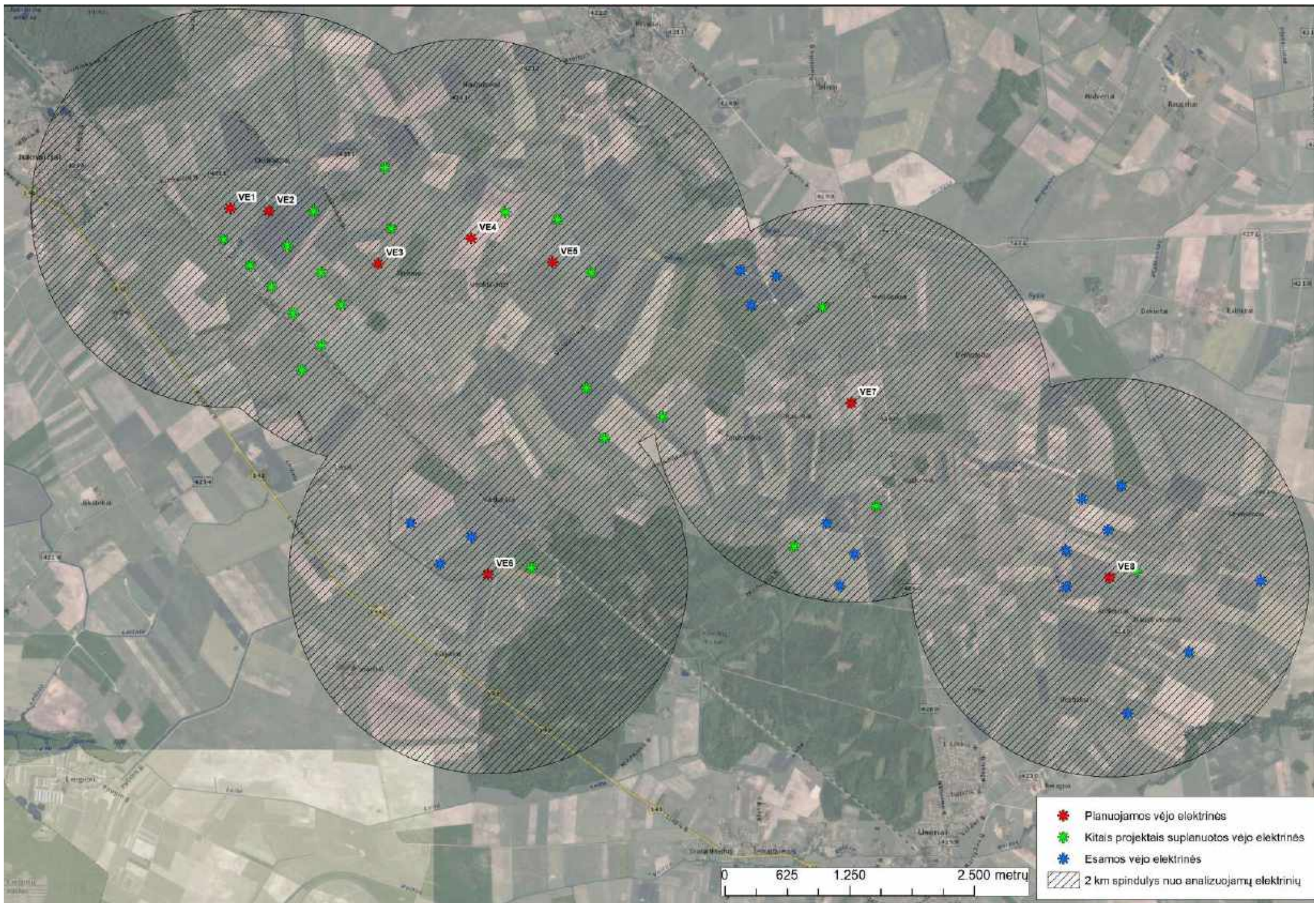
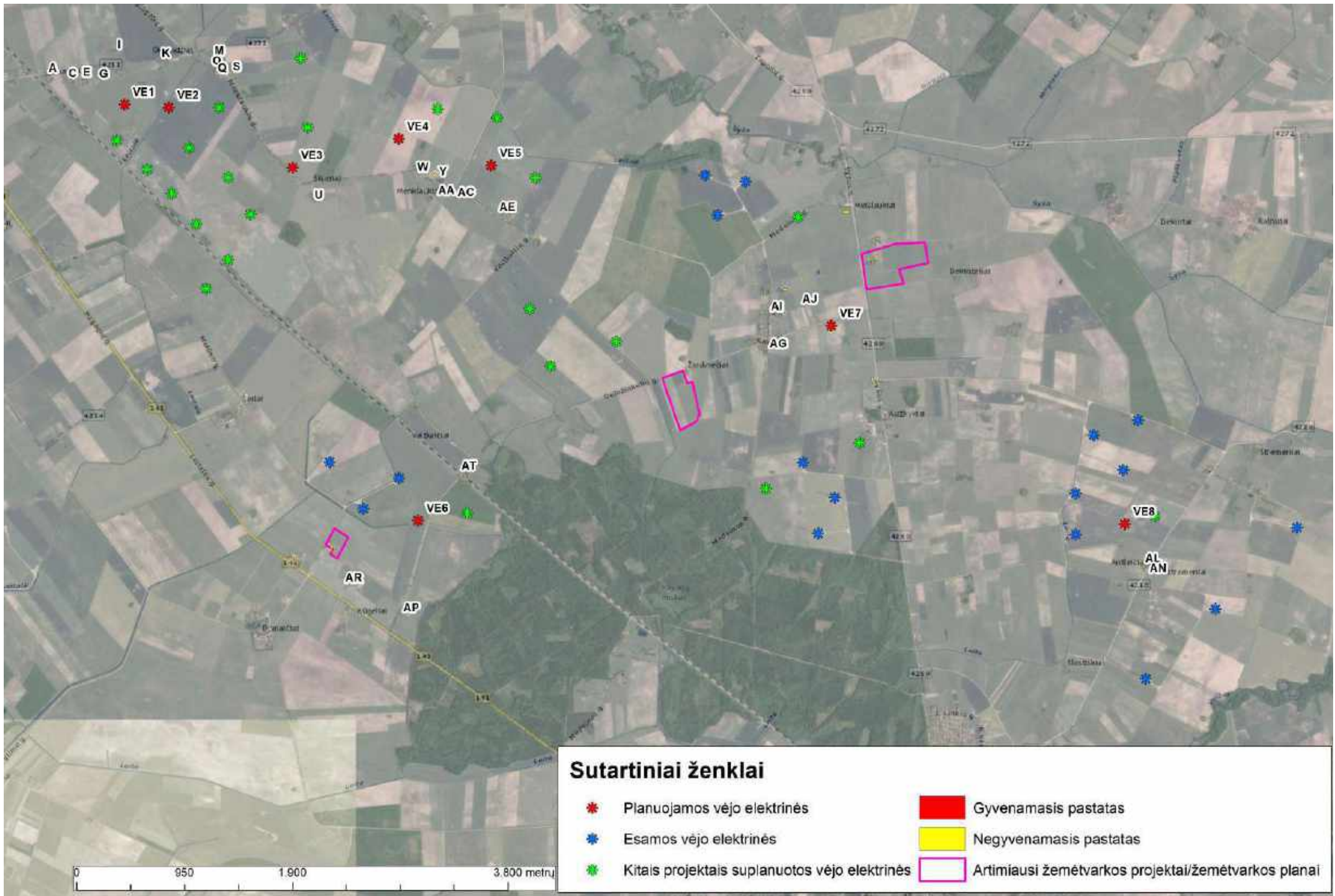


1 Priedas. Grafinė informacija

1.1 Priedēlis. Bendra situacija







Sutartiniai ženklai

* Planuojamos vėjo elektrinės

* Esamos vėjo elektrinės

* Kitais projektais suplanuotos vėjo elektrinės

* Taškas, kuriame buvo atlikti triukšmo lygio skaičiavimai, ties sklypo riba/saugotina aplinka

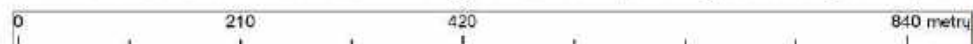
■ Gyvenamasis pastatas

■ Negyvenamasis pastatas

□ Sklypo riba










▨ 40 m gyvenamoji aplinka

□ Artimiausi žemėtvarkos projektai/žemėtvarkos planai



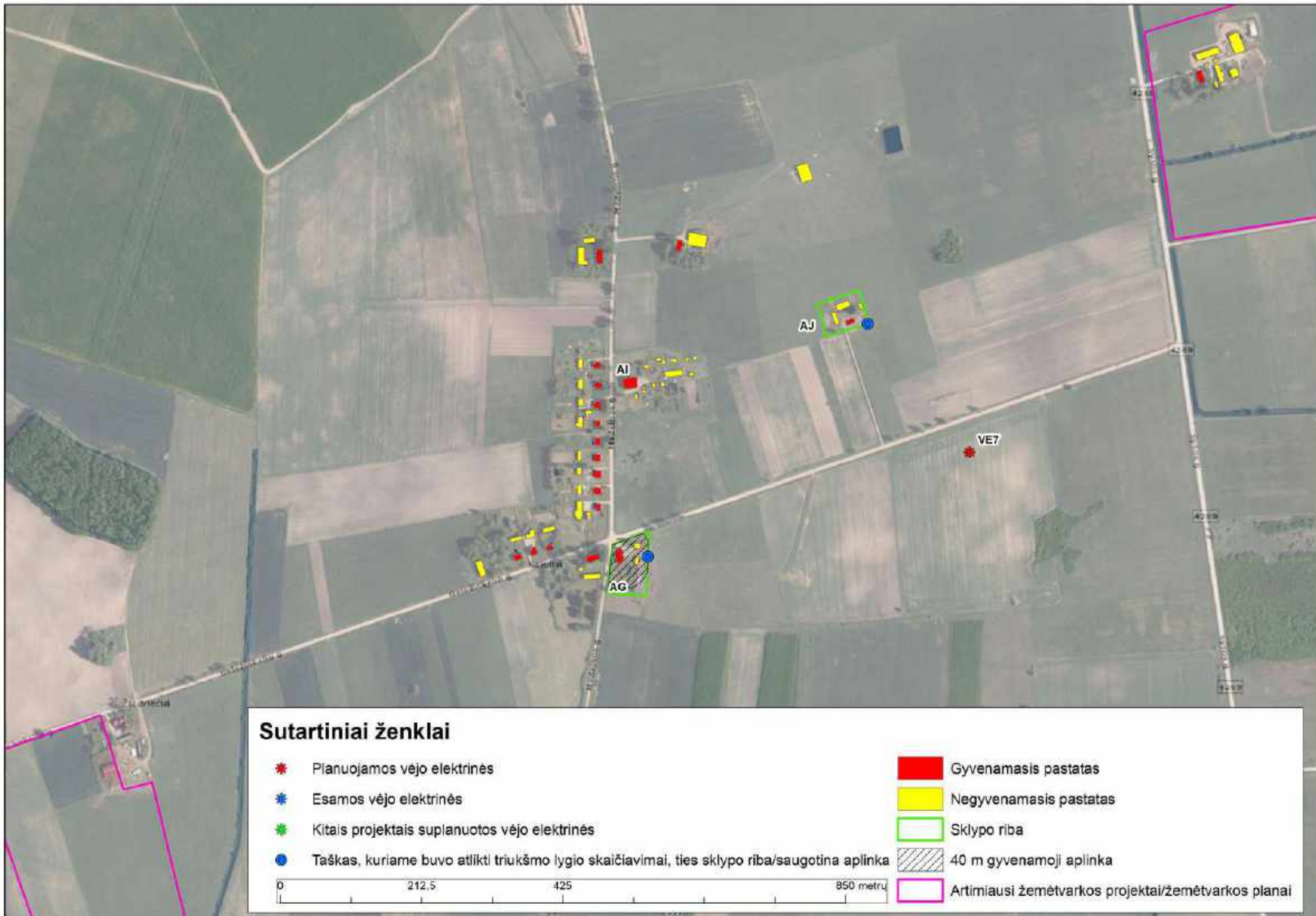


Sutartiniai ženklai

- | | | | |
|---|--|---|---|
|  | Planuojamos vėjo elektrinės |  | Gyvenamasis pastatas |
|  | Esamos vėjo elektrinės |  | Negyvenamasis pastatas |
|  | Kitais projektais suplanuotos vėjo elektrinės |  | Sklypo riba |
|  | Taškai, kuriame buvo atlikti triukšmo lygio skaičiavimai, ties sklypo riba/saugotina aplinka |  | 40 m gyvenamoji aplinka |
| | |  | Artimiausi žemėtvarkos projektai/žemėtvarkos planai |









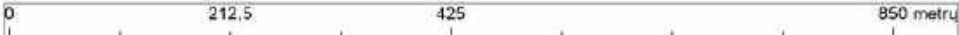

0 212,5 425 850 metrų







Sutartiniai ženklai

- | | | | |
|--|--|---|---|
|  | Planuojamos vėjo elektrinės |  | Gyvenamasis pastatas |
|  | Esamos vėjo elektrinės |  | Negyvenamasis pastatas |
|  | Kitais projektais suplanuotos vėjo elektrinės |  | Sklypo riba |
|  | Taškas, kuriame buvo atlikti triukšmo lygio skaičiavimai, ties sklypo riba/saugotina aplinka |  | 40 m gyvenamoji aplinka |
|  | |  | Artimiausi žemėtvarkos projektai/žemėtvarkos planai |



Sutartiniai ženklai

* Planuojamos vėjo elektrinės

* Esamos vėjo elektrinės

* Kitais projektais suplanuotos vėjo elektrinės

* Taškas, kuriame buvo atlikti triukšmo lygio skaičiavimai, ties sklypo riba/saugotina aplinka

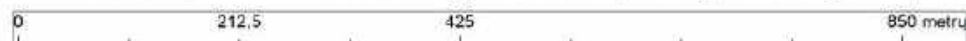
■ Gyvenamasis pastatas

■ Negyvenamasis pastatas

□ Sklypo riba

▨ 40 m gyvenamoji aplinka

□ Artimiausi žemėtvarkos projektai/žemėtvarkos planai



1.2 Priedėlis. Privažiavimo keliai









0 90 180 360 metru

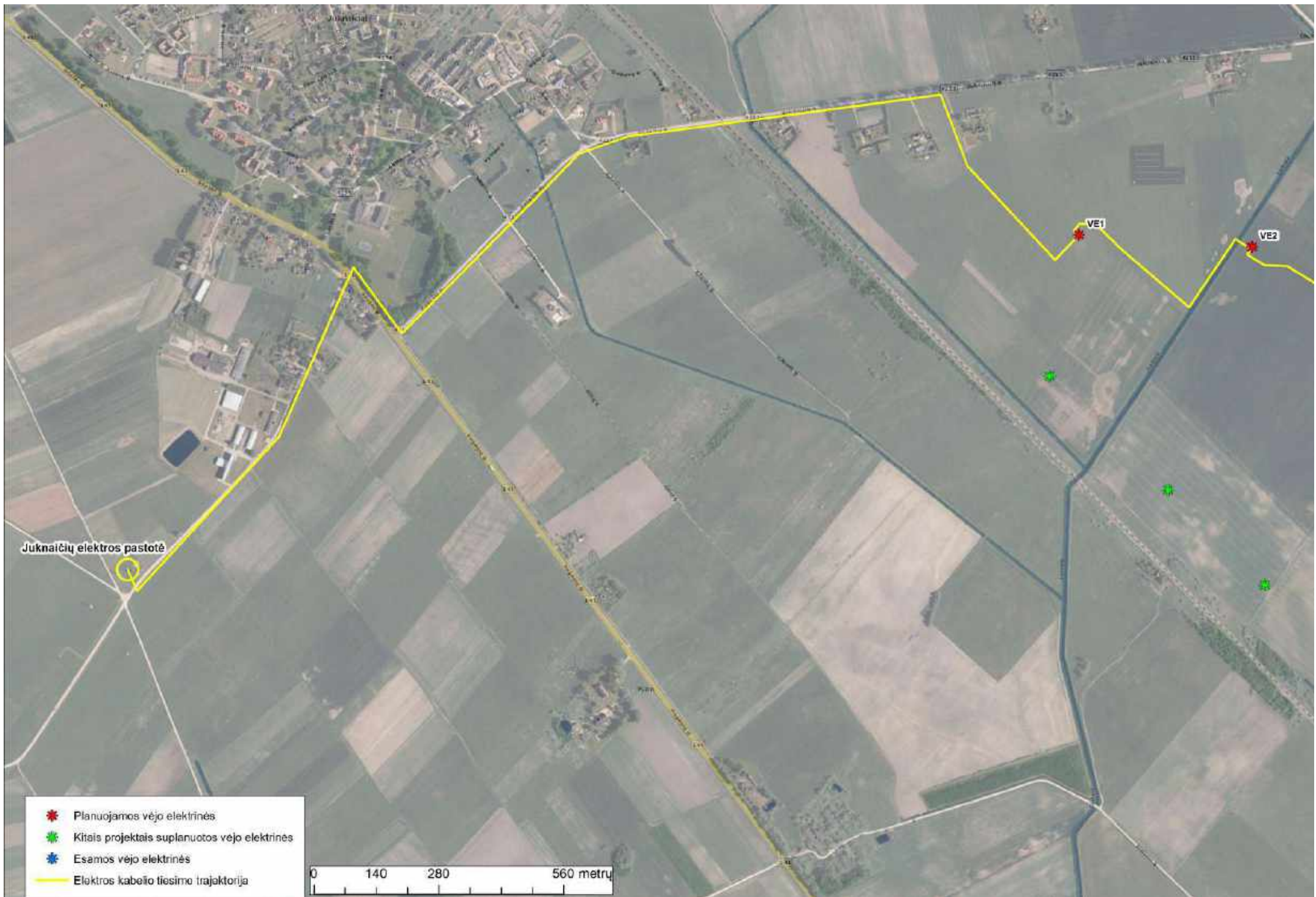
- * Planuojamos vėjo elektrinės
- Privažiavimo keliai

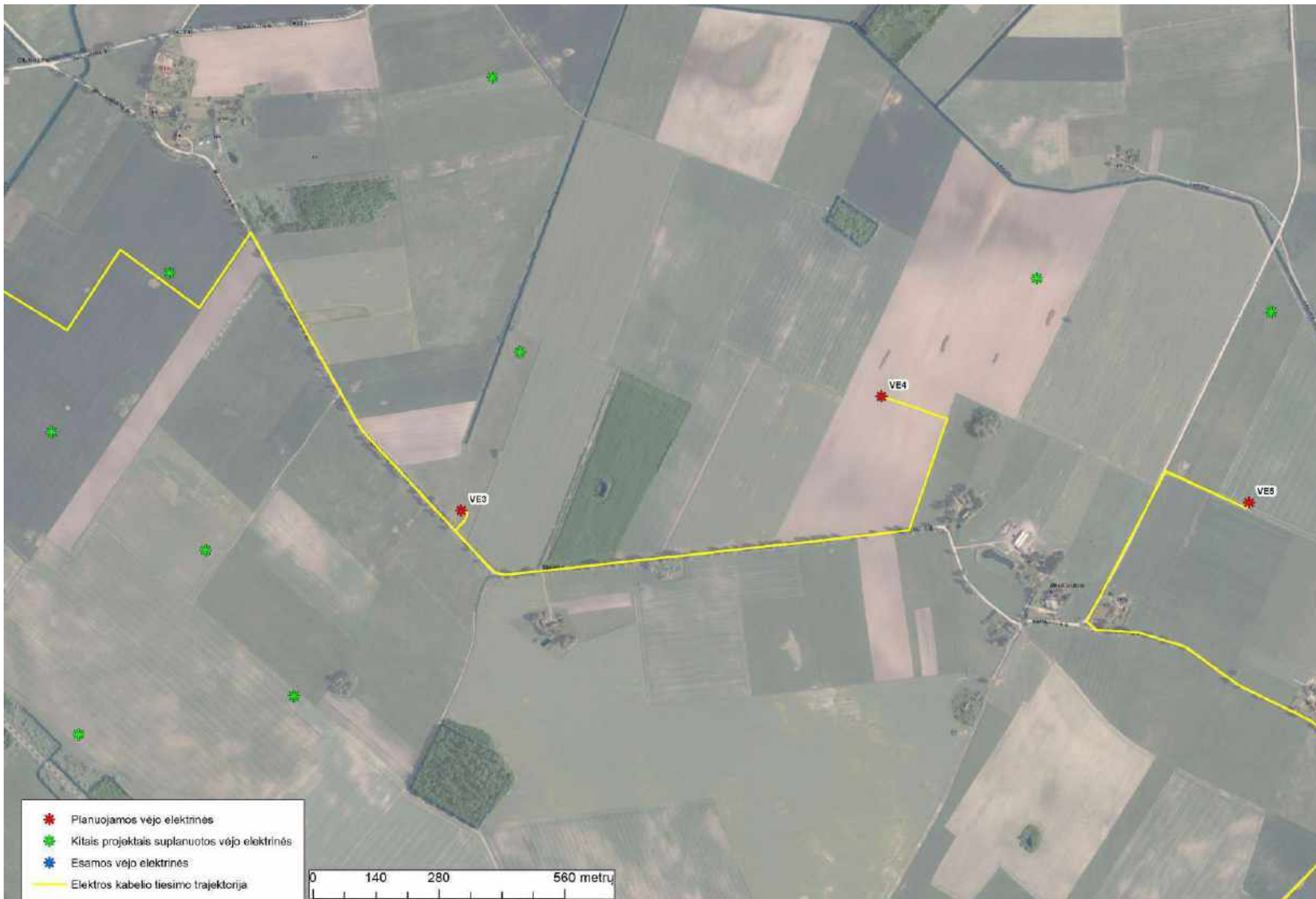
Sąjūdi Registrų orijų tarnyba prie 2013

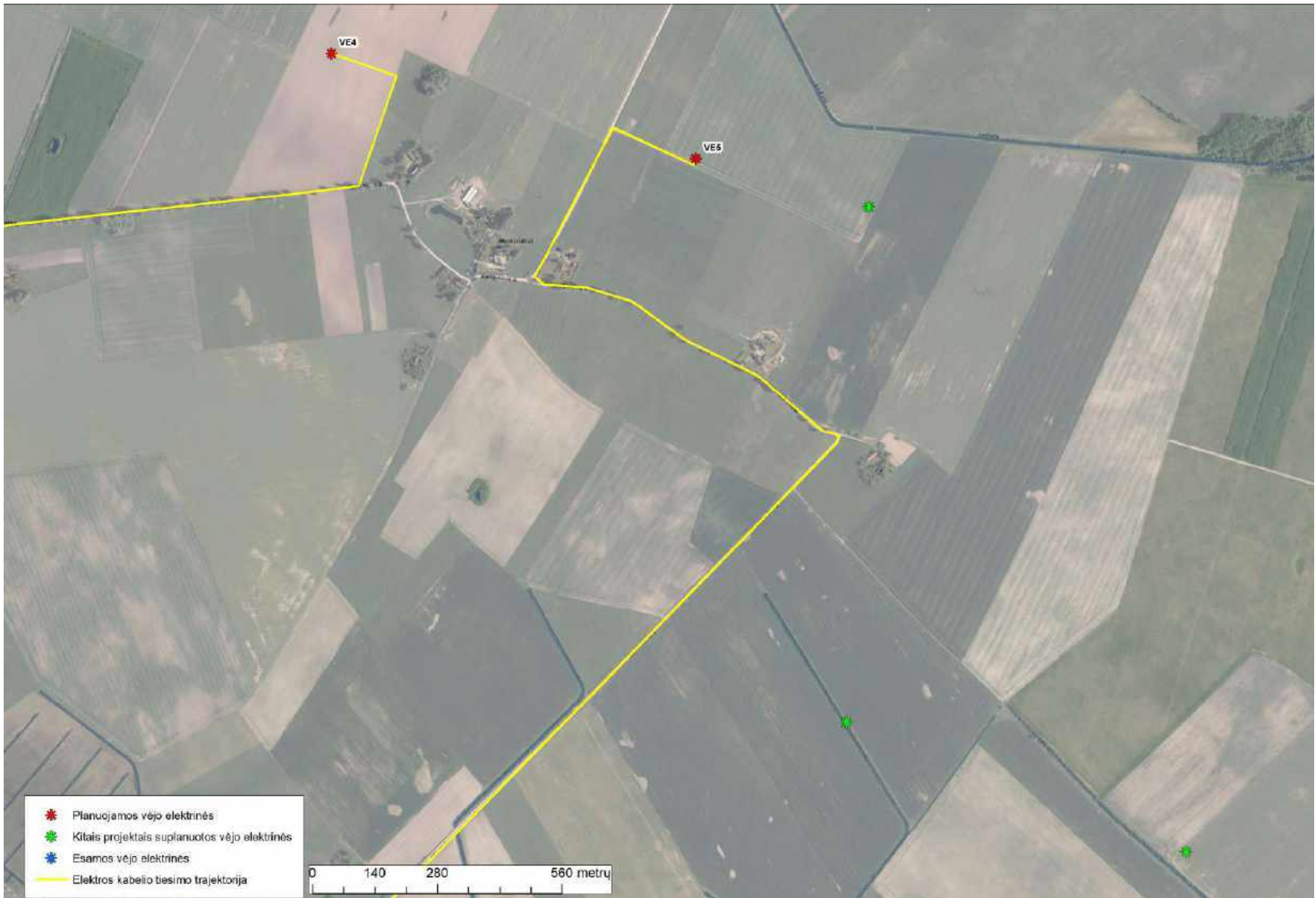


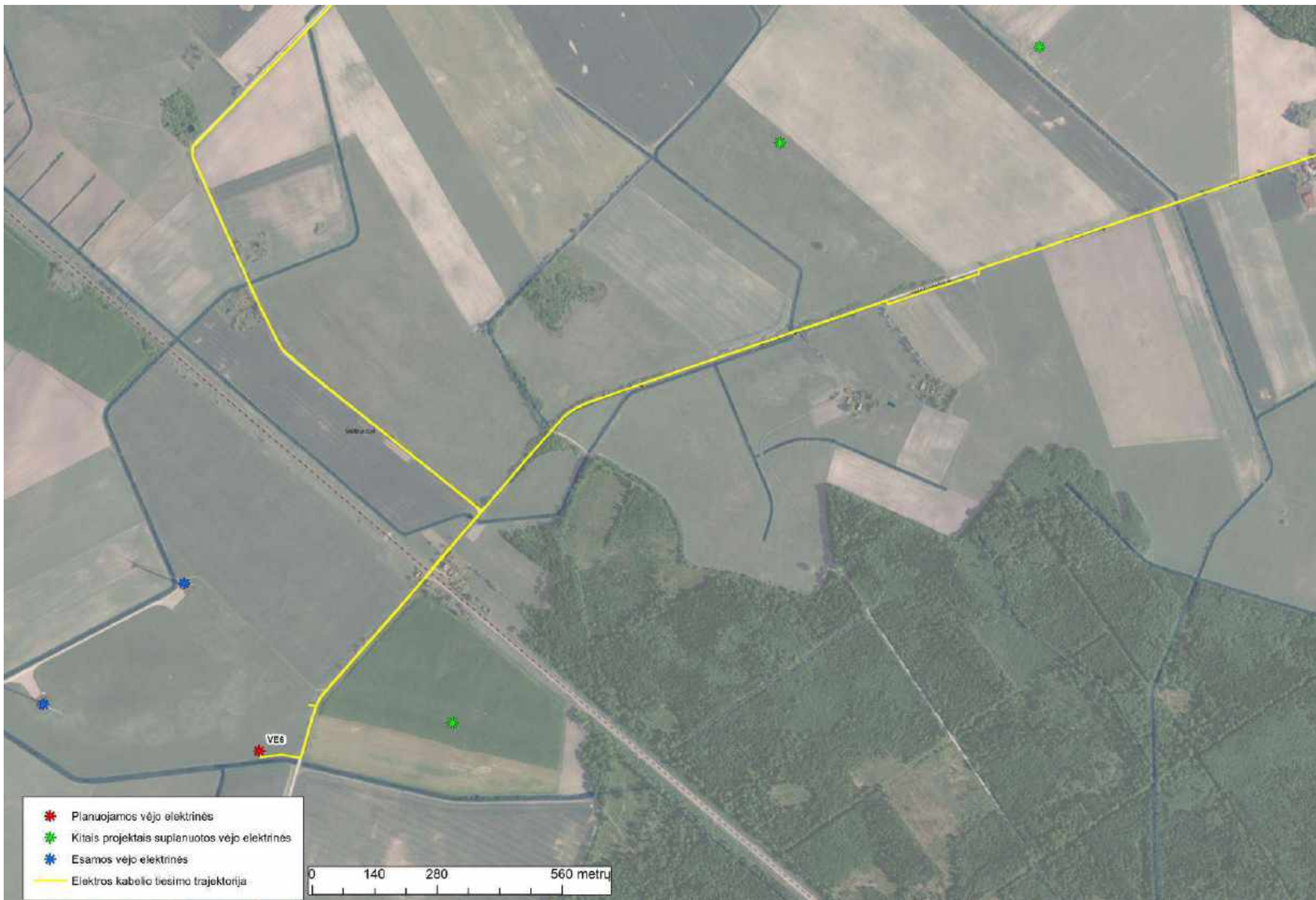


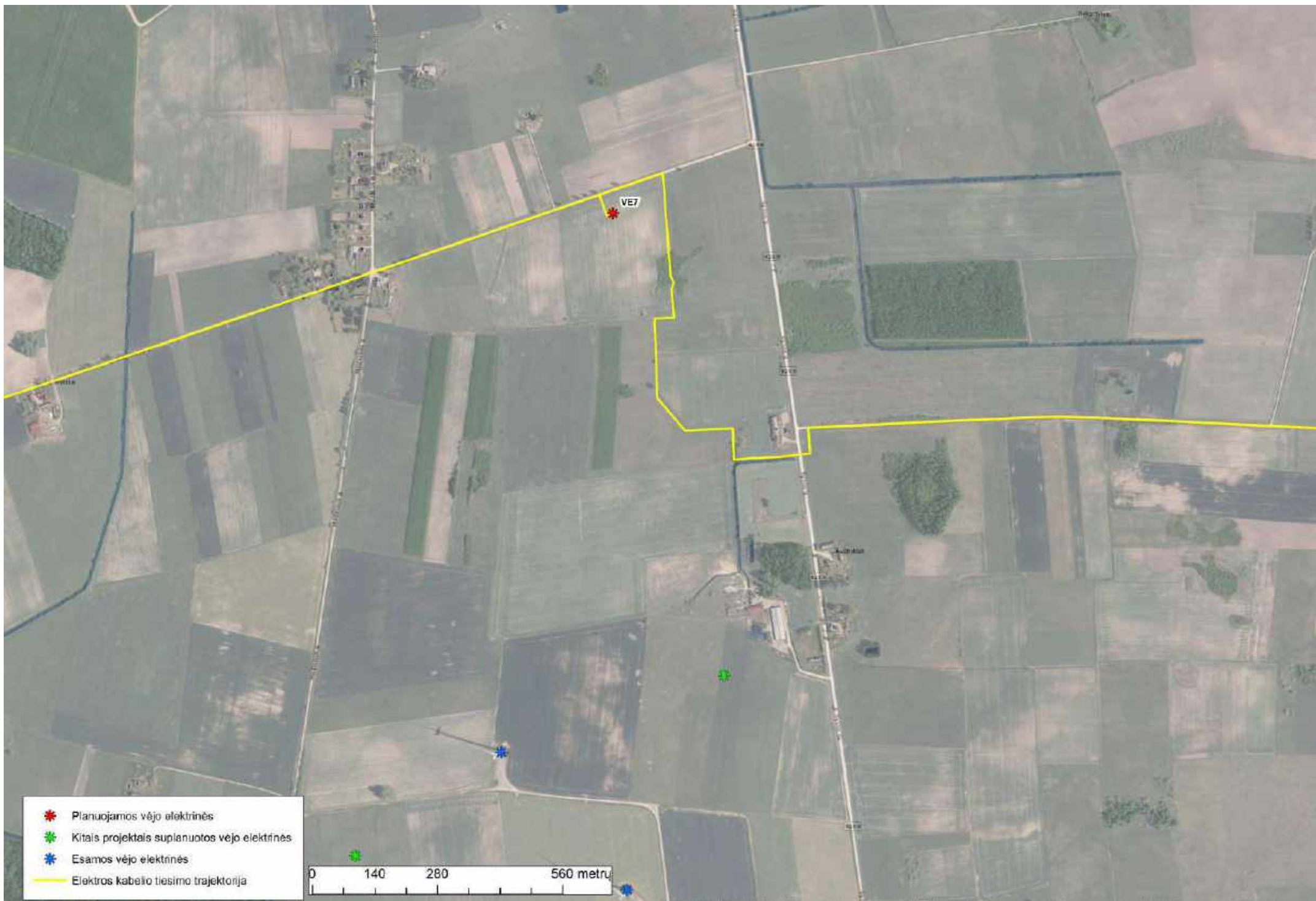
1.3 Priedėlis. Kabelio tiesimo trajektorija

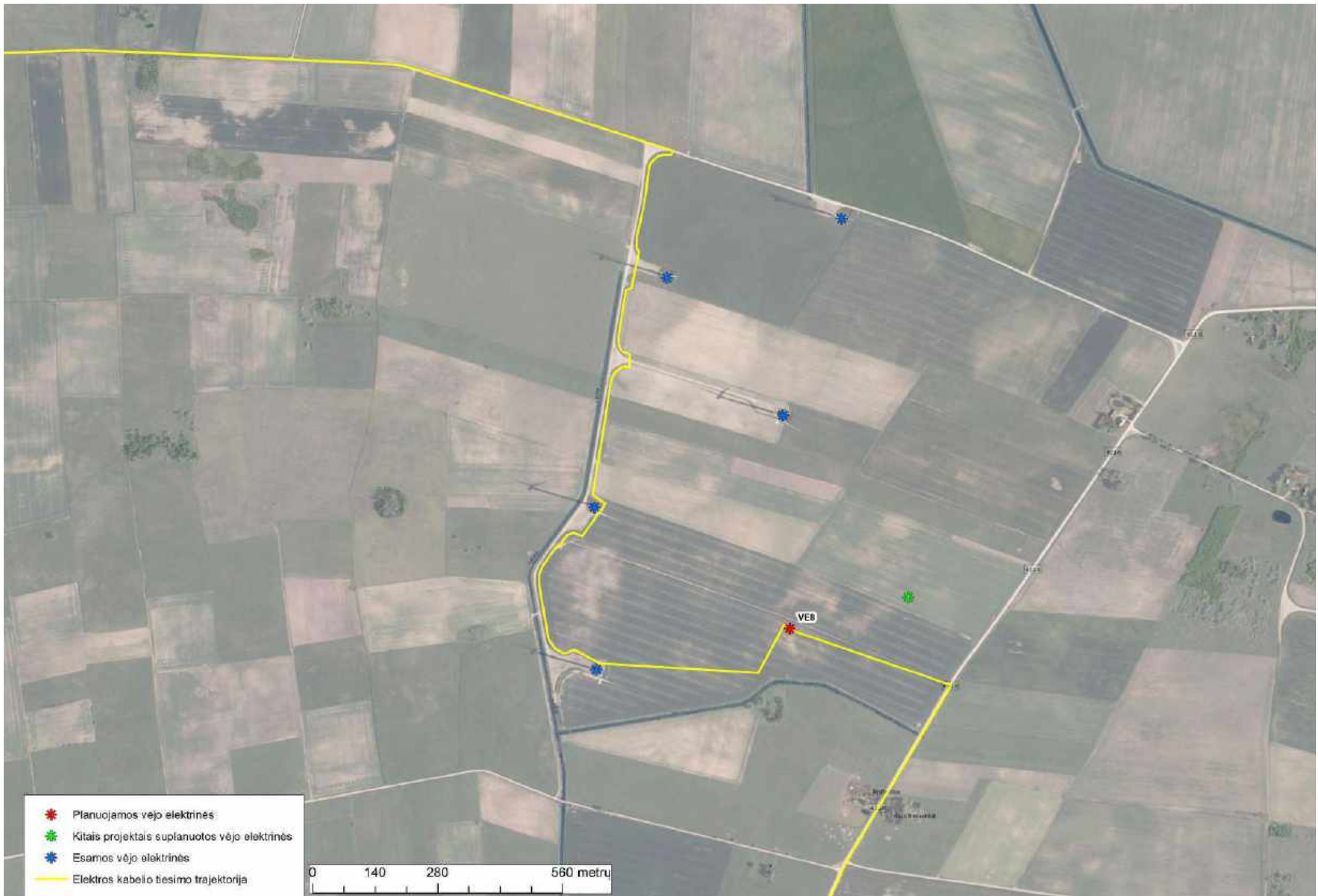


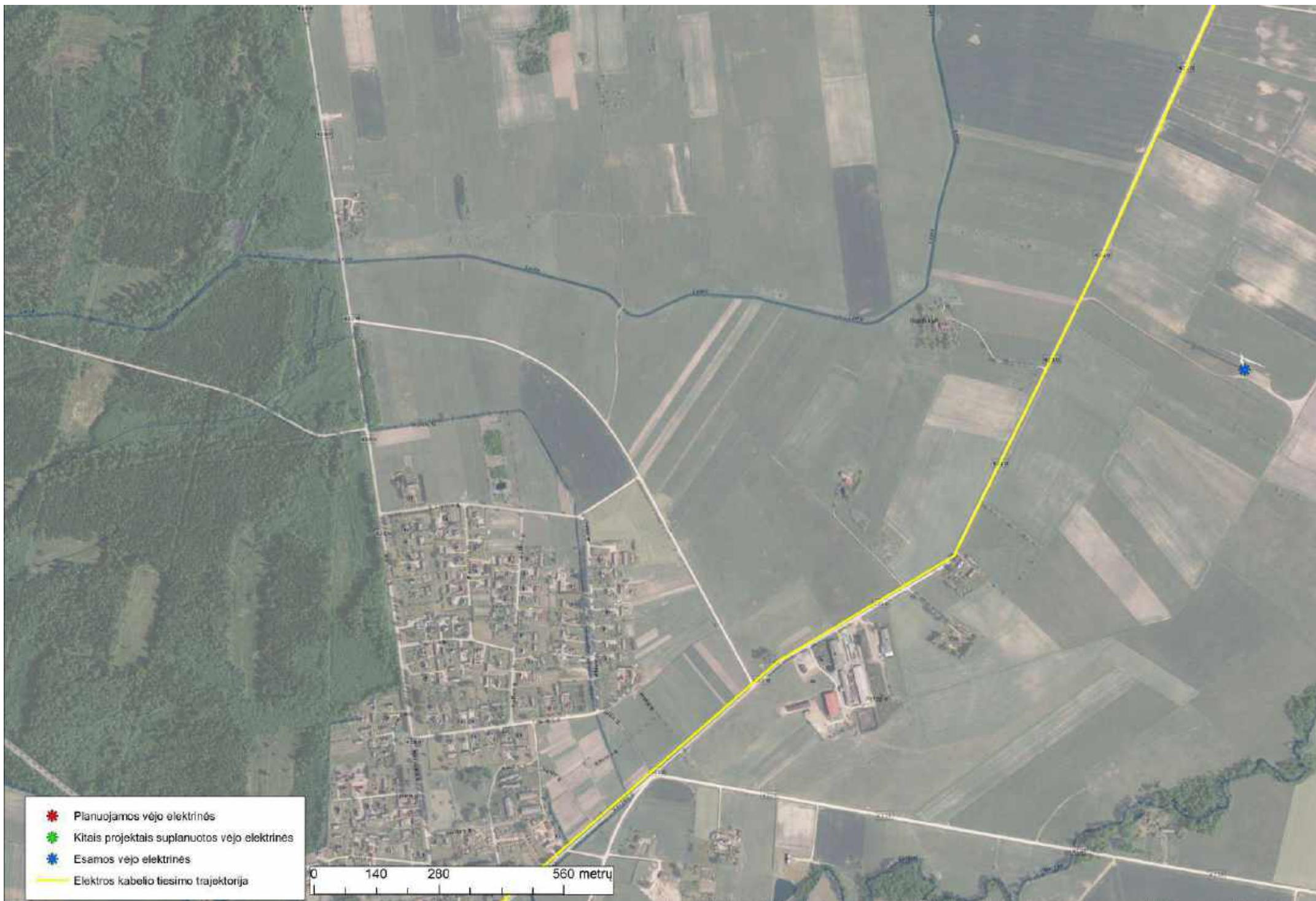












1.4 Priedēlis. Triukšmas

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

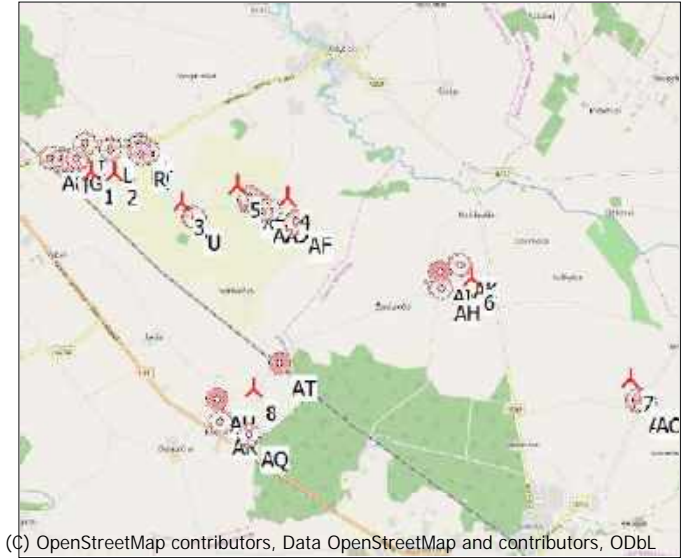
0,0 dB(A)

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs

Y	X	Z	Row data/Description	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	LwA,ref [dB(A)]
				Valid	Manufact.	Type-generator				Creator	Name		
1	347.959	6.130.426	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
2	348.347	6.130.399	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
3	349.441	6.129.870	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
4	351.193	6.129.888	14,5 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
5	350.375	6.130.124	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
6	354.189	6.128.475	20,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
7	356.778	6.126.724	19,1 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
8	350.546	6.126.757	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0



Calculation Results

Sound level

Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]	Distance to noise demand [m]	Demands fulfilled? Noise
A	Noise sensitive point: User defined (1)	347.290	6.130.678	10,0	1,5	45,0	34,4	489	Yes
B	Noise sensitive point: User defined (2)	347.334	6.130.657	10,0	1,5	45,0	35,2	440	Yes
C	Noise sensitive point: User defined (4)	347.483	6.130.653	10,7	1,5	45,0	37,6	303	Yes
D	Noise sensitive point: User defined (5)	347.505	6.130.613	10,4	1,5	45,0	38,3	266	Yes
E	Noise sensitive point: User defined (6)	347.592	6.130.646	10,8	1,5	45,0	39,6	202	Yes
F	Noise sensitive point: User defined (7)	347.637	6.130.618	10,6	1,5	45,0	40,8	149	Yes
G	Noise sensitive point: User defined (8)	347.734	6.130.663	11,0	1,5	45,0	42,1	98	Yes
H	Noise sensitive point: User defined (9)	347.757	6.130.635	10,8	1,5	45,0	43,1	63	Yes
I	Noise sensitive point: User defined (11)	347.883	6.130.901	13,1	1,5	45,0	39,1	243	Yes
J	Noise sensitive point: User defined (12)	347.866	6.130.871	12,8	1,5	45,0	39,6	219	Yes
K	Noise sensitive point: User defined (13)	348.287	6.130.811	10,0	1,5	45,0	41,2	161	Yes
L	Noise sensitive point: User defined (14)	348.284	6.130.768	10,0	1,5	45,0	42,2	118	Yes
M	Noise sensitive point: User defined (15)	348.782	6.130.851	10,0	1,5	45,0	36,6	396	Yes
N	Noise sensitive point: User defined (16)	348.759	6.130.812	10,0	1,5	45,0	37,3	352	Yes
O	Noise sensitive point: User defined (17)	348.756	6.130.753	10,0	1,5	45,0	37,9	310	Yes
P	Noise sensitive point: User defined (18)	348.753	6.130.737	10,0	1,5	45,0	38,2	298	Yes
Q	Noise sensitive point: User defined (19)	348.810	6.130.701	10,0	1,5	45,0	37,8	325	Yes
R	Noise sensitive point: User defined (20)	348.790	6.130.676	10,0	1,5	45,0	38,3	295	Yes
S	Noise sensitive point: User defined (21)	348.913	6.130.737	10,0	1,5	45,0	36,4	431	Yes
T	Noise sensitive point: User defined (22)	348.911	6.130.694	10,0	1,5	45,0	36,8	407	Yes
U	Noise sensitive point: User defined (23)	349.644	6.129.613	10,0	1,5	45,0	41,9	108	Yes
V	Noise sensitive point: User defined (24)	349.607	6.129.632	10,0	1,5	45,0	42,8	71	Yes

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2

...continued from previous page

No.	Name	Y	X	Z	Immission height	Demands Noise	Sound level From WTGs	Distance to noise demand	Demands fulfilled ? Noise
					[m]	[dB(A)]	[dB(A)]	[m]	
W	Noise sensitive point: User defined (25)	350.562	6.129.862	10,9	1,5	45,0	42,5	97	Yes
X	Noise sensitive point: User defined (26)	350.576	6.129.919	10,8	1,5	45,0	43,4	61	Yes
Y	Noise sensitive point: User defined (27)	350.707	6.129.756	12,0	1,5	45,0	40,3	269	Yes
Z	Noise sensitive point: User defined (28)	350.748	6.129.803	12,1	1,5	45,0	40,9	230	Yes
AA	Noise sensitive point: User defined (29)	350.753	6.129.689	12,4	1,5	45,0	39,8	259	Yes
AB	Noise sensitive point: User defined (30)	350.767	6.129.705	12,4	1,5	45,0	40,1	240	Yes
AC	Noise sensitive point: User defined (31)	350.909	6.129.675	13,3	1,5	45,0	41,4	135	Yes
AD	Noise sensitive point: User defined (32)	350.909	6.129.692	13,3	1,5	45,0	41,7	125	Yes
AE	Noise sensitive point: User defined (33)	351.332	6.129.441	16,3	1,5	45,0	38,3	251	Yes
AF	Noise sensitive point: User defined (34)	351.339	6.129.512	16,2	1,5	45,0	39,7	185	Yes
AG	Noise sensitive point: User defined (35)	353.662	6.128.322	20,0	1,5	45,0	36,2	338	Yes
AH	Noise sensitive point: User defined (36)	353.705	6.128.318	20,0	1,5	45,0	37,0	298	Yes
AI	Noise sensitive point: User defined (37)	353.678	6.128.582	20,0	1,5	45,0	36,7	308	Yes
AJ	Noise sensitive point: User defined (38)	353.996	6.128.697	20,0	1,5	45,0	42,4	83	Yes
AK	Noise sensitive point: User defined (39)	354.036	6.128.668	20,0	1,5	45,0	43,9	34	Yes
AL	Noise sensitive point: User defined (40)	356.862	6.126.349	19,7	1,5	45,0	39,8	172	Yes
AM	Noise sensitive point: User defined (41)	356.927	6.126.381	20,0	1,5	45,0	40,1	161	Yes
AN	Noise sensitive point: User defined (42)	356.986	6.126.313	20,0	1,5	45,0	38,0	249	Yes
AO	Noise sensitive point: User defined (43)	356.996	6.126.345	20,0	1,5	45,0	38,5	226	Yes
AP	Noise sensitive point: User defined (48)	350.424	6.125.973	10,0	1,5	45,0	32,0	580	Yes
AQ	Noise sensitive point: User defined (49)	350.424	6.126.015	10,0	1,5	45,0	32,6	539	Yes
AR	Noise sensitive point: User defined (50)	349.947	6.126.215	10,0	1,5	45,0	31,9	594	Yes
AS	Noise sensitive point: User defined (51)	349.979	6.126.256	10,0	1,5	45,0	32,6	543	Yes
AT	Noise sensitive point: User defined (52)	350.962	6.127.173	10,0	1,5	45,0	35,5	377	Yes
AU	Noise sensitive point: User defined (53)	349.928	6.126.609	10,0	1,5	45,0	34,6	423	Yes

Distances (m)

NSA	WTG							
	1	2	3	4	5	6	7	8
A	715	1093	2297	3980	3133	7239	10274	5094
B	666	1044	2248	3933	3086	7190	10225	5050
C	527	900	2108	3786	2939	7048	10087	4954
D	491	868	2073	3757	2910	7014	10051	4909
E	428	794	2004	3678	2830	6942	9984	4881
F	375	743	1952	3628	2781	6890	9931	4832
G	327	667	1881	3543	2694	6813	9860	4811
H	291	635	1849	3515	2666	6782	9828	4775
I	481	683	1868	3460	2609	6754	9823	4924
J	454	674	1865	3468	2617	6759	9825	4908
K	506	416	1488	3048	2197	6345	9419	4639
L	472	374	1464	3038	2187	6332	9403	4603
M	926	627	1181	2595	1750	5903	8994	4456
N	888	583	1162	2602	1756	5909	8997	4429
O	861	541	1117	2585	1736	5889	8973	4377
P	852	528	1106	2582	1733	5885	8968	4363
Q	894	552	1043	2517	1668	5819	8902	4308
R	867	522	1036	2528	1678	5828	8908	4292
S	1003	659	1015	2432	1584	5738	8826	4300
T	989	636	979	2419	1570	5723	8808	4261
U	1870	1516	327	1573	891	4683	7693	2994
V	1828	1474	290	1606	912	4724	7735	3023
W	2662	2278	1121	631	322	3881	6960	3104
X	2664	2279	1136	617	287	3889	6974	3161
Y	2827	2445	1271	503	495	3709	6783	3002
Z	2856	2473	1308	453	492	3687	6768	3051
AA	2888	2507	1324	483	576	3643	6712	2938
AB	2898	2516	1336	463	574	3635	6707	2955
AC	3043	2661	1480	355	697	3491	6566	2939
AD	3039	2657	1478	345	687	3497	6574	2956
AE	3512	3134	1938	468	1175	3015	6083	2795
AF	3500	3119	1931	403	1141	3031	6109	2866

To be continued on next page...

Project:

8 VE Āilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2

...continued from previous page

WTG

NSA	1	2	3	4	5	6	7	8
AG	6076	5704	4494	2922	3747	549	3500	3485
AH	6118	5745	4536	2961	3787	509	3460	3522
AI	6006	5630	4426	2806	3644	522	3613	3623
AJ	6277	5897	4702	3044	3890	294	3409	3956
AK	6323	5944	4747	3092	3938	246	3360	3977
AL	9788	9425	8210	6680	7502	3414	384	6326
AM	9834	9470	8255	6719	7542	3445	374	6389
AN	9915	9552	8338	6804	7627	3534	460	6452
AO	9911	9548	8333	6796	7620	3522	437	6460
AP	5087	4887	4017	3988	4149	4519	6395	793
AQ	5051	4849	3977	3947	4107	4495	6391	752
AR	4655	4477	3688	3877	3931	4804	6847	807
AS	4631	4451	3652	3828	3886	4757	6812	756
AT	4425	4151	3095	2724	3007	3478	5831	588
AU	4293	4105	3296	3513	3542	4650	6848	635

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2
Noise calculation model: ISO 9613-2 General 10,0 m/s
Assumptions

Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: User defined (1)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	715	726	33,08	106,0	0,00	68,22	-	-	0,00	0,00	-
2	1.093	1.100	27,95	106,0	0,00	71,83	-	-	0,00	0,00	-
3	2.297	2.300	18,36	106,0	0,00	78,24	-	-	0,00	0,00	-
4	3.980	3.983	11,10	106,0	0,00	83,00	-	-	0,00	0,00	-
5	3.133	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
6	7.239	7.240	4,47	106,0	0,00	88,20	-	-	0,00	0,00	-
7	10.274	10.275	0,82	106,0	0,00	91,24	-	-	0,00	0,00	-
8	5.094	5.096	8,28	106,0	0,00	85,14	-	-	0,00	0,00	-
Sum			34,43								

- Data undefined due to calculation with octave data

Noise sensitive area: B Noise sensitive point: User defined (2)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	666	678	33,90	106,0	0,00	67,62	-	-	0,00	0,00	-
2	1.044	1.052	28,51	106,0	0,00	71,44	-	-	0,00	0,00	-
3	2.248	2.251	18,65	106,0	0,00	78,05	-	-	0,00	0,00	-
4	3.933	3.935	11,25	106,0	0,00	82,90	-	-	0,00	0,00	-
5	3.086	3.088	14,45	106,0	0,00	80,79	-	-	0,00	0,00	-
6	7.190	7.192	4,54	106,0	0,00	88,14	-	-	0,00	0,00	-
7	10.225	10.226	0,87	106,0	0,00	91,19	-	-	0,00	0,00	-
8	5.050	5.051	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
Sum			35,17								

- Data undefined due to calculation with octave data

Noise sensitive area: C Noise sensitive point: User defined (4)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	527	542	36,51	106,0	0,00	65,69	-	-	0,00	0,00	-
2	900	909	30,33	106,0	0,00	70,17	-	-	0,00	0,00	-
3	2.108	2.112	19,50	106,0	0,00	77,49	-	-	0,00	0,00	-
4	3.786	3.789	11,74	106,0	0,00	82,57	-	-	0,00	0,00	-
5	2.939	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
6	7.048	7.049	4,75	106,0	0,00	87,96	-	-	0,00	0,00	-
7	10.087	10.088	1,01	106,0	0,00	91,08	-	-	0,00	0,00	-
8	4.954	4.955	8,59	106,0	0,00	84,90	-	-	0,00	0,00	-
Sum			37,57								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: D Noise sensitive point: User defined (5)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	491	507	37,28	106,0	0,00	65,11	-	-	0,00	0,00	-
2	868	878	30,77	106,0	0,00	69,87	-	-	0,00	0,00	-
3	2.073	2.077	19,72	106,0	0,00	77,35	-	-	0,00	0,00	-
4	3.757	3.759	11,85	106,0	0,00	82,50	-	-	0,00	0,00	-
5	2.910	2.913	15,23	106,0	0,00	80,29	-	-	0,00	0,00	-
6	7.014	7.016	4,80	106,0	0,00	87,92	-	-	0,00	0,00	-
7	10.051	10.052	1,05	106,0	0,00	91,05	-	-	0,00	0,00	-
8	4.909	4.910	8,70	106,0	0,00	84,82	-	-	0,00	0,00	-
Sum			38,26								

- Data undefined due to calculation with octave data

Noise sensitive area: E Noise sensitive point: User defined (6)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	428	446	38,73	106,0	0,00	64,00	-	-	0,00	0,00	-
2	794	804	31,84	106,0	0,00	69,11	-	-	0,00	0,00	-
3	2.004	2.008	20,16	106,0	0,00	77,06	-	-	0,00	0,00	-
4	3.678	3.681	12,13	106,0	0,00	82,32	-	-	0,00	0,00	-
5	2.830	2.833	15,60	106,0	0,00	80,05	-	-	0,00	0,00	-
6	6.942	6.943	4,91	106,0	0,00	87,83	-	-	0,00	0,00	-
7	9.984	9.985	1,12	106,0	0,00	90,99	-	-	0,00	0,00	-
8	4.881	4.883	8,76	106,0	0,00	84,77	-	-	0,00	0,00	-
Sum			39,62								

- Data undefined due to calculation with octave data

Noise sensitive area: F Noise sensitive point: User defined (7)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	375	396	40,05	106,0	0,00	62,96	-	-	0,00	0,00	-
2	743	754	32,63	106,0	0,00	68,54	-	-	0,00	0,00	-
3	1.952	1.956	20,51	106,0	0,00	76,83	-	-	0,00	0,00	-
4	3.628	3.631	12,30	106,0	0,00	82,20	-	-	0,00	0,00	-
5	2.781	2.784	15,83	106,0	0,00	79,89	-	-	0,00	0,00	-
6	6.890	6.892	4,99	106,0	0,00	87,77	-	-	0,00	0,00	-
7	9.931	9.932	1,17	106,0	0,00	90,94	-	-	0,00	0,00	-
8	4.832	4.834	8,87	106,0	0,00	84,69	-	-	0,00	0,00	-
Sum			40,84								

- Data undefined due to calculation with octave data

Noise sensitive area: G Noise sensitive point: User defined (8)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	327	351	41,38	106,0	0,00	61,90	-	-	0,00	0,00	-
2	667	679	33,88	106,0	0,00	67,64	-	-	0,00	0,00	-
3	1.881	1.886	20,99	106,0	0,00	76,51	-	-	0,00	0,00	-
4	3.543	3.546	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
5	2.694	2.697	16,25	106,0	0,00	79,62	-	-	0,00	0,00	-
6	6.813	6.814	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
7	9.860	9.861	1,25	106,0	0,00	90,88	-	-	0,00	0,00	-
8	4.811	4.812	8,92	106,0	0,00	84,65	-	-	0,00	0,00	-
Sum			42,14								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: H Noise sensitive point: User defined (9)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	291	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
2	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
3	1.849	1.853	21,22	106,0	0,00	76,36	-	-	0,00	0,00	-
4	3.515	3.517	12,72	106,0	0,00	81,92	-	-	0,00	0,00	-
5	2.666	2.669	16,39	106,0	0,00	79,53	-	-	0,00	0,00	-
6	6.782	6.783	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
7	9.828	9.829	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.775	4.776	9,01	106,0	0,00	84,58	-	-	0,00	0,00	-
Sum			43,13								

- Data undefined due to calculation with octave data

Noise sensitive area: I Noise sensitive point: User defined (11)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	481	497	37,52	106,0	0,00	64,93	-	-	0,00	0,00	-
2	683	695	33,61	106,0	0,00	67,84	-	-	0,00	0,00	-
3	1.868	1.872	21,09	106,0	0,00	76,44	-	-	0,00	0,00	-
4	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
5	2.609	2.612	16,67	106,0	0,00	79,34	-	-	0,00	0,00	-
6	6.754	6.755	5,21	106,0	0,00	87,59	-	-	0,00	0,00	-
7	9.823	9.824	1,29	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.924	4.925	8,66	106,0	0,00	84,85	-	-	0,00	0,00	-
Sum			39,11								

- Data undefined due to calculation with octave data

Noise sensitive area: J Noise sensitive point: User defined (12)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	454	472	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
2	674	685	33,77	106,0	0,00	67,72	-	-	0,00	0,00	-
3	1.865	1.870	21,10	106,0	0,00	76,43	-	-	0,00	0,00	-
4	3.468	3.470	12,90	106,0	0,00	81,81	-	-	0,00	0,00	-
5	2.617	2.620	16,64	106,0	0,00	79,36	-	-	0,00	0,00	-
6	6.759	6.760	5,20	106,0	0,00	87,60	-	-	0,00	0,00	-
7	9.825	9.826	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.908	4.909	8,70	106,0	0,00	84,82	-	-	0,00	0,00	-
Sum			39,57								

- Data undefined due to calculation with octave data

Noise sensitive area: K Noise sensitive point: User defined (13)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	506	522	36,96	106,0	0,00	65,35	-	-	0,00	0,00	-
2	416	436	39,00	106,0	0,00	63,78	-	-	0,00	0,00	-
3	1.488	1.494	24,03	106,0	0,00	74,49	-	-	0,00	0,00	-
4	3.048	3.051	14,61	106,0	0,00	80,69	-	-	0,00	0,00	-
5	2.197	2.201	18,95	106,0	0,00	77,85	-	-	0,00	0,00	-
6	6.345	6.346	5,87	106,0	0,00	87,05	-	-	0,00	0,00	-
7	9.419	9.420	1,72	106,0	0,00	90,48	-	-	0,00	0,00	-
8	4.639	4.641	9,34	106,0	0,00	84,33	-	-	0,00	0,00	-
Sum			41,23								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: L Noise sensitive point: User defined (14)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	472	489	37,70	106,0	0,00	64,78	-	-	0,00	0,00	-
2	374	396	40,06	106,0	0,00	62,95	-	-	0,00	0,00	-
3	1.464	1.470	24,24	106,0	0,00	74,34	-	-	0,00	0,00	-
4	3.038	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
5	2.187	2.191	19,01	106,0	0,00	77,81	-	-	0,00	0,00	-
6	6.332	6.333	5,90	106,0	0,00	87,03	-	-	0,00	0,00	-
7	9.403	9.404	1,74	106,0	0,00	90,47	-	-	0,00	0,00	-
8	4.603	4.605	9,42	106,0	0,00	84,26	-	-	0,00	0,00	-
Sum			42,16								

- Data undefined due to calculation with octave data

Noise sensitive area: M Noise sensitive point: User defined (15)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	926	935	29,99	106,0	0,00	70,41	-	-	0,00	0,00	-
2	627	640	34,58	106,0	0,00	67,12	-	-	0,00	0,00	-
3	1.181	1.188	26,97	106,0	0,00	72,50	-	-	0,00	0,00	-
4	2.595	2.598	16,75	106,0	0,00	79,29	-	-	0,00	0,00	-
5	1.750	1.755	21,93	106,0	0,00	75,89	-	-	0,00	0,00	-
6	5.903	5.905	6,65	106,0	0,00	86,42	-	-	0,00	0,00	-
7	8.994	8.995	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	4.456	4.458	9,79	106,0	0,00	83,98	-	-	0,00	0,00	-
Sum			36,62								

- Data undefined due to calculation with octave data

Noise sensitive area: N Noise sensitive point: User defined (16)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	888	897	30,50	106,0	0,00	70,06	-	-	0,00	0,00	-
2	583	597	35,40	106,0	0,00	66,52	-	-	0,00	0,00	-
3	1.162	1.170	27,17	106,0	0,00	72,36	-	-	0,00	0,00	-
4	2.602	2.606	16,71	106,0	0,00	79,32	-	-	0,00	0,00	-
5	1.756	1.760	21,89	106,0	0,00	75,91	-	-	0,00	0,00	-
6	5.909	5.911	6,64	106,0	0,00	86,43	-	-	0,00	0,00	-
7	8.997	8.998	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	4.429	4.431	9,86	106,0	0,00	83,93	-	-	0,00	0,00	-
Sum			37,27								

- Data undefined due to calculation with octave data

Noise sensitive area: O Noise sensitive point: User defined (17)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	861	871	30,87	106,0	0,00	69,80	-	-	0,00	0,00	-
2	541	556	36,23	106,0	0,00	65,90	-	-	0,00	0,00	-
3	1.117	1.124	27,67	106,0	0,00	72,02	-	-	0,00	0,00	-
4	2.585	2.588	16,80	106,0	0,00	79,26	-	-	0,00	0,00	-
5	1.736	1.741	22,04	106,0	0,00	75,82	-	-	0,00	0,00	-
6	5.889	5.890	6,68	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.973	8.974	2,22	106,0	0,00	90,06	-	-	0,00	0,00	-
8	4.377	4.378	10,00	106,0	0,00	83,83	-	-	0,00	0,00	-
Sum			37,95								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: P Noise sensitive point: User defined (18)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	852	862	30,99	106,0	0,00	69,71	-	-	0,00	0,00	-
2	528	544	36,49	106,0	0,00	65,70	-	-	0,00	0,00	-
3	1.106	1.114	27,79	106,0	0,00	71,94	-	-	0,00	0,00	-
4	2.582	2.586	16,81	106,0	0,00	79,25	-	-	0,00	0,00	-
5	1.733	1.738	22,06	106,0	0,00	75,80	-	-	0,00	0,00	-
6	5.885	5.887	6,69	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.968	8.970	2,23	106,0	0,00	90,06	-	-	0,00	0,00	-
8	4.363	4.365	10,04	106,0	0,00	83,80	-	-	0,00	0,00	-
Sum			38,16								

- Data undefined due to calculation with octave data

Noise sensitive area: Q Noise sensitive point: User defined (19)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	894	903	30,42	106,0	0,00	70,11	-	-	0,00	0,00	-
2	552	567	36,00	106,0	0,00	66,08	-	-	0,00	0,00	-
3	1.043	1.051	28,52	106,0	0,00	71,43	-	-	0,00	0,00	-
4	2.517	2.521	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
5	1.668	1.673	22,56	106,0	0,00	75,47	-	-	0,00	0,00	-
6	5.819	5.821	6,81	106,0	0,00	86,30	-	-	0,00	0,00	-
7	8.902	8.903	2,31	106,0	0,00	89,99	-	-	0,00	0,00	-
8	4.308	4.310	10,18	106,0	0,00	83,69	-	-	0,00	0,00	-
Sum			37,81								

- Data undefined due to calculation with octave data

Noise sensitive area: R Noise sensitive point: User defined (20)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	867	877	30,78	106,0	0,00	69,86	-	-	0,00	0,00	-
2	522	538	36,61	106,0	0,00	65,61	-	-	0,00	0,00	-
3	1.036	1.044	28,61	106,0	0,00	71,37	-	-	0,00	0,00	-
4	2.528	2.531	17,09	106,0	0,00	79,07	-	-	0,00	0,00	-
5	1.678	1.683	22,48	106,0	0,00	75,52	-	-	0,00	0,00	-
6	5.828	5.829	6,79	106,0	0,00	86,31	-	-	0,00	0,00	-
7	8.908	8.909	2,30	106,0	0,00	90,00	-	-	0,00	0,00	-
8	4.292	4.294	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
Sum			38,30								

- Data undefined due to calculation with octave data

Noise sensitive area: S Noise sensitive point: User defined (21)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.003	1.011	29,01	106,0	0,00	71,10	-	-	0,00	0,00	-
2	659	672	34,01	106,0	0,00	67,54	-	-	0,00	0,00	-
3	1.015	1.023	28,87	106,0	0,00	71,20	-	-	0,00	0,00	-
4	2.432	2.435	17,61	106,0	0,00	78,73	-	-	0,00	0,00	-
5	1.584	1.590	23,22	106,0	0,00	75,03	-	-	0,00	0,00	-
6	5.738	5.739	6,96	106,0	0,00	86,18	-	-	0,00	0,00	-
7	8.826	8.827	2,40	106,0	0,00	89,92	-	-	0,00	0,00	-
8	4.300	4.302	10,20	106,0	0,00	83,67	-	-	0,00	0,00	-
Sum			36,41								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: T Noise sensitive point: User defined (22)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	989	997	29,19	106,0	0,00	70,97	-	-	0,00	0,00	-
2	636	649	34,42	106,0	0,00	67,25	-	-	0,00	0,00	-
3	979	988	29,30	106,0	0,00	70,89	-	-	0,00	0,00	-
4	2.419	2.423	17,68	106,0	0,00	78,69	-	-	0,00	0,00	-
5	1.570	1.576	23,34	106,0	0,00	74,95	-	-	0,00	0,00	-
6	5.723	5.725	6,99	106,0	0,00	86,15	-	-	0,00	0,00	-
7	8.808	8.809	2,42	106,0	0,00	89,90	-	-	0,00	0,00	-
8	4.261	4.263	10,31	106,0	0,00	83,59	-	-	0,00	0,00	-
Sum			36,76								

- Data undefined due to calculation with octave data

Noise sensitive area: U Noise sensitive point: User defined (23)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.870	1.874	21,07	106,0	0,00	76,46	-	-	0,00	0,00	-
2	1.516	1.521	23,79	106,0	0,00	74,64	-	-	0,00	0,00	-
3	327	352	41,35	106,0	0,00	61,93	-	-	0,00	0,00	-
4	1.573	1.578	23,32	106,0	0,00	74,96	-	-	0,00	0,00	-
5	891	901	30,45	106,0	0,00	70,09	-	-	0,00	0,00	-
6	4.683	4.685	9,23	106,0	0,00	84,41	-	-	0,00	0,00	-
7	7.693	7.695	3,83	106,0	0,00	88,72	-	-	0,00	0,00	-
8	2.994	2.996	14,85	106,0	0,00	80,53	-	-	0,00	0,00	-
Sum			41,87								

- Data undefined due to calculation with octave data

Noise sensitive area: V Noise sensitive point: User defined (24)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.828	1.833	21,36	106,0	0,00	76,26	-	-	0,00	0,00	-
2	1.474	1.480	24,15	106,0	0,00	74,41	-	-	0,00	0,00	-
3	290	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
4	1.606	1.611	23,05	106,0	0,00	75,14	-	-	0,00	0,00	-
5	912	921	30,18	106,0	0,00	70,28	-	-	0,00	0,00	-
6	4.724	4.726	9,13	106,0	0,00	84,49	-	-	0,00	0,00	-
7	7.735	7.736	3,77	106,0	0,00	88,77	-	-	0,00	0,00	-
8	3.023	3.026	14,72	106,0	0,00	80,62	-	-	0,00	0,00	-
Sum			42,85								

- Data undefined due to calculation with octave data

Noise sensitive area: W Noise sensitive point: User defined (25)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.662	2.665	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
2	2.278	2.282	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
3	1.121	1.128	27,63	106,0	0,00	72,04	-	-	0,00	0,00	-
4	631	645	34,49	106,0	0,00	67,19	-	-	0,00	0,00	-
5	322	346	41,52	106,0	0,00	61,79	-	-	0,00	0,00	-
6	3.881	3.884	11,42	106,0	0,00	82,79	-	-	0,00	0,00	-
7	6.960	6.961	4,88	106,0	0,00	87,85	-	-	0,00	0,00	-
8	3.104	3.106	14,37	106,0	0,00	80,84	-	-	0,00	0,00	-
Sum			42,49								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: X Noise sensitive point: User defined (26)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.664	2.668	16,40	106,0	0,00	79,52	-	-	0,00	0,00	-
2	2.279	2.283	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
3	1.136	1.143	27,47	106,0	0,00	72,16	-	-	0,00	0,00	-
4	617	632	34,74	106,0	0,00	67,01	-	-	0,00	0,00	-
5	287	314	42,56	106,0	0,00	60,94	-	-	0,00	0,00	-
6	3.889	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
7	6.974	6.975	4,86	106,0	0,00	87,87	-	-	0,00	0,00	-
8	3.161	3.163	14,13	106,0	0,00	81,00	-	-	0,00	0,00	-
Sum			43,37								

- Data undefined due to calculation with octave data

Noise sensitive area: Y Noise sensitive point: User defined (27)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.827	2.830	15,61	106,0	0,00	80,04	-	-	0,00	0,00	-
2	2.445	2.448	17,54	106,0	0,00	78,78	-	-	0,00	0,00	-
3	1.271	1.277	26,05	106,0	0,00	73,12	-	-	0,00	0,00	-
4	503	520	37,00	106,0	0,00	65,32	-	-	0,00	0,00	-
5	495	511	37,19	106,0	0,00	65,17	-	-	0,00	0,00	-
6	3.709	3.711	12,02	106,0	0,00	82,39	-	-	0,00	0,00	-
7	6.783	6.784	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
8	3.002	3.005	14,81	106,0	0,00	80,56	-	-	0,00	0,00	-
Sum			40,33								

- Data undefined due to calculation with octave data

Noise sensitive area: Z Noise sensitive point: User defined (28)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.856	2.859	15,47	106,0	0,00	80,12	-	-	0,00	0,00	-
2	2.473	2.476	17,39	106,0	0,00	78,87	-	-	0,00	0,00	-
3	1.308	1.314	25,68	106,0	0,00	73,37	-	-	0,00	0,00	-
4	453	471	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
5	492	508	37,27	106,0	0,00	65,12	-	-	0,00	0,00	-
6	3.687	3.689	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
7	6.768	6.769	5,18	106,0	0,00	87,61	-	-	0,00	0,00	-
8	3.051	3.054	14,60	106,0	0,00	80,70	-	-	0,00	0,00	-
Sum			40,91								

- Data undefined due to calculation with octave data

Noise sensitive area: AA Noise sensitive point: User defined (29)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.888	2.891	15,33	106,0	0,00	80,22	-	-	0,00	0,00	-
2	2.507	2.511	17,20	106,0	0,00	79,00	-	-	0,00	0,00	-
3	1.324	1.330	25,53	106,0	0,00	73,48	-	-	0,00	0,00	-
4	483	500	37,45	106,0	0,00	64,98	-	-	0,00	0,00	-
5	576	590	35,55	106,0	0,00	66,41	-	-	0,00	0,00	-
6	3.643	3.645	12,25	106,0	0,00	82,23	-	-	0,00	0,00	-
7	6.712	6.713	5,27	106,0	0,00	87,54	-	-	0,00	0,00	-
8	2.938	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
Sum			39,84								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AB Noise sensitive point: User defined (30)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.898	2.901	15,28	106,0	0,00	80,25	-	-	0,00	0,00	-
2	2.516	2.520	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
3	1.336	1.342	25,42	106,0	0,00	73,55	-	-	0,00	0,00	-
4	463	482	37,87	106,0	0,00	64,65	-	-	0,00	0,00	-
5	574	587	35,59	106,0	0,00	66,38	-	-	0,00	0,00	-
6	3.635	3.637	12,28	106,0	0,00	82,22	-	-	0,00	0,00	-
7	6.707	6.708	5,28	106,0	0,00	87,53	-	-	0,00	0,00	-
8	2.955	2.958	15,02	106,0	0,00	80,42	-	-	0,00	0,00	-
Sum			40,10								

- Data undefined due to calculation with octave data

Noise sensitive area: AC Noise sensitive point: User defined (31)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.043	3.045	14,63	106,0	0,00	80,67	-	-	0,00	0,00	-
2	2.661	2.664	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
3	1.480	1.486	24,10	106,0	0,00	74,44	-	-	0,00	0,00	-
4	355	378	40,57	106,0	0,00	62,55	-	-	0,00	0,00	-
5	697	709	33,37	106,0	0,00	68,01	-	-	0,00	0,00	-
6	3.491	3.494	12,81	106,0	0,00	81,87	-	-	0,00	0,00	-
7	6.566	6.568	5,51	106,0	0,00	87,35	-	-	0,00	0,00	-
8	2.939	2.942	15,09	106,0	0,00	80,37	-	-	0,00	0,00	-
Sum			41,45								

- Data undefined due to calculation with octave data

Noise sensitive area: AD Noise sensitive point: User defined (32)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.039	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
2	2.657	2.660	16,44	106,0	0,00	79,50	-	-	0,00	0,00	-
3	1.478	1.483	24,12	106,0	0,00	74,43	-	-	0,00	0,00	-
4	345	369	40,84	106,0	0,00	62,33	-	-	0,00	0,00	-
5	687	698	33,55	106,0	0,00	67,88	-	-	0,00	0,00	-
6	3.497	3.500	12,79	106,0	0,00	81,88	-	-	0,00	0,00	-
7	6.574	6.575	5,49	106,0	0,00	87,36	-	-	0,00	0,00	-
8	2.956	2.959	15,02	106,0	0,00	80,42	-	-	0,00	0,00	-
Sum			41,70								

- Data undefined due to calculation with octave data

Noise sensitive area: AE Noise sensitive point: User defined (33)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.512	3.514	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
2	3.134	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
3	1.938	1.942	20,60	106,0	0,00	76,77	-	-	0,00	0,00	-
4	468	485	37,80	106,0	0,00	64,71	-	-	0,00	0,00	-
5	1.175	1.182	27,04	106,0	0,00	72,45	-	-	0,00	0,00	-
6	3.015	3.017	14,76	106,0	0,00	80,59	-	-	0,00	0,00	-
7	6.083	6.085	6,33	106,0	0,00	86,69	-	-	0,00	0,00	-
8	2.795	2.798	15,76	106,0	0,00	79,94	-	-	0,00	0,00	-
Sum			38,30								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AF Noise sensitive point: User defined (34)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.500	3.502	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
2	3.119	3.122	14,31	106,0	0,00	80,89	-	-	0,00	0,00	-
3	1.931	1.934	20,65	106,0	0,00	76,73	-	-	0,00	0,00	-
4	403	423	39,33	106,0	0,00	63,52	-	-	0,00	0,00	-
5	1.141	1.148	27,41	106,0	0,00	72,20	-	-	0,00	0,00	-
6	3.031	3.034	14,68	106,0	0,00	80,64	-	-	0,00	0,00	-
7	6.109	6.111	6,28	106,0	0,00	86,72	-	-	0,00	0,00	-
8	2.866	2.868	15,43	106,0	0,00	80,15	-	-	0,00	0,00	-
Sum			39,71								

- Data undefined due to calculation with octave data

Noise sensitive area: AG Noise sensitive point: User defined (35)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.076	6.077	6,34	106,0	0,00	86,67	-	-	0,00	0,00	-
2	5.704	5.705	7,03	106,0	0,00	86,13	-	-	0,00	0,00	-
3	4.494	4.495	9,70	106,0	0,00	84,06	-	-	0,00	0,00	-
4	2.922	2.925	15,17	106,0	0,00	80,32	-	-	0,00	0,00	-
5	3.747	3.749	11,88	106,0	0,00	82,48	-	-	0,00	0,00	-
6	549	563	36,08	106,0	0,00	66,02	-	-	0,00	0,00	-
7	3.500	3.503	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
8	3.485	3.487	12,84	106,0	0,00	81,85	-	-	0,00	0,00	-
Sum			36,19								

- Data undefined due to calculation with octave data

Noise sensitive area: AH Noise sensitive point: User defined (36)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.118	6.119	6,27	106,0	0,00	86,73	-	-	0,00	0,00	-
2	5.745	5.747	6,95	106,0	0,00	86,19	-	-	0,00	0,00	-
3	4.536	4.537	9,59	106,0	0,00	84,14	-	-	0,00	0,00	-
4	2.961	2.964	15,00	106,0	0,00	80,44	-	-	0,00	0,00	-
5	3.787	3.788	11,75	106,0	0,00	82,57	-	-	0,00	0,00	-
6	509	525	36,90	106,0	0,00	65,40	-	-	0,00	0,00	-
7	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
8	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
Sum			36,99								

- Data undefined due to calculation with octave data

Noise sensitive area: AI Noise sensitive point: User defined (37)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.006	6.007	6,47	106,0	0,00	86,57	-	-	0,00	0,00	-
2	5.630	5.631	7,17	106,0	0,00	86,01	-	-	0,00	0,00	-
3	4.426	4.428	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
4	2.806	2.809	15,71	106,0	0,00	79,97	-	-	0,00	0,00	-
5	3.644	3.646	12,25	106,0	0,00	82,24	-	-	0,00	0,00	-
6	522	538	36,62	106,0	0,00	65,61	-	-	0,00	0,00	-
7	3.613	3.615	12,36	106,0	0,00	82,16	-	-	0,00	0,00	-
8	3.623	3.625	12,32	106,0	0,00	82,19	-	-	0,00	0,00	-
Sum			36,72								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.277	6.278	5,99	106,0	0,00	86,96	-	-	0,00	0,00	-
2	5.897	5.898	6,67	106,0	0,00	86,41	-	-	0,00	0,00	-
3	4.702	4.703	9,18	106,0	0,00	84,45	-	-	0,00	0,00	-
4	3.044	3.047	14,63	106,0	0,00	80,68	-	-	0,00	0,00	-
5	3.890	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
6	294	321	42,33	106,0	0,00	61,13	-	-	0,00	0,00	-
7	3.409	3.412	13,13	106,0	0,00	81,66	-	-	0,00	0,00	-
8	3.956	3.958	11,17	106,0	0,00	82,95	-	-	0,00	0,00	-
Sum			42,35								

- Data undefined due to calculation with octave data

Noise sensitive area: AK Noise sensitive point: User defined (39)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.323	6.324	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
2	5.944	5.945	6,58	106,0	0,00	86,48	-	-	0,00	0,00	-
3	4.747	4.749	9,07	106,0	0,00	84,53	-	-	0,00	0,00	-
4	3.092	3.095	14,42	106,0	0,00	80,81	-	-	0,00	0,00	-
5	3.938	3.940	11,23	106,0	0,00	82,91	-	-	0,00	0,00	-
6	246	278	43,86	106,0	0,00	59,88	-	-	0,00	0,00	-
7	3.360	3.362	13,32	106,0	0,00	81,53	-	-	0,00	0,00	-
8	3.977	3.979	11,11	106,0	0,00	83,00	-	-	0,00	0,00	-
Sum			43,88								

- Data undefined due to calculation with octave data

Noise sensitive area: AL Noise sensitive point: User defined (40)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.788	9.788	1,32	106,0	0,00	90,81	-	-	0,00	0,00	-
2	9.425	9.426	1,72	106,0	0,00	90,49	-	-	0,00	0,00	-
3	8.210	8.211	3,15	106,0	0,00	89,29	-	-	0,00	0,00	-
4	6.680	6.681	5,32	106,0	0,00	87,50	-	-	0,00	0,00	-
5	7.502	7.503	4,09	106,0	0,00	88,50	-	-	0,00	0,00	-
6	3.414	3.416	13,11	106,0	0,00	81,67	-	-	0,00	0,00	-
7	384	405	39,81	106,0	0,00	63,15	-	-	0,00	0,00	-
8	6.326	6.328	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
Sum			39,83								

- Data undefined due to calculation with octave data

Noise sensitive area: AM Noise sensitive point: User defined (41)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.834	9.834	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
2	9.470	9.471	1,67	106,0	0,00	90,53	-	-	0,00	0,00	-
3	8.255	8.256	3,09	106,0	0,00	89,34	-	-	0,00	0,00	-
4	6.719	6.720	5,26	106,0	0,00	87,55	-	-	0,00	0,00	-
5	7.542	7.543	4,04	106,0	0,00	88,55	-	-	0,00	0,00	-
6	3.445	3.448	12,99	106,0	0,00	81,75	-	-	0,00	0,00	-
7	374	395	40,08	106,0	0,00	62,93	-	-	0,00	0,00	-
8	6.389	6.390	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
Sum			40,10								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AN Noise sensitive point: User defined (42)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.915	9.916	1,19	106,0	0,00	90,93	-	-	0,00	0,00	-
2	9.552	9.553	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
3	8.338	8.339	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
4	6.804	6.805	5,13	106,0	0,00	87,66	-	-	0,00	0,00	-
5	7.627	7.628	3,92	106,0	0,00	88,65	-	-	0,00	0,00	-
6	3.534	3.536	12,65	106,0	0,00	81,97	-	-	0,00	0,00	-
7	460	478	37,96	106,0	0,00	64,59	-	-	0,00	0,00	-
8	6.452	6.454	5,69	106,0	0,00	87,20	-	-	0,00	0,00	-
Sum			37,98								

- Data undefined due to calculation with octave data

Noise sensitive area: AO Noise sensitive point: User defined (43)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.911	9.912	1,19	106,0	0,00	90,92	-	-	0,00	0,00	-
2	9.548	9.548	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
3	8.333	8.334	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
4	6.796	6.797	5,14	106,0	0,00	87,65	-	-	0,00	0,00	-
5	7.620	7.621	3,93	106,0	0,00	88,64	-	-	0,00	0,00	-
6	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
7	437	455	38,50	106,0	0,00	64,17	-	-	0,00	0,00	-
8	6.460	6.461	5,68	106,0	0,00	87,21	-	-	0,00	0,00	-
Sum			38,52								

- Data undefined due to calculation with octave data

Noise sensitive area: AP Noise sensitive point: User defined (48)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.087	5.089	8,29	106,0	0,00	85,13	-	-	0,00	0,00	-
2	4.887	4.889	8,75	106,0	0,00	84,78	-	-	0,00	0,00	-
3	4.017	4.019	10,99	106,0	0,00	83,08	-	-	0,00	0,00	-
4	3.988	3.990	11,08	106,0	0,00	83,02	-	-	0,00	0,00	-
5	4.149	4.151	10,62	106,0	0,00	83,36	-	-	0,00	0,00	-
6	4.519	4.521	9,63	106,0	0,00	84,10	-	-	0,00	0,00	-
7	6.395	6.397	5,79	106,0	0,00	87,12	-	-	0,00	0,00	-
8	793	803	31,85	106,0	0,00	69,10	-	-	0,00	0,00	-
Sum			32,03								

- Data undefined due to calculation with octave data

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.051	5.052	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
2	4.849	4.851	8,83	106,0	0,00	84,72	-	-	0,00	0,00	-
3	3.977	3.979	11,11	106,0	0,00	82,99	-	-	0,00	0,00	-
4	3.947	3.949	11,20	106,0	0,00	82,93	-	-	0,00	0,00	-
5	4.107	4.109	10,73	106,0	0,00	83,28	-	-	0,00	0,00	-
6	4.495	4.498	9,69	106,0	0,00	84,06	-	-	0,00	0,00	-
7	6.391	6.392	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
8	752	763	32,49	106,0	0,00	68,65	-	-	0,00	0,00	-
Sum			32,65								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 Noise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AR Noise sensitive point: User defined (50)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.655	4.656	9,30	106,0	0,00	84,36	-	-	0,00	0,00	-
2	4.477	4.479	9,74	106,0	0,00	84,02	-	-	0,00	0,00	-
3	3.688	3.690	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
4	3.877	3.879	11,43	106,0	0,00	82,77	-	-	0,00	0,00	-
5	3.931	3.933	11,25	106,0	0,00	82,89	-	-	0,00	0,00	-
6	4.804	4.806	8,94	106,0	0,00	84,64	-	-	0,00	0,00	-
7	6.847	6.848	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	807	818	31,64	106,0	0,00	69,25	-	-	0,00	0,00	-
Sum			31,85								

- Data undefined due to calculation with octave data

Noise sensitive area: AS Noise sensitive point: User defined (51)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.631	4.633	9,35	106,0	0,00	84,32	-	-	0,00	0,00	-
2	4.451	4.453	9,81	106,0	0,00	83,97	-	-	0,00	0,00	-
3	3.652	3.654	12,22	106,0	0,00	82,26	-	-	0,00	0,00	-
4	3.828	3.830	11,60	106,0	0,00	82,66	-	-	0,00	0,00	-
5	3.886	3.889	11,40	106,0	0,00	82,80	-	-	0,00	0,00	-
6	4.757	4.759	9,05	106,0	0,00	84,55	-	-	0,00	0,00	-
7	6.812	6.813	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
8	756	767	32,42	106,0	0,00	68,70	-	-	0,00	0,00	-
Sum			32,60								

- Data undefined due to calculation with octave data

Noise sensitive area: AT Noise sensitive point: User defined (52)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.425	4.427	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
2	4.151	4.153	10,61	106,0	0,00	83,37	-	-	0,00	0,00	-
3	3.095	3.098	14,41	106,0	0,00	80,82	-	-	0,00	0,00	-
4	2.724	2.727	16,10	106,0	0,00	79,71	-	-	0,00	0,00	-
5	3.007	3.010	14,79	106,0	0,00	80,57	-	-	0,00	0,00	-
6	3.478	3.481	12,86	106,0	0,00	81,83	-	-	0,00	0,00	-
7	5.831	5.832	6,79	106,0	0,00	86,32	-	-	0,00	0,00	-
8	588	602	35,31	106,0	0,00	66,59	-	-	0,00	0,00	-
Sum			35,49								

- Data undefined due to calculation with octave data

Noise sensitive area: AU Noise sensitive point: User defined (53)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.293	4.295	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
2	4.105	4.107	10,74	106,0	0,00	83,27	-	-	0,00	0,00	-
3	3.296	3.298	13,58	106,0	0,00	81,37	-	-	0,00	0,00	-
4	3.513	3.515	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
5	3.542	3.544	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
6	4.650	4.652	9,31	106,0	0,00	84,35	-	-	0,00	0,00	-
7	6.848	6.849	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
Sum			34,58								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukšomas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

Octave data required

Frequency dependent air absorption

63	125	250	500	1.000	2.000	4.000	8.000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0,10	0,40	1,00	1,90	3,70	9,70	32,80	117,00

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!

Noise: Level 0 - OM 0s - 4200 kW

Source Source/Date Creator Edited
Enercon GmbH 2019.11.08 EMD 2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data							
					63	125	250	500	1000	2000	4000	8000
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!

Noise: Level 0 - OM 0s - 4200 kW

Source Source/Date Creator Edited
Enercon GmbH 2019.11.08 EMD 2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data							
					63	125	250	500	1000	2000	4000	8000
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

Noise sensitive area: A Noise sensitive point: User defined (1)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: B Noise sensitive point: User defined (2)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: C Noise sensitive point: User defined (4)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: D Noise sensitive point: User defined (5)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: E Noise sensitive point: User defined (6)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: F Noise sensitive point: User defined (7)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: G Noise sensitive point: User defined (8)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: H Noise sensitive point: User defined (9)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: I Noise sensitive point: User defined (11)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: J Noise sensitive point: User defined (12)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: K Noise sensitive point: User defined (13)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: L Noise sensitive point: User defined (14)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: M Noise sensitive point: User defined (15)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: N Noise sensitive point: User defined (16)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: O Noise sensitive point: User defined (17)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: P Noise sensitive point: User defined (18)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Q Noise sensitive point: User defined (19)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: R Noise sensitive point: User defined (20)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukōmas

Description:

Ađtuoniō vėjo elektriniō (Ėilutės raj. sav. Usėnō ir Juknaiėiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: S Noise sensitive point: User defined (21)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: T Noise sensitive point: User defined (22)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: U Noise sensitive point: User defined (23)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: V Noise sensitive point: User defined (24)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: W Noise sensitive point: User defined (25)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: X Noise sensitive point: User defined (26)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Y Noise sensitive point: User defined (27)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Z Noise sensitive point: User defined (28)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AA Noise sensitive point: User defined (29)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okšlindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AB Noise sensitive point: User defined (30)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AC Noise sensitive point: User defined (31)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AD Noise sensitive point: User defined (32)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AE Noise sensitive point: User defined (33)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AF Noise sensitive point: User defined (34)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AG Noise sensitive point: User defined (35)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AH Noise sensitive point: User defined (36)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AI Noise sensitive point: User defined (37)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AK Noise sensitive point: User defined (39)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AL Noise sensitive point: User defined (40)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AM Noise sensitive point: User defined (41)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AN Noise sensitive point: User defined (42)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AO Noise sensitive point: User defined (43)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AP Noise sensitive point: User defined (48)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AR Noise sensitive point: User defined (50)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AS Noise sensitive point: User defined (51)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AT Noise sensitive point: User defined (52)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AU Noise sensitive point: User defined (53)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

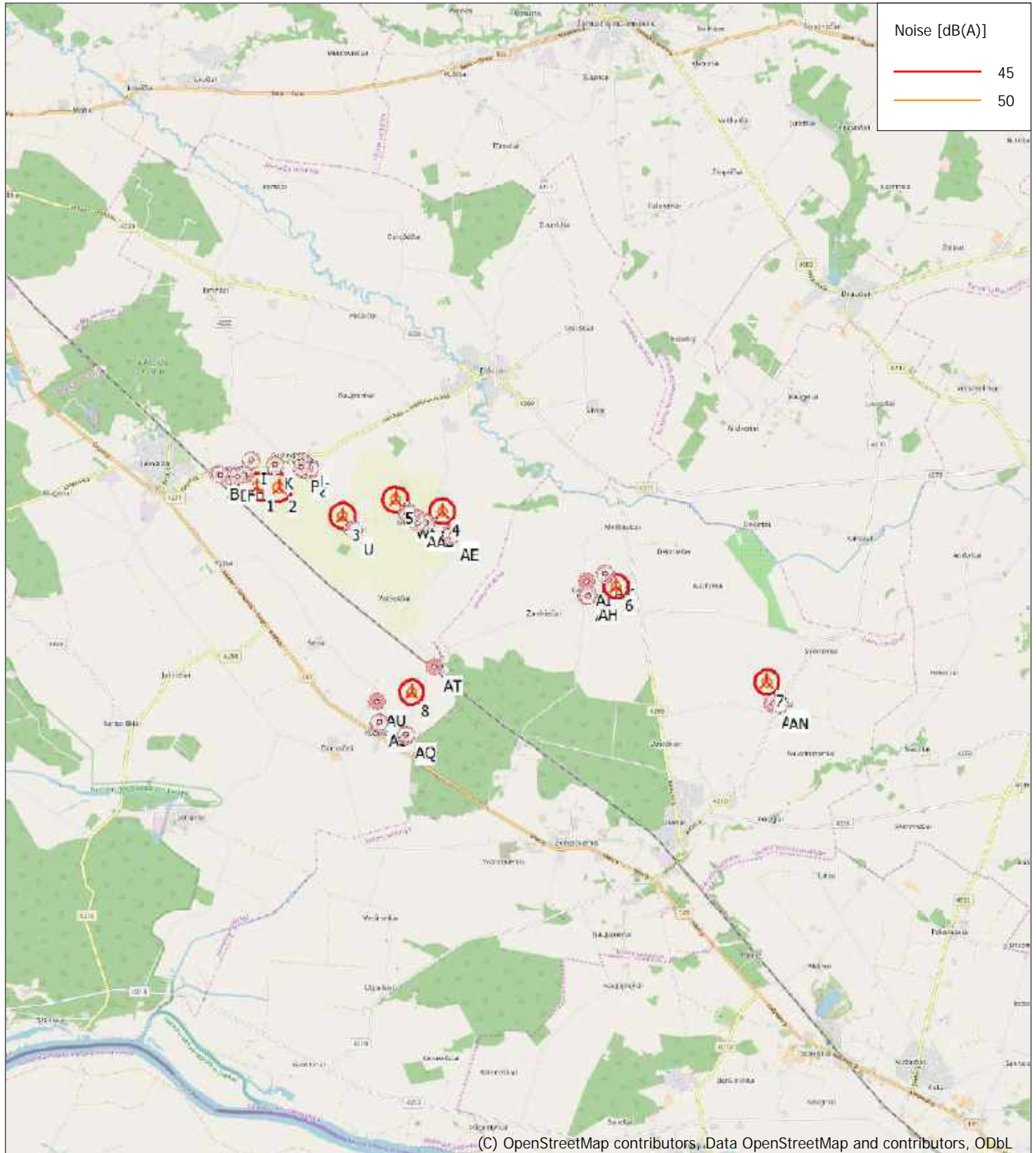
Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usenō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:100.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.368 North: 6.128.575

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s
Height above sea level from active line object

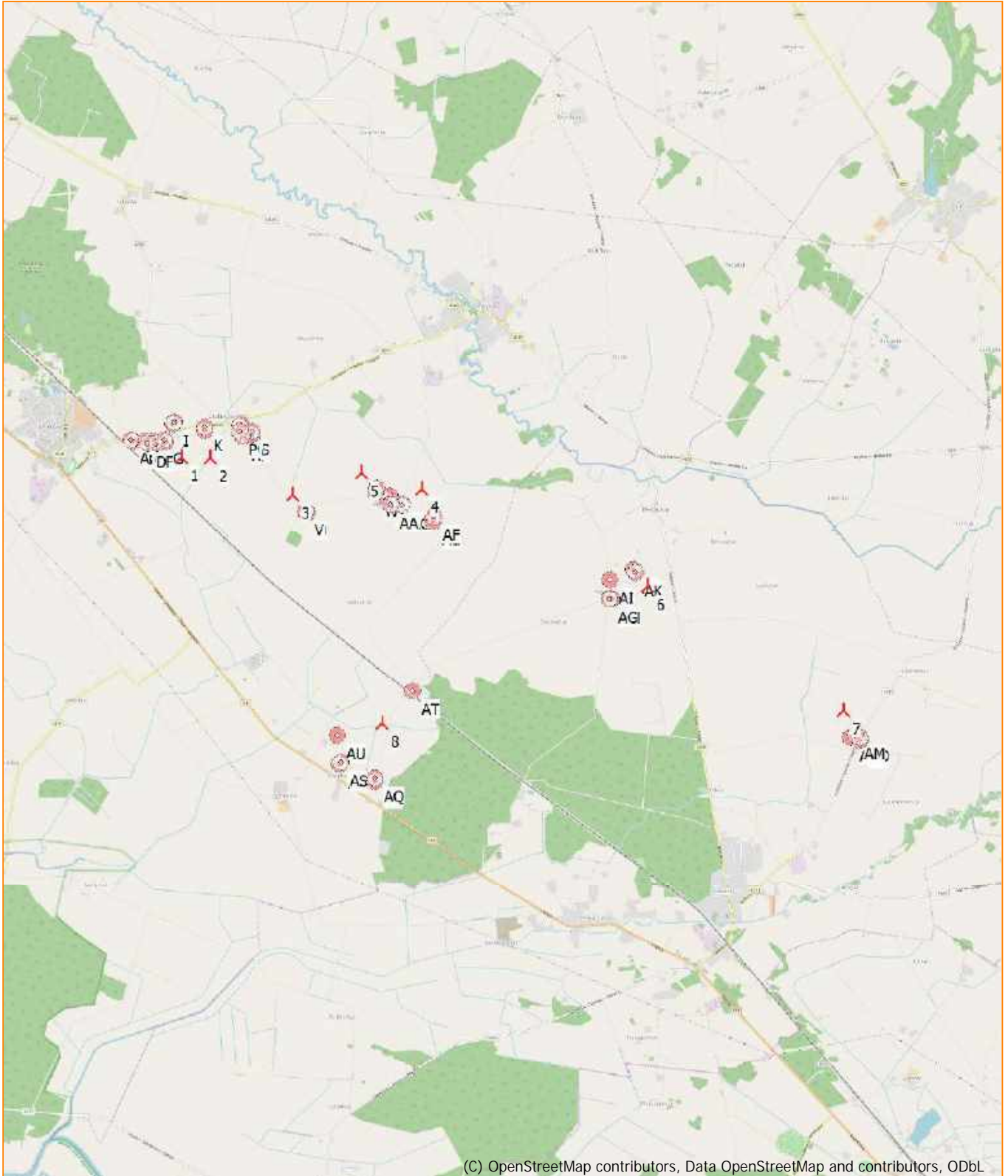
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL



Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437

New WTG Noise sensitive area

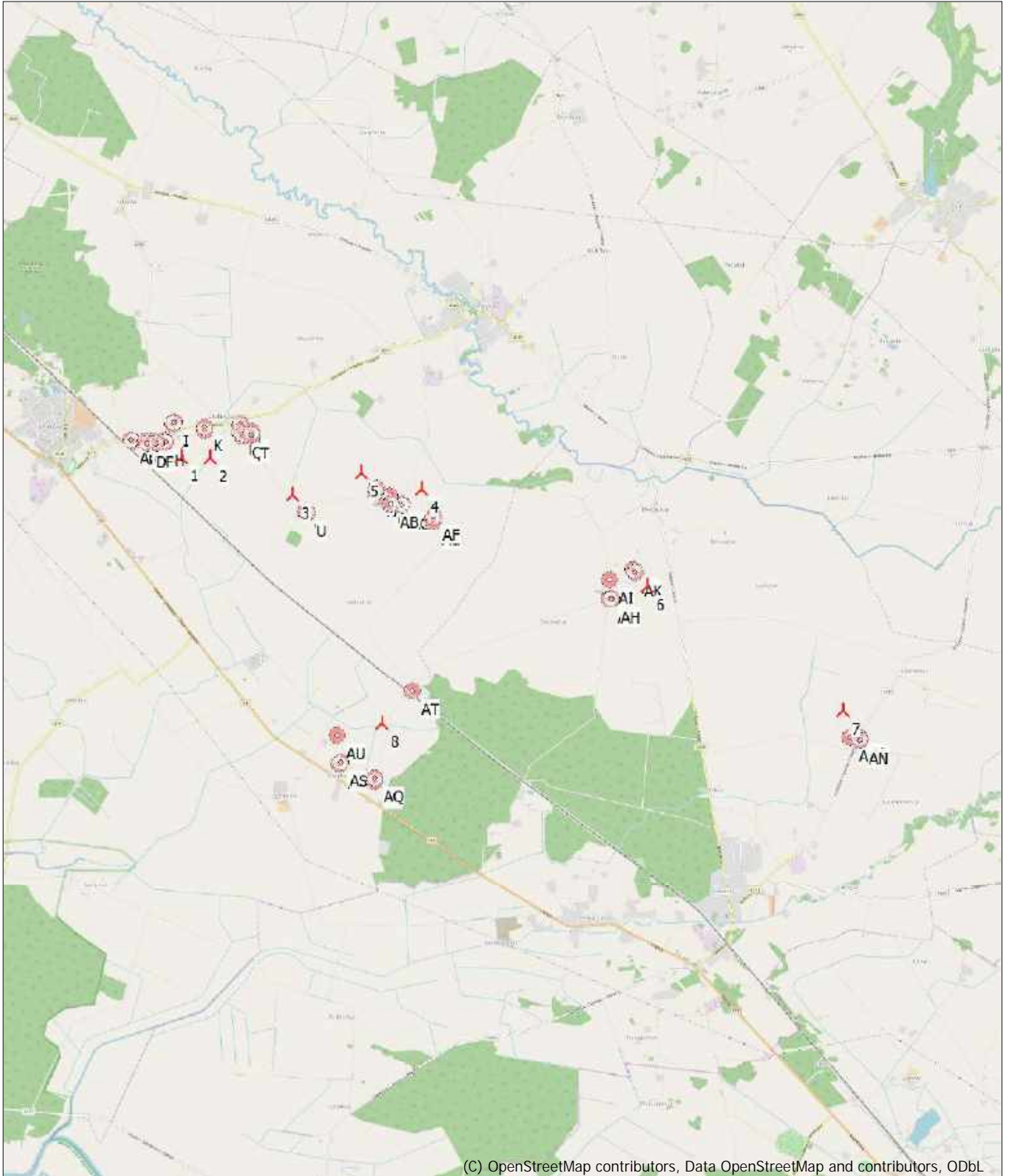
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437
New WTG Noise sensitive area

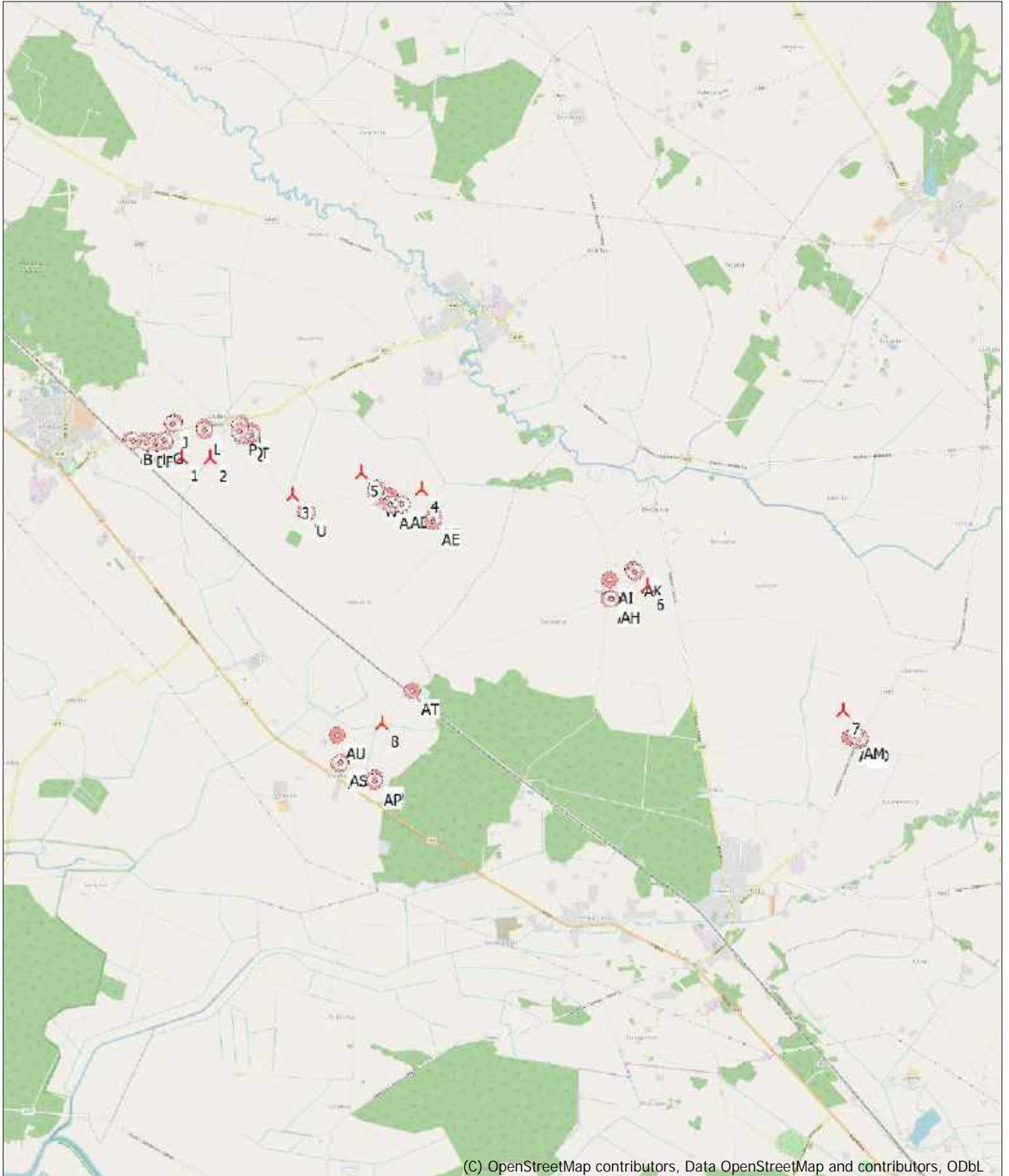
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:33/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437
New WTG Noise sensitive area

Project:
8 VE Ėilutės r. triukšmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

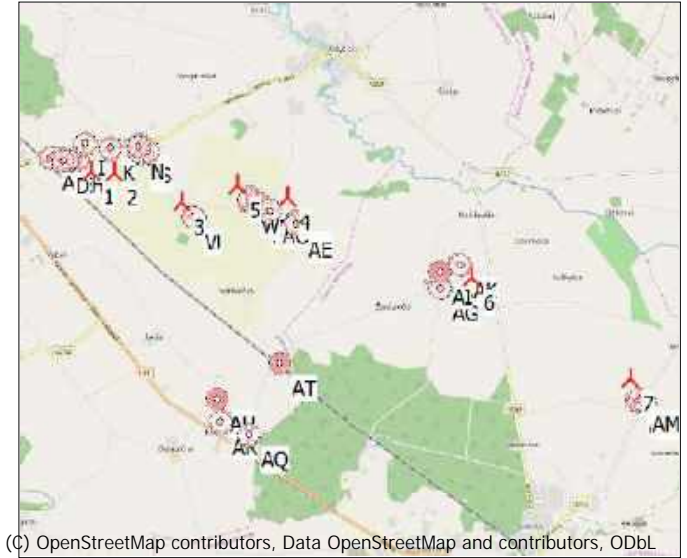
0,0 dB(A)

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs

Y	X	Z	Row data/Description	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	LwA,ref [dB(A)]
				Valid	Manufact.	Type-generator				Creator	Name		
1	347.959	6.130.426	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
2	348.347	6.130.399	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
3	349.441	6.129.870	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
4	351.193	6.129.888	14,5 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
5	350.375	6.130.124	10,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
6	354.189	6.128.475	20,0 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0
7	356.778	6.126.724	19,1 ENERCON E-138 EP3 E2 ...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	EMD	Level 0 - OM 0s - 4200 kW	10,0	106,0



Calculation Results

Sound level

Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]	Distance to noise demand [m]	Demands fulfilled? Noise
A	Noise sensitive point: User defined (1)	347.290	6.130.678	10,0	1,5	45,0	34,4	489	Yes
B	Noise sensitive point: User defined (2)	347.334	6.130.657	10,0	1,5	45,0	35,2	440	Yes
C	Noise sensitive point: User defined (4)	347.483	6.130.653	10,7	1,5	45,0	37,6	303	Yes
D	Noise sensitive point: User defined (5)	347.505	6.130.613	10,4	1,5	45,0	38,3	266	Yes
E	Noise sensitive point: User defined (6)	347.592	6.130.646	10,8	1,5	45,0	39,6	202	Yes
F	Noise sensitive point: User defined (7)	347.637	6.130.618	10,6	1,5	45,0	40,8	149	Yes
G	Noise sensitive point: User defined (8)	347.734	6.130.663	11,0	1,5	45,0	42,1	98	Yes
H	Noise sensitive point: User defined (9)	347.757	6.130.635	10,8	1,5	45,0	43,1	63	Yes
I	Noise sensitive point: User defined (11)	347.883	6.130.901	13,1	1,5	45,0	39,1	243	Yes
J	Noise sensitive point: User defined (12)	347.866	6.130.871	12,8	1,5	45,0	39,6	219	Yes
K	Noise sensitive point: User defined (13)	348.287	6.130.811	10,0	1,5	45,0	41,2	161	Yes
L	Noise sensitive point: User defined (14)	348.284	6.130.768	10,0	1,5	45,0	42,2	118	Yes
M	Noise sensitive point: User defined (15)	348.782	6.130.851	10,0	1,5	45,0	36,6	396	Yes
N	Noise sensitive point: User defined (16)	348.759	6.130.812	10,0	1,5	45,0	37,3	352	Yes
O	Noise sensitive point: User defined (17)	348.756	6.130.753	10,0	1,5	45,0	37,9	310	Yes
P	Noise sensitive point: User defined (18)	348.753	6.130.737	10,0	1,5	45,0	38,2	298	Yes
Q	Noise sensitive point: User defined (19)	348.810	6.130.701	10,0	1,5	45,0	37,8	325	Yes
R	Noise sensitive point: User defined (20)	348.790	6.130.676	10,0	1,5	45,0	38,3	295	Yes
S	Noise sensitive point: User defined (21)	348.913	6.130.737	10,0	1,5	45,0	36,4	432	Yes
T	Noise sensitive point: User defined (22)	348.911	6.130.694	10,0	1,5	45,0	36,7	407	Yes
U	Noise sensitive point: User defined (23)	349.644	6.129.613	10,0	1,5	45,0	41,9	108	Yes
V	Noise sensitive point: User defined (24)	349.607	6.129.632	10,0	1,5	45,0	42,8	71	Yes
W	Noise sensitive point: User defined (25)	350.562	6.129.862	10,9	1,5	45,0	42,5	97	Yes

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

...continued from previous page

No.	Name	Y	X	Z	Immission height	Demands Noise	Sound level From WTGs	Distance to noise demand	Demands fulfilled ? Noise
					[m]	[dB(A)]	[dB(A)]	[m]	
X	Noise sensitive point: User defined (26)	350.576	6.129.919	10,8	1,5	45,0	43,4	61	Yes
Y	Noise sensitive point: User defined (27)	350.707	6.129.756	12,0	1,5	45,0	40,3	269	Yes
Z	Noise sensitive point: User defined (28)	350.748	6.129.803	12,1	1,5	45,0	40,9	230	Yes
AA	Noise sensitive point: User defined (29)	350.753	6.129.689	12,4	1,5	45,0	39,8	259	Yes
AB	Noise sensitive point: User defined (30)	350.767	6.129.705	12,4	1,5	45,0	40,1	240	Yes
AC	Noise sensitive point: User defined (31)	350.909	6.129.675	13,3	1,5	45,0	41,4	135	Yes
AD	Noise sensitive point: User defined (32)	350.909	6.129.692	13,3	1,5	45,0	41,7	125	Yes
AE	Noise sensitive point: User defined (33)	351.332	6.129.441	16,3	1,5	45,0	38,3	252	Yes
AF	Noise sensitive point: User defined (34)	351.339	6.129.512	16,2	1,5	45,0	39,7	185	Yes
AG	Noise sensitive point: User defined (35)	353.662	6.128.322	20,0	1,5	45,0	36,2	338	Yes
AH	Noise sensitive point: User defined (36)	353.705	6.128.318	20,0	1,5	45,0	37,0	298	Yes
AI	Noise sensitive point: User defined (37)	353.678	6.128.582	20,0	1,5	45,0	36,7	308	Yes
AJ	Noise sensitive point: User defined (38)	353.996	6.128.697	20,0	1,5	45,0	42,4	83	Yes
AK	Noise sensitive point: User defined (39)	354.036	6.128.668	20,0	1,5	45,0	43,9	34	Yes
AL	Noise sensitive point: User defined (40)	356.862	6.126.349	19,7	1,5	45,0	39,8	172	Yes
AM	Noise sensitive point: User defined (41)	356.927	6.126.381	20,0	1,5	45,0	40,1	161	Yes
AN	Noise sensitive point: User defined (42)	356.986	6.126.313	20,0	1,5	45,0	38,0	249	Yes
AO	Noise sensitive point: User defined (43)	356.996	6.126.345	20,0	1,5	45,0	38,5	226	Yes
AP	Noise sensitive point: User defined (48)	350.424	6.125.973	10,0	1,5	45,0	18,1	3.771	Yes
AQ	Noise sensitive point: User defined (49)	350.424	6.126.015	10,0	1,5	45,0	18,2	3.730	Yes
AR	Noise sensitive point: User defined (50)	349.947	6.126.215	10,0	1,5	45,0	18,6	3.472	Yes
AS	Noise sensitive point: User defined (51)	349.979	6.126.256	10,0	1,5	45,0	18,7	3.437	Yes
AT	Noise sensitive point: User defined (52)	350.962	6.127.173	10,0	1,5	45,0	21,6	2.509	Yes
AU	Noise sensitive point: User defined (53)	349.928	6.126.609	10,0	1,5	45,0	19,7	3.080	Yes

Distances (m)

NSA	WTG						
	1	2	3	4	5	6	7
A	715	1093	2297	3980	3133	7239	10274
B	666	1044	2248	3933	3086	7190	10225
C	527	900	2108	3786	2939	7048	10087
D	491	868	2073	3757	2910	7014	10051
E	428	794	2004	3678	2830	6942	9984
F	375	743	1952	3628	2781	6890	9931
G	327	667	1881	3543	2694	6813	9860
H	291	635	1849	3515	2666	6782	9828
I	481	683	1868	3460	2609	6754	9823
J	454	674	1865	3468	2617	6759	9825
K	506	416	1488	3048	2197	6345	9419
L	472	374	1464	3038	2187	6332	9403
M	926	627	1181	2595	1750	5903	8994
N	888	583	1162	2602	1756	5909	8997
O	861	541	1117	2585	1736	5889	8973
P	852	528	1106	2582	1733	5885	8968
Q	894	552	1043	2517	1668	5819	8902
R	867	522	1036	2528	1678	5828	8908
S	1003	659	1015	2432	1584	5738	8826
T	989	636	979	2419	1570	5723	8808
U	1870	1516	327	1573	891	4683	7693
V	1828	1474	290	1606	912	4724	7735
W	2662	2278	1121	631	322	3881	6960
X	2664	2279	1136	617	287	3889	6974
Y	2827	2445	1271	503	495	3709	6783
Z	2856	2473	1308	453	492	3687	6768
AA	2888	2507	1324	483	576	3643	6712
AB	2898	2516	1336	463	574	3635	6707
AC	3043	2661	1480	355	697	3491	6566
AD	3039	2657	1478	345	687	3497	6574
AE	3512	3134	1938	468	1175	3015	6083
AF	3500	3119	1931	403	1141	3031	6109
AG	6076	5704	4494	2922	3747	549	3500

To be continued on next page...

Project:

8 VE Ėilutės r. triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Main Result

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

...continued from previous page

	WTG						
NSA	1	2	3	4	5	6	7
AH	6118	5745	4536	2961	3787	509	3460
AI	6006	5630	4426	2806	3644	522	3613
AJ	6277	5897	4702	3044	3890	294	3409
AK	6323	5944	4747	3092	3938	246	3360
AL	9788	9425	8210	6680	7502	3414	384
AM	9834	9470	8255	6719	7542	3445	374
AN	9915	9552	8338	6804	7627	3534	460
AO	9911	9548	8333	6796	7620	3522	437
AP	5087	4887	4017	3988	4149	4519	6395
AQ	5051	4849	3977	3947	4107	4495	6391
AR	4655	4477	3688	3877	3931	4804	6847
AS	4631	4451	3652	3828	3886	4757	6812
AT	4425	4151	3095	2724	3007	3478	5831
AU	4293	4105	3296	3513	3542	4650	6848

Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Assumptions

Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: User defined (1)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	715	726	33,08	106,0	0,00	68,22	-	-	0,00	0,00	-
2	1.093	1.100	27,95	106,0	0,00	71,83	-	-	0,00	0,00	-
3	2.297	2.300	18,36	106,0	0,00	78,24	-	-	0,00	0,00	-
4	3.980	3.983	11,10	106,0	0,00	83,00	-	-	0,00	0,00	-
5	3.133	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
6	7.239	7.240	4,47	106,0	0,00	88,20	-	-	0,00	0,00	-
7	10.274	10.275	0,82	106,0	0,00	91,24	-	-	0,00	0,00	-
Sum			34,42								

- Data undefined due to calculation with octave data

Noise sensitive area: B Noise sensitive point: User defined (2)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	666	678	33,90	106,0	0,00	67,62	-	-	0,00	0,00	-
2	1.044	1.052	28,51	106,0	0,00	71,44	-	-	0,00	0,00	-
3	2.248	2.251	18,65	106,0	0,00	78,05	-	-	0,00	0,00	-
4	3.933	3.935	11,25	106,0	0,00	82,90	-	-	0,00	0,00	-
5	3.086	3.088	14,45	106,0	0,00	80,79	-	-	0,00	0,00	-
6	7.190	7.192	4,54	106,0	0,00	88,14	-	-	0,00	0,00	-
7	10.225	10.226	0,87	106,0	0,00	91,19	-	-	0,00	0,00	-
Sum			35,16								

- Data undefined due to calculation with octave data

Noise sensitive area: C Noise sensitive point: User defined (4)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	527	542	36,51	106,0	0,00	65,69	-	-	0,00	0,00	-
2	900	909	30,33	106,0	0,00	70,17	-	-	0,00	0,00	-
3	2.108	2.112	19,50	106,0	0,00	77,49	-	-	0,00	0,00	-
4	3.786	3.789	11,74	106,0	0,00	82,57	-	-	0,00	0,00	-
5	2.939	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
6	7.048	7.049	4,75	106,0	0,00	87,96	-	-	0,00	0,00	-
7	10.087	10.088	1,01	106,0	0,00	91,08	-	-	0,00	0,00	-
Sum			37,56								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Noise sensitive area: D Noise sensitive point: User defined (5)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	491	507	37,28	106,0	0,00	65,11	-	-	0,00	0,00	-
2	868	878	30,77	106,0	0,00	69,87	-	-	0,00	0,00	-
3	2.073	2.077	19,72	106,0	0,00	77,35	-	-	0,00	0,00	-
4	3.757	3.759	11,85	106,0	0,00	82,50	-	-	0,00	0,00	-
5	2.910	2.913	15,23	106,0	0,00	80,29	-	-	0,00	0,00	-
6	7.014	7.016	4,80	106,0	0,00	87,92	-	-	0,00	0,00	-
7	10.051	10.052	1,05	106,0	0,00	91,05	-	-	0,00	0,00	-
Sum			38,25								

- Data undefined due to calculation with octave data

Noise sensitive area: E Noise sensitive point: User defined (6)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	428	446	38,73	106,0	0,00	64,00	-	-	0,00	0,00	-
2	794	804	31,84	106,0	0,00	69,11	-	-	0,00	0,00	-
3	2.004	2.008	20,16	106,0	0,00	77,06	-	-	0,00	0,00	-
4	3.678	3.681	12,13	106,0	0,00	82,32	-	-	0,00	0,00	-
5	2.830	2.833	15,60	106,0	0,00	80,05	-	-	0,00	0,00	-
6	6.942	6.943	4,91	106,0	0,00	87,83	-	-	0,00	0,00	-
7	9.984	9.985	1,12	106,0	0,00	90,99	-	-	0,00	0,00	-
Sum			39,61								

- Data undefined due to calculation with octave data

Noise sensitive area: F Noise sensitive point: User defined (7)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	375	396	40,05	106,0	0,00	62,96	-	-	0,00	0,00	-
2	743	754	32,63	106,0	0,00	68,54	-	-	0,00	0,00	-
3	1.952	1.956	20,51	106,0	0,00	76,83	-	-	0,00	0,00	-
4	3.628	3.631	12,30	106,0	0,00	82,20	-	-	0,00	0,00	-
5	2.781	2.784	15,83	106,0	0,00	79,89	-	-	0,00	0,00	-
6	6.890	6.892	4,99	106,0	0,00	87,77	-	-	0,00	0,00	-
7	9.931	9.932	1,17	106,0	0,00	90,94	-	-	0,00	0,00	-
Sum			40,84								

- Data undefined due to calculation with octave data

Noise sensitive area: G Noise sensitive point: User defined (8)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	327	351	41,38	106,0	0,00	61,90	-	-	0,00	0,00	-
2	667	679	33,88	106,0	0,00	67,64	-	-	0,00	0,00	-
3	1.881	1.886	20,99	106,0	0,00	76,51	-	-	0,00	0,00	-
4	3.543	3.546	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
5	2.694	2.697	16,25	106,0	0,00	79,62	-	-	0,00	0,00	-
6	6.813	6.814	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
7	9.860	9.861	1,25	106,0	0,00	90,88	-	-	0,00	0,00	-
Sum			42,14								

- Data undefined due to calculation with octave data

Noise sensitive area: H Noise sensitive point: User defined (9)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	291	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
2	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
3	1.849	1.853	21,22	106,0	0,00	76,36	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukšmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
4	3.515	3.517	12,72	106,0	0,00	81,92	-	-	0,00	0,00	-
5	2.666	2.669	16,39	106,0	0,00	79,53	-	-	0,00	0,00	-
6	6.782	6.783	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
7	9.828	9.829	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
Sum			43,13								

- Data undefined due to calculation with octave data

Noise sensitive area: I Noise sensitive point: User defined (11)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	481	497	37,52	106,0	0,00	64,93	-	-	0,00	0,00	-
2	683	695	33,61	106,0	0,00	67,84	-	-	0,00	0,00	-
3	1.868	1.872	21,09	106,0	0,00	76,44	-	-	0,00	0,00	-
4	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
5	2.609	2.612	16,67	106,0	0,00	79,34	-	-	0,00	0,00	-
6	6.754	6.755	5,21	106,0	0,00	87,59	-	-	0,00	0,00	-
7	9.823	9.824	1,29	106,0	0,00	90,85	-	-	0,00	0,00	-
Sum			39,11								

- Data undefined due to calculation with octave data

Noise sensitive area: J Noise sensitive point: User defined (12)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	454	472	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
2	674	685	33,77	106,0	0,00	67,72	-	-	0,00	0,00	-
3	1.865	1.870	21,10	106,0	0,00	76,43	-	-	0,00	0,00	-
4	3.468	3.470	12,90	106,0	0,00	81,81	-	-	0,00	0,00	-
5	2.617	2.620	16,64	106,0	0,00	79,36	-	-	0,00	0,00	-
6	6.759	6.760	5,20	106,0	0,00	87,60	-	-	0,00	0,00	-
7	9.825	9.826	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
Sum			39,57								

- Data undefined due to calculation with octave data

Noise sensitive area: K Noise sensitive point: User defined (13)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	506	522	36,96	106,0	0,00	65,35	-	-	0,00	0,00	-
2	416	436	39,00	106,0	0,00	63,78	-	-	0,00	0,00	-
3	1.488	1.494	24,03	106,0	0,00	74,49	-	-	0,00	0,00	-
4	3.048	3.051	14,61	106,0	0,00	80,69	-	-	0,00	0,00	-
5	2.197	2.201	18,95	106,0	0,00	77,85	-	-	0,00	0,00	-
6	6.345	6.346	5,87	106,0	0,00	87,05	-	-	0,00	0,00	-
7	9.419	9.420	1,72	106,0	0,00	90,48	-	-	0,00	0,00	-
Sum			41,23								

- Data undefined due to calculation with octave data

Noise sensitive area: L Noise sensitive point: User defined (14)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	472	489	37,70	106,0	0,00	64,78	-	-	0,00	0,00	-
2	374	396	40,06	106,0	0,00	62,95	-	-	0,00	0,00	-
3	1.464	1.470	24,24	106,0	0,00	74,34	-	-	0,00	0,00	-
4	3.038	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
5	2.187	2.191	19,01	106,0	0,00	77,81	-	-	0,00	0,00	-
6	6.332	6.333	5,90	106,0	0,00	87,03	-	-	0,00	0,00	-
7	9.403	9.404	1,74	106,0	0,00	90,47	-	-	0,00	0,00	-
Sum			42,15								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukūmas

Description:
Aðtuoniū vėjo elektrinių (Ėilutės raj. sav. Usėnė ir Juknaiėnė sen.: Kavoliū, Stremeniū, Kūgelii, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

Licensed user:
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+8 621 66746
Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Noise sensitive area: M Noise sensitive point: User defined (15)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	926	935	29,99	106,0	0,00	70,41	-	-	0,00	0,00	-
2	627	640	34,58	106,0	0,00	67,12	-	-	0,00	0,00	-
3	1.181	1.188	26,97	106,0	0,00	72,50	-	-	0,00	0,00	-
4	2.595	2.598	16,75	106,0	0,00	79,29	-	-	0,00	0,00	-
5	1.750	1.755	21,93	106,0	0,00	75,89	-	-	0,00	0,00	-
6	5.903	5.905	6,65	106,0	0,00	86,42	-	-	0,00	0,00	-
7	8.994	8.995	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
Sum			36,61								

- Data undefined due to calculation with octave data

Noise sensitive area: N Noise sensitive point: User defined (16)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	888	897	30,50	106,0	0,00	70,06	-	-	0,00	0,00	-
2	583	597	35,40	106,0	0,00	66,52	-	-	0,00	0,00	-
3	1.162	1.170	27,17	106,0	0,00	72,36	-	-	0,00	0,00	-
4	2.602	2.606	16,71	106,0	0,00	79,32	-	-	0,00	0,00	-
5	1.756	1.760	21,89	106,0	0,00	75,91	-	-	0,00	0,00	-
6	5.909	5.911	6,64	106,0	0,00	86,43	-	-	0,00	0,00	-
7	8.997	8.998	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
Sum			37,26								

- Data undefined due to calculation with octave data

Noise sensitive area: O Noise sensitive point: User defined (17)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	861	871	30,87	106,0	0,00	69,80	-	-	0,00	0,00	-
2	541	556	36,23	106,0	0,00	65,90	-	-	0,00	0,00	-
3	1.117	1.124	27,67	106,0	0,00	72,02	-	-	0,00	0,00	-
4	2.585	2.588	16,80	106,0	0,00	79,26	-	-	0,00	0,00	-
5	1.736	1.741	22,04	106,0	0,00	75,82	-	-	0,00	0,00	-
6	5.889	5.890	6,68	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.973	8.974	2,22	106,0	0,00	90,06	-	-	0,00	0,00	-
Sum			37,94								

- Data undefined due to calculation with octave data

Noise sensitive area: P Noise sensitive point: User defined (18)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	852	862	30,99	106,0	0,00	69,71	-	-	0,00	0,00	-
2	528	544	36,49	106,0	0,00	65,70	-	-	0,00	0,00	-
3	1.106	1.114	27,79	106,0	0,00	71,94	-	-	0,00	0,00	-
4	2.582	2.586	16,81	106,0	0,00	79,25	-	-	0,00	0,00	-
5	1.733	1.738	22,06	106,0	0,00	75,80	-	-	0,00	0,00	-
6	5.885	5.887	6,69	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.968	8.970	2,23	106,0	0,00	90,06	-	-	0,00	0,00	-
Sum			38,15								

- Data undefined due to calculation with octave data

Noise sensitive area: Q Noise sensitive point: User defined (19)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	894	903	30,42	106,0	0,00	70,11	-	-	0,00	0,00	-
2	552	567	36,00	106,0	0,00	66,08	-	-	0,00	0,00	-
3	1.043	1.051	28,52	106,0	0,00	71,43	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
4	2.517	2.521	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
5	1.668	1.673	22,56	106,0	0,00	75,47	-	-	0,00	0,00	-
6	5.819	5.821	6,81	106,0	0,00	86,30	-	-	0,00	0,00	-
7	8.902	8.903	2,31	106,0	0,00	89,99	-	-	0,00	0,00	-
Sum			37,80								

- Data undefined due to calculation with octave data

Noise sensitive area: R Noise sensitive point: User defined (20)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	867	877	30,78	106,0	0,00	69,86	-	-	0,00	0,00	-
2	522	538	36,61	106,0	0,00	65,61	-	-	0,00	0,00	-
3	1.036	1.044	28,61	106,0	0,00	71,37	-	-	0,00	0,00	-
4	2.528	2.531	17,09	106,0	0,00	79,07	-	-	0,00	0,00	-
5	1.678	1.683	22,48	106,0	0,00	75,52	-	-	0,00	0,00	-
6	5.828	5.829	6,79	106,0	0,00	86,31	-	-	0,00	0,00	-
7	8.908	8.909	2,30	106,0	0,00	90,00	-	-	0,00	0,00	-
Sum			38,29								

- Data undefined due to calculation with octave data

Noise sensitive area: S Noise sensitive point: User defined (21)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.003	1.011	29,01	106,0	0,00	71,10	-	-	0,00	0,00	-
2	659	672	34,01	106,0	0,00	67,54	-	-	0,00	0,00	-
3	1.015	1.023	28,87	106,0	0,00	71,20	-	-	0,00	0,00	-
4	2.432	2.435	17,61	106,0	0,00	78,73	-	-	0,00	0,00	-
5	1.584	1.590	23,22	106,0	0,00	75,03	-	-	0,00	0,00	-
6	5.738	5.739	6,96	106,0	0,00	86,18	-	-	0,00	0,00	-
7	8.826	8.827	2,40	106,0	0,00	89,92	-	-	0,00	0,00	-
Sum			36,40								

- Data undefined due to calculation with octave data

Noise sensitive area: T Noise sensitive point: User defined (22)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	989	997	29,19	106,0	0,00	70,97	-	-	0,00	0,00	-
2	636	649	34,42	106,0	0,00	67,25	-	-	0,00	0,00	-
3	979	988	29,30	106,0	0,00	70,89	-	-	0,00	0,00	-
4	2.419	2.423	17,68	106,0	0,00	78,69	-	-	0,00	0,00	-
5	1.570	1.576	23,34	106,0	0,00	74,95	-	-	0,00	0,00	-
6	5.723	5.725	6,99	106,0	0,00	86,15	-	-	0,00	0,00	-
7	8.808	8.809	2,42	106,0	0,00	89,90	-	-	0,00	0,00	-
Sum			36,75								

- Data undefined due to calculation with octave data

Noise sensitive area: U Noise sensitive point: User defined (23)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.870	1.874	21,07	106,0	0,00	76,46	-	-	0,00	0,00	-
2	1.516	1.521	23,79	106,0	0,00	74,64	-	-	0,00	0,00	-
3	327	352	41,35	106,0	0,00	61,93	-	-	0,00	0,00	-
4	1.573	1.578	23,32	106,0	0,00	74,96	-	-	0,00	0,00	-
5	891	901	30,45	106,0	0,00	70,09	-	-	0,00	0,00	-
6	4.683	4.685	9,23	106,0	0,00	84,41	-	-	0,00	0,00	-
7	7.693	7.695	3,83	106,0	0,00	88,72	-	-	0,00	0,00	-
Sum			41,86								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Noise sensitive area: V Noise sensitive point: User defined (24)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.828	1.833	21,36	106,0	0,00	76,26	-	-	0,00	0,00	-
2	1.474	1.480	24,15	106,0	0,00	74,41	-	-	0,00	0,00	-
3	290	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
4	1.606	1.611	23,05	106,0	0,00	75,14	-	-	0,00	0,00	-
5	912	921	30,18	106,0	0,00	70,28	-	-	0,00	0,00	-
6	4.724	4.726	9,13	106,0	0,00	84,49	-	-	0,00	0,00	-
7	7.735	7.736	3,77	106,0	0,00	88,77	-	-	0,00	0,00	-
Sum			42,84								

- Data undefined due to calculation with octave data

Noise sensitive area: W Noise sensitive point: User defined (25)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.662	2.665	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
2	2.278	2.282	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
3	1.121	1.128	27,63	106,0	0,00	72,04	-	-	0,00	0,00	-
4	631	645	34,49	106,0	0,00	67,19	-	-	0,00	0,00	-
5	322	346	41,52	106,0	0,00	61,79	-	-	0,00	0,00	-
6	3.881	3.884	11,42	106,0	0,00	82,79	-	-	0,00	0,00	-
7	6.960	6.961	4,88	106,0	0,00	87,85	-	-	0,00	0,00	-
Sum			42,48								

- Data undefined due to calculation with octave data

Noise sensitive area: X Noise sensitive point: User defined (26)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.664	2.668	16,40	106,0	0,00	79,52	-	-	0,00	0,00	-
2	2.279	2.283	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
3	1.136	1.143	27,47	106,0	0,00	72,16	-	-	0,00	0,00	-
4	617	632	34,74	106,0	0,00	67,01	-	-	0,00	0,00	-
5	287	314	42,56	106,0	0,00	60,94	-	-	0,00	0,00	-
6	3.889	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
7	6.974	6.975	4,86	106,0	0,00	87,87	-	-	0,00	0,00	-
Sum			43,36								

- Data undefined due to calculation with octave data

Noise sensitive area: Y Noise sensitive point: User defined (27)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.827	2.830	15,61	106,0	0,00	80,04	-	-	0,00	0,00	-
2	2.445	2.448	17,54	106,0	0,00	78,78	-	-	0,00	0,00	-
3	1.271	1.277	26,05	106,0	0,00	73,12	-	-	0,00	0,00	-
4	503	520	37,00	106,0	0,00	65,32	-	-	0,00	0,00	-
5	495	511	37,19	106,0	0,00	65,17	-	-	0,00	0,00	-
6	3.709	3.711	12,02	106,0	0,00	82,39	-	-	0,00	0,00	-
7	6.783	6.784	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
Sum			40,32								

- Data undefined due to calculation with octave data

Noise sensitive area: Z Noise sensitive point: User defined (28)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.856	2.859	15,47	106,0	0,00	80,12	-	-	0,00	0,00	-
2	2.473	2.476	17,39	106,0	0,00	78,87	-	-	0,00	0,00	-
3	1.308	1.314	25,68	106,0	0,00	73,37	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Āilutēs r. triukōmas

Description:
Ādūoniō vējo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
4	453	471	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
5	492	508	37,27	106,0	0,00	65,12	-	-	0,00	0,00	-
6	3.687	3.689	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
7	6.768	6.769	5,18	106,0	0,00	87,61	-	-	0,00	0,00	-
Sum			40,90								

- Data undefined due to calculation with octave data

Noise sensitive area: AA Noise sensitive point: User defined (29)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.888	2.891	15,33	106,0	0,00	80,22	-	-	0,00	0,00	-
2	2.507	2.511	17,20	106,0	0,00	79,00	-	-	0,00	0,00	-
3	1.324	1.330	25,53	106,0	0,00	73,48	-	-	0,00	0,00	-
4	483	500	37,45	106,0	0,00	64,98	-	-	0,00	0,00	-
5	576	590	35,55	106,0	0,00	66,41	-	-	0,00	0,00	-
6	3.643	3.645	12,25	106,0	0,00	82,23	-	-	0,00	0,00	-
7	6.712	6.713	5,27	106,0	0,00	87,54	-	-	0,00	0,00	-
Sum			39,82								

- Data undefined due to calculation with octave data

Noise sensitive area: AB Noise sensitive point: User defined (30)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.898	2.901	15,28	106,0	0,00	80,25	-	-	0,00	0,00	-
2	2.516	2.520	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
3	1.336	1.342	25,42	106,0	0,00	73,55	-	-	0,00	0,00	-
4	463	482	37,87	106,0	0,00	64,65	-	-	0,00	0,00	-
5	574	587	35,59	106,0	0,00	66,38	-	-	0,00	0,00	-
6	3.635	3.637	12,28	106,0	0,00	82,22	-	-	0,00	0,00	-
7	6.707	6.708	5,28	106,0	0,00	87,53	-	-	0,00	0,00	-
Sum			40,09								

- Data undefined due to calculation with octave data

Noise sensitive area: AC Noise sensitive point: User defined (31)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.043	3.045	14,63	106,0	0,00	80,67	-	-	0,00	0,00	-
2	2.661	2.664	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
3	1.480	1.486	24,10	106,0	0,00	74,44	-	-	0,00	0,00	-
4	355	378	40,57	106,0	0,00	62,55	-	-	0,00	0,00	-
5	697	709	33,37	106,0	0,00	68,01	-	-	0,00	0,00	-
6	3.491	3.494	12,81	106,0	0,00	81,87	-	-	0,00	0,00	-
7	6.566	6.568	5,51	106,0	0,00	87,35	-	-	0,00	0,00	-
Sum			41,44								

- Data undefined due to calculation with octave data

Noise sensitive area: AD Noise sensitive point: User defined (32)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.039	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
2	2.657	2.660	16,44	106,0	0,00	79,50	-	-	0,00	0,00	-
3	1.478	1.483	24,12	106,0	0,00	74,43	-	-	0,00	0,00	-
4	345	369	40,84	106,0	0,00	62,33	-	-	0,00	0,00	-
5	687	698	33,55	106,0	0,00	67,88	-	-	0,00	0,00	-
6	3.497	3.500	12,79	106,0	0,00	81,88	-	-	0,00	0,00	-
7	6.574	6.575	5,49	106,0	0,00	87,36	-	-	0,00	0,00	-
Sum			41,69								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Noise sensitive area: AE Noise sensitive point: User defined (33)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.512	3.514	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
2	3.134	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
3	1.938	1.942	20,60	106,0	0,00	76,77	-	-	0,00	0,00	-
4	468	485	37,80	106,0	0,00	64,71	-	-	0,00	0,00	-
5	1.175	1.182	27,04	106,0	0,00	72,45	-	-	0,00	0,00	-
6	3.015	3.017	14,76	106,0	0,00	80,59	-	-	0,00	0,00	-
7	6.083	6.085	6,33	106,0	0,00	86,69	-	-	0,00	0,00	-
Sum			38,28								

- Data undefined due to calculation with octave data

Noise sensitive area: AF Noise sensitive point: User defined (34)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.500	3.502	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
2	3.119	3.122	14,31	106,0	0,00	80,89	-	-	0,00	0,00	-
3	1.931	1.934	20,65	106,0	0,00	76,73	-	-	0,00	0,00	-
4	403	423	39,33	106,0	0,00	63,52	-	-	0,00	0,00	-
5	1.141	1.148	27,41	106,0	0,00	72,20	-	-	0,00	0,00	-
6	3.031	3.034	14,68	106,0	0,00	80,64	-	-	0,00	0,00	-
7	6.109	6.111	6,28	106,0	0,00	86,72	-	-	0,00	0,00	-
Sum			39,70								

- Data undefined due to calculation with octave data

Noise sensitive area: AG Noise sensitive point: User defined (35)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.076	6.077	6,34	106,0	0,00	86,67	-	-	0,00	0,00	-
2	5.704	5.705	7,03	106,0	0,00	86,13	-	-	0,00	0,00	-
3	4.494	4.495	9,70	106,0	0,00	84,06	-	-	0,00	0,00	-
4	2.922	2.925	15,17	106,0	0,00	80,32	-	-	0,00	0,00	-
5	3.747	3.749	11,88	106,0	0,00	82,48	-	-	0,00	0,00	-
6	549	563	36,08	106,0	0,00	66,02	-	-	0,00	0,00	-
7	3.500	3.503	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
Sum			36,17								

- Data undefined due to calculation with octave data

Noise sensitive area: AH Noise sensitive point: User defined (36)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.118	6.119	6,27	106,0	0,00	86,73	-	-	0,00	0,00	-
2	5.745	5.747	6,95	106,0	0,00	86,19	-	-	0,00	0,00	-
3	4.536	4.537	9,59	106,0	0,00	84,14	-	-	0,00	0,00	-
4	2.961	2.964	15,00	106,0	0,00	80,44	-	-	0,00	0,00	-
5	3.787	3.788	11,75	106,0	0,00	82,57	-	-	0,00	0,00	-
6	509	525	36,90	106,0	0,00	65,40	-	-	0,00	0,00	-
7	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
Sum			36,97								

- Data undefined due to calculation with octave data

Noise sensitive area: AI Noise sensitive point: User defined (37)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.006	6.007	6,47	106,0	0,00	86,57	-	-	0,00	0,00	-
2	5.630	5.631	7,17	106,0	0,00	86,01	-	-	0,00	0,00	-
3	4.426	4.428	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
4	2.806	2.809	15,71	106,0	0,00	79,97	-	-	0,00	0,00	-
5	3.644	3.646	12,25	106,0	0,00	82,24	-	-	0,00	0,00	-
6	522	538	36,62	106,0	0,00	65,61	-	-	0,00	0,00	-
7	3.613	3.615	12,36	106,0	0,00	82,16	-	-	0,00	0,00	-
Sum			36,71								

- Data undefined due to calculation with octave data

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.277	6.278	5,99	106,0	0,00	86,96	-	-	0,00	0,00	-
2	5.897	5.898	6,67	106,0	0,00	86,41	-	-	0,00	0,00	-
3	4.702	4.703	9,18	106,0	0,00	84,45	-	-	0,00	0,00	-
4	3.044	3.047	14,63	106,0	0,00	80,68	-	-	0,00	0,00	-
5	3.890	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
6	294	321	42,33	106,0	0,00	61,13	-	-	0,00	0,00	-
7	3.409	3.412	13,13	106,0	0,00	81,66	-	-	0,00	0,00	-
Sum			42,35								

- Data undefined due to calculation with octave data

Noise sensitive area: AK Noise sensitive point: User defined (39)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.323	6.324	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
2	5.944	5.945	6,58	106,0	0,00	86,48	-	-	0,00	0,00	-
3	4.747	4.749	9,07	106,0	0,00	84,53	-	-	0,00	0,00	-
4	3.092	3.095	14,42	106,0	0,00	80,81	-	-	0,00	0,00	-
5	3.938	3.940	11,23	106,0	0,00	82,91	-	-	0,00	0,00	-
6	246	278	43,86	106,0	0,00	59,88	-	-	0,00	0,00	-
7	3.360	3.362	13,32	106,0	0,00	81,53	-	-	0,00	0,00	-
Sum			43,87								

- Data undefined due to calculation with octave data

Noise sensitive area: AL Noise sensitive point: User defined (40)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.788	9.788	1,32	106,0	0,00	90,81	-	-	0,00	0,00	-
2	9.425	9.426	1,72	106,0	0,00	90,49	-	-	0,00	0,00	-
3	8.210	8.211	3,15	106,0	0,00	89,29	-	-	0,00	0,00	-
4	6.680	6.681	5,32	106,0	0,00	87,50	-	-	0,00	0,00	-
5	7.502	7.503	4,09	106,0	0,00	88,50	-	-	0,00	0,00	-
6	3.414	3.416	13,11	106,0	0,00	81,67	-	-	0,00	0,00	-
7	384	405	39,81	106,0	0,00	63,15	-	-	0,00	0,00	-
Sum			39,82								

- Data undefined due to calculation with octave data

Noise sensitive area: AM Noise sensitive point: User defined (41)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.834	9.834	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
2	9.470	9.471	1,67	106,0	0,00	90,53	-	-	0,00	0,00	-
3	8.255	8.256	3,09	106,0	0,00	89,34	-	-	0,00	0,00	-
4	6.719	6.720	5,26	106,0	0,00	87,55	-	-	0,00	0,00	-
5	7.542	7.543	4,04	106,0	0,00	88,55	-	-	0,00	0,00	-
6	3.445	3.448	12,99	106,0	0,00	81,75	-	-	0,00	0,00	-
7	374	395	40,08	106,0	0,00	62,93	-	-	0,00	0,00	-
Sum			40,09								

- Data undefined due to calculation with octave data

Project:
8 VE Āilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s
Noise sensitive area: AN Noise sensitive point: User defined (42)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.915	9.916	1,19	106,0	0,00	90,93	-	-	0,00	0,00	-
2	9.552	9.553	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
3	8.338	8.339	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
4	6.804	6.805	5,13	106,0	0,00	87,66	-	-	0,00	0,00	-
5	7.627	7.628	3,92	106,0	0,00	88,65	-	-	0,00	0,00	-
6	3.534	3.536	12,65	106,0	0,00	81,97	-	-	0,00	0,00	-
7	460	478	37,96	106,0	0,00	64,59	-	-	0,00	0,00	-
Sum			37,98								

- Data undefined due to calculation with octave data

Noise sensitive area: AO Noise sensitive point: User defined (43)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.911	9.912	1,19	106,0	0,00	90,92	-	-	0,00	0,00	-
2	9.548	9.548	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
3	8.333	8.334	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
4	6.796	6.797	5,14	106,0	0,00	87,65	-	-	0,00	0,00	-
5	7.620	7.621	3,93	106,0	0,00	88,64	-	-	0,00	0,00	-
6	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
7	437	455	38,50	106,0	0,00	64,17	-	-	0,00	0,00	-
Sum			38,52								

- Data undefined due to calculation with octave data

Noise sensitive area: AP Noise sensitive point: User defined (48)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.087	5.089	8,29	106,0	0,00	85,13	-	-	0,00	0,00	-
2	4.887	4.889	8,75	106,0	0,00	84,78	-	-	0,00	0,00	-
3	4.017	4.019	10,99	106,0	0,00	83,08	-	-	0,00	0,00	-
4	3.988	3.990	11,08	106,0	0,00	83,02	-	-	0,00	0,00	-
5	4.149	4.151	10,62	106,0	0,00	83,36	-	-	0,00	0,00	-
6	4.519	4.521	9,63	106,0	0,00	84,10	-	-	0,00	0,00	-
7	6.395	6.397	5,79	106,0	0,00	87,12	-	-	0,00	0,00	-
Sum			18,07								

- Data undefined due to calculation with octave data

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.051	5.052	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
2	4.849	4.851	8,83	106,0	0,00	84,72	-	-	0,00	0,00	-
3	3.977	3.979	11,11	106,0	0,00	82,99	-	-	0,00	0,00	-
4	3.947	3.949	11,20	106,0	0,00	82,93	-	-	0,00	0,00	-
5	4.107	4.109	10,73	106,0	0,00	83,28	-	-	0,00	0,00	-
6	4.495	4.498	9,69	106,0	0,00	84,06	-	-	0,00	0,00	-
7	6.391	6.392	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
Sum			18,17								

- Data undefined due to calculation with octave data

Noise sensitive area: AR Noise sensitive point: User defined (50)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.655	4.656	9,30	106,0	0,00	84,36	-	-	0,00	0,00	-
2	4.477	4.479	9,74	106,0	0,00	84,02	-	-	0,00	0,00	-
3	3.688	3.690	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Detailed results

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE) Noise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
4	3.877	3.879	11,43	106,0	0,00	82,77	-	-	0,00	0,00	-
5	3.931	3.933	11,25	106,0	0,00	82,89	-	-	0,00	0,00	-
6	4.804	4.806	8,94	106,0	0,00	84,64	-	-	0,00	0,00	-
7	6.847	6.848	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
Sum			18,60								

- Data undefined due to calculation with octave data

Noise sensitive area: AS Noise sensitive point: User defined (51)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.631	4.633	9,35	106,0	0,00	84,32	-	-	0,00	0,00	-
2	4.451	4.453	9,81	106,0	0,00	83,97	-	-	0,00	0,00	-
3	3.652	3.654	12,22	106,0	0,00	82,26	-	-	0,00	0,00	-
4	3.828	3.830	11,60	106,0	0,00	82,66	-	-	0,00	0,00	-
5	3.886	3.889	11,40	106,0	0,00	82,80	-	-	0,00	0,00	-
6	4.757	4.759	9,05	106,0	0,00	84,55	-	-	0,00	0,00	-
7	6.812	6.813	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
Sum			18,72								

- Data undefined due to calculation with octave data

Noise sensitive area: AT Noise sensitive point: User defined (52)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.425	4.427	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
2	4.151	4.153	10,61	106,0	0,00	83,37	-	-	0,00	0,00	-
3	3.095	3.098	14,41	106,0	0,00	80,82	-	-	0,00	0,00	-
4	2.724	2.727	16,10	106,0	0,00	79,71	-	-	0,00	0,00	-
5	3.007	3.010	14,79	106,0	0,00	80,57	-	-	0,00	0,00	-
6	3.478	3.481	12,86	106,0	0,00	81,83	-	-	0,00	0,00	-
7	5.831	5.832	6,79	106,0	0,00	86,32	-	-	0,00	0,00	-
Sum			21,58								

- Data undefined due to calculation with octave data

Noise sensitive area: AU Noise sensitive point: User defined (53)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.293	4.295	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
2	4.105	4.107	10,74	106,0	0,00	83,27	-	-	0,00	0,00	-
3	3.296	3.298	13,58	106,0	0,00	81,37	-	-	0,00	0,00	-
4	3.513	3.515	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
5	3.542	3.544	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
6	4.650	4.652	9,31	106,0	0,00	84,35	-	-	0,00	0,00	-
7	6.848	6.849	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
Sum			19,73								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukūomas

Description:
Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

Octave data required

Frequency dependent air absorption

63	125	250	500	1.000	2.000	4.000	8.000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0,10	0,40	1,00	1,90	3,70	9,70	32,80	117,00

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!

Noise: Level 0 - OM 0s - 4200 kW

Source Source/Date Creator Edited
Enercon GmbH 2019.11.08 EMD 2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data							
					63	125	250	500	1000	2000	4000	8000
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

Noise sensitive area: A Noise sensitive point: User defined (1)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: B Noise sensitive point: User defined (2)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: C Noise sensitive point: User defined (4)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: D Noise sensitive point: User defined (5)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: E Noise sensitive point: User defined (6)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: F Noise sensitive point: User defined (7)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: G Noise sensitive point: User defined (8)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: H Noise sensitive point: User defined (9)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: I Noise sensitive point: User defined (11)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: J Noise sensitive point: User defined (12)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: K Noise sensitive point: User defined (13)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: L Noise sensitive point: User defined (14)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: M Noise sensitive point: User defined (15)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: N Noise sensitive point: User defined (16)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: O Noise sensitive point: User defined (17)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: P Noise sensitive point: User defined (18)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Q Noise sensitive point: User defined (19)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: R Noise sensitive point: User defined (20)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: S Noise sensitive point: User defined (21)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: T Noise sensitive point: User defined (22)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: U Noise sensitive point: User defined (23)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: V Noise sensitive point: User defined (24)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: W Noise sensitive point: User defined (25)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: X Noise sensitive point: User defined (26)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Y Noise sensitive point: User defined (27)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Z Noise sensitive point: User defined (28)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AA Noise sensitive point: User defined (29)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AB Noise sensitive point: User defined (30)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AC Noise sensitive point: User defined (31)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AD Noise sensitive point: User defined (32)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AE Noise sensitive point: User defined (33)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AF Noise sensitive point: User defined (34)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AG Noise sensitive point: User defined (35)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AH Noise sensitive point: User defined (36)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AI Noise sensitive point: User defined (37)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AK Noise sensitive point: User defined (39)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: AL Noise sensitive point: User defined (40)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AM Noise sensitive point: User defined (41)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AN Noise sensitive point: User defined (42)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AO Noise sensitive point: User defined (43)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AP Noise sensitive point: User defined (48)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AR Noise sensitive point: User defined (50)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AS Noise sensitive point: User defined (51)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AT Noise sensitive point: User defined (52)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AU Noise sensitive point: User defined (53)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

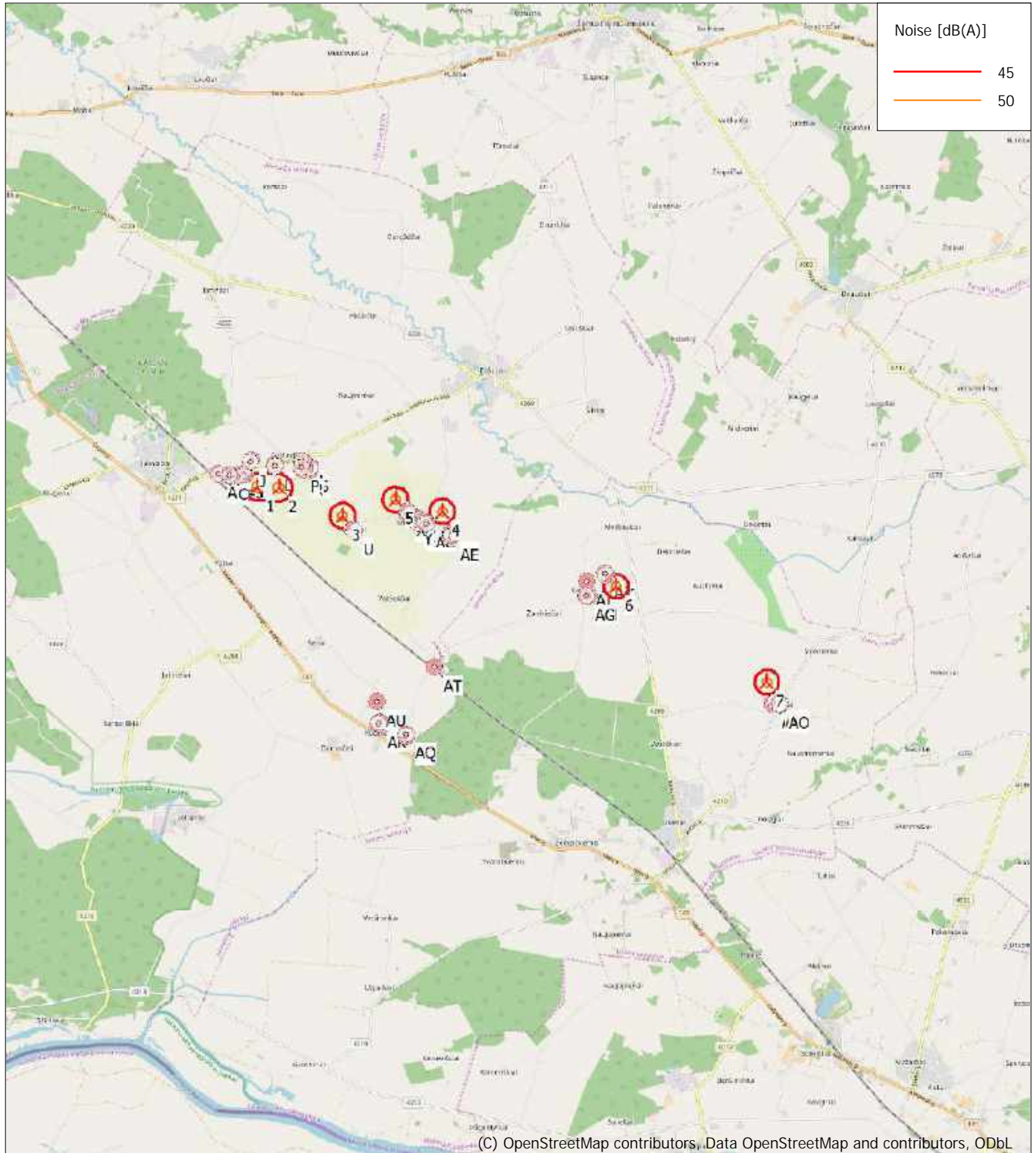
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usenō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:100.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.368 North: 6.128.575

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s
Height above sea level from active line object

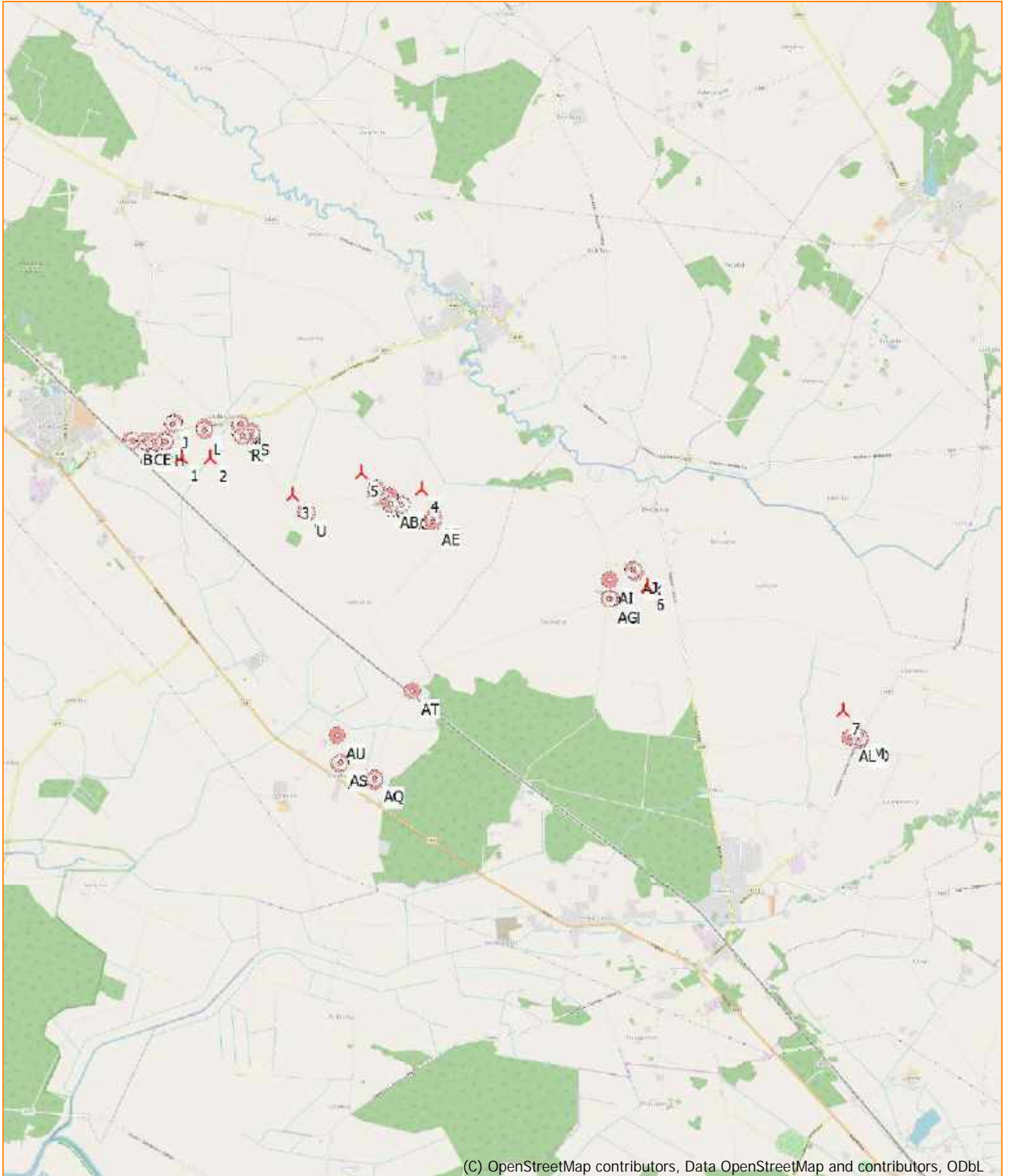
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437
New WTG Noise sensitive area

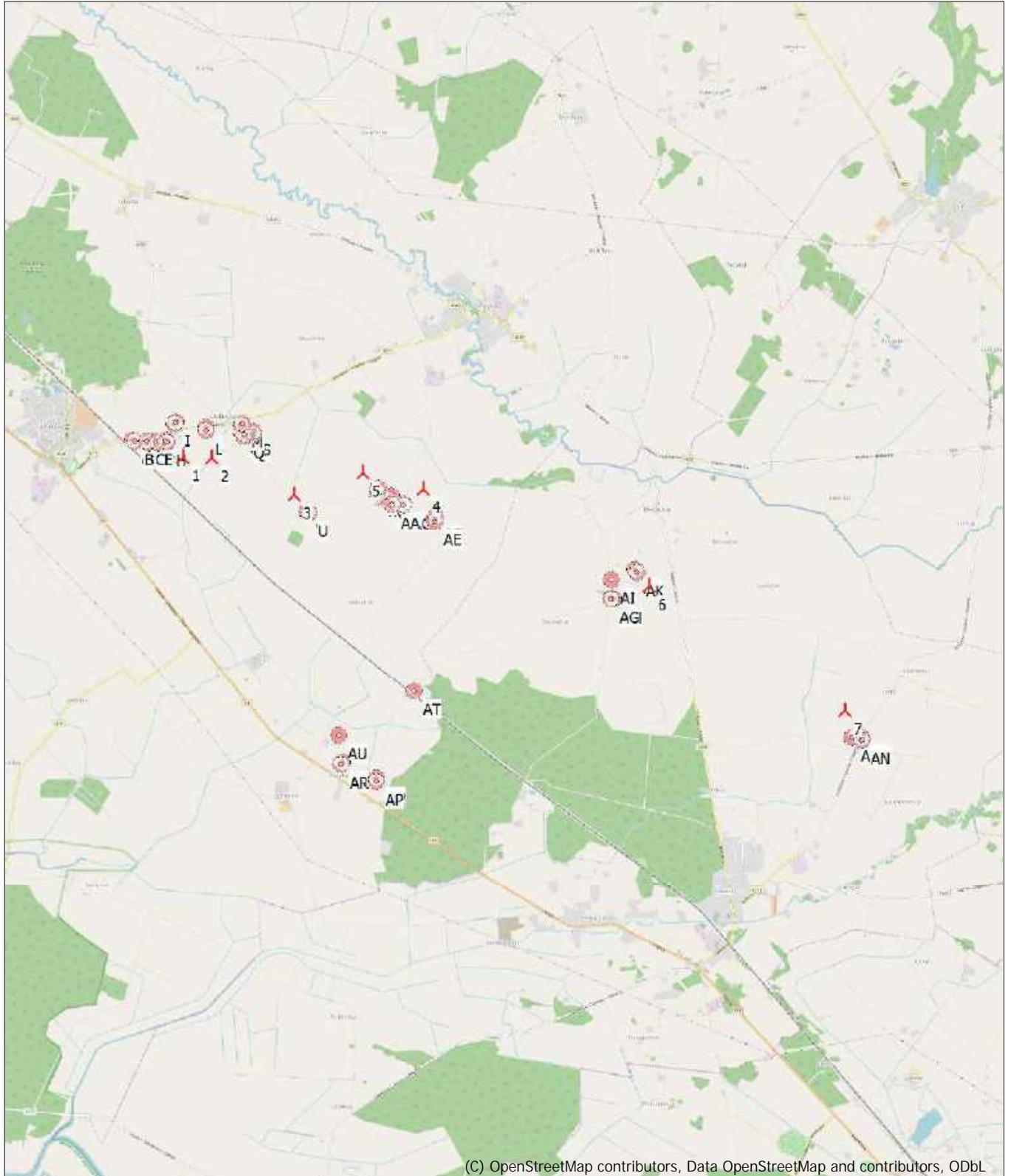
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437
New WTG Noise sensitive area

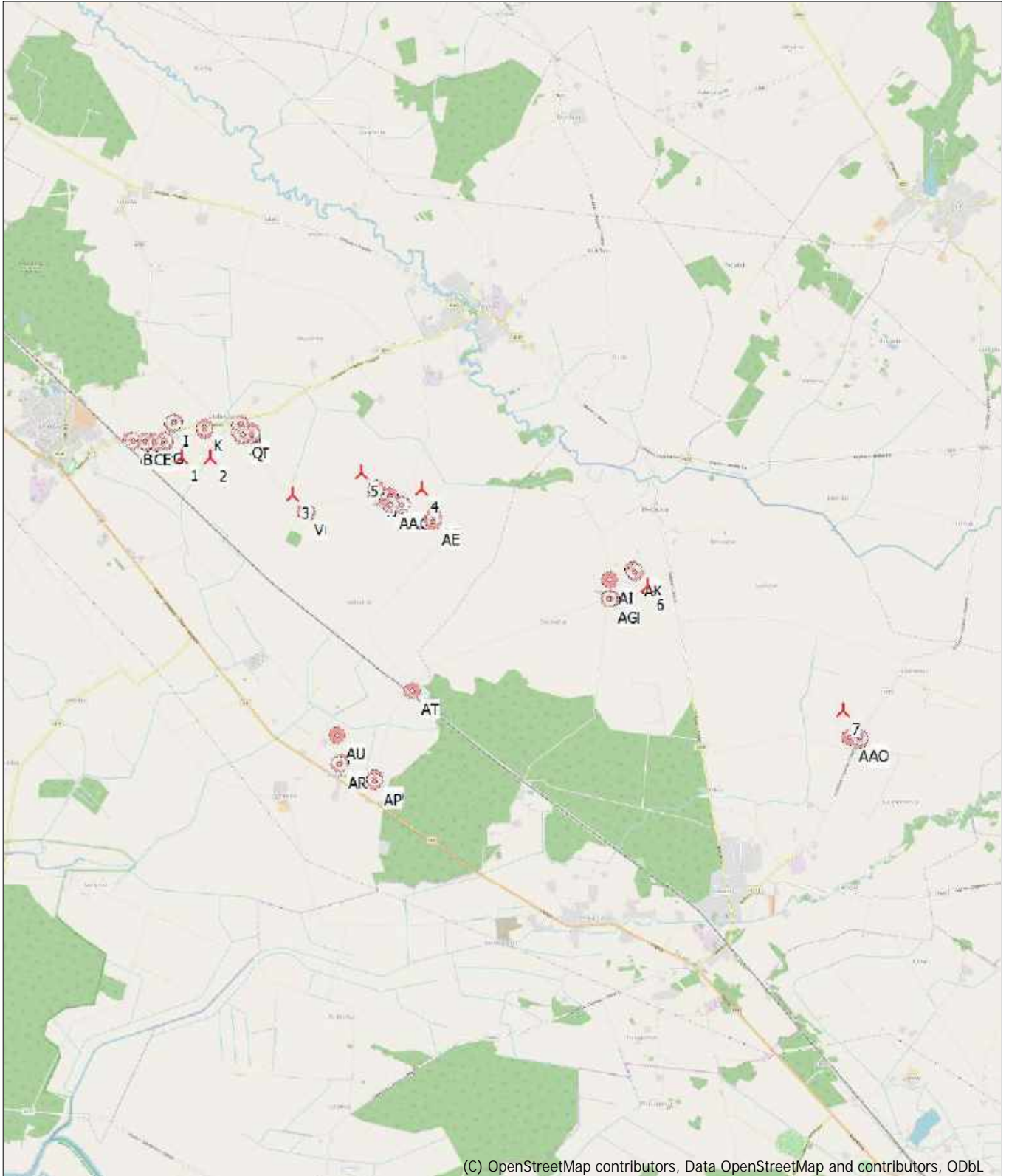
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:10/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.143 North: 6.128.437
New WTG Noise sensitive area

Project:
8 VE Ėilutės r. triukšomas

Description:
Aðtuoniø vėjo elektrinių (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kùgeliø, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Main Result

Calculation: Foninės VE

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):
10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:
0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs

Y	X	Z	Row data/Description	WTG type Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data Creator	Name	Wind speed [m/s]	Status	LwA,ref [dB(A)]
1	349.769	6.127.272	10,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
2	350.063	6.126.861	10,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
3	350.378	6.127.132	10,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
4	353.077	6.129.802	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
5	353.433	6.129.747	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
6	353.187	6.129.451	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
7	353.940	6.127.269	12,9 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
8	354.220	6.126.961	11,8 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
9	354.072	6.126.642	10,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
10	356.502	6.127.510	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
11	356.340	6.126.996	18,6 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
12	356.345	6.126.632	16,9 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
13	356.894	6.127.642	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
14	356.763	6.127.201	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
15	356.962	6.125.361	14,6 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
16	357.576	6.125.978	18,1 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
17	358.296	6.126.693	20,0 GE WIND ENERGY GE 2.5-120 25...No	GE	WIND ENERGY	GE 2.5-120-2.500	2.500	120,0	110,0	EMD	Level 0 - Calculated - NO - 05-2015	10,0	Interpolated	106,0 g
18	347.893	6.130.110	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
19	348.159	6.129.855	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
20	348.376	6.129.641	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
21	348.530	6.130.045	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
22	348.792	6.130.399	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
23	349.611	6.130.212	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
24	350.073	6.130.387	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
25	351.242	6.130.311	13,9 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
26	351.581	6.129.780	17,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
27	350.979	6.126.820	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
28	353.612	6.127.037	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
29	354.438	6.127.441	17,5 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	80,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
30	353.861	6.129.449	20,0 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
31	348.643	6.128.817	10,0 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
32	352.272	6.128.320	14,6 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
33	351.676	6.128.135	10,0 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
34	351.495	6.128.640	11,8 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
35	349.475	6.130.849	10,0 GE WIND ENERGY 5.3-158 Thrust...No	GE	WIND ENERGY	5.3-158 Thrust 700-5.300	5.300	158,0	149,0	EMD	5.3-158 NO	10,0	Interpolated	106,0 g
36	357.043	6.126.794	20,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	144,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
37	348.872	6.129.782	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	144,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
38	348.589	6.129.372	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	144,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
39	348.873	6.129.055	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	144,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h
40	349.068	6.129.458	10,0 NORDEX N131/3000 3000 131.0 I...Yes	NORDEX		N131/3000-3.000	3.000	131,0	144,0	EMD	Mode 0 - 104.5 dB(A) - R00	10,0	From other hub height	104,5 h

Calculation Results

Sound level

Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]	Distance to noise demand [m]	Demands fulfilled? Noise
A	Noise sensitive point: User defined (1)	347.290	6.130.678	10,0	1,5	45,0	35,1	608	Yes
B	Noise sensitive point: User defined (2)	347.334	6.130.657	10,0	1,5	45,0	35,6	561	Yes

To be continued on next page...



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000
* Existing WTG Noise sensitive area

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniō vĕjo elektriniō (Ģilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Main Result

Calculation: Foninēs VE

...continued from previous page

Noise sensitive area

No.	Name	Y	X	Z	Immission height	Demands Noise	Sound level From WTGs	Distance to noise demand	Demands fulfilled ? Noise
				[m]	[m]	[dB(A)]	[dB(A)]	[m]	
C	Noise sensitive point: User defined (4)	347.483	6.130.653	10,7	1,5	45,0	36,7	460	Yes
D	Noise sensitive point: User defined (5)	347.505	6.130.613	10,4	1,5	45,0	37,2	415	Yes
E	Noise sensitive point: User defined (6)	347.592	6.130.646	10,8	1,5	45,0	37,6	395	Yes
F	Noise sensitive point: User defined (7)	347.637	6.130.618	10,6	1,5	45,0	38,2	348	Yes
G	Noise sensitive point: User defined (8)	347.734	6.130.663	11,0	1,5	45,0	38,4	350	Yes
H	Noise sensitive point: User defined (9)	347.757	6.130.635	10,8	1,5	45,0	38,8	317	Yes
I	Noise sensitive point: User defined (11)	347.883	6.130.901	13,1	1,5	45,0	36,9	558	Yes
J	Noise sensitive point: User defined (12)	347.866	6.130.871	12,8	1,5	45,0	37,0	529	Yes
K	Noise sensitive point: User defined (13)	348.287	6.130.811	10,0	1,5	45,0	39,2	409	Yes
L	Noise sensitive point: User defined (14)	348.284	6.130.768	10,0	1,5	45,0	39,6	382	Yes
M	Noise sensitive point: User defined (15)	348.782	6.130.851	10,0	1,5	45,0	41,0	217	Yes
N	Noise sensitive point: User defined (16)	348.759	6.130.812	10,0	1,5	45,0	41,4	181	Yes
O	Noise sensitive point: User defined (17)	348.756	6.130.753	10,0	1,5	45,0	42,3	123	Yes
P	Noise sensitive point: User defined (18)	348.753	6.130.737	10,0	1,5	45,0	42,6	107	Yes
Q	Noise sensitive point: User defined (19)	348.810	6.130.701	10,0	1,5	45,0	43,4	66	Yes
R	Noise sensitive point: User defined (20)	348.790	6.130.676	10,0	1,5	45,0	43,9	42	Yes
S	Noise sensitive point: User defined (21)	348.913	6.130.737	10,0	1,5	45,0	42,7	119	Yes
T	Noise sensitive point: User defined (22)	348.911	6.130.694	10,0	1,5	45,0	43,4	77	Yes
U	Noise sensitive point: User defined (23)	349.644	6.129.613	10,0	1,5	45,0	40,9	359	Yes
V	Noise sensitive point: User defined (24)	349.607	6.129.632	10,0	1,5	45,0	41,2	328	Yes
W	Noise sensitive point: User defined (25)	350.562	6.129.862	10,9	1,5	45,0	38,3	499	Yes
X	Noise sensitive point: User defined (26)	350.576	6.129.919	10,8	1,5	45,0	38,5	469	Yes
Y	Noise sensitive point: User defined (27)	350.707	6.129.756	12,0	1,5	45,0	38,0	559	Yes
Z	Noise sensitive point: User defined (28)	350.748	6.129.803	12,1	1,5	45,0	38,2	497	Yes
AA	Noise sensitive point: User defined (29)	350.753	6.129.689	12,4	1,5	45,0	37,9	580	Yes
AB	Noise sensitive point: User defined (30)	350.767	6.129.705	12,4	1,5	45,0	38,0	558	Yes
AC	Noise sensitive point: User defined (31)	350.909	6.129.675	13,3	1,5	45,0	38,5	463	Yes
AD	Noise sensitive point: User defined (32)	350.909	6.129.692	13,3	1,5	45,0	38,5	461	Yes
AE	Noise sensitive point: User defined (33)	351.332	6.129.441	16,3	1,5	45,0	40,5	214	Yes
AF	Noise sensitive point: User defined (34)	351.339	6.129.512	16,2	1,5	45,0	41,4	150	Yes
AG	Noise sensitive point: User defined (35)	353.662	6.128.322	20,0	1,5	45,0	37,3	813	Yes
AH	Noise sensitive point: User defined (36)	353.705	6.128.318	20,0	1,5	45,0	37,2	798	Yes
AI	Noise sensitive point: User defined (37)	353.678	6.128.582	20,0	1,5	45,0	37,7	648	Yes
AJ	Noise sensitive point: User defined (38)	353.996	6.128.697	20,0	1,5	45,0	37,6	534	Yes
AK	Noise sensitive point: User defined (39)	354.036	6.128.668	20,0	1,5	45,0	37,4	572	Yes
AL	Noise sensitive point: User defined (40)	356.862	6.126.349	19,7	1,5	45,0	41,9	255	Yes
AM	Noise sensitive point: User defined (41)	356.927	6.126.381	20,0	1,5	45,0	42,1	210	Yes
AN	Noise sensitive point: User defined (42)	356.986	6.126.313	20,0	1,5	45,0	41,5	266	Yes
AO	Noise sensitive point: User defined (43)	356.996	6.126.345	20,0	1,5	45,0	41,8	234	Yes
AP	Noise sensitive point: User defined (48)	350.424	6.125.973	10,0	1,5	45,0	35,3	703	Yes
AQ	Noise sensitive point: User defined (49)	350.424	6.126.015	10,0	1,5	45,0	35,7	663	Yes
AR	Noise sensitive point: User defined (50)	349.947	6.126.215	10,0	1,5	45,0	37,6	406	Yes
AS	Noise sensitive point: User defined (51)	349.979	6.126.256	10,0	1,5	45,0	38,2	359	Yes
AT	Noise sensitive point: User defined (52)	350.962	6.127.173	10,0	1,5	45,0	42,1	136	Yes
AU	Noise sensitive point: User defined (53)	349.928	6.126.609	10,0	1,5	45,0	44,0	37	Yes

Distances (m)

NSA	WTG																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	4211	4716	4700	5850	6210	6021	7469	7860	7889	9737	9766	9913	10068	10086	11032	11304	11700	828	1196	1501	1392	1527
B	4168	4673	4655	5803	6163	5973	7420	7811	7840	9688	9717	9864	10019	10038	10983	11255	11651	781	1150	1454	1342	1480
C	4079	4584	4556	5656	6016	5827	7287	7679	7710	9547	9578	9727	9877	9897	10851	11118	11510	680	1045	1349	1210	1333
D	4034	4539	4511	5628	5988	5797	7249	7640	7671	9513	9542	9691	9843	9862	10813	11081	11476	635	1001	1305	1171	1304
E	4014	4518	4482	5547	5907	5719	7187	7580	7614	9442	9475	9625	9771	9792	10753	11016	11406	614	973	1274	1114	1225
F	3966	4470	4433	5498	5858	5669	7134	7527	7561	9390	9422	9573	9719	9740	10700	10964	11354	569	924	1224	1061	1175
G	3953	4457	4409	5409	5770	5584	7070	7465	7503	9314	9351	9504	9641	9666	10638	10895	11278	575	913	1206	1007	1090
H	3917	4421	4373	5382	5742	5555	7037	7431	7468	9282	9318	9471	9610	9634	10604	10863	11247	542	877	1170	972	1061
I	4088	4589	4518	5307	5666	5496	7059	7459	7510	9258	9311	9474	9578	9616	10631	10867	11226	791	1081	1352	1073	1038
J	4069	4570	4502	5317	5677	5505	7059	7457	7507	9263	9314	9475	9584	9620	10630	10868	11231	761	1057	1331	1059	1039
K	3835	4329	4230	4893	5252	5083	6668	7070	7127	8849	8907	9073	9168	9209	10240	10466	10818	804	964	1173	803	651
L	3797	4291	4194	4887	5247	5075	6648	7049	7105	8836	8891	9056	9156	9195	10220	10449	10805	765	921	1130	763	628

To be continued on next page...

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoņiō vĕjo elektriniō (Ģilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Main Result

Calculation: Foninēs VE

...continued from previous page

WTG																						
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
M	3711	4189	4045	4419	4778	4620	6277	6683	6757	8408	8481	8656	8720	8772	9847	10049	10378	1157	1174	1276	844	452
N	3680	4159	4019	4433	4792	4630	6274	6679	6751	8414	8483	8658	8727	8777	9845	10051	10384	1114	1129	1231	800	414
O	3624	4104	3966	4422	4782	4616	6243	6648	6717	8394	8460	8632	8709	8756	9815	10025	10363	1076	1078	1175	743	356
P	3609	4090	3953	4422	4781	4615	6237	6641	6710	8390	8455	8627	8706	8752	9808	10020	10360	1064	1063	1158	727	340
Q	3559	4038	3897	4359	4719	4550	6170	6574	6643	8324	8389	8560	8640	8686	9741	9953	10294	1090	1067	1145	713	303
R	3540	4020	3882	4373	4733	4562	6172	6576	6643	8333	8395	8565	8649	8694	9744	9959	10302	1060	1035	1114	682	277
S	3567	4041	3889	4266	4625	4461	6104	6510	6584	8243	8312	8486	8556	8606	9675	9880	10213	1197	1160	1220	791	359
T	3526	4001	3851	4259	4618	4451	6082	6487	6559	8228	8295	8468	8543	8590	9653	9861	10198	1173	1126	1181	752	318
U	2343	2782	2586	3437	3790	3545	4892	5287	5330	7170	7186	7331	7510	7513	8460	8721	9127	1819	1504	1268	1194	1159
V	2364	2807	2615	3473	3826	3583	4933	5328	5371	7211	7227	7372	7551	7554	8501	8763	9169	1779	1464	1230	1153	1119
W	2707	3041	2735	2515	2872	2656	4257	4667	4761	6386	6447	6621	6707	6745	7821	8014	8354	2679	2402	2196	2039	1849
X	2766	3099	2793	2503	2861	2651	4280	4691	4790	6394	6460	6637	6713	6755	7842	8030	8363	2689	2417	2216	2049	1847
Y	2654	2964	2643	2369	2725	2498	4077	4487	4583	6212	6270	6443	6535	6570	7641	7836	8180	2835	2549	2333	2195	2019
Z	2713	3019	2695	2328	2684	2463	4074	4485	4585	6191	6254	6430	6512	6551	7635	7823	8160	2870	2588	2376	2230	2044
AA	2608	2910	2583	2326	2679	2445	4000	4410	4504	6145	6199	6370	6470	6502	7565	7764	8113	2889	2598	2376	2250	2085
AB	2629	2929	2601	2311	2665	2432	3998	4409	4504	6138	6194	6366	6462	6495	7563	7759	8106	2901	2611	2391	2262	2092
AC	2658	2937	2597	2171	2524	2288	3868	4279	4380	5995	6053	6227	6318	6353	7430	7620	7963	3046	2755	2532	2407	2236
AD	2674	2953	2613	2170	2523	2290	3879	4290	4392	6001	6061	6235	6324	6359	7440	7628	7969	3043	2754	2532	2404	2231
AE	2672	2874	2497	1781	2122	1854	3392	3805	3915	5516	5571	5744	5843	5872	6950	7137	7483	3502	3198	2961	2865	2713
AF	2734	2941	2566	1761	2106	1848	3433	3846	3961	5535	5596	5773	5859	5893	6986	7166	7503	3496	3197	2964	2858	2696
AG	4030	3883	3491	1591	1443	1224	1089	1470	1729	2953	2987	3170	3301	3296	4432	4560	4910	6037	5710	5446	5411	5292
AH	4071	3921	3530	1611	1454	1245	1075	1451	1715	2910	2947	3131	3258	3254	4397	4521	4868	6079	5752	5488	5453	5333
AI	4121	4002	3603	1359	1190	998	1338	1708	1979	3019	3097	3302	3349	3379	4598	4686	4987	5981	5661	5404	5349	5211
AJ	4459	4338	3940	1437	1191	1105	1428	1750	2056	2772	2895	3126	3083	3144	4462	4494	4742	6262	5948	5696	5627	5473
AK	4488	4363	3966	1484	1236	1154	1402	1716	2025	2723	2846	3077	3035	3095	4414	4444	4694	6307	5993	5740	5673	5520
AL	7150	6815	6528	5121	4825	4807	3062	2711	2804	1215	831	589	1293	857	993	804	1474	9721	9378	9098	9111	9025
AM	7210	6878	6589	5148	4850	4837	3115	2767	2866	1206	850	634	1261	836	1020	764	1404	9769	9427	9147	9158	9069
AN	7277	6942	6656	5237	4939	4925	3191	2840	2931	1291	940	716	1332	915	952	678	1363	9850	9507	9227	9239	9152
AO	7283	6949	6662	5224	4924	4913	3191	2842	2938	1265	924	711	1300	887	984	686	1345	9847	9504	9225	9235	9147
AP	1454	958	1159	4656	4825	4440	3746	3921	3707	6267	6001	5955	6679	6454	6564	7149	7901	4848	4492	4199	4489	4715
AQ	1417	919	1117	4622	4792	4407	3731	3910	3700	6256	5994	5950	6669	6446	6568	7149	7898	4812	4456	4162	4451	4676
AR	1071	656	1013	4758	4960	4577	4128	4336	4145	6679	6438	6409	7089	6884	7064	7629	8359	4401	4054	3767	4082	4339
AS	1037	611	962	4707	4909	4526	4087	4297	4109	6640	6401	6374	7049	6846	7037	7599	8325	4380	4031	3744	4055	4308
AT	1197	951	585	3373	3567	3183	2978	3263	3154	5548	5379	5408	5948	5799	6265	6718	7347	4246	3878	3573	3762	3886
AU	681	286	690	4483	4702	4322	4064	4304	4142	6633	6421	6414	7039	6858	7141	7671	8365	4048	3695	3405	3708	3955

WTG																					
NSA	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40			
A	2366	2797	3967	4382	5335	7292	7843	6682	2300	5509	5068	4671	2191	10493	1817	1841	2266	2155			
B	2319	2751	3921	4334	5290	7243	7794	6634	2257	5460	5019	4622	2148	10444	1768	1795	2220	2107			
C	2172	2602	3773	4188	5185	7113	7657	6488	2171	5325	4889	4487	2001	10305	1639	1692	2117	1984			
D	2143	2577	3747	4158	5141	7074	7621	6459	2125	5287	4849	4449	1983	10270	1599	1647	2072	1943			
E	2064	2493	3664	4080	5107	7016	7556	6379	2108	5224	4792	4386	1893	10201	1544	1617	2042	1894			
F	2014	2446	3616	4030	5057	6963	7503	6330	2062	5171	4739	4334	1852	10149	1491	1567	1992	1841			
G	1930	2354	3524	3945	5027	6903	7435	6243	2057	5105	4681	4269	1750	10077	1439	1548	1970	1797			
H	1901	2328	3498	3917	4991	6869	7402	6215	2021	5072	4646	4235	1730	10045	1403	1512	1933	1761			
I	1860	2249	3409	3863	5120	6907	7409	6149	2217	5089	4692	4259	1592	10034	1493	1683	2094	1866			
J	1864	2258	3421	3870	5107	6905	7410	6159	2195	5089	4688	4258	1608	10037	1482	1663	2076	1854			
K	1453	1835	2996	3450	4812	6524	7011	5735	2025	4697	4316	3872	1188	9629	1183	1470	1850	1562			
L	1438	1828	2992	3440	4778	6502	6993	5728	1983	4677	4292	3850	1193	9614	1147	1428	1811	1526			
M	1046	1371	2517	2996	4589	6152	6601	5267	2038	4309	3967	3498	693	9199	1072	1491	1797	1421			
N	1042	1380	2532	3003	4566	6146	6601	5279	1997	4305	3957	3492	717	9203	1036	1449	1760	1388			
O	1011	1366	2524	2987	4516	6112	6574	5267	1938	4274	3920	3458	725	9180	977	1390	1701	1331			
P	1005	1365	2524	2984	4503	6105	6568	5266	1922	4267	3912	3450	730	9176	962	1374	1685	1317			
Q	938	1301	2462	2919	4444	6038	6502	5202	1891	4200	3846	3384	681	9109	921	1347	1647	1269			
R	943	1315	2478	2930	4432	6038	6506	5215	1864	4202	3843	3384	706	9116	897	1319	1622	1249			
S	873	1211	2366	2833	4426	5978	6430	5110	1938	4136	3793	3325	573	9032	955	1402	1682	1288			
T	850	1201	2361	2821	4389	5953	6410	5102	1895	4113	3766	3299	585	9015	912	1360	1639	1245			
U	600	885	1743	1943	3094	4729	5261	4218	1278	2928	2512	2090	1247	7914	790	1082	951	596			
V	580	887	1770	1979	3127	4770	5302	4256	1262	2969	2553	2132	1224	7956	750	1050	933	566			
W	1013	717	814	1022	3069	4155	4568	3323	2184	2302	2054	1537	1468	7167	1691	2032	1871	1547			
X	1008	687	772	1014	3124																

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniĢ vĕjo elektriniĢ (Ģilutēs raj. sav. UsēnĢ ir JuknaiēiĢ sen.: KavoliĢ, StremeniĢ, KūgeliĢ, OkslindpiĢ, SkieriĢ bei MenklaukiĢ kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Main Result

Calculation: Foninēs VE

...continued from previous page

	WTG																	
NSA	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
AC	1404	1098	718	680	2855	3775	4175	2959	2422	1921	1720	1189	1852	6774	2039	2339	2127	1853
AD	1398	1087	703	677	2872	3787	4184	2961	2428	1933	1735	1204	1842	6781	2038	2341	2132	1855
AE	1885	1574	874	420	2643	3312	3693	2528	2759	1462	1350	817	2329	6292	2482	2743	2488	2263
AF	1864	1538	805	361	2715	3359	3726	2522	2783	1513	1417	885	2293	6316	2481	2752	2507	2271
AG	4468	4139	3131	2540	3073	1285	1174	1144	5041	1389	1994	2189	4888	3709	5005	5178	4843	4730
AH	4509	4178	3167	2577	3109	1284	1142	1141	5084	1432	2036	2232	4927	3668	5048	5221	4886	4773
AI	4380	4030	2986	2414	3222	1546	1370	886	5038	1430	2050	2183	4773	3809	4951	5148	4826	4690
AJ	4637	4270	3191	2646	3552	1703	1331	764	5352	1764	2386	2501	5005	3591	5235	5447	5133	4984
AK	4685	4318	3240	2694	3571	1684	1291	800	5393	1797	2418	2540	5053	3542	5280	5490	5175	5028
AL	8212	7896	6873	6295	5899	3321	2657	4313	8578	4993	5483	5833	8646	480	8692	8804	8431	8387
AM	8255	7935	6908	6332	5962	3378	2704	4336	8631	5041	5534	5880	8685	429	8740	8854	8483	8436
AN	8339	8021	6995	6419	6026	3449	2785	4425	8707	5121	5611	5961	8771	484	8821	8933	8560	8516
AO	8333	8013	6985	6410	6033	3453	2782	4410	8707	5118	5611	5958	8763	451	8817	8931	8559	8514
AP	4314	4426	4412	3977	1012	3359	4272	4886	3354	2986	2497	2873	4965	6667	4111	3861	3449	3738
AQ	4273	4384	4371	3937	977	3346	4258	4856	3319	2953	2461	2834	4924	6662	4072	3824	3411	3699
AR	4009	4172	4294	3920	1196	3754	4653	5075	2909	3135	2583	2876	4656	7116	3724	3435	3035	3358
AS	3971	4130	4245	3869	1148	3714	4612	5024	2887	3084	2531	2824	4618	7081	3694	3410	3008	3328
AT	3324	3333	3149	2678	353	2652	3485	3684	2841	1740	1197	1560	3964	6090	3341	3234	2810	2967
AU	3615	3779	3927	3574	1071	3707	4584	4849	2554	2901	2319	2564	4262	7114	3343	3069	2663	2975

Project:
8 VE Ģilutēs r.triukōmas

Description:
AĢtuoniō vĕjo elektriniō (Ģilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Assumptions

Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: User defined (1)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.211	4.212	11,89	106,0	0,00	83,49	-	-	0,00	0,00	-
10	9.737	9.738	1,22	106,0	0,00	90,77	-	-	0,00	0,00	-
11	9.766	9.767	1,18	106,0	0,00	90,79	-	-	0,00	0,00	-
12	9.913	9.914	1,00	106,0	0,00	90,93	-	-	0,00	0,00	-
13	10.068	10.069	0,81	106,0	0,00	91,06	-	-	0,00	0,00	-
14	10.086	10.087	0,78	106,0	0,00	91,08	-	-	0,00	0,00	-
15	11.032	11.033	-0,32	106,0	0,00	91,85	-	-	0,00	0,00	-
16	11.304	11.305	-0,62	106,0	0,00	92,07	-	-	0,00	0,00	-
17	11.700	11.701	-1,04	106,0	0,00	92,36	-	-	0,00	0,00	-
18	828	832	30,62	104,5	0,00	69,40	-	-	0,00	0,00	-
19	1.196	1.199	26,45	104,5	0,00	72,58	-	-	0,00	0,00	-
2	4.716	4.717	10,42	106,0	0,00	84,47	-	-	0,00	0,00	-
20	1.501	1.503	23,79	104,5	0,00	74,54	-	-	0,00	0,00	-
21	1.392	1.394	24,68	104,5	0,00	73,88	-	-	0,00	0,00	-
22	1.527	1.529	23,58	104,5	0,00	74,69	-	-	0,00	0,00	-
23	2.366	2.368	18,21	104,5	0,00	78,49	-	-	0,00	0,00	-
24	2.797	2.798	16,21	104,5	0,00	79,94	-	-	0,00	0,00	-
25	3.967	3.968	12,04	104,5	0,00	82,97	-	-	0,00	0,00	-
26	4.382	4.383	10,84	104,5	0,00	83,83	-	-	0,00	0,00	-
27	5.335	5.336	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
28	7.292	7.293	4,84	104,5	0,00	88,26	-	-	0,00	0,00	-
29	7.843	7.844	4,01	104,5	0,00	88,89	-	-	0,00	0,00	-
3	4.700	4.701	10,47	106,0	0,00	84,44	-	-	0,00	0,00	-
30	6.682	6.684	6,82	106,0	0,00	87,50	-	-	0,00	0,00	-
31	2.300	2.305	20,05	106,0	0,00	78,25	-	-	0,00	0,00	-
32	5.509	5.511	9,03	106,0	0,00	85,83	-	-	0,00	0,00	-
33	5.068	5.070	10,01	106,0	0,00	85,10	-	-	0,00	0,00	-
34	4.671	4.673	10,96	106,0	0,00	84,39	-	-	0,00	0,00	-
35	2.191	2.196	20,66	106,0	0,00	77,83	-	-	0,00	0,00	-
36	10.493	10.494	0,31	104,5	0,00	91,42	-	-	0,00	0,00	-
37	1.817	1.823	21,46	104,5	0,00	76,22	-	-	0,00	0,00	-
38	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
39	2.266	2.271	18,73	104,5	0,00	78,12	-	-	0,00	0,00	-
4	5.850	5.851	7,65	106,0	0,00	86,35	-	-	0,00	0,00	-
40	2.155	2.160	19,36	104,5	0,00	77,69	-	-	0,00	0,00	-
5	6.210	6.211	6,88	106,0	0,00	86,86	-	-	0,00	0,00	-
6	6.021	6.022	7,28	106,0	0,00	86,59	-	-	0,00	0,00	-
7	7.469	7.470	4,53	106,0	0,00	88,47	-	-	0,00	0,00	-
8	7.860	7.861	3,89	106,0	0,00	88,91	-	-	0,00	0,00	-
9	7.889	7.889	3,85	106,0	0,00	88,94	-	-	0,00	0,00	-
Sum			35,14								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijy k. 3, Biruliskiyy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: B Noise sensitive point: User defined (2)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.168	4.169	12,02	106,0	0,00	83,40	-	-	0,00	0,00	-
10	9.688	9.689	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
11	9.717	9.718	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
12	9.864	9.865	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
13	10.019	10.020	0,87	106,0	0,00	91,02	-	-	0,00	0,00	-
14	10.038	10.038	0,84	106,0	0,00	91,03	-	-	0,00	0,00	-
15	10.983	10.984	-0,26	106,0	0,00	91,82	-	-	0,00	0,00	-
16	11.255	11.255	-0,56	106,0	0,00	92,03	-	-	0,00	0,00	-
17	11.651	11.652	-0,99	106,0	0,00	92,33	-	-	0,00	0,00	-
18	781	785	31,25	104,5	0,00	68,90	-	-	0,00	0,00	-
19	1.150	1.152	26,91	104,5	0,00	72,23	-	-	0,00	0,00	-
2	4.673	4.674	10,54	106,0	0,00	84,39	-	-	0,00	0,00	-
20	1.454	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
21	1.342	1.345	25,11	104,5	0,00	73,57	-	-	0,00	0,00	-
22	1.480	1.482	23,96	104,5	0,00	74,41	-	-	0,00	0,00	-
23	2.319	2.320	18,46	104,5	0,00	78,31	-	-	0,00	0,00	-
24	2.751	2.752	16,41	104,5	0,00	79,79	-	-	0,00	0,00	-
25	3.921	3.922	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
26	4.334	4.335	10,97	104,5	0,00	83,74	-	-	0,00	0,00	-
27	5.290	5.290	8,60	104,5	0,00	85,47	-	-	0,00	0,00	-
28	7.243	7.244	4,92	104,5	0,00	88,20	-	-	0,00	0,00	-
29	7.794	7.795	4,08	104,5	0,00	88,84	-	-	0,00	0,00	-
3	4.655	4.656	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
30	6.634	6.636	6,90	106,0	0,00	87,44	-	-	0,00	0,00	-
31	2.257	2.262	20,29	106,0	0,00	78,09	-	-	0,00	0,00	-
32	5.460	5.462	9,14	106,0	0,00	85,75	-	-	0,00	0,00	-
33	5.019	5.021	10,12	106,0	0,00	85,02	-	-	0,00	0,00	-
34	4.622	4.624	11,08	106,0	0,00	84,30	-	-	0,00	0,00	-
35	2.148	2.153	20,90	106,0	0,00	77,66	-	-	0,00	0,00	-
36	10.444	10.445	0,36	104,5	0,00	91,38	-	-	0,00	0,00	-
37	1.768	1.774	21,79	104,5	0,00	75,98	-	-	0,00	0,00	-
38	1.795	1.801	21,61	104,5	0,00	76,11	-	-	0,00	0,00	-
39	2.220	2.225	18,99	104,5	0,00	77,95	-	-	0,00	0,00	-
4	5.803	5.804	7,75	106,0	0,00	86,28	-	-	0,00	0,00	-
40	2.107	2.112	19,64	104,5	0,00	77,49	-	-	0,00	0,00	-
5	6.163	6.164	6,98	106,0	0,00	86,80	-	-	0,00	0,00	-
6	5.973	5.974	7,38	106,0	0,00	86,53	-	-	0,00	0,00	-
7	7.420	7.421	4,62	106,0	0,00	88,41	-	-	0,00	0,00	-
8	7.811	7.812	3,97	106,0	0,00	88,86	-	-	0,00	0,00	-
9	7.840	7.840	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
Sum			35,59								

- Data undefined due to calculation with octave data

Noise sensitive area: C Noise sensitive point: User defined (4)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.079	4.081	12,29	106,0	0,00	83,21	-	-	0,00	0,00	-
10	9.547	9.547	1,46	106,0	0,00	90,60	-	-	0,00	0,00	-
11	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
12	9.727	9.728	1,23	106,0	0,00	90,76	-	-	0,00	0,00	-
13	9.877	9.877	1,04	106,0	0,00	90,89	-	-	0,00	0,00	-
14	9.897	9.898	1,02	106,0	0,00	90,91	-	-	0,00	0,00	-
15	10.851	10.852	-0,12	106,0	0,00	91,71	-	-	0,00	0,00	-
16	11.118	11.119	-0,41	106,0	0,00	91,92	-	-	0,00	0,00	-
17	11.510	11.511	-0,84	106,0	0,00	92,22	-	-	0,00	0,00	-
18	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
19	1.045	1.048	28,00	104,5	0,00	71,41	-	-	0,00	0,00	-
2	4.584	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
20	1.349	1.351	25,05	104,5	0,00	73,61	-	-	0,00	0,00	-
21	1.210	1.213	26,32	104,5	0,00	72,67	-	-	0,00	0,00	-
22	1.333	1.335	25,19	104,5	0,00	73,51	-	-	0,00	0,00	-

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Project:

8 VE Ėilutės r. triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	2.172	2.174	19,28	104,5	0,00	77,74	-	-	0,00	0,00	-
24	2.602	2.604	17,06	104,5	0,00	79,31	-	-	0,00	0,00	-
25	3.773	3.774	12,64	104,5	0,00	82,54	-	-	0,00	0,00	-
26	4.188	4.189	11,38	104,5	0,00	83,44	-	-	0,00	0,00	-
27	5.185	5.186	8,83	104,5	0,00	85,30	-	-	0,00	0,00	-
28	7.113	7.113	5,13	104,5	0,00	88,04	-	-	0,00	0,00	-
29	7.657	7.658	4,28	104,5	0,00	88,68	-	-	0,00	0,00	-
3	4.556	4.558	10,87	106,0	0,00	84,17	-	-	0,00	0,00	-
30	6.488	6.490	7,16	106,0	0,00	87,24	-	-	0,00	0,00	-
31	2.171	2.176	20,77	106,0	0,00	77,75	-	-	0,00	0,00	-
32	5.325	5.327	9,43	106,0	0,00	85,53	-	-	0,00	0,00	-
33	4.889	4.891	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
34	4.487	4.489	11,44	106,0	0,00	84,04	-	-	0,00	0,00	-
35	2.001	2.006	21,78	106,0	0,00	77,05	-	-	0,00	0,00	-
36	10.305	10.306	0,51	104,5	0,00	91,26	-	-	0,00	0,00	-
37	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
38	1.692	1.698	22,32	104,5	0,00	75,60	-	-	0,00	0,00	-
39	2.117	2.122	19,58	104,5	0,00	77,53	-	-	0,00	0,00	-
4	5.656	5.657	8,08	106,0	0,00	86,05	-	-	0,00	0,00	-
40	1.984	1.989	20,38	104,5	0,00	76,97	-	-	0,00	0,00	-
5	6.016	6.017	7,29	106,0	0,00	86,59	-	-	0,00	0,00	-
6	5.827	5.828	7,70	106,0	0,00	86,31	-	-	0,00	0,00	-
7	7.287	7.288	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
8	7.679	7.680	4,18	106,0	0,00	88,71	-	-	0,00	0,00	-
9	7.710	7.711	4,13	106,0	0,00	88,74	-	-	0,00	0,00	-
Sum			36,75								

- Data undefined due to calculation with octave data

Noise sensitive area: D Noise sensitive point: User defined (5)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.034	4.035	12,44	106,0	0,00	83,12	-	-	0,00	0,00	-
10	9.513	9.514	1,51	106,0	0,00	90,57	-	-	0,00	0,00	-
11	9.542	9.543	1,47	106,0	0,00	90,59	-	-	0,00	0,00	-
12	9.691	9.691	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
13	9.843	9.844	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
14	9.862	9.863	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
15	10.813	10.813	-0,07	106,0	0,00	91,68	-	-	0,00	0,00	-
16	11.081	11.082	-0,37	106,0	0,00	91,89	-	-	0,00	0,00	-
17	11.476	11.476	-0,80	106,0	0,00	92,20	-	-	0,00	0,00	-
18	635	640	33,51	104,5	0,00	67,12	-	-	0,00	0,00	-
19	1.001	1.004	28,49	104,5	0,00	71,03	-	-	0,00	0,00	-
2	4.539	4.540	10,92	106,0	0,00	84,14	-	-	0,00	0,00	-
20	1.305	1.307	25,44	104,5	0,00	73,32	-	-	0,00	0,00	-
21	1.171	1.174	26,69	104,5	0,00	72,39	-	-	0,00	0,00	-
22	1.304	1.306	25,45	104,5	0,00	73,32	-	-	0,00	0,00	-
23	2.143	2.144	19,45	104,5	0,00	77,63	-	-	0,00	0,00	-
24	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
25	3.747	3.748	12,72	104,5	0,00	82,48	-	-	0,00	0,00	-
26	4.158	4.159	11,47	104,5	0,00	83,38	-	-	0,00	0,00	-
27	5.141	5.142	8,94	104,5	0,00	85,22	-	-	0,00	0,00	-
28	7.074	7.074	5,20	104,5	0,00	87,99	-	-	0,00	0,00	-
29	7.621	7.621	4,34	104,5	0,00	88,64	-	-	0,00	0,00	-
3	4.511	4.513	11,00	106,0	0,00	84,09	-	-	0,00	0,00	-
30	6.459	6.461	7,21	106,0	0,00	87,21	-	-	0,00	0,00	-
31	2.125	2.130	21,04	106,0	0,00	77,57	-	-	0,00	0,00	-
32	5.287	5.290	9,51	106,0	0,00	85,47	-	-	0,00	0,00	-
33	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
34	4.449	4.452	11,55	106,0	0,00	83,97	-	-	0,00	0,00	-
35	1.983	1.989	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
36	10.270	10.271	0,55	104,5	0,00	91,23	-	-	0,00	0,00	-
37	1.599	1.605	23,00	104,5	0,00	75,11	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	1.647	1.653	22,64	104,5	0,00	75,37	-	-	0,00	0,00	-
39	2.072	2.077	19,84	104,5	0,00	77,35	-	-	0,00	0,00	-
4	5.628	5.629	8,14	106,0	0,00	86,01	-	-	0,00	0,00	-
40	1.943	1.948	20,64	104,5	0,00	76,79	-	-	0,00	0,00	-
5	5.988	5.989	7,35	106,0	0,00	86,55	-	-	0,00	0,00	-
6	5.797	5.798	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
7	7.249	7.250	4,91	106,0	0,00	88,21	-	-	0,00	0,00	-
8	7.640	7.641	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
9	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-
Sum			37,24								

- Data undefined due to calculation with octave data

Noise sensitive area: E Noise sensitive point: User defined (6)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.014	4.015	12,50	106,0	0,00	83,07	-	-	0,00	0,00	-
10	9.442	9.442	1,60	106,0	0,00	90,50	-	-	0,00	0,00	-
11	9.475	9.475	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
12	9.625	9.626	1,36	106,0	0,00	90,67	-	-	0,00	0,00	-
13	9.771	9.771	1,18	106,0	0,00	90,80	-	-	0,00	0,00	-
14	9.792	9.793	1,15	106,0	0,00	90,82	-	-	0,00	0,00	-
15	10.753	10.754	0,00	106,0	0,00	91,63	-	-	0,00	0,00	-
16	11.016	11.017	-0,30	106,0	0,00	91,84	-	-	0,00	0,00	-
17	11.406	11.406	-0,73	106,0	0,00	92,14	-	-	0,00	0,00	-
18	614	619	33,86	104,5	0,00	66,84	-	-	0,00	0,00	-
19	973	976	28,81	104,5	0,00	70,79	-	-	0,00	0,00	-
2	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
20	1.274	1.276	25,72	104,5	0,00	73,12	-	-	0,00	0,00	-
21	1.114	1.116	27,28	104,5	0,00	71,95	-	-	0,00	0,00	-
22	1.225	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
23	2.064	2.066	19,91	104,5	0,00	77,30	-	-	0,00	0,00	-
24	2.493	2.495	17,56	104,5	0,00	78,94	-	-	0,00	0,00	-
25	3.664	3.665	12,99	104,5	0,00	82,28	-	-	0,00	0,00	-
26	4.080	4.081	11,70	104,5	0,00	83,22	-	-	0,00	0,00	-
27	5.107	5.108	9,01	104,5	0,00	85,17	-	-	0,00	0,00	-
28	7.016	7.016	5,29	104,5	0,00	87,92	-	-	0,00	0,00	-
29	7.556	7.556	4,44	104,5	0,00	88,57	-	-	0,00	0,00	-
3	4.482	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
30	6.379	6.381	7,35	106,0	0,00	87,10	-	-	0,00	0,00	-
31	2.108	2.114	21,13	106,0	0,00	77,50	-	-	0,00	0,00	-
32	5.224	5.226	9,65	106,0	0,00	85,36	-	-	0,00	0,00	-
33	4.792	4.794	10,66	106,0	0,00	84,61	-	-	0,00	0,00	-
34	4.386	4.389	11,73	106,0	0,00	83,85	-	-	0,00	0,00	-
35	1.893	1.899	22,46	106,0	0,00	76,57	-	-	0,00	0,00	-
36	10.201	10.202	0,62	104,5	0,00	91,17	-	-	0,00	0,00	-
37	1.544	1.550	23,42	104,5	0,00	74,81	-	-	0,00	0,00	-
38	1.617	1.623	22,87	104,5	0,00	75,21	-	-	0,00	0,00	-
39	2.042	2.047	20,03	104,5	0,00	77,22	-	-	0,00	0,00	-
4	5.547	5.548	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
40	1.894	1.899	20,95	104,5	0,00	76,57	-	-	0,00	0,00	-
5	5.907	5.908	7,52	106,0	0,00	86,43	-	-	0,00	0,00	-
6	5.719	5.720	7,94	106,0	0,00	86,15	-	-	0,00	0,00	-
7	7.187	7.188	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
8	7.580	7.581	4,35	106,0	0,00	88,59	-	-	0,00	0,00	-
9	7.614	7.615	4,29	106,0	0,00	88,63	-	-	0,00	0,00	-
Sum			37,62								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpio, Skierio bei Menklaukio kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: F Noise sensitive point: User defined (7)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
10	9.390	9.391	1,67	106,0	0,00	90,45	-	-	0,00	0,00	-
11	9.422	9.423	1,63	106,0	0,00	90,48	-	-	0,00	0,00	-
12	9.573	9.573	1,43	106,0	0,00	90,62	-	-	0,00	0,00	-
13	9.719	9.720	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
14	9.740	9.741	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
15	10.700	10.701	0,06	106,0	0,00	91,59	-	-	0,00	0,00	-
16	10.964	10.964	-0,24	106,0	0,00	91,80	-	-	0,00	0,00	-
17	11.354	11.354	-0,67	106,0	0,00	92,10	-	-	0,00	0,00	-
18	569	574	34,68	104,5	0,00	66,18	-	-	0,00	0,00	-
19	924	927	29,39	104,5	0,00	70,34	-	-	0,00	0,00	-
2	4.470	4.471	11,11	106,0	0,00	84,01	-	-	0,00	0,00	-
20	1.224	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
21	1.061	1.063	27,83	104,5	0,00	71,53	-	-	0,00	0,00	-
22	1.175	1.178	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
23	2.014	2.016	20,22	104,5	0,00	77,09	-	-	0,00	0,00	-
24	2.446	2.447	17,79	104,5	0,00	78,77	-	-	0,00	0,00	-
25	3.616	3.617	13,15	104,5	0,00	82,17	-	-	0,00	0,00	-
26	4.030	4.031	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
27	5.057	5.057	9,13	104,5	0,00	85,08	-	-	0,00	0,00	-
28	6.963	6.963	5,38	104,5	0,00	87,86	-	-	0,00	0,00	-
29	7.503	7.504	4,52	104,5	0,00	88,51	-	-	0,00	0,00	-
3	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
30	6.330	6.332	7,44	106,0	0,00	87,03	-	-	0,00	0,00	-
31	2.062	2.067	21,41	106,0	0,00	77,31	-	-	0,00	0,00	-
32	5.171	5.173	9,77	106,0	0,00	85,28	-	-	0,00	0,00	-
33	4.739	4.741	10,79	106,0	0,00	84,52	-	-	0,00	0,00	-
34	4.334	4.336	11,89	106,0	0,00	83,74	-	-	0,00	0,00	-
35	1.852	1.857	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
36	10.149	10.150	0,68	104,5	0,00	91,13	-	-	0,00	0,00	-
37	1.491	1.497	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
38	1.567	1.574	23,24	104,5	0,00	74,94	-	-	0,00	0,00	-
39	1.992	1.997	20,34	104,5	0,00	77,01	-	-	0,00	0,00	-
4	5.498	5.500	8,44	106,0	0,00	85,81	-	-	0,00	0,00	-
40	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
5	5.858	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
6	5.669	5.670	8,05	106,0	0,00	86,07	-	-	0,00	0,00	-
7	7.134	7.135	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
8	7.527	7.528	4,44	106,0	0,00	88,53	-	-	0,00	0,00	-
9	7.561	7.562	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
Sum			38,23								

- Data undefined due to calculation with octave data

Noise sensitive area: G Noise sensitive point: User defined (8)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
10	9.314	9.314	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
11	9.351	9.351	1,72	106,0	0,00	90,42	-	-	0,00	0,00	-
12	9.504	9.504	1,52	106,0	0,00	90,56	-	-	0,00	0,00	-
13	9.641	9.642	1,34	106,0	0,00	90,68	-	-	0,00	0,00	-
14	9.666	9.666	1,31	106,0	0,00	90,71	-	-	0,00	0,00	-
15	10.638	10.639	0,13	106,0	0,00	91,54	-	-	0,00	0,00	-
16	10.895	10.896	-0,17	106,0	0,00	91,75	-	-	0,00	0,00	-
17	11.278	11.279	-0,59	106,0	0,00	92,05	-	-	0,00	0,00	-
18	575	580	34,56	104,5	0,00	66,27	-	-	0,00	0,00	-
19	913	916	29,53	104,5	0,00	70,24	-	-	0,00	0,00	-
2	4.457	4.458	11,15	106,0	0,00	83,98	-	-	0,00	0,00	-
20	1.206	1.209	26,35	104,5	0,00	72,65	-	-	0,00	0,00	-
21	1.007	1.010	28,42	104,5	0,00	71,09	-	-	0,00	0,00	-
22	1.090	1.093	27,52	104,5	0,00	71,77	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Āilutēs r.triukōmas

Description:
AĀtuoņiō vĕjo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.930	1.931	20,75	104,5	0,00	76,72	-	-	0,00	0,00	-
24	2.354	2.355	18,27	104,5	0,00	78,44	-	-	0,00	0,00	-
25	3.524	3.525	13,46	104,5	0,00	81,94	-	-	0,00	0,00	-
26	3.945	3.946	12,10	104,5	0,00	82,92	-	-	0,00	0,00	-
27	5.027	5.028	9,20	104,5	0,00	85,03	-	-	0,00	0,00	-
28	6.903	6.904	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
29	7.435	7.435	4,62	104,5	0,00	88,43	-	-	0,00	0,00	-
3	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
30	6.243	6.245	7,59	106,0	0,00	86,91	-	-	0,00	0,00	-
31	2.057	2.062	21,44	106,0	0,00	77,29	-	-	0,00	0,00	-
32	5.105	5.107	9,92	106,0	0,00	85,16	-	-	0,00	0,00	-
33	4.681	4.683	10,93	106,0	0,00	84,41	-	-	0,00	0,00	-
34	4.269	4.271	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
35	1.750	1.756	23,42	106,0	0,00	75,89	-	-	0,00	0,00	-
36	10.077	10.078	0,76	104,5	0,00	91,07	-	-	0,00	0,00	-
37	1.439	1.445	24,25	104,5	0,00	74,20	-	-	0,00	0,00	-
38	1.548	1.554	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
39	1.970	1.975	20,47	104,5	0,00	76,91	-	-	0,00	0,00	-
4	5.409	5.411	8,65	106,0	0,00	85,67	-	-	0,00	0,00	-
40	1.797	1.802	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
5	5.770	5.771	7,82	106,0	0,00	86,22	-	-	0,00	0,00	-
6	5.584	5.585	8,25	106,0	0,00	85,94	-	-	0,00	0,00	-
7	7.070	7.071	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
8	7.465	7.466	4,54	106,0	0,00	88,46	-	-	0,00	0,00	-
9	7.503	7.503	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
Sum			38,40								

- Data undefined due to calculation with octave data

Noise sensitive area: H Noise sensitive point: User defined (9)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.917	3.919	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
10	9.282	9.283	1,81	106,0	0,00	90,35	-	-	0,00	0,00	-
11	9.318	9.319	1,76	106,0	0,00	90,39	-	-	0,00	0,00	-
12	9.471	9.472	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
13	9.610	9.611	1,38	106,0	0,00	90,66	-	-	0,00	0,00	-
14	9.634	9.635	1,35	106,0	0,00	90,68	-	-	0,00	0,00	-
15	10.604	10.605	0,17	106,0	0,00	91,51	-	-	0,00	0,00	-
16	10.863	10.863	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
17	11.247	11.248	-0,56	106,0	0,00	92,02	-	-	0,00	0,00	-
18	542	548	35,19	104,5	0,00	65,77	-	-	0,00	0,00	-
19	877	881	29,98	104,5	0,00	69,89	-	-	0,00	0,00	-
2	4.421	4.422	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
20	1.170	1.173	26,70	104,5	0,00	72,39	-	-	0,00	0,00	-
21	972	975	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
22	1.061	1.064	27,83	104,5	0,00	71,54	-	-	0,00	0,00	-
23	1.901	1.902	20,93	104,5	0,00	76,59	-	-	0,00	0,00	-
24	2.328	2.329	18,41	104,5	0,00	78,35	-	-	0,00	0,00	-
25	3.498	3.499	13,54	104,5	0,00	81,88	-	-	0,00	0,00	-
26	3.917	3.918	12,19	104,5	0,00	82,86	-	-	0,00	0,00	-
27	4.991	4.992	9,29	104,5	0,00	84,97	-	-	0,00	0,00	-
28	6.869	6.869	5,54	104,5	0,00	87,74	-	-	0,00	0,00	-
29	7.402	7.402	4,67	104,5	0,00	88,39	-	-	0,00	0,00	-
3	4.373	4.374	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
30	6.215	6.217	7,65	106,0	0,00	86,87	-	-	0,00	0,00	-
31	2.021	2.027	21,66	106,0	0,00	77,14	-	-	0,00	0,00	-
32	5.072	5.074	10,00	106,0	0,00	85,11	-	-	0,00	0,00	-
33	4.646	4.649	11,02	106,0	0,00	84,35	-	-	0,00	0,00	-
34	4.235	4.238	12,19	106,0	0,00	83,54	-	-	0,00	0,00	-
35	1.730	1.737	23,55	106,0	0,00	75,79	-	-	0,00	0,00	-
36	10.045	10.046	0,79	104,5	0,00	91,04	-	-	0,00	0,00	-
37	1.403	1.410	24,54	104,5	0,00	73,99	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	1.512	1.518	23,67	104,5	0,00	74,63	-	-	0,00	0,00	-
39	1.933	1.939	20,70	104,5	0,00	76,75	-	-	0,00	0,00	-
4	5.382	5.384	8,72	106,0	0,00	85,62	-	-	0,00	0,00	-
40	1.761	1.767	21,84	104,5	0,00	75,94	-	-	0,00	0,00	-
5	5.742	5.744	7,89	106,0	0,00	86,18	-	-	0,00	0,00	-
6	5.555	5.556	8,31	106,0	0,00	85,90	-	-	0,00	0,00	-
7	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
8	7.431	7.432	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
9	7.468	7.469	4,54	106,0	0,00	88,47	-	-	0,00	0,00	-
Sum			38,85								

- Data undefined due to calculation with octave data

Noise sensitive area: I Noise sensitive point: User defined (11)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.088	4.089	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
10	9.258	9.259	1,84	106,0	0,00	90,33	-	-	0,00	0,00	-
11	9.311	9.312	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
12	9.474	9.474	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
13	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
14	9.616	9.617	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
15	10.631	10.632	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
16	10.867	10.867	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
17	11.226	11.227	-0,53	106,0	0,00	92,01	-	-	0,00	0,00	-
18	791	794	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
19	1.081	1.084	27,61	104,5	0,00	71,70	-	-	0,00	0,00	-
2	4.589	4.590	10,78	106,0	0,00	84,24	-	-	0,00	0,00	-
20	1.352	1.355	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
21	1.073	1.075	27,71	104,5	0,00	71,63	-	-	0,00	0,00	-
22	1.038	1.041	28,08	104,5	0,00	71,35	-	-	0,00	0,00	-
23	1.860	1.861	21,20	104,5	0,00	76,40	-	-	0,00	0,00	-
24	2.249	2.250	18,85	104,5	0,00	78,04	-	-	0,00	0,00	-
25	3.409	3.410	13,85	104,5	0,00	81,65	-	-	0,00	0,00	-
26	3.863	3.863	12,36	104,5	0,00	82,74	-	-	0,00	0,00	-
27	5.120	5.121	8,98	104,5	0,00	85,19	-	-	0,00	0,00	-
28	6.907	6.908	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
29	7.409	7.409	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
3	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
30	6.149	6.151	7,77	106,0	0,00	86,78	-	-	0,00	0,00	-
31	2.217	2.222	20,51	106,0	0,00	77,93	-	-	0,00	0,00	-
32	5.089	5.092	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
33	4.692	4.695	10,90	106,0	0,00	84,43	-	-	0,00	0,00	-
34	4.259	4.262	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
35	1.592	1.599	24,55	106,0	0,00	75,08	-	-	0,00	0,00	-
36	10.034	10.035	0,80	104,5	0,00	91,03	-	-	0,00	0,00	-
37	1.493	1.499	23,82	104,5	0,00	74,52	-	-	0,00	0,00	-
38	1.683	1.689	22,38	104,5	0,00	75,55	-	-	0,00	0,00	-
39	2.094	2.098	19,72	104,5	0,00	77,44	-	-	0,00	0,00	-
4	5.307	5.308	8,90	106,0	0,00	85,50	-	-	0,00	0,00	-
40	1.866	1.872	21,13	104,5	0,00	76,44	-	-	0,00	0,00	-
5	5.666	5.667	8,06	106,0	0,00	86,07	-	-	0,00	0,00	-
6	5.496	5.498	8,45	106,0	0,00	85,80	-	-	0,00	0,00	-
7	7.059	7.060	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
8	7.459	7.460	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
9	7.510	7.510	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
Sum			36,86								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: J Noise sensitive point: User defined (12)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.069	4.071	12,33	106,0	0,00	83,19	-	-	0,00	0,00	-
10	9.263	9.264	1,84	106,0	0,00	90,34	-	-	0,00	0,00	-
11	9.314	9.315	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
12	9.475	9.476	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
13	9.584	9.585	1,41	106,0	0,00	90,63	-	-	0,00	0,00	-
14	9.620	9.621	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
15	10.630	10.631	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
16	10.868	10.869	-0,14	106,0	0,00	91,72	-	-	0,00	0,00	-
17	11.231	11.231	-0,54	106,0	0,00	92,01	-	-	0,00	0,00	-
18	761	765	31,55	104,5	0,00	68,67	-	-	0,00	0,00	-
19	1.057	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
2	4.570	4.572	10,83	106,0	0,00	84,20	-	-	0,00	0,00	-
20	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
21	1.059	1.062	27,85	104,5	0,00	71,52	-	-	0,00	0,00	-
22	1.039	1.042	28,07	104,5	0,00	71,35	-	-	0,00	0,00	-
23	1.864	1.866	21,17	104,5	0,00	76,42	-	-	0,00	0,00	-
24	2.258	2.260	18,79	104,5	0,00	78,08	-	-	0,00	0,00	-
25	3.421	3.421	13,81	104,5	0,00	81,68	-	-	0,00	0,00	-
26	3.870	3.871	12,33	104,5	0,00	82,76	-	-	0,00	0,00	-
27	5.107	5.107	9,02	104,5	0,00	85,16	-	-	0,00	0,00	-
28	6.905	6.905	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
29	7.410	7.410	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
3	4.502	4.504	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
30	6.159	6.160	7,75	106,0	0,00	86,79	-	-	0,00	0,00	-
31	2.195	2.200	20,63	106,0	0,00	77,85	-	-	0,00	0,00	-
32	5.089	5.091	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
33	4.688	4.691	10,91	106,0	0,00	84,42	-	-	0,00	0,00	-
34	4.258	4.261	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
35	1.608	1.615	24,43	106,0	0,00	75,16	-	-	0,00	0,00	-
36	10.037	10.039	0,80	104,5	0,00	91,03	-	-	0,00	0,00	-
37	1.482	1.488	23,90	104,5	0,00	74,45	-	-	0,00	0,00	-
38	1.663	1.669	22,53	104,5	0,00	75,45	-	-	0,00	0,00	-
39	2.076	2.080	19,83	104,5	0,00	77,36	-	-	0,00	0,00	-
4	5.317	5.318	8,88	106,0	0,00	85,52	-	-	0,00	0,00	-
40	1.854	1.859	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	5.677	5.678	8,03	106,0	0,00	86,08	-	-	0,00	0,00	-
6	5.505	5.506	8,43	106,0	0,00	85,82	-	-	0,00	0,00	-
7	7.059	7.059	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
8	7.457	7.458	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
9	7.507	7.507	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
Sum			37,04								

- Data undefined due to calculation with octave data

Noise sensitive area: K Noise sensitive point: User defined (13)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.835	3.837	13,09	106,0	0,00	82,68	-	-	0,00	0,00	-
10	8.849	8.850	2,41	106,0	0,00	89,94	-	-	0,00	0,00	-
11	8.907	8.908	2,32	106,0	0,00	90,00	-	-	0,00	0,00	-
12	9.073	9.074	2,09	106,0	0,00	90,16	-	-	0,00	0,00	-
13	9.168	9.169	1,97	106,0	0,00	90,25	-	-	0,00	0,00	-
14	9.209	9.209	1,91	106,0	0,00	90,28	-	-	0,00	0,00	-
15	10.240	10.241	0,60	106,0	0,00	91,21	-	-	0,00	0,00	-
16	10.466	10.467	0,33	106,0	0,00	91,40	-	-	0,00	0,00	-
17	10.818	10.819	-0,08	106,0	0,00	91,68	-	-	0,00	0,00	-
18	804	808	30,94	104,5	0,00	69,14	-	-	0,00	0,00	-
19	964	967	28,91	104,5	0,00	70,71	-	-	0,00	0,00	-
2	4.329	4.330	11,53	106,0	0,00	83,73	-	-	0,00	0,00	-
20	1.173	1.175	26,68	104,5	0,00	72,40	-	-	0,00	0,00	-
21	803	807	30,95	104,5	0,00	69,14	-	-	0,00	0,00	-
22	651	656	33,23	104,5	0,00	67,34	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.453	1.455	24,18	104,5	0,00	74,26	-	-	0,00	0,00	-
24	1.835	1.836	21,37	104,5	0,00	76,28	-	-	0,00	0,00	-
25	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
26	3.450	3.451	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
27	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
28	6.524	6.524	6,13	104,5	0,00	87,29	-	-	0,00	0,00	-
29	7.011	7.011	5,30	104,5	0,00	87,92	-	-	0,00	0,00	-
3	4.230	4.231	11,83	106,0	0,00	83,53	-	-	0,00	0,00	-
30	5.735	5.738	8,57	106,0	0,00	86,17	-	-	0,00	0,00	-
31	2.025	2.030	21,64	106,0	0,00	77,15	-	-	0,00	0,00	-
32	4.697	4.700	10,89	106,0	0,00	84,44	-	-	0,00	0,00	-
33	4.316	4.319	11,94	106,0	0,00	83,71	-	-	0,00	0,00	-
34	3.872	3.875	13,36	106,0	0,00	82,76	-	-	0,00	0,00	-
35	1.188	1.197	27,97	106,0	0,00	72,56	-	-	0,00	0,00	-
36	9.629	9.630	1,26	104,5	0,00	90,67	-	-	0,00	0,00	-
37	1.183	1.192	26,52	104,5	0,00	72,52	-	-	0,00	0,00	-
38	1.470	1.477	24,00	104,5	0,00	74,39	-	-	0,00	0,00	-
39	1.850	1.856	21,24	104,5	0,00	76,37	-	-	0,00	0,00	-
4	4.893	4.894	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
40	1.562	1.568	23,28	104,5	0,00	74,91	-	-	0,00	0,00	-
5	5.252	5.254	9,03	106,0	0,00	85,41	-	-	0,00	0,00	-
6	5.083	5.084	9,46	106,0	0,00	85,12	-	-	0,00	0,00	-
7	6.668	6.669	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
8	7.070	7.070	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
9	7.127	7.128	5,13	106,0	0,00	88,06	-	-	0,00	0,00	-
Sum			39,18								

- Data undefined due to calculation with octave data

Noise sensitive area: L Noise sensitive point: User defined (14)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.797	3.798	13,22	106,0	0,00	82,59	-	-	0,00	0,00	-
10	8.836	8.837	2,42	106,0	0,00	89,93	-	-	0,00	0,00	-
11	8.891	8.892	2,35	106,0	0,00	89,98	-	-	0,00	0,00	-
12	9.056	9.057	2,12	106,0	0,00	90,14	-	-	0,00	0,00	-
13	9.156	9.157	1,98	106,0	0,00	90,23	-	-	0,00	0,00	-
14	9.195	9.195	1,93	106,0	0,00	90,27	-	-	0,00	0,00	-
15	10.220	10.221	0,62	106,0	0,00	91,19	-	-	0,00	0,00	-
16	10.449	10.450	0,35	106,0	0,00	91,38	-	-	0,00	0,00	-
17	10.805	10.805	-0,06	106,0	0,00	91,67	-	-	0,00	0,00	-
18	765	769	31,49	104,5	0,00	68,72	-	-	0,00	0,00	-
19	921	924	29,43	104,5	0,00	70,32	-	-	0,00	0,00	-
2	4.291	4.292	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
20	1.130	1.133	27,10	104,5	0,00	72,08	-	-	0,00	0,00	-
21	763	767	31,51	104,5	0,00	68,70	-	-	0,00	0,00	-
22	628	632	33,63	104,5	0,00	67,02	-	-	0,00	0,00	-
23	1.438	1.440	24,30	104,5	0,00	74,17	-	-	0,00	0,00	-
24	1.828	1.830	21,41	104,5	0,00	76,25	-	-	0,00	0,00	-
25	2.992	2.993	15,41	104,5	0,00	80,52	-	-	0,00	0,00	-
26	3.440	3.441	13,74	104,5	0,00	81,73	-	-	0,00	0,00	-
27	4.778	4.779	9,81	104,5	0,00	84,59	-	-	0,00	0,00	-
28	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
29	6.993	6.993	5,33	104,5	0,00	87,89	-	-	0,00	0,00	-
3	4.194	4.195	11,94	106,0	0,00	83,46	-	-	0,00	0,00	-
30	5.728	5.730	8,58	106,0	0,00	86,16	-	-	0,00	0,00	-
31	1.983	1.988	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
32	4.677	4.680	10,94	106,0	0,00	84,40	-	-	0,00	0,00	-
33	4.292	4.295	12,02	106,0	0,00	83,66	-	-	0,00	0,00	-
34	3.850	3.853	13,43	106,0	0,00	82,72	-	-	0,00	0,00	-
35	1.193	1.202	27,92	106,0	0,00	72,60	-	-	0,00	0,00	-
36	9.614	9.615	1,27	104,5	0,00	90,66	-	-	0,00	0,00	-
37	1.147	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukūmas

Description:
Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliiū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	1.428	1.435	24,34	104,5	0,00	74,14	-	-	0,00	0,00	-
39	1.811	1.816	21,50	104,5	0,00	76,18	-	-	0,00	0,00	-
4	4.887	4.889	9,96	106,0	0,00	84,78	-	-	0,00	0,00	-
40	1.526	1.533	23,55	104,5	0,00	74,71	-	-	0,00	0,00	-
5	5.247	5.248	9,05	106,0	0,00	85,40	-	-	0,00	0,00	-
6	5.075	5.076	9,48	106,0	0,00	85,11	-	-	0,00	0,00	-
7	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-
8	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
9	7.105	7.106	5,17	106,0	0,00	88,03	-	-	0,00	0,00	-
Sum			39,57								

- Data undefined due to calculation with octave data

Noise sensitive area: M Noise sensitive point: User defined (15)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.711	3.712	13,51	106,0	0,00	82,39	-	-	0,00	0,00	-
10	8.408	8.409	3,04	106,0	0,00	89,49	-	-	0,00	0,00	-
11	8.481	8.481	2,94	106,0	0,00	89,57	-	-	0,00	0,00	-
12	8.656	8.657	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
13	8.720	8.721	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
14	8.772	8.773	2,51	106,0	0,00	89,86	-	-	0,00	0,00	-
15	9.847	9.848	1,08	106,0	0,00	90,87	-	-	0,00	0,00	-
16	10.049	10.050	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
17	10.378	10.379	0,43	106,0	0,00	91,32	-	-	0,00	0,00	-
18	1.157	1.159	26,84	104,5	0,00	72,28	-	-	0,00	0,00	-
19	1.174	1.177	26,66	104,5	0,00	72,41	-	-	0,00	0,00	-
2	4.189	4.190	11,95	106,0	0,00	83,44	-	-	0,00	0,00	-
20	1.276	1.278	25,70	104,5	0,00	73,13	-	-	0,00	0,00	-
21	844	848	30,40	104,5	0,00	69,57	-	-	0,00	0,00	-
22	452	459	37,06	104,5	0,00	64,23	-	-	0,00	0,00	-
23	1.046	1.049	27,99	104,5	0,00	71,42	-	-	0,00	0,00	-
24	1.371	1.374	24,86	104,5	0,00	73,76	-	-	0,00	0,00	-
25	2.517	2.519	17,45	104,5	0,00	79,02	-	-	0,00	0,00	-
26	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
27	4.589	4.589	10,29	104,5	0,00	84,24	-	-	0,00	0,00	-
28	6.152	6.152	6,82	104,5	0,00	86,78	-	-	0,00	0,00	-
29	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
3	4.045	4.047	12,40	106,0	0,00	83,14	-	-	0,00	0,00	-
30	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
31	2.038	2.043	21,56	106,0	0,00	77,21	-	-	0,00	0,00	-
32	4.309	4.312	11,96	106,0	0,00	83,69	-	-	0,00	0,00	-
33	3.967	3.970	13,04	106,0	0,00	82,98	-	-	0,00	0,00	-
34	3.498	3.501	14,68	106,0	0,00	81,88	-	-	0,00	0,00	-
35	693	708	33,91	106,0	0,00	68,00	-	-	0,00	0,00	-
36	9.199	9.201	1,76	104,5	0,00	90,28	-	-	0,00	0,00	-
37	1.072	1.082	27,64	104,5	0,00	71,68	-	-	0,00	0,00	-
38	1.491	1.498	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
39	1.797	1.803	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
4	4.419	4.421	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
40	1.421	1.429	24,39	104,5	0,00	74,10	-	-	0,00	0,00	-
5	4.778	4.780	10,25	106,0	0,00	84,59	-	-	0,00	0,00	-
6	4.620	4.622	10,69	106,0	0,00	84,30	-	-	0,00	0,00	-
7	6.277	6.278	6,74	106,0	0,00	86,96	-	-	0,00	0,00	-
8	6.683	6.684	5,94	106,0	0,00	87,50	-	-	0,00	0,00	-
9	6.757	6.758	5,80	106,0	0,00	87,60	-	-	0,00	0,00	-
Sum			41,00								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: N Noise sensitive point: User defined (16)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.680	3.681	13,62	106,0	0,00	82,32	-	-	0,00	0,00	-
10	8.414	8.415	3,04	106,0	0,00	89,50	-	-	0,00	0,00	-
11	8.483	8.484	2,93	106,0	0,00	89,57	-	-	0,00	0,00	-
12	8.658	8.658	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
13	8.727	8.728	2,58	106,0	0,00	89,82	-	-	0,00	0,00	-
14	8.777	8.778	2,51	106,0	0,00	89,87	-	-	0,00	0,00	-
15	9.845	9.845	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
16	10.051	10.051	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
17	10.384	10.385	0,42	106,0	0,00	91,33	-	-	0,00	0,00	-
18	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
19	1.129	1.132	27,12	104,5	0,00	72,07	-	-	0,00	0,00	-
2	4.159	4.160	12,05	106,0	0,00	83,38	-	-	0,00	0,00	-
20	1.231	1.234	26,11	104,5	0,00	72,83	-	-	0,00	0,00	-
21	800	804	30,99	104,5	0,00	69,10	-	-	0,00	0,00	-
22	414	421	37,94	104,5	0,00	63,50	-	-	0,00	0,00	-
23	1.042	1.045	28,04	104,5	0,00	71,38	-	-	0,00	0,00	-
24	1.380	1.383	24,78	104,5	0,00	73,81	-	-	0,00	0,00	-
25	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
26	3.003	3.005	15,37	104,5	0,00	80,56	-	-	0,00	0,00	-
27	4.566	4.566	10,35	104,5	0,00	84,19	-	-	0,00	0,00	-
28	6.146	6.146	6,83	104,5	0,00	86,77	-	-	0,00	0,00	-
29	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
3	4.019	4.020	12,49	106,0	0,00	83,08	-	-	0,00	0,00	-
30	5.279	5.281	9,53	106,0	0,00	85,45	-	-	0,00	0,00	-
31	1.997	2.003	21,80	106,0	0,00	77,03	-	-	0,00	0,00	-
32	4.305	4.308	11,98	106,0	0,00	83,69	-	-	0,00	0,00	-
33	3.957	3.960	13,08	106,0	0,00	82,95	-	-	0,00	0,00	-
34	3.492	3.495	14,71	106,0	0,00	81,87	-	-	0,00	0,00	-
35	717	732	33,55	106,0	0,00	68,29	-	-	0,00	0,00	-
36	9.203	9.204	1,76	104,5	0,00	90,28	-	-	0,00	0,00	-
37	1.036	1.045	28,03	104,5	0,00	71,39	-	-	0,00	0,00	-
38	1.449	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
39	1.760	1.766	21,85	104,5	0,00	75,94	-	-	0,00	0,00	-
4	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
40	1.388	1.395	24,67	104,5	0,00	73,89	-	-	0,00	0,00	-
5	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
6	4.630	4.632	10,66	106,0	0,00	84,32	-	-	0,00	0,00	-
7	6.274	6.275	6,75	106,0	0,00	86,95	-	-	0,00	0,00	-
8	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
9	6.751	6.752	5,82	106,0	0,00	87,59	-	-	0,00	0,00	-
Sum			41,44								

- Data undefined due to calculation with octave data

Noise sensitive area: O Noise sensitive point: User defined (17)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.624	3.625	13,81	106,0	0,00	82,19	-	-	0,00	0,00	-
10	8.394	8.395	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
11	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
12	8.632	8.633	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
13	8.709	8.709	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
14	8.756	8.756	2,54	106,0	0,00	89,85	-	-	0,00	0,00	-
15	9.815	9.815	1,12	106,0	0,00	90,84	-	-	0,00	0,00	-
16	10.025	10.026	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
17	10.363	10.364	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
18	1.076	1.079	27,67	104,5	0,00	71,66	-	-	0,00	0,00	-
19	1.078	1.081	27,65	104,5	0,00	71,67	-	-	0,00	0,00	-
2	4.104	4.105	12,22	106,0	0,00	83,27	-	-	0,00	0,00	-
20	1.175	1.177	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
21	743	747	31,81	104,5	0,00	68,47	-	-	0,00	0,00	-
22	356	364	39,44	104,5	0,00	62,23	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremenio, Kūgelio, Okslindpiō, Skierio bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.011	1.014	28,37	104,5	0,00	71,12	-	-	0,00	0,00	-
24	1.366	1.369	24,90	104,5	0,00	73,73	-	-	0,00	0,00	-
25	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
26	2.987	2.988	15,43	104,5	0,00	80,51	-	-	0,00	0,00	-
27	4.516	4.516	10,48	104,5	0,00	84,10	-	-	0,00	0,00	-
28	6.112	6.112	6,90	104,5	0,00	86,72	-	-	0,00	0,00	-
29	6.574	6.574	6,05	104,5	0,00	87,36	-	-	0,00	0,00	-
3	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
30	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
31	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
32	4.274	4.276	12,07	106,0	0,00	83,62	-	-	0,00	0,00	-
33	3.920	3.923	13,20	106,0	0,00	82,87	-	-	0,00	0,00	-
34	3.458	3.461	14,83	106,0	0,00	81,78	-	-	0,00	0,00	-
35	725	740	33,42	106,0	0,00	68,38	-	-	0,00	0,00	-
36	9.180	9.181	1,79	104,5	0,00	90,26	-	-	0,00	0,00	-
37	977	988	28,68	104,5	0,00	70,89	-	-	0,00	0,00	-
38	1.390	1.398	24,65	104,5	0,00	73,91	-	-	0,00	0,00	-
39	1.701	1.707	22,26	104,5	0,00	75,65	-	-	0,00	0,00	-
4	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
40	1.331	1.339	25,16	104,5	0,00	73,54	-	-	0,00	0,00	-
5	4.782	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
6	4.616	4.618	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
7	6.243	6.244	6,81	106,0	0,00	86,91	-	-	0,00	0,00	-
8	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-
9	6.717	6.718	5,88	106,0	0,00	87,54	-	-	0,00	0,00	-
Sum			42,34								

- Data undefined due to calculation with octave data

Noise sensitive area: P Noise sensitive point: User defined (18)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.609	3.611	13,86	106,0	0,00	82,15	-	-	0,00	0,00	-
10	8.390	8.391	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
11	8.455	8.456	2,97	106,0	0,00	89,54	-	-	0,00	0,00	-
12	8.627	8.628	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
13	8.706	8.706	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
14	8.752	8.753	2,54	106,0	0,00	89,84	-	-	0,00	0,00	-
15	9.808	9.809	1,13	106,0	0,00	90,83	-	-	0,00	0,00	-
16	10.020	10.021	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
17	10.360	10.361	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
18	1.064	1.067	27,80	104,5	0,00	71,56	-	-	0,00	0,00	-
19	1.063	1.066	27,81	104,5	0,00	71,55	-	-	0,00	0,00	-
2	4.090	4.091	12,26	106,0	0,00	83,24	-	-	0,00	0,00	-
20	1.158	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
21	727	731	32,05	104,5	0,00	68,28	-	-	0,00	0,00	-
22	340	349	39,87	104,5	0,00	61,86	-	-	0,00	0,00	-
23	1.005	1.008	28,44	104,5	0,00	71,07	-	-	0,00	0,00	-
24	1.365	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
25	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
26	2.984	2.985	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
27	4.503	4.504	10,52	104,5	0,00	84,07	-	-	0,00	0,00	-
28	6.105	6.105	6,91	104,5	0,00	86,71	-	-	0,00	0,00	-
29	6.568	6.569	6,06	104,5	0,00	87,35	-	-	0,00	0,00	-
3	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
30	5.266	5.268	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
31	1.922	1.928	22,27	106,0	0,00	76,70	-	-	0,00	0,00	-
32	4.267	4.270	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
33	3.912	3.914	13,23	106,0	0,00	82,85	-	-	0,00	0,00	-
34	3.450	3.454	14,86	106,0	0,00	81,77	-	-	0,00	0,00	-
35	730	745	33,35	106,0	0,00	68,44	-	-	0,00	0,00	-
36	9.176	9.177	1,79	104,5	0,00	90,25	-	-	0,00	0,00	-
37	962	972	28,85	104,5	0,00	70,76	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukūmas

Description:
Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliiū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	1.374	1.382	24,79	104,5	0,00	73,81	-	-	0,00	0,00	-
39	1.685	1.692	22,37	104,5	0,00	75,57	-	-	0,00	0,00	-
4	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
40	1.317	1.324	25,29	104,5	0,00	73,44	-	-	0,00	0,00	-
5	4.781	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
6	4.615	4.616	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
7	6.237	6.238	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
8	6.641	6.642	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
9	6.710	6.711	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
Sum			42,61								

- Data undefined due to calculation with octave data

Noise sensitive area: Q Noise sensitive point: User defined (19)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.559	3.561	14,04	106,0	0,00	82,03	-	-	0,00	0,00	-
10	8.324	8.325	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
11	8.389	8.390	3,07	106,0	0,00	89,47	-	-	0,00	0,00	-
12	8.560	8.561	2,82	106,0	0,00	89,65	-	-	0,00	0,00	-
13	8.640	8.641	2,70	106,0	0,00	89,73	-	-	0,00	0,00	-
14	8.686	8.686	2,64	106,0	0,00	89,78	-	-	0,00	0,00	-
15	9.741	9.742	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
16	9.953	9.954	0,95	106,0	0,00	90,96	-	-	0,00	0,00	-
17	10.294	10.295	0,53	106,0	0,00	91,25	-	-	0,00	0,00	-
18	1.090	1.093	27,51	104,5	0,00	71,77	-	-	0,00	0,00	-
19	1.067	1.070	27,76	104,5	0,00	71,59	-	-	0,00	0,00	-
2	4.038	4.039	12,42	106,0	0,00	83,13	-	-	0,00	0,00	-
20	1.145	1.148	26,95	104,5	0,00	72,20	-	-	0,00	0,00	-
21	713	717	32,26	104,5	0,00	68,12	-	-	0,00	0,00	-
22	303	313	40,98	104,5	0,00	60,90	-	-	0,00	0,00	-
23	938	942	29,22	104,5	0,00	70,48	-	-	0,00	0,00	-
24	1.301	1.304	25,47	104,5	0,00	73,30	-	-	0,00	0,00	-
25	2.462	2.464	17,71	104,5	0,00	78,83	-	-	0,00	0,00	-
26	2.919	2.920	15,71	104,5	0,00	80,31	-	-	0,00	0,00	-
27	4.444	4.445	10,67	104,5	0,00	83,96	-	-	0,00	0,00	-
28	6.038	6.038	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
29	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
3	3.897	3.898	12,88	106,0	0,00	82,82	-	-	0,00	0,00	-
30	5.202	5.204	9,70	106,0	0,00	85,33	-	-	0,00	0,00	-
31	1.891	1.897	22,47	106,0	0,00	76,56	-	-	0,00	0,00	-
32	4.200	4.203	12,30	106,0	0,00	83,47	-	-	0,00	0,00	-
33	3.846	3.848	13,45	106,0	0,00	82,71	-	-	0,00	0,00	-
34	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
35	681	697	34,08	106,0	0,00	67,86	-	-	0,00	0,00	-
36	9.109	9.111	1,87	104,5	0,00	90,19	-	-	0,00	0,00	-
37	921	932	29,34	104,5	0,00	70,39	-	-	0,00	0,00	-
38	1.347	1.354	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
39	1.647	1.653	22,65	104,5	0,00	75,37	-	-	0,00	0,00	-
4	4.359	4.361	11,44	106,0	0,00	83,79	-	-	0,00	0,00	-
40	1.269	1.277	25,71	104,5	0,00	73,13	-	-	0,00	0,00	-
5	4.719	4.720	10,42	106,0	0,00	84,48	-	-	0,00	0,00	-
6	4.550	4.552	10,88	106,0	0,00	84,16	-	-	0,00	0,00	-
7	6.170	6.171	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
8	6.574	6.575	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
9	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
Sum			43,40								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukūmas

Description:
Aðtuoniū vėjo elektrinių (Ėilutės raj. sav. Usėnė ir Juknaiėnė sen.: Kavoliū, Stremenė, Kūgelė, Okslindpiū, Skierė bei Menklaukiū kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskių k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: R Noise sensitive point: User defined (20)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.540	3.542	14,11	106,0	0,00	81,99	-	-	0,00	0,00	-
10	8.333	8.334	3,16	106,0	0,00	89,42	-	-	0,00	0,00	-
11	8.395	8.396	3,06	106,0	0,00	89,48	-	-	0,00	0,00	-
12	8.565	8.566	2,81	106,0	0,00	89,66	-	-	0,00	0,00	-
13	8.649	8.650	2,69	106,0	0,00	89,74	-	-	0,00	0,00	-
14	8.694	8.694	2,63	106,0	0,00	89,78	-	-	0,00	0,00	-
15	9.744	9.745	1,21	106,0	0,00	90,78	-	-	0,00	0,00	-
16	9.959	9.959	0,94	106,0	0,00	90,96	-	-	0,00	0,00	-
17	10.302	10.303	0,52	106,0	0,00	91,26	-	-	0,00	0,00	-
18	1.060	1.063	27,84	104,5	0,00	71,53	-	-	0,00	0,00	-
19	1.035	1.038	28,11	104,5	0,00	71,32	-	-	0,00	0,00	-
2	4.020	4.021	12,48	106,0	0,00	83,09	-	-	0,00	0,00	-
20	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
21	682	687	32,74	104,5	0,00	67,73	-	-	0,00	0,00	-
22	277	288	41,81	104,5	0,00	60,18	-	-	0,00	0,00	-
23	943	946	29,17	104,5	0,00	70,52	-	-	0,00	0,00	-
24	1.315	1.317	25,35	104,5	0,00	73,39	-	-	0,00	0,00	-
25	2.478	2.479	17,64	104,5	0,00	78,89	-	-	0,00	0,00	-
26	2.930	2.931	15,66	104,5	0,00	80,34	-	-	0,00	0,00	-
27	4.432	4.433	10,71	104,5	0,00	83,93	-	-	0,00	0,00	-
28	6.038	6.039	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
29	6.506	6.507	6,17	104,5	0,00	87,27	-	-	0,00	0,00	-
3	3.882	3.883	12,93	106,0	0,00	82,78	-	-	0,00	0,00	-
30	5.215	5.217	9,67	106,0	0,00	85,35	-	-	0,00	0,00	-
31	1.864	1.870	22,65	106,0	0,00	76,44	-	-	0,00	0,00	-
32	4.202	4.205	12,29	106,0	0,00	83,48	-	-	0,00	0,00	-
33	3.843	3.846	13,46	106,0	0,00	82,70	-	-	0,00	0,00	-
34	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
35	706	721	33,70	106,0	0,00	68,16	-	-	0,00	0,00	-
36	9.116	9.118	1,86	104,5	0,00	90,20	-	-	0,00	0,00	-
37	897	909	29,62	104,5	0,00	70,17	-	-	0,00	0,00	-
38	1.319	1.326	25,27	104,5	0,00	73,45	-	-	0,00	0,00	-
39	1.622	1.629	22,82	104,5	0,00	75,24	-	-	0,00	0,00	-
4	4.373	4.375	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
40	1.249	1.257	25,90	104,5	0,00	72,99	-	-	0,00	0,00	-
5	4.733	4.734	10,38	106,0	0,00	84,51	-	-	0,00	0,00	-
6	4.562	4.564	10,85	106,0	0,00	84,19	-	-	0,00	0,00	-
7	6.172	6.173	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
8	6.576	6.577	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
9	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
Sum			43,93								

- Data undefined due to calculation with octave data

Noise sensitive area: S Noise sensitive point: User defined (21)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.567	3.569	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
10	8.243	8.244	3,29	106,0	0,00	89,32	-	-	0,00	0,00	-
11	8.312	8.313	3,19	106,0	0,00	89,40	-	-	0,00	0,00	-
12	8.486	8.487	2,93	106,0	0,00	89,58	-	-	0,00	0,00	-
13	8.556	8.557	2,83	106,0	0,00	89,65	-	-	0,00	0,00	-
14	8.606	8.606	2,75	106,0	0,00	89,70	-	-	0,00	0,00	-
15	9.675	9.675	1,30	106,0	0,00	90,71	-	-	0,00	0,00	-
16	9.880	9.880	1,04	106,0	0,00	90,90	-	-	0,00	0,00	-
17	10.213	10.213	0,63	106,0	0,00	91,18	-	-	0,00	0,00	-
18	1.197	1.199	26,44	104,5	0,00	72,58	-	-	0,00	0,00	-
19	1.160	1.163	26,80	104,5	0,00	72,31	-	-	0,00	0,00	-
2	4.041	4.043	12,41	106,0	0,00	83,13	-	-	0,00	0,00	-
20	1.220	1.223	26,22	104,5	0,00	72,75	-	-	0,00	0,00	-
21	791	795	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
22	359	367	39,35	104,5	0,00	62,30	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	873	876	30,03	104,5	0,00	69,85	-	-	0,00	0,00	-
24	1.211	1.213	26,31	104,5	0,00	72,68	-	-	0,00	0,00	-
25	2.366	2.368	18,20	104,5	0,00	78,49	-	-	0,00	0,00	-
26	2.833	2.834	16,06	104,5	0,00	80,05	-	-	0,00	0,00	-
27	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
28	5.978	5.979	7,16	104,5	0,00	86,53	-	-	0,00	0,00	-
29	6.430	6.431	6,30	104,5	0,00	87,17	-	-	0,00	0,00	-
3	3.889	3.891	12,91	106,0	0,00	82,80	-	-	0,00	0,00	-
30	5.110	5.113	9,91	106,0	0,00	85,17	-	-	0,00	0,00	-
31	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
32	4.136	4.139	12,50	106,0	0,00	83,34	-	-	0,00	0,00	-
33	3.793	3.796	13,63	106,0	0,00	82,59	-	-	0,00	0,00	-
34	3.325	3.328	15,34	106,0	0,00	81,44	-	-	0,00	0,00	-
35	573	591	35,87	106,0	0,00	66,44	-	-	0,00	0,00	-
36	9.032	9.033	1,97	104,5	0,00	90,12	-	-	0,00	0,00	-
37	955	966	28,93	104,5	0,00	70,70	-	-	0,00	0,00	-
38	1.402	1.410	24,55	104,5	0,00	73,98	-	-	0,00	0,00	-
39	1.682	1.688	22,39	104,5	0,00	75,55	-	-	0,00	0,00	-
4	4.266	4.267	11,72	106,0	0,00	83,60	-	-	0,00	0,00	-
40	1.288	1.296	25,54	104,5	0,00	73,25	-	-	0,00	0,00	-
5	4.625	4.626	10,67	106,0	0,00	84,30	-	-	0,00	0,00	-
6	4.461	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
7	6.104	6.105	7,10	106,0	0,00	86,71	-	-	0,00	0,00	-
8	6.510	6.511	6,28	106,0	0,00	87,27	-	-	0,00	0,00	-
9	6.584	6.584	6,14	106,0	0,00	87,37	-	-	0,00	0,00	-
Sum			42,71								

- Data undefined due to calculation with octave data

Noise sensitive area: T Noise sensitive point: User defined (22)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.526	3.528	14,16	106,0	0,00	81,95	-	-	0,00	0,00	-
10	8.228	8.229	3,32	106,0	0,00	89,31	-	-	0,00	0,00	-
11	8.295	8.296	3,21	106,0	0,00	89,38	-	-	0,00	0,00	-
12	8.468	8.468	2,96	106,0	0,00	89,56	-	-	0,00	0,00	-
13	8.543	8.544	2,85	106,0	0,00	89,63	-	-	0,00	0,00	-
14	8.590	8.591	2,78	106,0	0,00	89,68	-	-	0,00	0,00	-
15	9.653	9.653	1,33	106,0	0,00	90,69	-	-	0,00	0,00	-
16	9.861	9.862	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
17	10.198	10.198	0,65	106,0	0,00	91,17	-	-	0,00	0,00	-
18	1.173	1.176	26,68	104,5	0,00	72,41	-	-	0,00	0,00	-
19	1.126	1.129	27,14	104,5	0,00	72,05	-	-	0,00	0,00	-
2	4.001	4.002	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
20	1.181	1.183	26,60	104,5	0,00	72,46	-	-	0,00	0,00	-
21	752	756	31,67	104,5	0,00	68,57	-	-	0,00	0,00	-
22	318	327	40,52	104,5	0,00	61,30	-	-	0,00	0,00	-
23	850	853	30,33	104,5	0,00	69,62	-	-	0,00	0,00	-
24	1.201	1.204	26,40	104,5	0,00	72,61	-	-	0,00	0,00	-
25	2.361	2.363	18,23	104,5	0,00	78,47	-	-	0,00	0,00	-
26	2.821	2.822	16,11	104,5	0,00	80,01	-	-	0,00	0,00	-
27	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
28	5.953	5.954	7,20	104,5	0,00	86,50	-	-	0,00	0,00	-
29	6.410	6.411	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
3	3.851	3.852	13,03	106,0	0,00	82,71	-	-	0,00	0,00	-
30	5.102	5.104	9,93	106,0	0,00	85,16	-	-	0,00	0,00	-
31	1.895	1.901	22,45	106,0	0,00	76,58	-	-	0,00	0,00	-
32	4.113	4.116	12,57	106,0	0,00	83,29	-	-	0,00	0,00	-
33	3.766	3.769	13,72	106,0	0,00	82,52	-	-	0,00	0,00	-
34	3.299	3.303	15,44	106,0	0,00	81,38	-	-	0,00	0,00	-
35	585	603	35,66	106,0	0,00	66,61	-	-	0,00	0,00	-
36	9.015	9.016	1,99	104,5	0,00	90,10	-	-	0,00	0,00	-
37	912	923	29,44	104,5	0,00	70,31	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukōmas

Description:
Ađtuoniō vėjo elektriniō (Ėilutės raj. sav. Usėnō ir Juknaiėiō sen.: Kavoliō, Stremeniō, Kūgelio, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	1.360	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
39	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
4	4.259	4.260	11,74	106,0	0,00	83,59	-	-	0,00	0,00	-
40	1.245	1.253	25,93	104,5	0,00	72,96	-	-	0,00	0,00	-
5	4.618	4.620	10,69	106,0	0,00	84,29	-	-	0,00	0,00	-
6	4.451	4.453	11,17	106,0	0,00	83,97	-	-	0,00	0,00	-
7	6.082	6.083	7,15	106,0	0,00	86,68	-	-	0,00	0,00	-
8	6.487	6.488	6,32	106,0	0,00	87,24	-	-	0,00	0,00	-
9	6.559	6.560	6,18	106,0	0,00	87,34	-	-	0,00	0,00	-
Sum			43,36								

- Data undefined due to calculation with octave data

Noise sensitive area: U Noise sensitive point: User defined (23)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.343	2.346	19,57	106,0	0,00	78,41	-	-	0,00	0,00	-
10	7.170	7.171	5,05	106,0	0,00	88,11	-	-	0,00	0,00	-
11	7.186	7.187	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
12	7.331	7.332	4,77	106,0	0,00	88,30	-	-	0,00	0,00	-
13	7.510	7.511	4,46	106,0	0,00	88,51	-	-	0,00	0,00	-
14	7.513	7.514	4,46	106,0	0,00	88,52	-	-	0,00	0,00	-
15	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
16	8.721	8.722	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
17	9.127	9.128	2,02	106,0	0,00	90,21	-	-	0,00	0,00	-
18	1.819	1.821	21,47	104,5	0,00	76,21	-	-	0,00	0,00	-
19	1.504	1.506	23,76	104,5	0,00	74,56	-	-	0,00	0,00	-
2	2.782	2.785	17,31	106,0	0,00	79,90	-	-	0,00	0,00	-
20	1.268	1.270	25,78	104,5	0,00	73,08	-	-	0,00	0,00	-
21	1.194	1.197	26,47	104,5	0,00	72,56	-	-	0,00	0,00	-
22	1.159	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
23	600	605	34,12	104,5	0,00	66,63	-	-	0,00	0,00	-
24	885	888	29,88	104,5	0,00	69,97	-	-	0,00	0,00	-
25	1.743	1.745	21,99	104,5	0,00	75,84	-	-	0,00	0,00	-
26	1.943	1.945	20,66	104,5	0,00	76,78	-	-	0,00	0,00	-
27	3.094	3.095	15,01	104,5	0,00	80,81	-	-	0,00	0,00	-
28	4.729	4.729	9,93	104,5	0,00	84,50	-	-	0,00	0,00	-
29	5.261	5.261	8,66	104,5	0,00	85,42	-	-	0,00	0,00	-
3	2.586	2.588	18,27	106,0	0,00	79,26	-	-	0,00	0,00	-
30	4.218	4.221	12,24	106,0	0,00	83,51	-	-	0,00	0,00	-
31	1.278	1.287	27,13	106,0	0,00	73,19	-	-	0,00	0,00	-
32	2.928	2.931	16,98	106,0	0,00	80,34	-	-	0,00	0,00	-
33	2.512	2.516	18,94	106,0	0,00	79,01	-	-	0,00	0,00	-
34	2.090	2.096	21,24	106,0	0,00	77,43	-	-	0,00	0,00	-
35	1.247	1.256	27,41	106,0	0,00	72,98	-	-	0,00	0,00	-
36	7.914	7.916	3,44	104,5	0,00	88,97	-	-	0,00	0,00	-
37	790	803	31,01	104,5	0,00	69,09	-	-	0,00	0,00	-
38	1.082	1.091	27,54	104,5	0,00	71,76	-	-	0,00	0,00	-
39	951	962	28,98	104,5	0,00	70,66	-	-	0,00	0,00	-
4	3.437	3.439	14,49	106,0	0,00	81,73	-	-	0,00	0,00	-
40	596	613	33,98	104,5	0,00	66,75	-	-	0,00	0,00	-
5	3.790	3.792	13,24	106,0	0,00	82,58	-	-	0,00	0,00	-
6	3.545	3.547	14,09	106,0	0,00	82,00	-	-	0,00	0,00	-
7	4.892	4.893	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
8	5.287	5.288	8,95	106,0	0,00	85,47	-	-	0,00	0,00	-
9	5.330	5.331	8,84	106,0	0,00	85,54	-	-	0,00	0,00	-
Sum			40,92								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremenīō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: V Noise sensitive point: User defined (24)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.364	2.367	19,45	106,0	0,00	78,48	-	-	0,00	0,00	-
10	7.211	7.212	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
11	7.227	7.228	4,95	106,0	0,00	88,18	-	-	0,00	0,00	-
12	7.372	7.373	4,70	106,0	0,00	88,35	-	-	0,00	0,00	-
13	7.551	7.551	4,40	106,0	0,00	88,56	-	-	0,00	0,00	-
14	7.554	7.555	4,39	106,0	0,00	88,56	-	-	0,00	0,00	-
15	8.501	8.502	2,91	106,0	0,00	89,59	-	-	0,00	0,00	-
16	8.763	8.764	2,53	106,0	0,00	89,85	-	-	0,00	0,00	-
17	9.169	9.169	1,96	106,0	0,00	90,25	-	-	0,00	0,00	-
18	1.779	1.780	21,74	104,5	0,00	76,01	-	-	0,00	0,00	-
19	1.464	1.466	24,08	104,5	0,00	74,33	-	-	0,00	0,00	-
2	2.807	2.809	17,19	106,0	0,00	79,97	-	-	0,00	0,00	-
20	1.230	1.233	26,12	104,5	0,00	72,82	-	-	0,00	0,00	-
21	1.153	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-
22	1.119	1.121	27,22	104,5	0,00	72,00	-	-	0,00	0,00	-
23	580	585	34,48	104,5	0,00	66,34	-	-	0,00	0,00	-
24	887	890	29,85	104,5	0,00	69,99	-	-	0,00	0,00	-
25	1.770	1.771	21,81	104,5	0,00	75,97	-	-	0,00	0,00	-
26	1.979	1.980	20,44	104,5	0,00	76,94	-	-	0,00	0,00	-
27	3.127	3.128	14,89	104,5	0,00	80,91	-	-	0,00	0,00	-
28	4.770	4.771	9,83	104,5	0,00	84,57	-	-	0,00	0,00	-
29	5.302	5.303	8,57	104,5	0,00	85,49	-	-	0,00	0,00	-
3	2.615	2.617	18,13	106,0	0,00	79,36	-	-	0,00	0,00	-
30	4.256	4.259	12,13	106,0	0,00	83,59	-	-	0,00	0,00	-
31	1.262	1.270	27,28	106,0	0,00	73,08	-	-	0,00	0,00	-
32	2.969	2.973	16,80	106,0	0,00	80,46	-	-	0,00	0,00	-
33	2.553	2.557	18,74	106,0	0,00	79,15	-	-	0,00	0,00	-
34	2.132	2.137	21,00	106,0	0,00	77,60	-	-	0,00	0,00	-
35	1.224	1.232	27,63	106,0	0,00	72,82	-	-	0,00	0,00	-
36	7.956	7.957	3,38	104,5	0,00	89,02	-	-	0,00	0,00	-
37	750	763	31,57	104,5	0,00	68,65	-	-	0,00	0,00	-
38	1.050	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
39	933	944	29,19	104,5	0,00	70,50	-	-	0,00	0,00	-
4	3.473	3.475	14,35	106,0	0,00	81,82	-	-	0,00	0,00	-
40	566	584	34,51	104,5	0,00	66,33	-	-	0,00	0,00	-
5	3.826	3.828	13,12	106,0	0,00	82,66	-	-	0,00	0,00	-
6	3.583	3.585	13,96	106,0	0,00	82,09	-	-	0,00	0,00	-
7	4.933	4.934	9,84	106,0	0,00	84,86	-	-	0,00	0,00	-
8	5.328	5.329	8,85	106,0	0,00	85,53	-	-	0,00	0,00	-
9	5.371	5.372	8,75	106,0	0,00	85,60	-	-	0,00	0,00	-
Sum			41,24								

- Data undefined due to calculation with octave data

Noise sensitive area: W Noise sensitive point: User defined (25)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.707	2.710	17,67	106,0	0,00	79,66	-	-	0,00	0,00	-
10	6.386	6.387	6,52	106,0	0,00	87,11	-	-	0,00	0,00	-
11	6.447	6.448	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
12	6.621	6.622	6,06	106,0	0,00	87,42	-	-	0,00	0,00	-
13	6.707	6.708	5,90	106,0	0,00	87,53	-	-	0,00	0,00	-
14	6.745	6.746	5,83	106,0	0,00	87,58	-	-	0,00	0,00	-
15	7.821	7.822	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
16	8.014	8.015	3,65	106,0	0,00	89,08	-	-	0,00	0,00	-
17	8.354	8.355	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
18	2.679	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
19	2.402	2.403	18,02	104,5	0,00	78,62	-	-	0,00	0,00	-
2	3.041	3.043	16,12	106,0	0,00	80,67	-	-	0,00	0,00	-
20	2.196	2.198	19,14	104,5	0,00	77,84	-	-	0,00	0,00	-
21	2.039	2.041	20,07	104,5	0,00	77,20	-	-	0,00	0,00	-
22	1.849	1.850	21,27	104,5	0,00	76,35	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremenio, Kūgelio, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.013	1.016	28,36	104,5	0,00	71,14	-	-	0,00	0,00	-
24	717	721	32,20	104,5	0,00	68,16	-	-	0,00	0,00	-
25	814	819	30,79	104,5	0,00	69,26	-	-	0,00	0,00	-
26	1.022	1.025	28,25	104,5	0,00	71,22	-	-	0,00	0,00	-
27	3.069	3.070	15,11	104,5	0,00	80,74	-	-	0,00	0,00	-
28	4.155	4.156	11,48	104,5	0,00	83,37	-	-	0,00	0,00	-
29	4.568	4.569	10,34	104,5	0,00	84,20	-	-	0,00	0,00	-
3	2.735	2.737	17,54	106,0	0,00	79,75	-	-	0,00	0,00	-
30	3.323	3.327	15,35	106,0	0,00	81,44	-	-	0,00	0,00	-
31	2.184	2.189	20,70	106,0	0,00	77,80	-	-	0,00	0,00	-
32	2.302	2.307	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
33	2.054	2.059	21,46	106,0	0,00	77,27	-	-	0,00	0,00	-
34	1.537	1.544	24,97	106,0	0,00	74,77	-	-	0,00	0,00	-
35	1.468	1.475	25,52	106,0	0,00	74,38	-	-	0,00	0,00	-
36	7.167	7.169	4,56	104,5	0,00	88,11	-	-	0,00	0,00	-
37	1.691	1.697	22,33	104,5	0,00	75,59	-	-	0,00	0,00	-
38	2.032	2.037	20,09	104,5	0,00	77,18	-	-	0,00	0,00	-
39	1.871	1.876	21,10	104,5	0,00	76,47	-	-	0,00	0,00	-
4	2.515	2.517	18,64	106,0	0,00	79,02	-	-	0,00	0,00	-
40	1.547	1.553	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
5	2.872	2.874	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
6	2.656	2.658	17,92	106,0	0,00	79,49	-	-	0,00	0,00	-
7	4.257	4.258	11,75	106,0	0,00	83,58	-	-	0,00	0,00	-
8	4.667	4.668	10,56	106,0	0,00	84,38	-	-	0,00	0,00	-
9	4.761	4.762	10,30	106,0	0,00	84,56	-	-	0,00	0,00	-
Sum			38,32								

- Data undefined due to calculation with octave data

Noise sensitive area: X Noise sensitive point: User defined (26)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.766	2.768	17,39	106,0	0,00	79,84	-	-	0,00	0,00	-
10	6.394	6.395	6,51	106,0	0,00	87,12	-	-	0,00	0,00	-
11	6.460	6.461	6,38	106,0	0,00	87,21	-	-	0,00	0,00	-
12	6.637	6.638	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
13	6.713	6.714	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
14	6.755	6.756	5,81	106,0	0,00	87,59	-	-	0,00	0,00	-
15	7.842	7.843	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
16	8.030	8.030	3,62	106,0	0,00	89,09	-	-	0,00	0,00	-
17	8.363	8.364	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-
18	2.689	2.690	16,68	104,5	0,00	79,59	-	-	0,00	0,00	-
19	2.417	2.418	17,94	104,5	0,00	78,67	-	-	0,00	0,00	-
2	3.099	3.101	15,86	106,0	0,00	80,83	-	-	0,00	0,00	-
20	2.216	2.218	19,03	104,5	0,00	77,92	-	-	0,00	0,00	-
21	2.049	2.050	20,01	104,5	0,00	77,24	-	-	0,00	0,00	-
22	1.847	1.848	21,29	104,5	0,00	76,34	-	-	0,00	0,00	-
23	1.008	1.011	28,41	104,5	0,00	71,10	-	-	0,00	0,00	-
24	687	691	32,67	104,5	0,00	67,79	-	-	0,00	0,00	-
25	772	777	31,38	104,5	0,00	68,81	-	-	0,00	0,00	-
26	1.014	1.018	28,34	104,5	0,00	71,15	-	-	0,00	0,00	-
27	3.124	3.125	14,90	104,5	0,00	80,90	-	-	0,00	0,00	-
28	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
29	4.587	4.587	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-
3	2.793	2.795	17,26	106,0	0,00	79,93	-	-	0,00	0,00	-
30	3.317	3.321	15,37	106,0	0,00	81,42	-	-	0,00	0,00	-
31	2.224	2.229	20,47	106,0	0,00	77,96	-	-	0,00	0,00	-
32	2.330	2.335	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
33	2.095	2.100	21,21	106,0	0,00	77,44	-	-	0,00	0,00	-
34	1.574	1.581	24,69	106,0	0,00	74,98	-	-	0,00	0,00	-
35	1.441	1.448	25,74	106,0	0,00	74,22	-	-	0,00	0,00	-
36	7.179	7.181	4,54	104,5	0,00	88,12	-	-	0,00	0,00	-
37	1.709	1.715	22,20	104,5	0,00	75,68	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Āilutēs r.triukōmas

Description:
AĀtuoniō vĕjo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	2.060	2.065	19,92	104,5	0,00	77,30	-	-	0,00	0,00	-
39	1.909	1.914	20,86	104,5	0,00	76,64	-	-	0,00	0,00	-
4	2.503	2.505	18,70	106,0	0,00	78,98	-	-	0,00	0,00	-
40	1.576	1.583	23,17	104,5	0,00	74,99	-	-	0,00	0,00	-
5	2.861	2.863	16,93	106,0	0,00	80,14	-	-	0,00	0,00	-
6	2.651	2.654	17,94	106,0	0,00	79,48	-	-	0,00	0,00	-
7	4.280	4.282	11,67	106,0	0,00	83,63	-	-	0,00	0,00	-
8	4.691	4.693	10,49	106,0	0,00	84,43	-	-	0,00	0,00	-
9	4.790	4.791	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
Sum			38,52								

- Data undefined due to calculation with octave data

Noise sensitive area: Y Noise sensitive point: User defined (27)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.654	2.656	17,93	106,0	0,00	79,49	-	-	0,00	0,00	-
10	6.212	6.213	6,88	106,0	0,00	86,87	-	-	0,00	0,00	-
11	6.270	6.271	6,76	106,0	0,00	86,95	-	-	0,00	0,00	-
12	6.443	6.444	6,41	106,0	0,00	87,18	-	-	0,00	0,00	-
13	6.535	6.536	6,23	106,0	0,00	87,31	-	-	0,00	0,00	-
14	6.570	6.571	6,16	106,0	0,00	87,35	-	-	0,00	0,00	-
15	7.641	7.642	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
16	7.836	7.837	3,93	106,0	0,00	88,88	-	-	0,00	0,00	-
17	8.180	8.181	3,39	106,0	0,00	89,26	-	-	0,00	0,00	-
18	2.835	2.836	16,05	104,5	0,00	80,05	-	-	0,00	0,00	-
19	2.549	2.550	17,31	104,5	0,00	79,13	-	-	0,00	0,00	-
2	2.964	2.966	16,46	106,0	0,00	80,44	-	-	0,00	0,00	-
20	2.333	2.334	18,39	104,5	0,00	78,36	-	-	0,00	0,00	-
21	2.195	2.196	19,15	104,5	0,00	77,83	-	-	0,00	0,00	-
22	2.019	2.021	20,19	104,5	0,00	77,11	-	-	0,00	0,00	-
23	1.187	1.189	26,54	104,5	0,00	72,50	-	-	0,00	0,00	-
24	894	897	29,76	104,5	0,00	70,06	-	-	0,00	0,00	-
25	771	775	31,41	104,5	0,00	68,78	-	-	0,00	0,00	-
26	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
27	2.947	2.948	15,59	104,5	0,00	80,39	-	-	0,00	0,00	-
28	3.977	3.978	12,01	104,5	0,00	82,99	-	-	0,00	0,00	-
29	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
3	2.643	2.645	17,99	106,0	0,00	79,45	-	-	0,00	0,00	-
30	3.167	3.171	15,97	106,0	0,00	81,02	-	-	0,00	0,00	-
31	2.267	2.271	20,23	106,0	0,00	78,13	-	-	0,00	0,00	-
32	2.123	2.128	21,05	106,0	0,00	77,56	-	-	0,00	0,00	-
33	1.888	1.893	22,50	106,0	0,00	76,54	-	-	0,00	0,00	-
34	1.366	1.373	26,36	106,0	0,00	73,76	-	-	0,00	0,00	-
35	1.646	1.653	24,15	106,0	0,00	75,36	-	-	0,00	0,00	-
36	6.991	6.993	4,84	104,5	0,00	87,89	-	-	0,00	0,00	-
37	1.834	1.840	21,34	104,5	0,00	76,30	-	-	0,00	0,00	-
38	2.152	2.156	19,38	104,5	0,00	77,67	-	-	0,00	0,00	-
39	1.963	1.968	20,52	104,5	0,00	76,88	-	-	0,00	0,00	-
4	2.369	2.372	19,42	106,0	0,00	78,50	-	-	0,00	0,00	-
40	1.665	1.671	22,51	104,5	0,00	75,46	-	-	0,00	0,00	-
5	2.725	2.727	17,58	106,0	0,00	79,71	-	-	0,00	0,00	-
6	2.498	2.500	18,73	106,0	0,00	78,96	-	-	0,00	0,00	-
7	4.077	4.079	12,30	106,0	0,00	83,21	-	-	0,00	0,00	-
8	4.487	4.489	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
9	4.583	4.584	10,79	106,0	0,00	84,22	-	-	0,00	0,00	-
Sum			38,00								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: Z Noise sensitive point: User defined (28)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.713	2.715	17,64	106,0	0,00	79,67	-	-	0,00	0,00	-
10	6.191	6.192	6,92	106,0	0,00	86,84	-	-	0,00	0,00	-
11	6.254	6.255	6,79	106,0	0,00	86,92	-	-	0,00	0,00	-
12	6.430	6.431	6,44	106,0	0,00	87,17	-	-	0,00	0,00	-
13	6.512	6.513	6,27	106,0	0,00	87,28	-	-	0,00	0,00	-
14	6.551	6.552	6,20	106,0	0,00	87,33	-	-	0,00	0,00	-
15	7.635	7.636	4,26	106,0	0,00	88,66	-	-	0,00	0,00	-
16	7.823	7.824	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
17	8.160	8.161	3,42	106,0	0,00	89,23	-	-	0,00	0,00	-
18	2.870	2.871	15,91	104,5	0,00	80,16	-	-	0,00	0,00	-
19	2.588	2.589	17,13	104,5	0,00	79,26	-	-	0,00	0,00	-
2	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
20	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
21	2.230	2.231	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
22	2.044	2.045	20,04	104,5	0,00	77,22	-	-	0,00	0,00	-
23	1.208	1.210	26,34	104,5	0,00	72,66	-	-	0,00	0,00	-
24	892	895	29,79	104,5	0,00	70,04	-	-	0,00	0,00	-
25	708	713	32,33	104,5	0,00	68,06	-	-	0,00	0,00	-
26	833	837	30,54	104,5	0,00	69,46	-	-	0,00	0,00	-
27	2.991	2.992	15,42	104,5	0,00	80,52	-	-	0,00	0,00	-
28	3.980	3.981	12,00	104,5	0,00	83,00	-	-	0,00	0,00	-
29	4.379	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
3	2.695	2.697	17,73	106,0	0,00	79,62	-	-	0,00	0,00	-
30	3.132	3.136	16,11	106,0	0,00	80,93	-	-	0,00	0,00	-
31	2.323	2.328	19,92	106,0	0,00	78,34	-	-	0,00	0,00	-
32	2.126	2.131	21,03	106,0	0,00	77,57	-	-	0,00	0,00	-
33	1.908	1.913	22,37	106,0	0,00	76,64	-	-	0,00	0,00	-
34	1.382	1.389	26,23	106,0	0,00	73,86	-	-	0,00	0,00	-
35	1.647	1.653	24,15	106,0	0,00	75,37	-	-	0,00	0,00	-
36	6.974	6.976	4,87	104,5	0,00	87,87	-	-	0,00	0,00	-
37	1.875	1.881	21,07	104,5	0,00	76,49	-	-	0,00	0,00	-
38	2.201	2.205	19,10	104,5	0,00	77,87	-	-	0,00	0,00	-
39	2.018	2.023	20,18	104,5	0,00	77,12	-	-	0,00	0,00	-
4	2.328	2.331	19,65	106,0	0,00	78,35	-	-	0,00	0,00	-
40	1.714	1.720	22,16	104,5	0,00	75,71	-	-	0,00	0,00	-
5	2.684	2.687	17,78	106,0	0,00	79,59	-	-	0,00	0,00	-
6	2.463	2.466	18,91	106,0	0,00	78,84	-	-	0,00	0,00	-
7	4.074	4.075	12,31	106,0	0,00	83,20	-	-	0,00	0,00	-
8	4.485	4.486	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
9	4.585	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
Sum			38,25								

- Data undefined due to calculation with octave data

Noise sensitive area: AA Noise sensitive point: User defined (29)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.608	2.611	18,16	106,0	0,00	79,33	-	-	0,00	0,00	-
10	6.145	6.146	7,02	106,0	0,00	86,77	-	-	0,00	0,00	-
11	6.199	6.201	6,90	106,0	0,00	86,85	-	-	0,00	0,00	-
12	6.370	6.371	6,56	106,0	0,00	87,08	-	-	0,00	0,00	-
13	6.470	6.471	6,36	106,0	0,00	87,22	-	-	0,00	0,00	-
14	6.502	6.503	6,29	106,0	0,00	87,26	-	-	0,00	0,00	-
15	7.565	7.566	4,37	106,0	0,00	88,58	-	-	0,00	0,00	-
16	7.764	7.764	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
17	8.113	8.114	3,49	106,0	0,00	89,18	-	-	0,00	0,00	-
18	2.889	2.890	15,83	104,5	0,00	80,22	-	-	0,00	0,00	-
19	2.598	2.599	17,08	104,5	0,00	79,30	-	-	0,00	0,00	-
2	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
20	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
21	2.250	2.252	18,84	104,5	0,00	78,05	-	-	0,00	0,00	-
22	2.085	2.086	19,79	104,5	0,00	77,39	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpio, Skierio bei Menklaukio kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.255	1.258	25,89	104,5	0,00	72,99	-	-	0,00	0,00	-
24	974	977	28,80	104,5	0,00	70,80	-	-	0,00	0,00	-
25	791	795	31,12	104,5	0,00	69,01	-	-	0,00	0,00	-
26	833	837	30,55	104,5	0,00	69,45	-	-	0,00	0,00	-
27	2.877	2.878	15,88	104,5	0,00	80,18	-	-	0,00	0,00	-
28	3.898	3.899	12,25	104,5	0,00	82,82	-	-	0,00	0,00	-
29	4.315	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
3	2.583	2.585	18,29	106,0	0,00	79,25	-	-	0,00	0,00	-
30	3.116	3.120	16,18	106,0	0,00	80,88	-	-	0,00	0,00	-
31	2.282	2.287	20,15	106,0	0,00	78,18	-	-	0,00	0,00	-
32	2.044	2.049	21,52	106,0	0,00	77,23	-	-	0,00	0,00	-
33	1.807	1.812	23,03	106,0	0,00	76,17	-	-	0,00	0,00	-
34	1.284	1.293	27,07	106,0	0,00	73,23	-	-	0,00	0,00	-
35	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
36	6.921	6.923	4,95	104,5	0,00	87,81	-	-	0,00	0,00	-
37	1.882	1.888	21,03	104,5	0,00	76,52	-	-	0,00	0,00	-
38	2.186	2.191	19,18	104,5	0,00	77,81	-	-	0,00	0,00	-
39	1.983	1.988	20,39	104,5	0,00	76,97	-	-	0,00	0,00	-
4	2.326	2.329	19,66	106,0	0,00	78,34	-	-	0,00	0,00	-
40	1.700	1.706	22,27	104,5	0,00	75,64	-	-	0,00	0,00	-
5	2.679	2.682	17,81	106,0	0,00	79,57	-	-	0,00	0,00	-
6	2.445	2.447	19,01	106,0	0,00	78,77	-	-	0,00	0,00	-
7	4.000	4.001	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-
8	4.410	4.411	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
9	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
Sum			37,91								

- Data undefined due to calculation with octave data

Noise sensitive area: AB Noise sensitive point: User defined (30)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.629	2.631	18,06	106,0	0,00	79,40	-	-	0,00	0,00	-
10	6.138	6.139	7,03	106,0	0,00	86,76	-	-	0,00	0,00	-
11	6.194	6.195	6,91	106,0	0,00	86,84	-	-	0,00	0,00	-
12	6.366	6.367	6,57	106,0	0,00	87,08	-	-	0,00	0,00	-
13	6.462	6.463	6,37	106,0	0,00	87,21	-	-	0,00	0,00	-
14	6.495	6.496	6,31	106,0	0,00	87,25	-	-	0,00	0,00	-
15	7.563	7.564	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
16	7.759	7.760	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
17	8.106	8.106	3,50	106,0	0,00	89,18	-	-	0,00	0,00	-
18	2.901	2.902	15,78	104,5	0,00	80,25	-	-	0,00	0,00	-
19	2.611	2.612	17,02	104,5	0,00	79,34	-	-	0,00	0,00	-
2	2.929	2.930	16,62	106,0	0,00	80,34	-	-	0,00	0,00	-
20	2.391	2.392	18,08	104,5	0,00	78,58	-	-	0,00	0,00	-
21	2.262	2.263	18,77	104,5	0,00	78,09	-	-	0,00	0,00	-
22	2.092	2.094	19,75	104,5	0,00	77,42	-	-	0,00	0,00	-
23	1.262	1.264	25,83	104,5	0,00	73,04	-	-	0,00	0,00	-
24	973	976	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
25	770	774	31,42	104,5	0,00	68,77	-	-	0,00	0,00	-
26	817	821	30,76	104,5	0,00	69,29	-	-	0,00	0,00	-
27	2.891	2.892	15,82	104,5	0,00	80,23	-	-	0,00	0,00	-
28	3.899	3.899	12,24	104,5	0,00	82,82	-	-	0,00	0,00	-
29	4.311	4.312	11,04	104,5	0,00	83,69	-	-	0,00	0,00	-
3	2.601	2.603	18,20	106,0	0,00	79,31	-	-	0,00	0,00	-
30	3.103	3.107	16,23	106,0	0,00	80,85	-	-	0,00	0,00	-
31	2.301	2.306	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
32	2.044	2.050	21,51	106,0	0,00	77,23	-	-	0,00	0,00	-
33	1.813	1.819	22,99	106,0	0,00	76,20	-	-	0,00	0,00	-
34	1.289	1.298	27,03	106,0	0,00	73,26	-	-	0,00	0,00	-
35	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
36	6.915	6.917	4,96	104,5	0,00	87,80	-	-	0,00	0,00	-
37	1.896	1.901	20,94	104,5	0,00	76,58	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukūmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

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Inovacijų k. 3, Biruliskiy k.,
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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	2.202	2.207	19,09	104,5	0,00	77,88	-	-	0,00	0,00	-
39	2.002	2.006	20,28	104,5	0,00	77,05	-	-	0,00	0,00	-
4	2.311	2.314	19,74	106,0	0,00	78,29	-	-	0,00	0,00	-
40	1.716	1.722	22,15	104,5	0,00	75,72	-	-	0,00	0,00	-
5	2.665	2.668	17,88	106,0	0,00	79,52	-	-	0,00	0,00	-
6	2.432	2.435	19,08	106,0	0,00	78,73	-	-	0,00	0,00	-
7	3.998	4.000	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-
8	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
9	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
Sum			37,99								

- Data undefined due to calculation with octave data

Noise sensitive area: AC Noise sensitive point: User defined (31)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.658	2.661	17,91	106,0	0,00	79,50	-	-	0,00	0,00	-
10	5.995	5.996	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
11	6.053	6.054	7,21	106,0	0,00	86,64	-	-	0,00	0,00	-
12	6.227	6.228	6,85	106,0	0,00	86,89	-	-	0,00	0,00	-
13	6.318	6.319	6,66	106,0	0,00	87,01	-	-	0,00	0,00	-
14	6.353	6.354	6,59	106,0	0,00	87,06	-	-	0,00	0,00	-
15	7.430	7.431	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
16	7.620	7.621	4,28	106,0	0,00	88,64	-	-	0,00	0,00	-
17	7.963	7.964	3,73	106,0	0,00	89,02	-	-	0,00	0,00	-
18	3.046	3.047	15,20	104,5	0,00	80,68	-	-	0,00	0,00	-
19	2.755	2.756	16,39	104,5	0,00	79,80	-	-	0,00	0,00	-
2	2.937	2.939	16,58	106,0	0,00	80,36	-	-	0,00	0,00	-
20	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
21	2.407	2.408	17,99	104,5	0,00	78,63	-	-	0,00	0,00	-
22	2.236	2.238	18,92	104,5	0,00	78,00	-	-	0,00	0,00	-
23	1.404	1.406	24,58	104,5	0,00	73,96	-	-	0,00	0,00	-
24	1.098	1.100	27,44	104,5	0,00	71,83	-	-	0,00	0,00	-
25	718	722	32,19	104,5	0,00	68,17	-	-	0,00	0,00	-
26	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
27	2.855	2.856	15,97	104,5	0,00	80,11	-	-	0,00	0,00	-
28	3.775	3.776	12,63	104,5	0,00	82,54	-	-	0,00	0,00	-
29	4.175	4.176	11,42	104,5	0,00	83,41	-	-	0,00	0,00	-
3	2.597	2.599	18,22	106,0	0,00	79,30	-	-	0,00	0,00	-
30	2.959	2.963	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
31	2.422	2.426	19,40	106,0	0,00	78,70	-	-	0,00	0,00	-
32	1.921	1.927	22,28	106,0	0,00	76,70	-	-	0,00	0,00	-
33	1.720	1.726	23,63	106,0	0,00	75,74	-	-	0,00	0,00	-
34	1.189	1.198	27,96	106,0	0,00	72,57	-	-	0,00	0,00	-
35	1.852	1.858	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
36	6.774	6.776	5,20	104,5	0,00	87,62	-	-	0,00	0,00	-
37	2.039	2.044	20,05	104,5	0,00	77,21	-	-	0,00	0,00	-
38	2.339	2.343	18,34	104,5	0,00	78,39	-	-	0,00	0,00	-
39	2.127	2.132	19,52	104,5	0,00	77,58	-	-	0,00	0,00	-
4	2.171	2.174	20,55	106,0	0,00	77,74	-	-	0,00	0,00	-
40	1.853	1.858	21,22	104,5	0,00	76,38	-	-	0,00	0,00	-
5	2.524	2.527	18,59	106,0	0,00	79,05	-	-	0,00	0,00	-
6	2.288	2.291	19,87	106,0	0,00	78,20	-	-	0,00	0,00	-
7	3.868	3.870	12,98	106,0	0,00	82,75	-	-	0,00	0,00	-
8	4.279	4.281	11,68	106,0	0,00	83,63	-	-	0,00	0,00	-
9	4.380	4.382	11,38	106,0	0,00	83,83	-	-	0,00	0,00	-
Sum			38,46								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usenø ir Juknaièiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AD Noise sensitive point: User defined (32)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.674	2.676	17,84	106,0	0,00	79,55	-	-	0,00	0,00	-
10	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
11	6.061	6.062	7,19	106,0	0,00	86,65	-	-	0,00	0,00	-
12	6.235	6.236	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
13	6.324	6.325	6,65	106,0	0,00	87,02	-	-	0,00	0,00	-
14	6.359	6.360	6,58	106,0	0,00	87,07	-	-	0,00	0,00	-
15	7.440	7.440	4,58	106,0	0,00	88,43	-	-	0,00	0,00	-
16	7.628	7.629	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
17	7.969	7.970	3,72	106,0	0,00	89,03	-	-	0,00	0,00	-
18	3.043	3.044	15,21	104,5	0,00	80,67	-	-	0,00	0,00	-
19	2.754	2.755	16,40	104,5	0,00	79,80	-	-	0,00	0,00	-
2	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
20	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
21	2.404	2.405	18,01	104,5	0,00	78,62	-	-	0,00	0,00	-
22	2.231	2.232	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
23	1.398	1.400	24,63	104,5	0,00	73,92	-	-	0,00	0,00	-
24	1.087	1.089	27,56	104,5	0,00	71,74	-	-	0,00	0,00	-
25	703	707	32,42	104,5	0,00	67,99	-	-	0,00	0,00	-
26	677	682	32,81	104,5	0,00	67,68	-	-	0,00	0,00	-
27	2.872	2.873	15,90	104,5	0,00	80,17	-	-	0,00	0,00	-
28	3.787	3.788	12,59	104,5	0,00	82,57	-	-	0,00	0,00	-
29	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
3	2.613	2.615	18,14	106,0	0,00	79,35	-	-	0,00	0,00	-
30	2.961	2.965	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
31	2.428	2.432	19,37	106,0	0,00	78,72	-	-	0,00	0,00	-
32	1.933	1.939	22,20	106,0	0,00	76,75	-	-	0,00	0,00	-
33	1.735	1.741	23,52	106,0	0,00	75,82	-	-	0,00	0,00	-
34	1.204	1.212	27,82	106,0	0,00	72,67	-	-	0,00	0,00	-
35	1.842	1.847	22,80	106,0	0,00	76,33	-	-	0,00	0,00	-
36	6.781	6.783	5,18	104,5	0,00	87,63	-	-	0,00	0,00	-
37	2.038	2.043	20,05	104,5	0,00	77,20	-	-	0,00	0,00	-
38	2.341	2.345	18,33	104,5	0,00	78,40	-	-	0,00	0,00	-
39	2.132	2.137	19,49	104,5	0,00	77,60	-	-	0,00	0,00	-
4	2.170	2.173	20,56	106,0	0,00	77,74	-	-	0,00	0,00	-
40	1.855	1.860	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	2.523	2.526	18,60	106,0	0,00	79,05	-	-	0,00	0,00	-
6	2.290	2.293	19,86	106,0	0,00	78,21	-	-	0,00	0,00	-
7	3.879	3.880	12,94	106,0	0,00	82,78	-	-	0,00	0,00	-
8	4.290	4.291	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
9	4.392	4.393	11,34	106,0	0,00	83,86	-	-	0,00	0,00	-
Sum			38,52								

- Data undefined due to calculation with octave data

Noise sensitive area: AE Noise sensitive point: User defined (33)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.672	2.674	17,84	106,0	0,00	79,54	-	-	0,00	0,00	-
10	5.516	5.518	8,40	106,0	0,00	85,83	-	-	0,00	0,00	-
11	5.571	5.572	8,28	106,0	0,00	85,92	-	-	0,00	0,00	-
12	5.744	5.745	7,88	106,0	0,00	86,19	-	-	0,00	0,00	-
13	5.843	5.844	7,66	106,0	0,00	86,33	-	-	0,00	0,00	-
14	5.872	5.873	7,60	106,0	0,00	86,38	-	-	0,00	0,00	-
15	6.950	6.951	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
16	7.137	7.138	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
17	7.483	7.484	4,51	106,0	0,00	88,48	-	-	0,00	0,00	-
18	3.502	3.503	13,53	104,5	0,00	81,89	-	-	0,00	0,00	-
19	3.198	3.199	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
2	2.874	2.876	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
20	2.961	2.962	15,54	104,5	0,00	80,43	-	-	0,00	0,00	-
21	2.865	2.866	15,93	104,5	0,00	80,15	-	-	0,00	0,00	-
22	2.713	2.714	16,57	104,5	0,00	79,67	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijų k. 3, Biruliskiy k.,
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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	1.885	1.886	21,04	104,5	0,00	76,51	-	-	0,00	0,00	-
24	1.574	1.576	23,22	104,5	0,00	74,95	-	-	0,00	0,00	-
25	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
26	420	428	37,79	104,5	0,00	63,63	-	-	0,00	0,00	-
27	2.643	2.644	16,88	104,5	0,00	79,45	-	-	0,00	0,00	-
28	3.312	3.313	14,20	104,5	0,00	81,40	-	-	0,00	0,00	-
29	3.693	3.693	12,90	104,5	0,00	82,35	-	-	0,00	0,00	-
3	2.497	2.499	18,74	106,0	0,00	78,96	-	-	0,00	0,00	-
30	2.528	2.532	18,86	106,0	0,00	79,07	-	-	0,00	0,00	-
31	2.759	2.763	17,75	106,0	0,00	79,83	-	-	0,00	0,00	-
32	1.462	1.470	25,56	106,0	0,00	74,34	-	-	0,00	0,00	-
33	1.350	1.357	26,50	106,0	0,00	73,65	-	-	0,00	0,00	-
34	817	829	32,15	106,0	0,00	69,38	-	-	0,00	0,00	-
35	2.329	2.334	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
36	6.292	6.294	6,04	104,5	0,00	86,98	-	-	0,00	0,00	-
37	2.482	2.486	17,59	104,5	0,00	78,91	-	-	0,00	0,00	-
38	2.743	2.746	16,32	104,5	0,00	79,77	-	-	0,00	0,00	-
39	2.488	2.492	17,56	104,5	0,00	78,93	-	-	0,00	0,00	-
4	1.781	1.785	23,05	106,0	0,00	76,03	-	-	0,00	0,00	-
40	2.263	2.267	18,75	104,5	0,00	78,11	-	-	0,00	0,00	-
5	2.122	2.125	20,84	106,0	0,00	77,55	-	-	0,00	0,00	-
6	1.854	1.858	22,55	106,0	0,00	76,38	-	-	0,00	0,00	-
7	3.392	3.394	14,65	106,0	0,00	81,61	-	-	0,00	0,00	-
8	3.805	3.806	13,19	106,0	0,00	82,61	-	-	0,00	0,00	-
9	3.915	3.916	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
Sum			40,54								

- Data undefined due to calculation with octave data

Noise sensitive area: AF Noise sensitive point: User defined (34)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.734	2.736	17,54	106,0	0,00	79,74	-	-	0,00	0,00	-
10	5.535	5.536	8,36	106,0	0,00	85,86	-	-	0,00	0,00	-
11	5.596	5.597	8,22	106,0	0,00	85,96	-	-	0,00	0,00	-
12	5.773	5.774	7,82	106,0	0,00	86,23	-	-	0,00	0,00	-
13	5.859	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
14	5.893	5.894	7,55	106,0	0,00	86,41	-	-	0,00	0,00	-
15	6.986	6.987	5,38	106,0	0,00	87,89	-	-	0,00	0,00	-
16	7.166	7.166	5,06	106,0	0,00	88,11	-	-	0,00	0,00	-
17	7.503	7.504	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
18	3.496	3.497	13,55	104,5	0,00	81,87	-	-	0,00	0,00	-
19	3.197	3.198	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
2	2.941	2.943	16,57	106,0	0,00	80,37	-	-	0,00	0,00	-
20	2.964	2.965	15,52	104,5	0,00	80,44	-	-	0,00	0,00	-
21	2.858	2.859	15,96	104,5	0,00	80,12	-	-	0,00	0,00	-
22	2.696	2.697	16,65	104,5	0,00	79,62	-	-	0,00	0,00	-
23	1.864	1.865	21,18	104,5	0,00	76,41	-	-	0,00	0,00	-
24	1.538	1.540	23,50	104,5	0,00	74,75	-	-	0,00	0,00	-
25	805	808	30,94	104,5	0,00	69,15	-	-	0,00	0,00	-
26	361	370	39,29	104,5	0,00	62,35	-	-	0,00	0,00	-
27	2.715	2.716	16,57	104,5	0,00	79,68	-	-	0,00	0,00	-
28	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
29	3.726	3.727	12,79	104,5	0,00	82,43	-	-	0,00	0,00	-
3	2.566	2.568	18,38	106,0	0,00	79,19	-	-	0,00	0,00	-
30	2.522	2.526	18,89	106,0	0,00	79,05	-	-	0,00	0,00	-
31	2.783	2.786	17,64	106,0	0,00	79,90	-	-	0,00	0,00	-
32	1.513	1.520	25,16	106,0	0,00	74,64	-	-	0,00	0,00	-
33	1.417	1.424	25,93	106,0	0,00	74,07	-	-	0,00	0,00	-
34	885	897	31,27	106,0	0,00	70,06	-	-	0,00	0,00	-
35	2.293	2.297	20,09	106,0	0,00	78,22	-	-	0,00	0,00	-
36	6.316	6.317	6,00	104,5	0,00	87,01	-	-	0,00	0,00	-
37	2.481	2.484	17,60	104,5	0,00	78,90	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukūmas

Description:
Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliiū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

Licensed user:
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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	2.752	2.756	16,27	104,5	0,00	79,80	-	-	0,00	0,00	-
39	2.507	2.511	17,46	104,5	0,00	79,00	-	-	0,00	0,00	-
4	1.761	1.765	23,19	106,0	0,00	75,93	-	-	0,00	0,00	-
40	2.271	2.275	18,71	104,5	0,00	78,14	-	-	0,00	0,00	-
5	2.106	2.109	20,94	106,0	0,00	77,48	-	-	0,00	0,00	-
6	1.848	1.852	22,59	106,0	0,00	76,35	-	-	0,00	0,00	-
7	3.433	3.435	14,50	106,0	0,00	81,72	-	-	0,00	0,00	-
8	3.846	3.848	13,05	106,0	0,00	82,70	-	-	0,00	0,00	-
9	3.961	3.963	12,67	106,0	0,00	82,96	-	-	0,00	0,00	-
Sum			41,36								

- Data undefined due to calculation with octave data

Noise sensitive area: AG Noise sensitive point: User defined (35)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.030	4.032	12,45	106,0	0,00	83,11	-	-	0,00	0,00	-
10	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
11	2.987	2.989	16,36	106,0	0,00	80,51	-	-	0,00	0,00	-
12	3.170	3.171	15,56	106,0	0,00	81,02	-	-	0,00	0,00	-
13	3.301	3.303	15,01	106,0	0,00	81,38	-	-	0,00	0,00	-
14	3.296	3.298	15,03	106,0	0,00	81,36	-	-	0,00	0,00	-
15	4.432	4.433	11,23	106,0	0,00	83,93	-	-	0,00	0,00	-
16	4.560	4.561	10,86	106,0	0,00	84,18	-	-	0,00	0,00	-
17	4.910	4.911	9,90	106,0	0,00	84,82	-	-	0,00	0,00	-
18	6.037	6.037	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
19	5.710	5.710	7,70	104,5	0,00	86,13	-	-	0,00	0,00	-
2	3.883	3.884	12,93	106,0	0,00	82,79	-	-	0,00	0,00	-
20	5.446	5.446	8,25	104,5	0,00	85,72	-	-	0,00	0,00	-
21	5.411	5.412	8,33	104,5	0,00	85,67	-	-	0,00	0,00	-
22	5.292	5.292	8,59	104,5	0,00	85,47	-	-	0,00	0,00	-
23	4.468	4.469	10,61	104,5	0,00	84,00	-	-	0,00	0,00	-
24	4.139	4.139	11,53	104,5	0,00	83,34	-	-	0,00	0,00	-
25	3.131	3.132	14,87	104,5	0,00	80,92	-	-	0,00	0,00	-
26	2.540	2.541	17,35	104,5	0,00	79,10	-	-	0,00	0,00	-
27	3.073	3.074	15,09	104,5	0,00	80,75	-	-	0,00	0,00	-
28	1.285	1.287	25,62	104,5	0,00	73,19	-	-	0,00	0,00	-
29	1.174	1.176	26,67	104,5	0,00	72,41	-	-	0,00	0,00	-
3	3.491	3.493	14,29	106,0	0,00	81,86	-	-	0,00	0,00	-
30	1.144	1.153	28,40	106,0	0,00	72,24	-	-	0,00	0,00	-
31	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
32	1.389	1.397	26,16	106,0	0,00	73,90	-	-	0,00	0,00	-
33	1.994	1.999	21,83	106,0	0,00	77,01	-	-	0,00	0,00	-
34	2.189	2.194	20,67	106,0	0,00	77,82	-	-	0,00	0,00	-
35	4.888	4.890	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
36	3.709	3.711	12,42	104,5	0,00	82,39	-	-	0,00	0,00	-
37	5.005	5.007	8,69	104,5	0,00	84,99	-	-	0,00	0,00	-
38	5.178	5.180	8,29	104,5	0,00	85,29	-	-	0,00	0,00	-
39	4.843	4.844	9,07	104,5	0,00	84,70	-	-	0,00	0,00	-
4	1.591	1.594	24,45	106,0	0,00	75,05	-	-	0,00	0,00	-
40	4.730	4.732	9,35	104,5	0,00	84,50	-	-	0,00	0,00	-
5	1.443	1.447	25,64	106,0	0,00	74,21	-	-	0,00	0,00	-
6	1.224	1.229	27,59	106,0	0,00	72,79	-	-	0,00	0,00	-
7	1.089	1.093	28,96	106,0	0,00	71,77	-	-	0,00	0,00	-
8	1.470	1.474	25,41	106,0	0,00	74,37	-	-	0,00	0,00	-
9	1.729	1.731	23,43	106,0	0,00	75,77	-	-	0,00	0,00	-
Sum			37,25								

- Data undefined due to calculation with octave data

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AH Noise sensitive point: User defined (36)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.071	4.072	12,32	106,0	0,00	83,20	-	-	0,00	0,00	-
10	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
11	2.947	2.949	16,54	106,0	0,00	80,39	-	-	0,00	0,00	-
12	3.131	3.133	15,72	106,0	0,00	80,92	-	-	0,00	0,00	-
13	3.258	3.260	15,19	106,0	0,00	81,27	-	-	0,00	0,00	-
14	3.254	3.256	15,20	106,0	0,00	81,25	-	-	0,00	0,00	-
15	4.397	4.398	11,33	106,0	0,00	83,87	-	-	0,00	0,00	-
16	4.521	4.523	10,97	106,0	0,00	84,11	-	-	0,00	0,00	-
17	4.868	4.869	10,01	106,0	0,00	84,75	-	-	0,00	0,00	-
18	6.079	6.080	6,96	104,5	0,00	86,68	-	-	0,00	0,00	-
19	5.752	5.753	7,61	104,5	0,00	86,20	-	-	0,00	0,00	-
2	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
20	5.488	5.489	8,16	104,5	0,00	85,79	-	-	0,00	0,00	-
21	5.453	5.454	8,24	104,5	0,00	85,73	-	-	0,00	0,00	-
22	5.333	5.334	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
23	4.509	4.509	10,50	104,5	0,00	84,08	-	-	0,00	0,00	-
24	4.178	4.179	11,41	104,5	0,00	83,42	-	-	0,00	0,00	-
25	3.167	3.168	14,74	104,5	0,00	81,02	-	-	0,00	0,00	-
26	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
27	3.109	3.110	14,96	104,5	0,00	80,85	-	-	0,00	0,00	-
28	1.284	1.286	25,63	104,5	0,00	73,18	-	-	0,00	0,00	-
29	1.142	1.145	26,98	104,5	0,00	72,18	-	-	0,00	0,00	-
3	3.530	3.532	14,15	106,0	0,00	81,96	-	-	0,00	0,00	-
30	1.141	1.151	28,43	106,0	0,00	72,22	-	-	0,00	0,00	-
31	5.084	5.086	9,97	106,0	0,00	85,13	-	-	0,00	0,00	-
32	1.432	1.439	25,81	106,0	0,00	74,16	-	-	0,00	0,00	-
33	2.036	2.041	21,57	106,0	0,00	77,20	-	-	0,00	0,00	-
34	2.232	2.237	20,43	106,0	0,00	77,99	-	-	0,00	0,00	-
35	4.927	4.929	10,33	106,0	0,00	84,86	-	-	0,00	0,00	-
36	3.668	3.671	12,56	104,5	0,00	82,29	-	-	0,00	0,00	-
37	5.048	5.049	8,59	104,5	0,00	85,06	-	-	0,00	0,00	-
38	5.221	5.223	8,20	104,5	0,00	85,36	-	-	0,00	0,00	-
39	4.886	4.887	8,97	104,5	0,00	84,78	-	-	0,00	0,00	-
4	1.611	1.614	24,30	106,0	0,00	75,16	-	-	0,00	0,00	-
40	4.773	4.775	9,24	104,5	0,00	84,58	-	-	0,00	0,00	-
5	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
6	1.245	1.250	27,39	106,0	0,00	72,94	-	-	0,00	0,00	-
7	1.075	1.079	29,11	106,0	0,00	71,66	-	-	0,00	0,00	-
8	1.451	1.454	25,57	106,0	0,00	74,25	-	-	0,00	0,00	-
9	1.715	1.718	23,53	106,0	0,00	75,70	-	-	0,00	0,00	-
Sum			37,25								

- Data undefined due to calculation with octave data

Noise sensitive area: AI Noise sensitive point: User defined (37)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.121	4.122	12,16	106,0	0,00	83,30	-	-	0,00	0,00	-
10	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
11	3.097	3.099	15,87	106,0	0,00	80,82	-	-	0,00	0,00	-
12	3.302	3.304	15,00	106,0	0,00	81,38	-	-	0,00	0,00	-
13	3.349	3.351	14,81	106,0	0,00	81,50	-	-	0,00	0,00	-
14	3.379	3.380	14,70	106,0	0,00	81,58	-	-	0,00	0,00	-
15	4.598	4.599	10,75	106,0	0,00	84,25	-	-	0,00	0,00	-
16	4.686	4.687	10,51	106,0	0,00	84,42	-	-	0,00	0,00	-
17	4.987	4.988	9,70	106,0	0,00	84,96	-	-	0,00	0,00	-
18	5.981	5.981	7,15	104,5	0,00	86,54	-	-	0,00	0,00	-
19	5.661	5.662	7,80	104,5	0,00	86,06	-	-	0,00	0,00	-
2	4.002	4.003	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
20	5.404	5.405	8,35	104,5	0,00	85,66	-	-	0,00	0,00	-
21	5.349	5.350	8,47	104,5	0,00	85,57	-	-	0,00	0,00	-
22	5.211	5.211	8,78	104,5	0,00	85,34	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	4.380	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
24	4.030	4.030	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
25	2.986	2.987	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
26	2.414	2.415	17,95	104,5	0,00	78,66	-	-	0,00	0,00	-
27	3.222	3.223	14,53	104,5	0,00	81,16	-	-	0,00	0,00	-
28	1.546	1.547	23,44	104,5	0,00	74,79	-	-	0,00	0,00	-
29	1.370	1.372	24,87	104,5	0,00	73,75	-	-	0,00	0,00	-
3	3.603	3.604	13,89	106,0	0,00	82,14	-	-	0,00	0,00	-
30	886	898	31,26	106,0	0,00	70,06	-	-	0,00	0,00	-
31	5.038	5.040	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
32	1.430	1.437	25,83	106,0	0,00	74,15	-	-	0,00	0,00	-
33	2.050	2.055	21,48	106,0	0,00	77,26	-	-	0,00	0,00	-
34	2.183	2.187	20,71	106,0	0,00	77,80	-	-	0,00	0,00	-
35	4.773	4.775	10,71	106,0	0,00	84,58	-	-	0,00	0,00	-
36	3.809	3.812	12,07	104,5	0,00	82,62	-	-	0,00	0,00	-
37	4.951	4.953	8,82	104,5	0,00	84,90	-	-	0,00	0,00	-
38	5.148	5.149	8,36	104,5	0,00	85,24	-	-	0,00	0,00	-
39	4.826	4.828	9,11	104,5	0,00	84,68	-	-	0,00	0,00	-
4	1.359	1.364	26,35	106,0	0,00	73,69	-	-	0,00	0,00	-
40	4.690	4.692	9,45	104,5	0,00	84,43	-	-	0,00	0,00	-
5	1.190	1.195	27,92	106,0	0,00	72,55	-	-	0,00	0,00	-
6	998	1.004	29,96	106,0	0,00	71,03	-	-	0,00	0,00	-
7	1.338	1.342	26,54	106,0	0,00	73,56	-	-	0,00	0,00	-
8	1.708	1.711	23,58	106,0	0,00	75,67	-	-	0,00	0,00	-
9	1.979	1.981	21,74	106,0	0,00	76,94	-	-	0,00	0,00	-
Sum			37,70								

- Data undefined due to calculation with octave data

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.459	4.460	11,15	106,0	0,00	83,99	-	-	0,00	0,00	-
10	2.772	2.774	17,36	106,0	0,00	79,86	-	-	0,00	0,00	-
11	2.895	2.897	16,78	106,0	0,00	80,24	-	-	0,00	0,00	-
12	3.126	3.128	15,75	106,0	0,00	80,91	-	-	0,00	0,00	-
13	3.083	3.085	15,93	106,0	0,00	80,78	-	-	0,00	0,00	-
14	3.144	3.146	15,67	106,0	0,00	80,96	-	-	0,00	0,00	-
15	4.462	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
16	4.494	4.495	11,05	106,0	0,00	84,05	-	-	0,00	0,00	-
17	4.742	4.743	10,35	106,0	0,00	84,52	-	-	0,00	0,00	-
18	6.262	6.262	6,61	104,5	0,00	86,93	-	-	0,00	0,00	-
19	5.948	5.948	7,22	104,5	0,00	86,49	-	-	0,00	0,00	-
2	4.338	4.340	11,50	106,0	0,00	83,75	-	-	0,00	0,00	-
20	5.696	5.697	7,72	104,5	0,00	86,11	-	-	0,00	0,00	-
21	5.627	5.628	7,87	104,5	0,00	86,01	-	-	0,00	0,00	-
22	5.473	5.473	8,20	104,5	0,00	85,76	-	-	0,00	0,00	-
23	4.637	4.638	10,17	104,5	0,00	84,33	-	-	0,00	0,00	-
24	4.270	4.270	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
25	3.191	3.192	14,65	104,5	0,00	81,08	-	-	0,00	0,00	-
26	2.646	2.647	16,87	104,5	0,00	79,45	-	-	0,00	0,00	-
27	3.552	3.552	13,36	104,5	0,00	82,01	-	-	0,00	0,00	-
28	1.703	1.704	22,27	104,5	0,00	75,63	-	-	0,00	0,00	-
29	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
3	3.940	3.941	12,74	106,0	0,00	82,91	-	-	0,00	0,00	-
30	764	778	32,87	106,0	0,00	68,82	-	-	0,00	0,00	-
31	5.352	5.354	9,37	106,0	0,00	85,57	-	-	0,00	0,00	-
32	1.764	1.770	23,32	106,0	0,00	75,96	-	-	0,00	0,00	-
33	2.386	2.390	19,59	106,0	0,00	78,57	-	-	0,00	0,00	-
34	2.501	2.504	19,00	106,0	0,00	78,97	-	-	0,00	0,00	-
35	5.005	5.007	10,15	106,0	0,00	84,99	-	-	0,00	0,00	-
36	3.591	3.594	12,84	104,5	0,00	82,11	-	-	0,00	0,00	-
37	5.235	5.237	8,16	104,5	0,00	85,38	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukūmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.survilė@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	5.447	5.448	7,70	104,5	0,00	85,72	-	-	0,00	0,00	-
39	5.133	5.135	8,39	104,5	0,00	85,21	-	-	0,00	0,00	-
4	1.437	1.441	25,69	106,0	0,00	74,17	-	-	0,00	0,00	-
40	4.984	4.986	8,74	104,5	0,00	84,95	-	-	0,00	0,00	-
5	1.191	1.196	27,91	106,0	0,00	72,55	-	-	0,00	0,00	-
6	1.105	1.111	28,78	106,0	0,00	71,91	-	-	0,00	0,00	-
7	1.428	1.432	25,76	106,0	0,00	74,12	-	-	0,00	0,00	-
8	1.750	1.753	23,28	106,0	0,00	75,87	-	-	0,00	0,00	-
9	2.056	2.058	21,25	106,0	0,00	77,27	-	-	0,00	0,00	-
Sum			37,64								

- Data undefined due to calculation with octave data

Noise sensitive area: AK Noise sensitive point: User defined (39)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.488	4.489	11,06	106,0	0,00	84,04	-	-	0,00	0,00	-
10	2.723	2.725	17,59	106,0	0,00	79,71	-	-	0,00	0,00	-
11	2.846	2.848	17,01	106,0	0,00	80,09	-	-	0,00	0,00	-
12	3.077	3.079	15,96	106,0	0,00	80,77	-	-	0,00	0,00	-
13	3.035	3.037	16,14	106,0	0,00	80,65	-	-	0,00	0,00	-
14	3.095	3.097	15,88	106,0	0,00	80,82	-	-	0,00	0,00	-
15	4.414	4.415	11,28	106,0	0,00	83,90	-	-	0,00	0,00	-
16	4.444	4.445	11,19	106,0	0,00	83,96	-	-	0,00	0,00	-
17	4.694	4.695	10,48	106,0	0,00	84,43	-	-	0,00	0,00	-
18	6.307	6.308	6,53	104,5	0,00	87,00	-	-	0,00	0,00	-
19	5.993	5.993	7,13	104,5	0,00	86,55	-	-	0,00	0,00	-
2	4.363	4.364	11,43	106,0	0,00	83,80	-	-	0,00	0,00	-
20	5.740	5.741	7,63	104,5	0,00	86,18	-	-	0,00	0,00	-
21	5.673	5.673	7,77	104,5	0,00	86,08	-	-	0,00	0,00	-
22	5.520	5.520	8,10	104,5	0,00	85,84	-	-	0,00	0,00	-
23	4.685	4.685	10,04	104,5	0,00	84,41	-	-	0,00	0,00	-
24	4.318	4.318	11,02	104,5	0,00	83,71	-	-	0,00	0,00	-
25	3.240	3.241	14,46	104,5	0,00	81,21	-	-	0,00	0,00	-
26	2.694	2.695	16,66	104,5	0,00	79,61	-	-	0,00	0,00	-
27	3.571	3.571	13,30	104,5	0,00	82,06	-	-	0,00	0,00	-
28	1.684	1.686	22,41	104,5	0,00	75,54	-	-	0,00	0,00	-
29	1.291	1.293	25,57	104,5	0,00	73,23	-	-	0,00	0,00	-
3	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
30	800	814	32,37	106,0	0,00	69,21	-	-	0,00	0,00	-
31	5.393	5.394	9,28	106,0	0,00	85,64	-	-	0,00	0,00	-
32	1.797	1.803	23,10	106,0	0,00	76,12	-	-	0,00	0,00	-
33	2.418	2.422	19,42	106,0	0,00	78,68	-	-	0,00	0,00	-
34	2.540	2.544	18,80	106,0	0,00	79,11	-	-	0,00	0,00	-
35	5.053	5.055	10,04	106,0	0,00	85,07	-	-	0,00	0,00	-
36	3.542	3.544	13,02	104,5	0,00	81,99	-	-	0,00	0,00	-
37	5.280	5.282	8,06	104,5	0,00	85,46	-	-	0,00	0,00	-
38	5.490	5.491	7,61	104,5	0,00	85,79	-	-	0,00	0,00	-
39	5.175	5.177	8,30	104,5	0,00	85,28	-	-	0,00	0,00	-
4	1.484	1.488	25,29	106,0	0,00	74,45	-	-	0,00	0,00	-
40	5.028	5.030	8,64	104,5	0,00	85,03	-	-	0,00	0,00	-
5	1.236	1.240	27,48	106,0	0,00	72,87	-	-	0,00	0,00	-
6	1.154	1.160	28,28	106,0	0,00	72,29	-	-	0,00	0,00	-
7	1.402	1.405	25,99	106,0	0,00	73,96	-	-	0,00	0,00	-
8	1.716	1.719	23,52	106,0	0,00	75,71	-	-	0,00	0,00	-
9	2.025	2.028	21,44	106,0	0,00	77,14	-	-	0,00	0,00	-
Sum			37,39								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpiø, Skierio bei Menklaukiø kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AL Noise sensitive point: User defined (40)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	7.150	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
10	1.215	1.220	27,68	106,0	0,00	72,73	-	-	0,00	0,00	-
11	831	838	32,02	106,0	0,00	69,46	-	-	0,00	0,00	-
12	589	599	35,74	106,0	0,00	66,54	-	-	0,00	0,00	-
13	1.293	1.297	26,95	106,0	0,00	73,26	-	-	0,00	0,00	-
14	857	864	31,67	106,0	0,00	69,73	-	-	0,00	0,00	-
15	993	998	30,02	106,0	0,00	70,98	-	-	0,00	0,00	-
16	804	811	32,38	106,0	0,00	69,18	-	-	0,00	0,00	-
17	1.474	1.478	25,38	106,0	0,00	74,39	-	-	0,00	0,00	-
18	9.721	9.722	1,57	104,5	0,00	90,75	-	-	0,00	0,00	-
19	9.378	9.379	1,97	104,5	0,00	90,44	-	-	0,00	0,00	-
2	6.815	6.816	5,70	106,0	0,00	87,67	-	-	0,00	0,00	-
20	9.098	9.098	2,32	104,5	0,00	90,18	-	-	0,00	0,00	-
21	9.111	9.111	2,30	104,5	0,00	90,19	-	-	0,00	0,00	-
22	9.025	9.026	2,41	104,5	0,00	90,11	-	-	0,00	0,00	-
23	8.212	8.212	3,48	104,5	0,00	89,29	-	-	0,00	0,00	-
24	7.896	7.896	3,93	104,5	0,00	88,95	-	-	0,00	0,00	-
25	6.873	6.874	5,53	104,5	0,00	87,74	-	-	0,00	0,00	-
26	6.295	6.295	6,55	104,5	0,00	86,98	-	-	0,00	0,00	-
27	5.899	5.900	7,31	104,5	0,00	86,42	-	-	0,00	0,00	-
28	3.321	3.321	14,17	104,5	0,00	81,43	-	-	0,00	0,00	-
29	2.657	2.659	16,82	104,5	0,00	79,49	-	-	0,00	0,00	-
3	6.528	6.529	6,24	106,0	0,00	87,30	-	-	0,00	0,00	-
30	4.313	4.315	11,95	106,0	0,00	83,70	-	-	0,00	0,00	-
31	8.578	8.579	4,01	106,0	0,00	89,67	-	-	0,00	0,00	-
32	4.993	4.995	10,18	106,0	0,00	84,97	-	-	0,00	0,00	-
33	5.483	5.484	9,09	106,0	0,00	85,78	-	-	0,00	0,00	-
34	5.833	5.835	8,38	106,0	0,00	86,32	-	-	0,00	0,00	-
35	8.646	8.647	3,92	106,0	0,00	89,74	-	-	0,00	0,00	-
36	480	501	36,14	104,5	0,00	65,00	-	-	0,00	0,00	-
37	8.692	8.693	2,39	104,5	0,00	89,78	-	-	0,00	0,00	-
38	8.804	8.805	2,25	104,5	0,00	89,89	-	-	0,00	0,00	-
39	8.431	8.432	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
4	5.121	5.122	9,36	106,0	0,00	85,19	-	-	0,00	0,00	-
40	8.387	8.389	2,79	104,5	0,00	89,47	-	-	0,00	0,00	-
5	4.825	4.827	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
6	4.807	4.808	10,18	106,0	0,00	84,64	-	-	0,00	0,00	-
7	3.062	3.064	16,03	106,0	0,00	80,73	-	-	0,00	0,00	-
8	2.711	2.713	17,65	106,0	0,00	79,67	-	-	0,00	0,00	-
9	2.804	2.806	17,20	106,0	0,00	79,96	-	-	0,00	0,00	-
Sum			41,88								

- Data undefined due to calculation with octave data

Noise sensitive area: AM Noise sensitive point: User defined (41)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	7.210	7.211	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
10	1.206	1.211	27,77	106,0	0,00	72,66	-	-	0,00	0,00	-
11	850	857	31,77	106,0	0,00	69,65	-	-	0,00	0,00	-
12	634	642	34,97	106,0	0,00	67,15	-	-	0,00	0,00	-
13	1.261	1.266	27,24	106,0	0,00	73,05	-	-	0,00	0,00	-
14	836	843	31,95	106,0	0,00	69,52	-	-	0,00	0,00	-
15	1.020	1.025	29,71	106,0	0,00	71,22	-	-	0,00	0,00	-
16	764	771	32,95	106,0	0,00	68,74	-	-	0,00	0,00	-
17	1.404	1.408	25,97	106,0	0,00	73,97	-	-	0,00	0,00	-
18	9.769	9.769	1,51	104,5	0,00	90,80	-	-	0,00	0,00	-
19	9.427	9.427	1,91	104,5	0,00	90,49	-	-	0,00	0,00	-
2	6.878	6.878	5,58	106,0	0,00	87,75	-	-	0,00	0,00	-
20	9.147	9.148	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
21	9.158	9.158	2,24	104,5	0,00	90,24	-	-	0,00	0,00	-
22	9.069	9.069	2,35	104,5	0,00	90,15	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	8.255	8.255	3,42	104,5	0,00	89,33	-	-	0,00	0,00	-
24	7.935	7.936	3,87	104,5	0,00	88,99	-	-	0,00	0,00	-
25	6.908	6.909	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
26	6.332	6.333	6,48	104,5	0,00	87,03	-	-	0,00	0,00	-
27	5.962	5.962	7,19	104,5	0,00	86,51	-	-	0,00	0,00	-
28	3.378	3.379	13,97	104,5	0,00	81,57	-	-	0,00	0,00	-
29	2.704	2.705	16,61	104,5	0,00	79,64	-	-	0,00	0,00	-
3	6.589	6.590	6,13	106,0	0,00	87,38	-	-	0,00	0,00	-
30	4.336	4.338	11,89	106,0	0,00	83,75	-	-	0,00	0,00	-
31	8.631	8.632	3,94	106,0	0,00	89,72	-	-	0,00	0,00	-
32	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
33	5.534	5.535	8,98	106,0	0,00	85,86	-	-	0,00	0,00	-
34	5.880	5.882	8,28	106,0	0,00	86,39	-	-	0,00	0,00	-
35	8.685	8.686	3,87	106,0	0,00	89,78	-	-	0,00	0,00	-
36	429	452	37,23	104,5	0,00	64,10	-	-	0,00	0,00	-
37	8.740	8.741	2,33	104,5	0,00	89,83	-	-	0,00	0,00	-
38	8.854	8.855	2,19	104,5	0,00	89,94	-	-	0,00	0,00	-
39	8.483	8.484	2,67	104,5	0,00	89,57	-	-	0,00	0,00	-
4	5.148	5.149	9,29	106,0	0,00	85,23	-	-	0,00	0,00	-
40	8.436	8.437	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
5	4.850	4.851	10,06	106,0	0,00	84,72	-	-	0,00	0,00	-
6	4.837	4.838	10,10	106,0	0,00	84,69	-	-	0,00	0,00	-
7	3.115	3.117	15,80	106,0	0,00	80,87	-	-	0,00	0,00	-
8	2.767	2.769	17,38	106,0	0,00	79,85	-	-	0,00	0,00	-
9	2.866	2.867	16,92	106,0	0,00	80,15	-	-	0,00	0,00	-
Sum			42,11								

- Data undefined due to calculation with octave data

Noise sensitive area: AN Noise sensitive point: User defined (42)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	7.277	7.278	4,86	106,0	0,00	88,24	-	-	0,00	0,00	-
10	1.291	1.295	26,97	106,0	0,00	73,25	-	-	0,00	0,00	-
11	940	946	30,64	106,0	0,00	70,52	-	-	0,00	0,00	-
12	716	723	33,66	106,0	0,00	68,19	-	-	0,00	0,00	-
13	1.332	1.336	26,60	106,0	0,00	73,52	-	-	0,00	0,00	-
14	915	922	30,94	106,0	0,00	70,29	-	-	0,00	0,00	-
15	952	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
16	678	687	34,24	106,0	0,00	67,73	-	-	0,00	0,00	-
17	1.363	1.368	26,31	106,0	0,00	73,72	-	-	0,00	0,00	-
18	9.850	9.850	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
19	9.507	9.507	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
2	6.942	6.942	5,46	106,0	0,00	87,83	-	-	0,00	0,00	-
20	9.227	9.227	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
21	9.239	9.239	2,14	104,5	0,00	90,31	-	-	0,00	0,00	-
22	9.152	9.152	2,25	104,5	0,00	90,23	-	-	0,00	0,00	-
23	8.339	8.339	3,31	104,5	0,00	89,42	-	-	0,00	0,00	-
24	8.021	8.021	3,75	104,5	0,00	89,08	-	-	0,00	0,00	-
25	6.995	6.996	5,32	104,5	0,00	87,90	-	-	0,00	0,00	-
26	6.419	6.419	6,32	104,5	0,00	87,15	-	-	0,00	0,00	-
27	6.026	6.026	7,06	104,5	0,00	86,60	-	-	0,00	0,00	-
28	3.449	3.450	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
29	2.785	2.786	16,26	104,5	0,00	79,90	-	-	0,00	0,00	-
3	6.656	6.656	6,00	106,0	0,00	87,46	-	-	0,00	0,00	-
30	4.425	4.428	11,62	106,0	0,00	83,92	-	-	0,00	0,00	-
31	8.707	8.708	3,85	106,0	0,00	89,80	-	-	0,00	0,00	-
32	5.121	5.123	9,88	106,0	0,00	85,19	-	-	0,00	0,00	-
33	5.611	5.613	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
34	5.961	5.963	8,13	106,0	0,00	86,51	-	-	0,00	0,00	-
35	8.771	8.772	3,76	106,0	0,00	89,86	-	-	0,00	0,00	-
36	484	505	36,06	104,5	0,00	65,06	-	-	0,00	0,00	-
37	8.821	8.822	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	8.933	8.934	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
39	8.560	8.561	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
4	5.237	5.238	9,07	106,0	0,00	85,38	-	-	0,00	0,00	-
40	8.516	8.517	2,62	104,5	0,00	89,61	-	-	0,00	0,00	-
5	4.939	4.940	9,83	106,0	0,00	84,88	-	-	0,00	0,00	-
6	4.925	4.926	9,86	106,0	0,00	84,85	-	-	0,00	0,00	-
7	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
8	2.840	2.841	17,04	106,0	0,00	80,07	-	-	0,00	0,00	-
9	2.931	2.933	16,61	106,0	0,00	80,35	-	-	0,00	0,00	-
Sum			41,53								

- Data undefined due to calculation with octave data

Noise sensitive area: AO Noise sensitive point: User defined (43)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	7.283	7.284	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
10	1.265	1.270	27,20	106,0	0,00	73,07	-	-	0,00	0,00	-
11	924	930	30,83	106,0	0,00	70,37	-	-	0,00	0,00	-
12	711	719	33,73	106,0	0,00	68,13	-	-	0,00	0,00	-
13	1.300	1.305	26,88	106,0	0,00	73,31	-	-	0,00	0,00	-
14	887	893	31,29	106,0	0,00	70,02	-	-	0,00	0,00	-
15	984	990	30,12	106,0	0,00	70,91	-	-	0,00	0,00	-
16	686	694	34,12	106,0	0,00	67,83	-	-	0,00	0,00	-
17	1.345	1.350	26,47	106,0	0,00	73,60	-	-	0,00	0,00	-
18	9.847	9.847	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
19	9.504	9.505	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
2	6.949	6.950	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
20	9.225	9.225	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
21	9.235	9.235	2,15	104,5	0,00	90,31	-	-	0,00	0,00	-
22	9.147	9.147	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
23	8.333	8.333	3,32	104,5	0,00	89,42	-	-	0,00	0,00	-
24	8.013	8.013	3,76	104,5	0,00	89,08	-	-	0,00	0,00	-
25	6.985	6.986	5,34	104,5	0,00	87,88	-	-	0,00	0,00	-
26	6.410	6.410	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
27	6.033	6.033	7,05	104,5	0,00	86,61	-	-	0,00	0,00	-
28	3.453	3.453	13,70	104,5	0,00	81,76	-	-	0,00	0,00	-
29	2.782	2.783	16,28	104,5	0,00	79,89	-	-	0,00	0,00	-
3	6.662	6.662	5,99	106,0	0,00	87,47	-	-	0,00	0,00	-
30	4.410	4.412	11,66	106,0	0,00	83,89	-	-	0,00	0,00	-
31	8.707	8.708	3,84	106,0	0,00	89,80	-	-	0,00	0,00	-
32	5.118	5.120	9,89	106,0	0,00	85,19	-	-	0,00	0,00	-
33	5.611	5.612	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
34	5.958	5.960	8,13	106,0	0,00	86,50	-	-	0,00	0,00	-
35	8.763	8.764	3,77	106,0	0,00	89,85	-	-	0,00	0,00	-
36	451	473	36,74	104,5	0,00	64,50	-	-	0,00	0,00	-
37	8.817	8.818	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-
38	8.931	8.932	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
39	8.559	8.560	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
4	5.224	5.225	9,10	106,0	0,00	85,36	-	-	0,00	0,00	-
40	8.514	8.515	2,62	104,5	0,00	89,60	-	-	0,00	0,00	-
5	4.924	4.925	9,87	106,0	0,00	84,85	-	-	0,00	0,00	-
6	4.913	4.914	9,90	106,0	0,00	84,83	-	-	0,00	0,00	-
7	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
8	2.842	2.844	17,02	106,0	0,00	80,08	-	-	0,00	0,00	-
9	2.938	2.939	16,58	106,0	0,00	80,37	-	-	0,00	0,00	-
Sum			41,77								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukōmas

Description:
Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremenio, Kūgelio, Okslindpio, Skierio bei Menklaukio kaimuose) statyba ir eksploatacija

Licensed user:
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LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AP Noise sensitive point: User defined (48)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
10	6.267	6.268	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
11	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
12	5.955	5.956	7,42	106,0	0,00	86,50	-	-	0,00	0,00	-
13	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
14	6.454	6.455	6,39	106,0	0,00	87,20	-	-	0,00	0,00	-
15	6.564	6.565	6,17	106,0	0,00	87,34	-	-	0,00	0,00	-
16	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
17	7.901	7.902	3,82	106,0	0,00	88,96	-	-	0,00	0,00	-
18	4.848	4.848	9,64	104,5	0,00	84,71	-	-	0,00	0,00	-
19	4.492	4.493	10,54	104,5	0,00	84,05	-	-	0,00	0,00	-
2	958	964	30,42	106,0	0,00	70,68	-	-	0,00	0,00	-
20	4.199	4.200	11,35	104,5	0,00	83,46	-	-	0,00	0,00	-
21	4.489	4.490	10,55	104,5	0,00	84,04	-	-	0,00	0,00	-
22	4.715	4.716	9,97	104,5	0,00	84,47	-	-	0,00	0,00	-
23	4.314	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
24	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
25	4.412	4.413	10,76	104,5	0,00	83,90	-	-	0,00	0,00	-
26	3.977	3.978	12,00	104,5	0,00	82,99	-	-	0,00	0,00	-
27	1.012	1.015	28,36	104,5	0,00	71,13	-	-	0,00	0,00	-
28	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
29	4.272	4.273	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
3	1.159	1.164	28,23	106,0	0,00	72,32	-	-	0,00	0,00	-
30	4.886	4.889	10,43	106,0	0,00	84,78	-	-	0,00	0,00	-
31	3.354	3.357	15,23	106,0	0,00	81,52	-	-	0,00	0,00	-
32	2.986	2.990	16,73	106,0	0,00	80,51	-	-	0,00	0,00	-
33	2.497	2.502	19,01	106,0	0,00	78,96	-	-	0,00	0,00	-
34	2.873	2.877	17,23	106,0	0,00	80,18	-	-	0,00	0,00	-
35	4.965	4.967	10,24	106,0	0,00	84,92	-	-	0,00	0,00	-
36	6.667	6.669	5,38	104,5	0,00	87,48	-	-	0,00	0,00	-
37	4.111	4.114	11,07	104,5	0,00	83,28	-	-	0,00	0,00	-
38	3.861	3.864	11,89	104,5	0,00	82,74	-	-	0,00	0,00	-
39	3.449	3.452	13,36	104,5	0,00	81,76	-	-	0,00	0,00	-
4	4.656	4.658	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
40	3.738	3.741	12,32	104,5	0,00	82,46	-	-	0,00	0,00	-
5	4.825	4.826	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
6	4.440	4.442	11,20	106,0	0,00	83,95	-	-	0,00	0,00	-
7	3.746	3.747	13,39	106,0	0,00	82,47	-	-	0,00	0,00	-
8	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
9	3.707	3.709	13,52	106,0	0,00	82,38	-	-	0,00	0,00	-
Sum			35,31								

- Data undefined due to calculation with octave data

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.417	1.421	25,85	106,0	0,00	74,05	-	-	0,00	0,00	-
10	6.256	6.258	6,79	106,0	0,00	86,93	-	-	0,00	0,00	-
11	5.994	5.995	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
12	5.950	5.952	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
13	6.669	6.670	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
14	6.446	6.447	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
15	6.568	6.569	6,17	106,0	0,00	87,35	-	-	0,00	0,00	-
16	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
17	7.898	7.899	3,83	106,0	0,00	88,95	-	-	0,00	0,00	-
18	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
19	4.456	4.457	10,64	104,5	0,00	83,98	-	-	0,00	0,00	-
2	919	926	30,88	106,0	0,00	70,33	-	-	0,00	0,00	-
20	4.162	4.163	11,46	104,5	0,00	83,39	-	-	0,00	0,00	-
21	4.451	4.452	10,66	104,5	0,00	83,97	-	-	0,00	0,00	-
22	4.676	4.676	10,07	104,5	0,00	84,40	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgelio, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	4.273	4.274	11,14	104,5	0,00	83,62	-	-	0,00	0,00	-
24	4.384	4.385	10,84	104,5	0,00	83,84	-	-	0,00	0,00	-
25	4.371	4.372	10,87	104,5	0,00	83,81	-	-	0,00	0,00	-
26	3.937	3.938	12,13	104,5	0,00	82,91	-	-	0,00	0,00	-
27	977	980	28,76	104,5	0,00	70,83	-	-	0,00	0,00	-
28	3.346	3.347	14,08	104,5	0,00	81,49	-	-	0,00	0,00	-
29	4.258	4.259	11,19	104,5	0,00	83,59	-	-	0,00	0,00	-
3	1.117	1.123	28,65	106,0	0,00	72,01	-	-	0,00	0,00	-
30	4.856	4.859	10,50	106,0	0,00	84,73	-	-	0,00	0,00	-
31	3.319	3.322	15,37	106,0	0,00	81,43	-	-	0,00	0,00	-
32	2.953	2.957	16,87	106,0	0,00	80,42	-	-	0,00	0,00	-
33	2.461	2.465	19,20	106,0	0,00	78,84	-	-	0,00	0,00	-
34	2.834	2.838	17,40	106,0	0,00	80,06	-	-	0,00	0,00	-
35	4.924	4.926	10,34	106,0	0,00	84,85	-	-	0,00	0,00	-
36	6.662	6.664	5,39	104,5	0,00	87,47	-	-	0,00	0,00	-
37	4.072	4.075	11,20	104,5	0,00	83,20	-	-	0,00	0,00	-
38	3.824	3.827	12,02	104,5	0,00	82,66	-	-	0,00	0,00	-
39	3.411	3.414	13,50	104,5	0,00	81,67	-	-	0,00	0,00	-
4	4.622	4.623	10,68	106,0	0,00	84,30	-	-	0,00	0,00	-
40	3.699	3.701	12,45	104,5	0,00	82,37	-	-	0,00	0,00	-
5	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
6	4.407	4.409	11,30	106,0	0,00	83,89	-	-	0,00	0,00	-
7	3.731	3.733	13,44	106,0	0,00	82,44	-	-	0,00	0,00	-
8	3.910	3.912	12,84	106,0	0,00	82,85	-	-	0,00	0,00	-
9	3.700	3.701	13,55	106,0	0,00	82,37	-	-	0,00	0,00	-
Sum			35,68								

- Data undefined due to calculation with octave data

Noise sensitive area: AR Noise sensitive point: User defined (50)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.071	1.077	29,14	106,0	0,00	71,64	-	-	0,00	0,00	-
10	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
11	6.438	6.439	6,42	106,0	0,00	87,18	-	-	0,00	0,00	-
12	6.409	6.410	6,48	106,0	0,00	87,14	-	-	0,00	0,00	-
13	7.089	7.090	5,19	106,0	0,00	88,01	-	-	0,00	0,00	-
14	6.884	6.885	5,57	106,0	0,00	87,76	-	-	0,00	0,00	-
15	7.064	7.065	5,24	106,0	0,00	87,98	-	-	0,00	0,00	-
16	7.629	7.630	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
17	8.359	8.360	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
18	4.401	4.402	10,79	104,5	0,00	83,87	-	-	0,00	0,00	-
19	4.054	4.054	11,78	104,5	0,00	83,16	-	-	0,00	0,00	-
2	656	665	34,59	106,0	0,00	67,46	-	-	0,00	0,00	-
20	3.767	3.768	12,66	104,5	0,00	82,52	-	-	0,00	0,00	-
21	4.082	4.083	11,69	104,5	0,00	83,22	-	-	0,00	0,00	-
22	4.339	4.339	10,96	104,5	0,00	83,75	-	-	0,00	0,00	-
23	4.009	4.010	11,91	104,5	0,00	83,06	-	-	0,00	0,00	-
24	4.172	4.173	11,43	104,5	0,00	83,41	-	-	0,00	0,00	-
25	4.294	4.295	11,09	104,5	0,00	83,66	-	-	0,00	0,00	-
26	3.920	3.921	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
27	1.196	1.198	26,45	104,5	0,00	72,57	-	-	0,00	0,00	-
28	3.754	3.755	12,70	104,5	0,00	82,49	-	-	0,00	0,00	-
29	4.653	4.654	10,12	104,5	0,00	84,36	-	-	0,00	0,00	-
3	1.013	1.019	29,79	106,0	0,00	71,16	-	-	0,00	0,00	-
30	5.075	5.077	9,99	106,0	0,00	85,11	-	-	0,00	0,00	-
31	2.909	2.913	17,07	106,0	0,00	80,29	-	-	0,00	0,00	-
32	3.135	3.139	16,10	106,0	0,00	80,93	-	-	0,00	0,00	-
33	2.583	2.587	18,59	106,0	0,00	79,26	-	-	0,00	0,00	-
34	2.876	2.880	17,21	106,0	0,00	80,19	-	-	0,00	0,00	-
35	4.656	4.658	11,00	106,0	0,00	84,36	-	-	0,00	0,00	-
36	7.116	7.118	4,64	104,5	0,00	88,05	-	-	0,00	0,00	-
37	3.724	3.726	12,36	104,5	0,00	82,43	-	-	0,00	0,00	-

To be continued on next page...

Project:
8 VE Īilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	3.435	3.438	13,41	104,5	0,00	81,73	-	-	0,00	0,00	-
39	3.035	3.038	15,02	104,5	0,00	80,65	-	-	0,00	0,00	-
4	4.758	4.760	10,31	106,0	0,00	84,55	-	-	0,00	0,00	-
40	3.358	3.361	13,71	104,5	0,00	81,53	-	-	0,00	0,00	-
5	4.960	4.962	9,77	106,0	0,00	84,91	-	-	0,00	0,00	-
6	4.577	4.579	10,81	106,0	0,00	84,21	-	-	0,00	0,00	-
7	4.128	4.129	12,14	106,0	0,00	83,32	-	-	0,00	0,00	-
8	4.336	4.337	11,51	106,0	0,00	83,74	-	-	0,00	0,00	-
9	4.145	4.147	12,09	106,0	0,00	83,35	-	-	0,00	0,00	-
Sum			37,56								

- Data undefined due to calculation with octave data

Noise sensitive area: AS Noise sensitive point: User defined (51)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.037	1.043	29,52	106,0	0,00	71,36	-	-	0,00	0,00	-
10	6.640	6.641	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
11	6.401	6.402	6,49	106,0	0,00	87,13	-	-	0,00	0,00	-
12	6.374	6.375	6,55	106,0	0,00	87,09	-	-	0,00	0,00	-
13	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
14	6.846	6.848	5,64	106,0	0,00	87,71	-	-	0,00	0,00	-
15	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
16	7.599	7.600	4,32	106,0	0,00	88,62	-	-	0,00	0,00	-
17	8.325	8.326	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
18	4.380	4.381	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
19	4.031	4.032	11,84	104,5	0,00	83,11	-	-	0,00	0,00	-
2	611	620	35,36	106,0	0,00	66,85	-	-	0,00	0,00	-
20	3.744	3.744	12,73	104,5	0,00	82,47	-	-	0,00	0,00	-
21	4.055	4.056	11,77	104,5	0,00	83,16	-	-	0,00	0,00	-
22	4.308	4.308	11,05	104,5	0,00	83,69	-	-	0,00	0,00	-
23	3.971	3.972	12,02	104,5	0,00	82,98	-	-	0,00	0,00	-
24	4.130	4.131	11,55	104,5	0,00	83,32	-	-	0,00	0,00	-
25	4.245	4.246	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
26	3.869	3.870	12,33	104,5	0,00	82,75	-	-	0,00	0,00	-
27	1.148	1.150	26,93	104,5	0,00	72,22	-	-	0,00	0,00	-
28	3.714	3.715	12,83	104,5	0,00	82,40	-	-	0,00	0,00	-
29	4.612	4.613	10,23	104,5	0,00	84,28	-	-	0,00	0,00	-
3	962	968	30,37	106,0	0,00	70,72	-	-	0,00	0,00	-
30	5.024	5.027	10,11	106,0	0,00	85,03	-	-	0,00	0,00	-
31	2.887	2.891	17,16	106,0	0,00	80,22	-	-	0,00	0,00	-
32	3.084	3.087	16,31	106,0	0,00	80,79	-	-	0,00	0,00	-
33	2.531	2.535	18,84	106,0	0,00	79,08	-	-	0,00	0,00	-
34	2.824	2.828	17,45	106,0	0,00	80,03	-	-	0,00	0,00	-
35	4.618	4.621	11,09	106,0	0,00	84,29	-	-	0,00	0,00	-
36	7.081	7.083	4,69	104,5	0,00	88,00	-	-	0,00	0,00	-
37	3.694	3.697	12,47	104,5	0,00	82,36	-	-	0,00	0,00	-
38	3.410	3.413	13,51	104,5	0,00	81,66	-	-	0,00	0,00	-
39	3.008	3.012	15,13	104,5	0,00	80,58	-	-	0,00	0,00	-
4	4.707	4.708	10,45	106,0	0,00	84,46	-	-	0,00	0,00	-
40	3.328	3.331	13,83	104,5	0,00	81,45	-	-	0,00	0,00	-
5	4.909	4.910	9,91	106,0	0,00	84,82	-	-	0,00	0,00	-
6	4.526	4.527	10,95	106,0	0,00	84,12	-	-	0,00	0,00	-
7	4.087	4.088	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
8	4.297	4.299	11,62	106,0	0,00	83,67	-	-	0,00	0,00	-
9	4.109	4.111	12,20	106,0	0,00	83,28	-	-	0,00	0,00	-
Sum			38,15								

- Data undefined due to calculation with octave data

Project:
8 VE Āilutēs r.triukōmas

Description:
Ađtuoniō vējo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:
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Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninēs VENOise calculation model: ISO 9613-2 General 10,0 m/s

Noise sensitive area: AT Noise sensitive point: User defined (52)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.197	1.201	27,86	106,0	0,00	72,59	-	-	0,00	0,00	-
10	5.548	5.549	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
11	5.379	5.380	8,73	106,0	0,00	85,62	-	-	0,00	0,00	-
12	5.408	5.409	8,66	106,0	0,00	85,66	-	-	0,00	0,00	-
13	5.948	5.949	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
14	5.799	5.800	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
15	6.265	6.266	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
16	6.718	6.719	5,88	106,0	0,00	87,55	-	-	0,00	0,00	-
17	7.347	7.347	4,74	106,0	0,00	88,32	-	-	0,00	0,00	-
18	4.246	4.247	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
19	3.878	3.878	12,31	104,5	0,00	82,77	-	-	0,00	0,00	-
2	951	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
20	3.573	3.574	13,29	104,5	0,00	82,06	-	-	0,00	0,00	-
21	3.762	3.762	12,67	104,5	0,00	82,51	-	-	0,00	0,00	-
22	3.886	3.887	12,28	104,5	0,00	82,79	-	-	0,00	0,00	-
23	3.324	3.325	14,16	104,5	0,00	81,44	-	-	0,00	0,00	-
24	3.333	3.334	14,12	104,5	0,00	81,46	-	-	0,00	0,00	-
25	3.149	3.150	14,80	104,5	0,00	80,97	-	-	0,00	0,00	-
26	2.678	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
27	353	362	39,51	104,5	0,00	62,17	-	-	0,00	0,00	-
28	2.652	2.653	16,84	104,5	0,00	79,48	-	-	0,00	0,00	-
29	3.485	3.486	13,59	104,5	0,00	81,85	-	-	0,00	0,00	-
3	585	595	35,80	106,0	0,00	66,49	-	-	0,00	0,00	-
30	3.684	3.687	14,01	106,0	0,00	82,33	-	-	0,00	0,00	-
31	2.841	2.845	17,37	106,0	0,00	80,08	-	-	0,00	0,00	-
32	1.740	1.747	23,48	106,0	0,00	75,85	-	-	0,00	0,00	-
33	1.197	1.207	27,88	106,0	0,00	72,63	-	-	0,00	0,00	-
34	1.560	1.567	24,79	106,0	0,00	74,90	-	-	0,00	0,00	-
35	3.964	3.966	13,06	106,0	0,00	82,97	-	-	0,00	0,00	-
36	6.090	6.092	6,41	104,5	0,00	86,70	-	-	0,00	0,00	-
37	3.341	3.344	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
38	3.234	3.237	14,20	104,5	0,00	81,20	-	-	0,00	0,00	-
39	2.810	2.814	16,00	104,5	0,00	79,99	-	-	0,00	0,00	-
4	3.373	3.375	14,72	106,0	0,00	81,56	-	-	0,00	0,00	-
40	2.967	2.970	15,31	104,5	0,00	80,46	-	-	0,00	0,00	-
5	3.567	3.568	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
6	3.183	3.185	15,50	106,0	0,00	81,06	-	-	0,00	0,00	-
7	2.978	2.980	16,40	106,0	0,00	80,49	-	-	0,00	0,00	-
8	3.263	3.265	15,16	106,0	0,00	81,28	-	-	0,00	0,00	-
9	3.154	3.155	15,63	106,0	0,00	80,98	-	-	0,00	0,00	-
Sum			42,14								

- Data undefined due to calculation with octave data

Noise sensitive area: AU Noise sensitive point: User defined (53)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	681	690	34,19	106,0	0,00	67,78	-	-	0,00	0,00	-
10	6.633	6.634	6,04	106,0	0,00	87,43	-	-	0,00	0,00	-
11	6.421	6.422	6,45	106,0	0,00	87,15	-	-	0,00	0,00	-
12	6.414	6.415	6,47	106,0	0,00	87,14	-	-	0,00	0,00	-
13	7.039	7.040	5,28	106,0	0,00	87,95	-	-	0,00	0,00	-
14	6.858	6.859	5,62	106,0	0,00	87,72	-	-	0,00	0,00	-
15	7.141	7.142	5,10	106,0	0,00	88,08	-	-	0,00	0,00	-
16	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-
17	8.365	8.366	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-
18	4.048	4.048	11,79	104,5	0,00	83,15	-	-	0,00	0,00	-
19	3.695	3.696	12,89	104,5	0,00	82,35	-	-	0,00	0,00	-
2	286	306	42,73	106,0	0,00	60,70	-	-	0,00	0,00	-
20	3.405	3.405	13,87	104,5	0,00	81,64	-	-	0,00	0,00	-
21	3.708	3.709	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
22	3.955	3.956	12,07	104,5	0,00	82,94	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Detailed results

Calculation: Foninės VENOise calculation model: ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	3.615	3.616	13,15	104,5	0,00	82,16	-	-	0,00	0,00	-
24	3.779	3.780	12,62	104,5	0,00	82,55	-	-	0,00	0,00	-
25	3.927	3.927	12,16	104,5	0,00	82,88	-	-	0,00	0,00	-
26	3.574	3.575	13,29	104,5	0,00	82,07	-	-	0,00	0,00	-
27	1.071	1.074	27,71	104,5	0,00	71,62	-	-	0,00	0,00	-
28	3.707	3.708	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
29	4.584	4.585	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-
3	690	698	34,06	106,0	0,00	67,88	-	-	0,00	0,00	-
30	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
31	2.554	2.558	18,73	106,0	0,00	79,16	-	-	0,00	0,00	-
32	2.901	2.905	17,10	106,0	0,00	80,26	-	-	0,00	0,00	-
33	2.319	2.324	19,94	106,0	0,00	78,32	-	-	0,00	0,00	-
34	2.564	2.568	18,68	106,0	0,00	79,19	-	-	0,00	0,00	-
35	4.262	4.265	12,11	106,0	0,00	83,60	-	-	0,00	0,00	-
36	7.114	7.116	4,64	104,5	0,00	88,04	-	-	0,00	0,00	-
37	3.343	3.346	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
38	3.069	3.072	14,87	104,5	0,00	80,75	-	-	0,00	0,00	-
39	2.663	2.666	16,70	104,5	0,00	79,52	-	-	0,00	0,00	-
4	4.483	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
40	2.975	2.978	15,28	104,5	0,00	80,48	-	-	0,00	0,00	-
5	4.702	4.704	10,46	106,0	0,00	84,45	-	-	0,00	0,00	-
6	4.322	4.324	11,55	106,0	0,00	83,72	-	-	0,00	0,00	-
7	4.064	4.066	12,34	106,0	0,00	83,18	-	-	0,00	0,00	-
8	4.304	4.306	11,60	106,0	0,00	83,68	-	-	0,00	0,00	-
9	4.142	4.144	12,10	106,0	0,00	83,35	-	-	0,00	0,00	-
Sum			44,03								

- Data undefined due to calculation with octave data

Project:
8 VE Ėilutės r. triukšomas

Description:
Aðtuoniø vėjo elektrinių (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Foninės VE

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

Octave data required

Frequency dependent air absorption

63	125	250	500	1.000	2.000	4.000	8.000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0,10	0,40	1,00	1,90	3,70	9,70	32,80	117,00

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTG: GE WIND ENERGY GE 2.5-120 2500 120.0 !O!

Noise: Level 0 - Calculated - NO - 05-2015

Source	Source/Date	Creator	Edited
Manufacturer	2015.05.05	EMD	2016.12.01 13:44

Based on Document Noise_Emissions-NO_2.x-DFIG-120-xxHz_3MW_EN_r01.

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data								
					63	125	250	500	1000	2000	4000	8000	
					[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Interpolated	110,0	10,0	106,0	No	84,8	94,0	98,5	100,6	100,7	97,7	89,2	72,1	

WTG: NORDEX N131/3000 3000 131.0 !O!

Noise: Mode 0 - 104.5 dB(A) - R00

Source	Source/Date	Creator	Edited
NORDEX	2013.12.03	EMD	2015.01.21 15:58

F008_246_A03_R00, 21.11.2013

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data								
					63	125	250	500	1000	2000	4000	8000	
					[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From other hub height	80,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2	81,7
From Windcat	144,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2	81,7

WTG: GE WIND ENERGY 5.3-158 Thrust 700 5300 158.0 !O!

Noise: 5.3-158 NO

Source	Source/Date	Creator	Edited
Noise_Emission-NO_5.3-158-50Hz_IEC_EN_r01	2018.03.12	EMD	2019.02.06 10:21

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data								
					63	125	250	500	1000	2000	4000	8000	
					[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Interpolated	149,0	10,0	106,0	No	Generic data	87,6	94,6	98,0	100,6	100,4	97,5	92,7	83,2

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Foninēs VE

Noise sensitive area: A Noise sensitive point: User defined (1)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: B Noise sensitive point: User defined (2)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: C Noise sensitive point: User defined (4)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: D Noise sensitive point: User defined (5)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: E Noise sensitive point: User defined (6)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: F Noise sensitive point: User defined (7)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: G Noise sensitive point: User defined (8)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: H Noise sensitive point: User defined (9)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: I Noise sensitive point: User defined (11)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukūmas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Foninės VE

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: J Noise sensitive point: User defined (12)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: K Noise sensitive point: User defined (13)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: L Noise sensitive point: User defined (14)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: M Noise sensitive point: User defined (15)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: N Noise sensitive point: User defined (16)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: O Noise sensitive point: User defined (17)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: P Noise sensitive point: User defined (18)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Q Noise sensitive point: User defined (19)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Foninēs VE

Noise sensitive area: R Noise sensitive point: User defined (20)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: S Noise sensitive point: User defined (21)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: T Noise sensitive point: User defined (22)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: U Noise sensitive point: User defined (23)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: V Noise sensitive point: User defined (24)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: W Noise sensitive point: User defined (25)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: X Noise sensitive point: User defined (26)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Y Noise sensitive point: User defined (27)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Z Noise sensitive point: User defined (28)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Foninės VE

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AA Noise sensitive point: User defined (29)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AB Noise sensitive point: User defined (30)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AC Noise sensitive point: User defined (31)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AD Noise sensitive point: User defined (32)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AE Noise sensitive point: User defined (33)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AF Noise sensitive point: User defined (34)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AG Noise sensitive point: User defined (35)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AH Noise sensitive point: User defined (36)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r. triukūomas

Description:

Aūtuoniū vėjo elektriniū (Ėilutės raj. sav. Usėnū ir Juknaiėiū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Foninės VE

Noise sensitive area: AI Noise sensitive point: User defined (37)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AK Noise sensitive point: User defined (39)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AL Noise sensitive point: User defined (40)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AM Noise sensitive point: User defined (41)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AN Noise sensitive point: User defined (42)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AO Noise sensitive point: User defined (43)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AP Noise sensitive point: User defined (48)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Īilutēs r.triukōmas

Description:

Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Foninēs VE

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AR Noise sensitive point: User defined (50)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AS Noise sensitive point: User defined (51)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AT Noise sensitive point: User defined (52)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AU Noise sensitive point: User defined (53)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

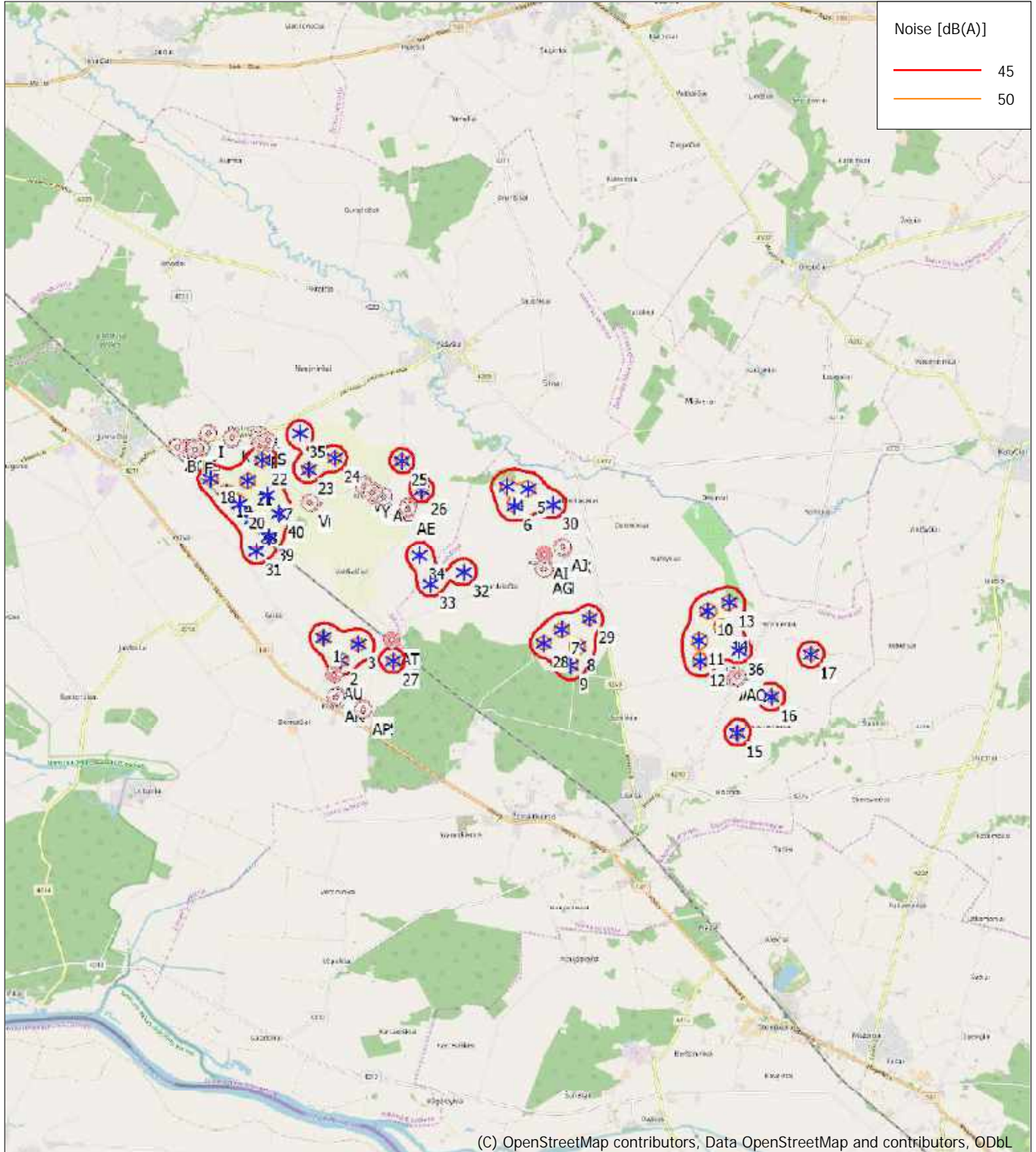
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoņiō vējo elektriniō (Īilutēs raj. sav. Usenō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Foninēs VE



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:100.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 353.094 North: 6.128.105

* Existing WTG

■ Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s

Height above sea level from active line object

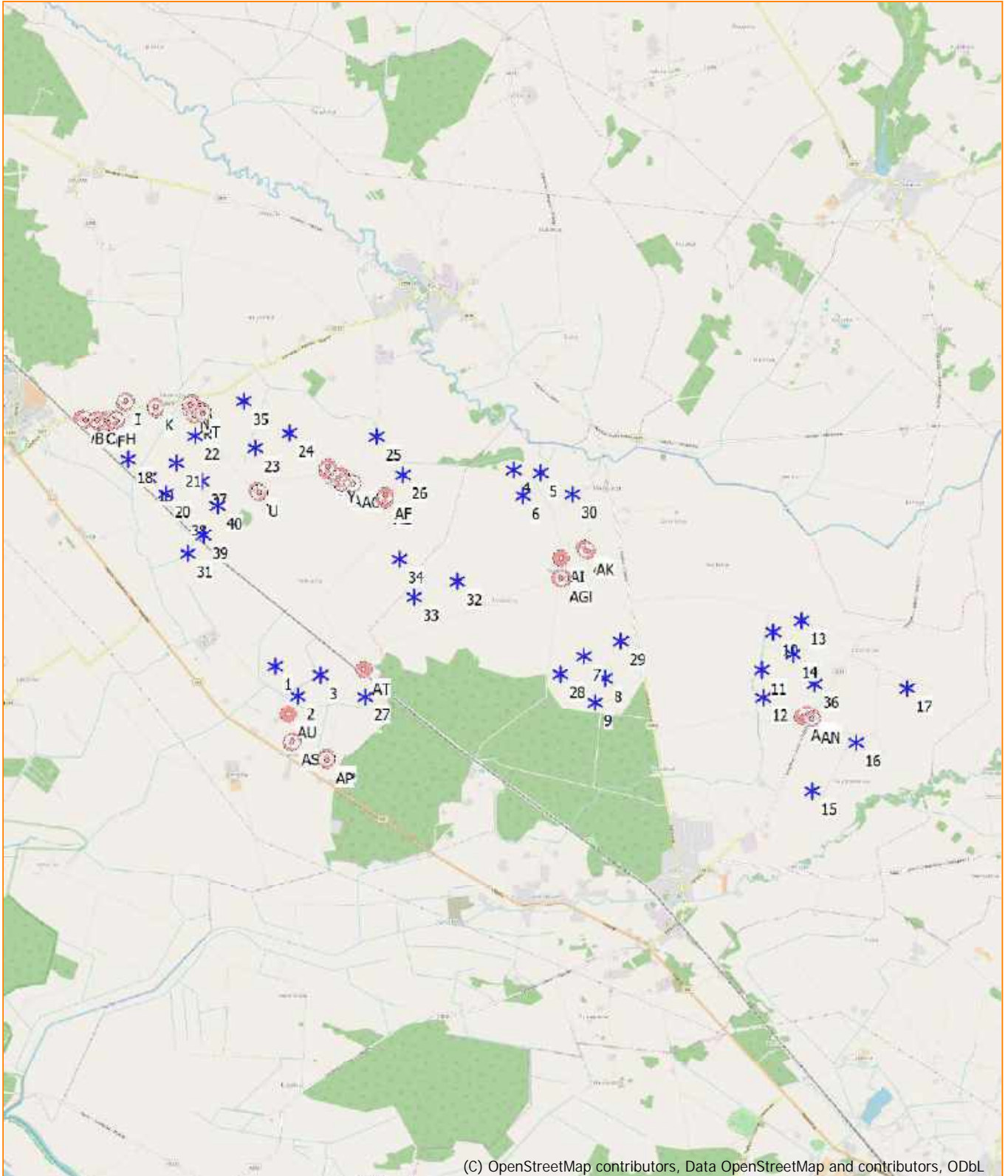
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usenō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Foninēs VE



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131
* Existing WTG Noise sensitive area

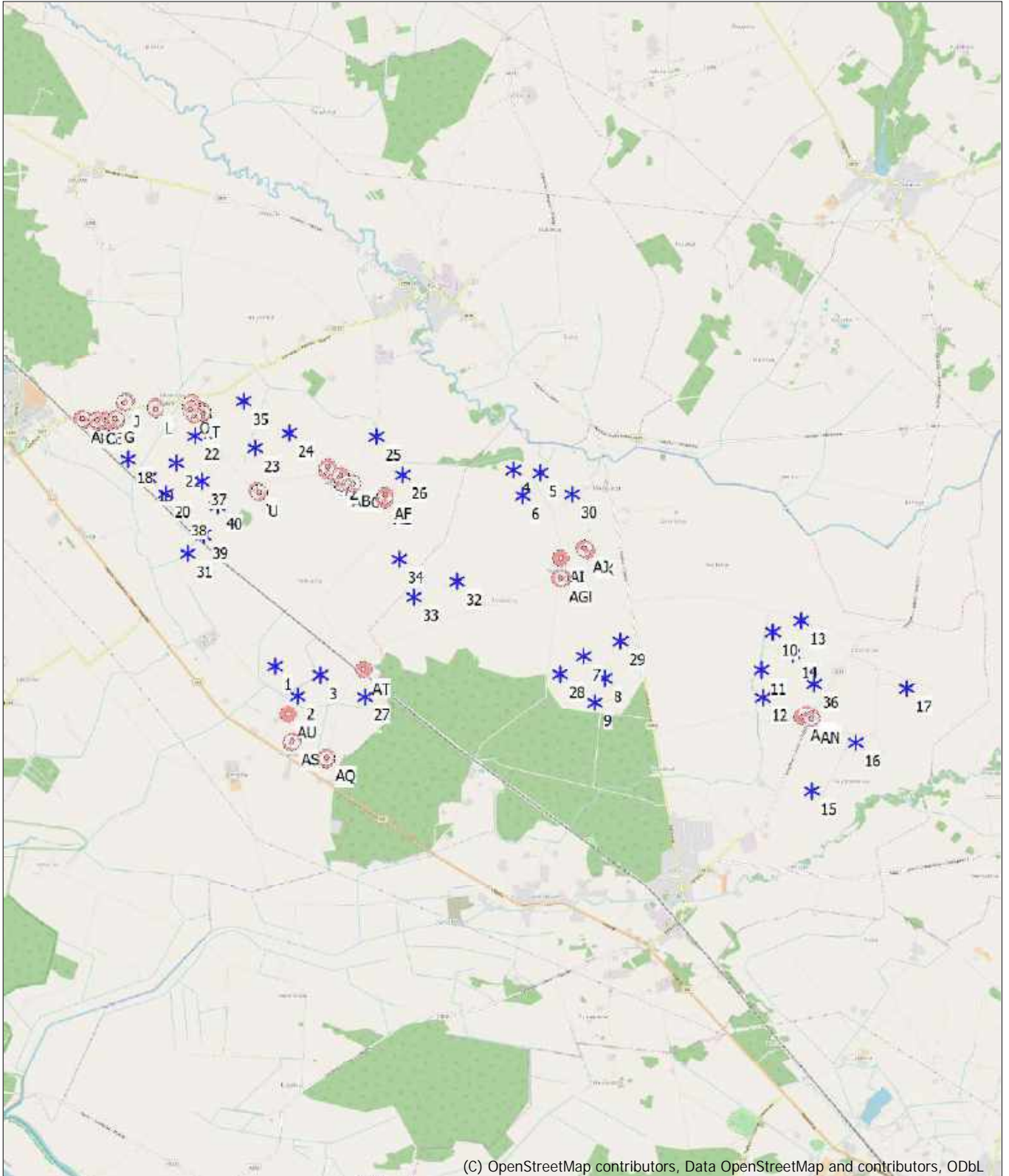
Project:
8 VE Īilutės r. triukōmas

Description:
Aōtuoniō vėjo elektriniō (Īilutės raj. sav. Usenō ir Juknaiėiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Foninės VE



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131
* Existing WTG Noise sensitive area

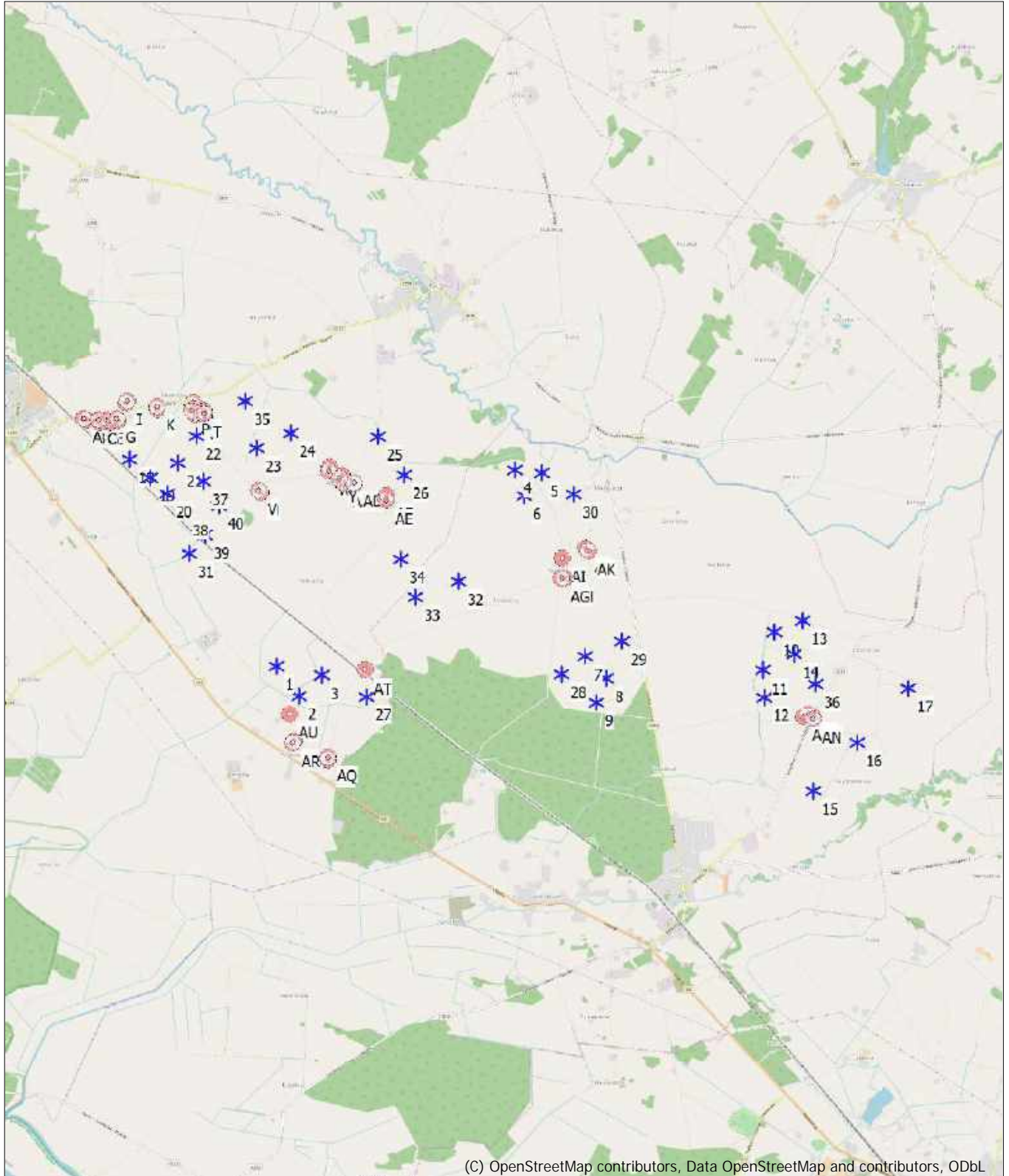
Project:
8 VE Īilutēs r.triukōmas

Description:
Aōtuoniō vējo elektriniō (Īilutēs raj. sav. Usenō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.06 11:35/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Foninēs VE



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131
* Existing WTG Noise sensitive area

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniņō vĕjo elektriniņō (Ģilutēs raj. sav. Usēnō ir Juknaiēnō sen.: Kavoliņō, Stremeniņō, Kūgeliņō, Okslindpiņō, Skieriņō bei Menklaukiņō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

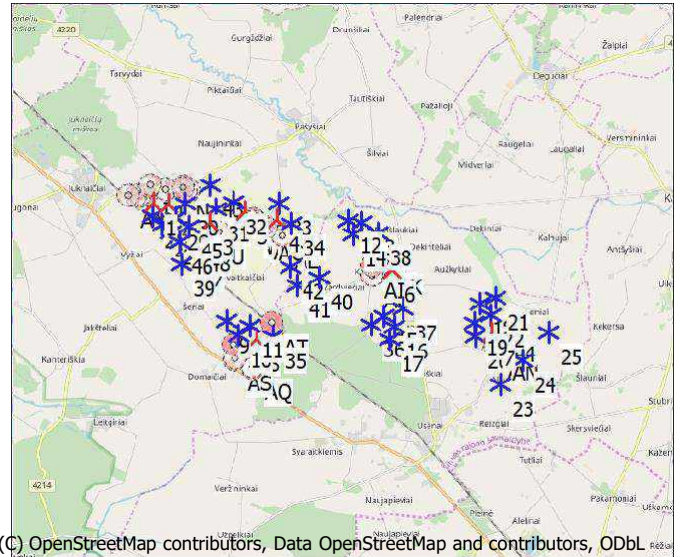
0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000
New WTG
Existing WTG
Noise sensitive area

WTGs

Table with columns: Y, X, Z, Row data/Description, WTG type, Valid, Manufact., Type-generator, Power, Rotor diameter, Hub height, Noise data, Creator Name, Wind speed, Status, Lwa,ref. Contains detailed data for 48 wind turbines.

h) Generic octave distribution used

g) Data calculated from data for other wind speed (uncertain)

Calculation Results

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Sound level

Noise sensitive area					Demands		Sound level		Demands fulfilled ?	
No.	Name	Y	X	Z	Immission height	Noise	From WTGs	Distance to noise demand	Noise	
		[m]			[m]	[dB(A)]	[dB(A)]	[m]		
A	Noise sensitive point: User defined (1)	347.290	6.130.678	10,0	1,5	45,0	37,8	436	Yes	
B	Noise sensitive point: User defined (2)	347.334	6.130.657	10,0	1,5	45,0	38,4	387	Yes	
C	Noise sensitive point: User defined (4)	347.483	6.130.653	10,7	1,5	45,0	40,2	253	Yes	
D	Noise sensitive point: User defined (5)	347.505	6.130.613	10,4	1,5	45,0	40,8	215	Yes	
E	Noise sensitive point: User defined (6)	347.592	6.130.646	10,8	1,5	45,0	41,7	154	Yes	
F	Noise sensitive point: User defined (7)	347.637	6.130.618	10,6	1,5	45,0	42,7	101	Yes	
G	Noise sensitive point: User defined (8)	347.734	6.130.663	11,0	1,5	45,0	43,7	59	Yes	
H	Noise sensitive point: User defined (9)	347.757	6.130.635	10,8	1,5	45,0	44,5	23	Yes	
I	Noise sensitive point: User defined (11)	347.883	6.130.901	13,1	1,5	45,0	41,1	201	Yes	
J	Noise sensitive point: User defined (12)	347.866	6.130.871	12,8	1,5	45,0	41,5	175	Yes	
K	Noise sensitive point: User defined (13)	348.287	6.130.811	10,0	1,5	45,0	43,3	94	Yes	
L	Noise sensitive point: User defined (14)	348.284	6.130.768	10,0	1,5	45,0	44,1	51	Yes	
M	Noise sensitive point: User defined (15)	348.782	6.130.851	10,0	1,5	45,0	42,3	173	Yes	
N	Noise sensitive point: User defined (16)	348.759	6.130.812	10,0	1,5	45,0	42,8	133	Yes	
O	Noise sensitive point: User defined (17)	348.756	6.130.753	10,0	1,5	45,0	43,7	74	Yes	
P	Noise sensitive point: User defined (18)	348.753	6.130.737	10,0	1,5	45,0	43,9	58	Yes	
Q	Noise sensitive point: User defined (19)	348.810	6.130.701	10,0	1,5	45,0	44,5	26	Yes	
R	Noise sensitive point: User defined (20)	348.790	6.130.676	10,0	1,5	45,0	45,0	1	Yes	
S	Noise sensitive point: User defined (21)	348.913	6.130.737	10,0	1,5	45,0	43,6	86	Yes	
T	Noise sensitive point: User defined (22)	348.911	6.130.694	10,0	1,5	45,0	44,2	45	Yes	
U	Noise sensitive point: User defined (23)	349.644	6.129.613	10,0	1,5	45,0	44,4	31	Yes	
V	Noise sensitive point: User defined (24)	349.607	6.129.632	10,0	1,5	45,0	45,0	1	Yes	
W	Noise sensitive point: User defined (25)	350.562	6.129.862	10,9	1,5	45,0	43,9	57	Yes	
X	Noise sensitive point: User defined (26)	350.576	6.129.919	10,8	1,5	45,0	44,6	25	Yes	
Y	Noise sensitive point: User defined (27)	350.707	6.129.756	12,0	1,5	45,0	42,3	231	Yes	
Z	Noise sensitive point: User defined (28)	350.748	6.129.803	12,1	1,5	45,0	42,8	180	Yes	
AA	Noise sensitive point: User defined (29)	350.753	6.129.689	12,4	1,5	45,0	42,0	218	Yes	
AB	Noise sensitive point: User defined (30)	350.767	6.129.705	12,4	1,5	45,0	42,2	198	Yes	
AC	Noise sensitive point: User defined (31)	350.909	6.129.675	13,3	1,5	45,0	43,2	91	Yes	
AD	Noise sensitive point: User defined (32)	350.909	6.129.692	13,3	1,5	45,0	43,4	79	Yes	
AE	Noise sensitive point: User defined (33)	351.332	6.129.441	16,3	1,5	45,0	42,6	146	Yes	
AF	Noise sensitive point: User defined (34)	351.339	6.129.512	16,2	1,5	45,0	43,6	76	Yes	
AG	Noise sensitive point: User defined (35)	353.662	6.128.322	20,0	1,5	45,0	39,8	314	Yes	
AH	Noise sensitive point: User defined (36)	353.705	6.128.318	20,0	1,5	45,0	40,1	275	Yes	
AI	Noise sensitive point: User defined (37)	353.678	6.128.582	20,0	1,5	45,0	40,3	285	Yes	
AJ	Noise sensitive point: User defined (38)	353.996	6.128.697	20,0	1,5	45,0	43,6	60	Yes	
AK	Noise sensitive point: User defined (39)	354.036	6.128.668	20,0	1,5	45,0	44,8	11	Yes	
AL	Noise sensitive point: User defined (40)	356.862	6.126.349	19,7	1,5	45,0	44,0	56	Yes	
AM	Noise sensitive point: User defined (41)	356.927	6.126.381	20,0	1,5	45,0	44,3	39	Yes	
AN	Noise sensitive point: User defined (42)	356.986	6.126.313	20,0	1,5	45,0	43,2	122	Yes	
AO	Noise sensitive point: User defined (43)	356.996	6.126.345	20,0	1,5	45,0	43,5	95	Yes	
AP	Noise sensitive point: User defined (48)	350.424	6.125.973	10,0	1,5	45,0	37,0	523	Yes	
AQ	Noise sensitive point: User defined (49)	350.424	6.126.015	10,0	1,5	45,0	37,4	481	Yes	
AR	Noise sensitive point: User defined (50)	349.947	6.126.215	10,0	1,5	45,0	38,6	382	Yes	
AS	Noise sensitive point: User defined (51)	349.979	6.126.256	10,0	1,5	45,0	39,2	335	Yes	
AT	Noise sensitive point: User defined (52)	350.962	6.127.173	10,0	1,5	45,0	43,0	104	Yes	
AU	Noise sensitive point: User defined (53)	349.928	6.126.609	10,0	1,5	45,0	44,5	21	Yes	

Distances (m)

WTG	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	715	666	527	491	428	375	327	291	481	454	506	472	926	888	861	852	894	867	1003	989	1870	1828
2	1093	1044	900	868	794	743	667	635	683	674	416	374	627	583	541	528	552	522	659	636	1516	1474
3	2297	2248	2108	2073	2004	1952	1881	1849	1868	1865	1488	1464	1181	1162	1117	1106	1043	1036	1015	979	327	290
4	3980	3933	3786	3757	3678	3628	3543	3515	3460	3468	3048	3038	2595	2602	2585	2582	2517	2528	2432	2419	1573	1606
5	3133	3086	2939	2910	2830	2781	2694	2666	2609	2617	2197	2187	1750	1756	1736	1733	1668	1678	1584	1570	891	912
6	7239	7190	7048	7014	6942	6890	6813	6782	6754	6759	6345	6332	5903	5909	5889	5885	5819	5828	5738	5723	4683	4724
7	10274	10225	10087	10051	9984	9931	9860	9828	9823	9825	9419	9403	8994	8997	8973	8968	8902	8908	8826	8808	7693	7735
8	5094	5050	4954	4909	4881	4832	4811	4775	4924	4908	4639	4603	4456	4429	4377	4363	4308	4292	4300	4261	2994	3023
9	4211	4168	4079	4034	4014	3966	3953	3917	4088	4069	3835	3797	3711	3680	3624	3609	3559	3540	3567	3526	2343	2364
10	4716	4673	4584	4539	4518	4470	4457	4421	4589	4570	4329	4291	4189	4159	4104	4090	4038	4020	4041	4001	2782	2807
11	4700	4655	4556	4511	4482	4433	4409	4373	4518	4502	4230	4194	4045	4019	3966	3953	3897	3882	3889	3851	2586	2615
12	5850	5803	5656	5628	5547	5498	5409	5382	5307	5317	4893	4887	4419	4433	4422	4422	4359	4373	4266	4259	3437	3473
13	6210	6163	6016	5988	5907	5858	5770	5742	5666	5677	5252	5247	4778	4792	4782	4781	4719	4733	4625	4618	3790	3826

To be continued on next page...

Project:

8 VE Ėilutės r.triuškimas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

...continued from previous page

WTG	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
14	6021	5973	5827	5797	5719	5669	5584	5555	5496	5505	5083	5075	4620	4630	4616	4615	4550	4562	4461	4451	3545	3583
15	7469	7420	7287	7249	7187	7134	7070	7037	7059	7059	6668	6648	6277	6274	6243	6237	6170	6172	6104	6082	4892	4933
16	7860	7811	7679	7640	7580	7527	7465	7431	7459	7457	7070	7049	6683	6679	6648	6641	6574	6576	6510	6487	5287	5328
17	7889	7840	7710	7671	7614	7561	7503	7468	7510	7507	7127	7105	6757	6751	6717	6710	6643	6645	6584	6555	5330	5371
18	9737	9688	9547	9513	9442	9390	9314	9282	9258	9263	8849	8836	8408	8414	8394	8390	8324	8332	8243	8222	7170	7211
19	9766	9717	9578	9542	9475	9422	9351	9318	9311	9314	8907	8891	8481	8483	8460	8455	8385	8395	8312	8295	7186	7227
20	9913	9864	9727	9691	9625	9573	9504	9471	9474	9475	9073	9056	8656	8658	8632	8627	8560	8565	8486	8465	7331	7372
21	10068	10019	9877	9843	9771	9719	9641	9610	9578	9584	9168	9156	8720	8727	8709	8706	8640	8645	8556	8545	7510	7551
22	10086	10038	9897	9862	9792	9740	9666	9634	9616	9620	9209	9195	8772	8777	8756	8752	8686	8694	8606	8590	7513	7554
23	11032	10983	10851	10813	10753	10700	10638	10604	10631	10630	10240	10220	9847	9845	9815	9808	9741	9744	9675	9655	8460	8501
24	11304	11255	11118	11081	11016	10964	10895	10863	10867	10868	10466	10449	10049	10051	10025	10020	9955	9955	9880	9861	8721	8763
25	11700	11651	11510	11476	11406	11354	11278	11247	11226	11231	10818	10805	10378	10384	10363	10360	10294	10302	10213	10195	9127	9169
26	828	781	680	635	614	569	575	542	791	761	804	765	1157	1114	1076	1064	1090	1060	1197	1175	1819	1779
27	1196	1150	1045	1001	973	924	913	877	1081	1057	964	921	1174	1129	1078	1063	1067	1035	1160	1125	1504	1464
28	1501	1454	1349	1305	1274	1224	1206	1170	1352	1331	1173	1130	1276	1231	1175	1158	1145	1114	1220	1181	1268	1230
29	1392	1342	1210	1171	1114	1061	1007	972	1073	1059	803	763	844	800	743	727	712	682	791	752	1194	1153
30	1527	1480	1333	1304	1225	1175	1090	1061	1038	1039	651	628	452	414	356	340	302	277	355	315	1159	1119
31	2366	2319	2172	2143	2064	2014	1930	1901	1860	1864	1453	1438	1046	1042	1011	1005	935	945	873	855	600	580
32	2797	2751	2602	2577	2493	2446	2354	2328	2249	2258	1835	1828	1371	1380	1366	1365	1301	1315	1211	1201	885	887
33	3967	3921	3773	3747	3664	3616	3524	3498	3409	3421	2996	2992	2517	2532	2524	2524	2462	2475	2366	2361	1743	1770
34	4382	4334	4188	4158	4080	4030	3945	3917	3863	3870	3450	3440	2996	3003	2987	2984	2915	2930	2833	2821	1943	1979
35	5335	5290	5185	5141	5107	5057	5027	4991	5120	5107	4812	4778	4589	4566	4516	4503	4444	4432	4425	4385	3094	3127
36	7292	7243	7113	7074	7016	6963	6903	6869	6907	6905	6524	6502	6112	6146	6112	6105	6035	6035	5975	5955	4729	4770
37	7843	7794	7657	7621	7556	7503	7435	7402	7409	7410	7011	6993	6601	6601	6574	6568	6502	6506	6430	6410	5261	5302
38	6682	6634	6488	6459	6379	6330	6243	6215	6149	6159	5735	5728	5267	5279	5267	5266	5202	5215	5110	5102	4218	4256
39	2300	2257	2171	2125	2108	2062	2057	2021	2217	2195	2025	1983	2038	1997	1938	1922	1891	1864	1935	1895	1278	1262
40	5509	5460	5325	5287	5224	5171	5105	5072	5089	5089	4697	4677	4309	4305	4274	4267	4200	4202	4136	4115	2928	2969
41	5068	5019	4889	4849	4792	4739	4681	4646	4692	4688	4316	4292	3967	3957	3920	3912	3846	3845	3793	3766	2512	2553
42	4671	4622	4487	4449	4386	4334	4269	4235	4259	4258	3872	3850	3498	3492	3458	3450	3384	3384	3325	3295	2090	2132
43	2191	2148	2001	1983	1893	1852	1750	1730	1592	1608	1188	1193	693	717	725	730	681	705	575	585	1247	1224
44	10493	10444	10305	10270	10201	10149	10077	10045	10034	10037	9629	9614	9199	9203	9180	9176	9105	9115	9032	9015	7914	7956
45	1817	1768	1639	1599	1544	1491	1439	1403	1493	1482	1183	1147	1072	1036	977	962	921	897	955	912	790	750
46	1841	1795	1692	1647	1617	1567	1548	1512	1683	1663	1470	1428	1491	1449	1390	1374	1347	1315	1402	1360	1082	1050
47	2266	2220	2117	2072	2042	1992	1970	1933	2094	2076	1850	1811	1797	1760	1701	1685	1647	1622	1682	1635	951	933
48	2155	2107	1984	1943	1894	1841	1797	1761	1866	1854	1562	1526	1421	1388	1331	1317	1265	1245	1285	1245	596	566

WTG	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1	2662	2664	2827	2856	2888	2898	3043	3039	3512	3500	6076	6118	6006	6277	6323	9788	9834	9915	9911	5087	5051	4655
2	2278	2279	2445	2473	2507	2516	2661	2657	3134	3119	5704	5745	5630	5897	5944	9425	9470	9552	9548	4887	4849	4477
3	1121	1136	1271	1308	1324	1336	1480	1478	1938	1931	4494	4536	4426	4702	4747	8210	8255	8338	8333	4017	3977	3688
4	631	617	503	453	483	463	355	345	468	403	2922	2961	2806	3044	3092	6680	6719	6804	6796	3988	3947	3877
5	322	287	495	492	576	574	697	687	1175	1141	3747	3787	3644	3890	3938	7502	7542	7627	7620	4149	4107	3931
6	3881	3889	3709	3687	3643	3635	3491	3497	3015	3031	549	509	522	294	246	3414	3445	3534	3522	4519	4495	4804
7	6960	6974	6783	6768	6712	6707	6566	6574	6083	6109	3500	3460	3613	3409	3360	384	374	460	437	6395	6391	6847
8	3104	3161	3002	3051	2938	2955	2939	2956	2795	2866	3485	3522	3623	3956	3977	6326	6389	6452	6460	793	752	807
9	2707	2766	2654	2713	2608	2629	2658	2674	2672	2734	4030	4071	4121	4459	4488	7150	7210	7277	7283	1454	1417	1071
10	3041	3099	2964	3019	2910	2929	2937	2953	2874	2941	3883	3921	4002	4338	4363	6815	6878	6942	6949	958	919	656
11	2735	2793	2643	2695	2583	2601	2597	2613	2497	2566	3491	3530	3603	3940	3966	6528	6589	6656	6662	1159	1117	1013
12	2515	2503	2369	2328	2326	2311	2171	2170	1781	1761	1591	1611	1359	1437	1484	5121	5148	5237	5224	4656	4622	4758
13	2872	2861	2725	2684	2679	2665	2524	2523	2122	2106	1443	1454	1190	1191	1236	4825	4850	4939	4924	4825	4792	4960
14	2656	2651	2498	2463	2445	2432	2288	2290	1854	1848	1224	1245	998	1105	1154	4807	4837	4925	4913	4440	4407	4577
15	4257	4280	4077	4074	4000	3998	3868	3879	3392	3433	1089	1075	1338	1428	1402	3062	3115	3191	3191	3746	3731	4128
16	4667	4691	4487	4485	4410	4409	4279	4290	3805	3846	1470	1451	1708	1750	1716	2711	2767	2840	2842	3921	3910	4336
17	4761	4790	4583	4585	4504	4504	4380	4392	3915	3961	1729	1715	1979	2056	2025	2804	2866	2931	2938	3707	3700	4145
18	6386	6394	6212	6191	6145	6138	5995	6001	5516	5535	2953	2910	3019	2772	2723	1215	1206	1291	1265	6267	6256	6679
19	6447	6460	6270	6254	6199	6194	6053	6061	5571	5596	2987	2947	3097	2895	2846	831	850	940	924	6001	5994	6438
20	6621	6637	6443	6430	6370	6366	6227	6235	5744	5773	3170	3131	3302	3126	3077	589	634					

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

...continued from previous page

WTG	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
36	4155	4184	3977	3980	3898	3899	3775	3787	3312	3359	1285	1284	1546	1703	1684	3321	3378	3449	3453	3359	3346	3754
37	4568	4587	4389	4379	4315	4311	4175	4184	3693	3726	1174	1142	1370	1331	1291	2657	2704	2785	2782	4272	4258	4653
38	3323	3317	3167	3132	3116	3103	2959	2961	2528	2522	1144	1141	886	764	800	4313	4336	4425	4410	4886	4856	5075
39	2184	2224	2267	2323	2282	2301	2422	2428	2759	2783	5041	5084	5038	5352	5393	8578	8631	8707	8707	3354	3319	2909
40	2302	2330	2123	2126	2044	2044	1921	1933	1462	1513	1389	1432	1430	1764	1797	4993	5041	5121	5118	2986	2953	3135
41	2054	2095	1888	1908	1807	1813	1720	1735	1350	1417	1994	2036	2050	2386	2418	5483	5534	5611	5611	2497	2461	2583
42	1537	1574	1366	1382	1284	1289	1189	1204	817	885	2189	2232	2183	2501	2540	5833	5880	5961	5958	2873	2834	2876
43	1468	1441	1646	1647	1725	1725	1852	1842	2329	2293	4888	4927	4773	5005	5053	8646	8685	8771	8763	4965	4924	4656
44	7167	7179	6991	6974	6921	6915	6774	6781	6292	6316	3709	3668	3809	3591	3542	480	429	484	451	6667	6662	7116
45	1691	1709	1834	1875	1882	1896	2039	2038	2482	2481	5005	5048	4951	5235	5280	8692	8740	8821	8817	4111	4072	3724
46	2032	2060	2152	2201	2186	2202	2339	2341	2743	2752	5178	5221	5148	5447	5490	8804	8854	8933	8931	3861	3824	3435
47	1871	1909	1963	2018	1983	2002	2127	2132	2488	2507	4843	4886	4826	5133	5175	8431	8483	8560	8559	3449	3411	3035
48	1547	1576	1665	1714	1700	1716	1853	1855	2263	2271	4730	4773	4690	4984	5028	8387	8436	8516	8514	3738	3699	3358
WTG	AS	AT	AU																			
1	4631	4425	4293																			
2	4451	4151	4105																			
3	3652	3095	3296																			
4	3828	2724	3513																			
5	3886	3007	3542																			
6	4757	3478	4650																			
7	6812	5831	6848																			
8	756	588	635																			
9	1037	1197	681																			
10	611	951	286																			
11	962	585	690																			
12	4707	3373	4483																			
13	4909	3567	4702																			
14	4526	3183	4322																			
15	4087	2978	4064																			
16	4297	3263	4304																			
17	4109	3154	4142																			
18	6640	5548	6633																			
19	6401	5379	6421																			
20	6374	5408	6414																			
21	7049	5948	7039																			
22	6846	5799	6858																			
23	7037	6265	7141																			
24	7599	6718	7671																			
25	8325	7347	8365																			
26	4380	4246	4048																			
27	4031	3878	3695																			
28	3744	3573	3405																			
29	4055	3762	3708																			
30	4308	3886	3955																			
31	3971	3324	3615																			
32	4130	3333	3779																			
33	4245	3149	3927																			
34	3869	2678	3574																			
35	1148	353	1071																			
36	3714	2652	3707																			
37	4612	3485	4584																			
38	5024	3684	4849																			
39	2887	2841	2554																			
40	3084	1740	2901																			
41	2531	1197	2319																			
42	2824	1560	2564																			
43	4618	3964	4262																			
44	7081	6090	7114																			
45	3694	3341	3343																			
46	3410	3234	3069																			
47	3008	2810	2663																			
48	3328	2967	2975																			

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s **Assumptions**Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: User defined (1)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	715	726	33,08	106,0	0,00	68,22	-	-	0,00	0,00	-
10	4.716	4.717	10,42	106,0	0,00	84,47	-	-	0,00	0,00	-
11	4.700	4.701	10,47	106,0	0,00	84,44	-	-	0,00	0,00	-
12	5.850	5.851	7,65	106,0	0,00	86,35	-	-	0,00	0,00	-
13	6.210	6.211	6,88	106,0	0,00	86,86	-	-	0,00	0,00	-
14	6.021	6.022	7,28	106,0	0,00	86,59	-	-	0,00	0,00	-
15	7.469	7.470	4,53	106,0	0,00	88,47	-	-	0,00	0,00	-
16	7.860	7.861	3,89	106,0	0,00	88,91	-	-	0,00	0,00	-
17	7.889	7.889	3,85	106,0	0,00	88,94	-	-	0,00	0,00	-
18	9.737	9.738	1,22	106,0	0,00	90,77	-	-	0,00	0,00	-
19	9.766	9.767	1,18	106,0	0,00	90,79	-	-	0,00	0,00	-
2	1.093	1.100	27,95	106,0	0,00	71,83	-	-	0,00	0,00	-
20	9.913	9.914	1,00	106,0	0,00	90,93	-	-	0,00	0,00	-
21	10.068	10.069	0,81	106,0	0,00	91,06	-	-	0,00	0,00	-
22	10.086	10.087	0,78	106,0	0,00	91,08	-	-	0,00	0,00	-
23	11.032	11.033	-0,32	106,0	0,00	91,85	-	-	0,00	0,00	-
24	11.304	11.305	-0,62	106,0	0,00	92,07	-	-	0,00	0,00	-
25	11.700	11.701	-1,04	106,0	0,00	92,36	-	-	0,00	0,00	-
26	828	832	30,62	104,5	0,00	69,40	-	-	0,00	0,00	-
27	1.196	1.199	26,45	104,5	0,00	72,58	-	-	0,00	0,00	-
28	1.501	1.503	23,79	104,5	0,00	74,54	-	-	0,00	0,00	-
29	1.392	1.394	24,68	104,5	0,00	73,88	-	-	0,00	0,00	-
3	2.297	2.300	18,36	106,0	0,00	78,24	-	-	0,00	0,00	-
30	1.527	1.529	23,58	104,5	0,00	74,69	-	-	0,00	0,00	-
31	2.366	2.368	18,21	104,5	0,00	78,49	-	-	0,00	0,00	-
32	2.797	2.798	16,21	104,5	0,00	79,94	-	-	0,00	0,00	-
33	3.967	3.968	12,04	104,5	0,00	82,97	-	-	0,00	0,00	-
34	4.382	4.383	10,84	104,5	0,00	83,83	-	-	0,00	0,00	-
35	5.335	5.336	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
36	7.292	7.293	4,84	104,5	0,00	88,26	-	-	0,00	0,00	-
37	7.843	7.844	4,01	104,5	0,00	88,89	-	-	0,00	0,00	-
38	6.682	6.684	6,82	106,0	0,00	87,50	-	-	0,00	0,00	-
39	2.300	2.305	20,05	106,0	0,00	78,25	-	-	0,00	0,00	-
4	3.980	3.983	11,10	106,0	0,00	83,00	-	-	0,00	0,00	-
40	5.509	5.511	9,03	106,0	0,00	85,83	-	-	0,00	0,00	-
41	5.068	5.070	10,01	106,0	0,00	85,10	-	-	0,00	0,00	-
42	4.671	4.673	10,96	106,0	0,00	84,39	-	-	0,00	0,00	-
43	2.191	2.196	20,66	106,0	0,00	77,83	-	-	0,00	0,00	-
44	10.493	10.494	0,71	104,5	0,00	91,42	-	-	0,00	0,00	-
45	1.817	1.823	21,46	104,5	0,00	76,22	-	-	0,00	0,00	-
46	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
47	2.266	2.271	18,73	104,5	0,00	78,12	-	-	0,00	0,00	-
48	2.155	2.160	19,36	104,5	0,00	77,69	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
5	3.133	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
6	7.239	7.240	4,47	106,0	0,00	88,20	-	-	0,00	0,00	-
7	10.274	10.275	0,82	106,0	0,00	91,24	-	-	0,00	0,00	-
8	5.094	5.096	8,28	106,0	0,00	85,14	-	-	0,00	0,00	-
9	4.211	4.212	11,89	106,0	0,00	83,49	-	-	0,00	0,00	-
Sum			37,81								

- Data undefined due to calculation with octave data

Noise sensitive area: B Noise sensitive point: User defined (2)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	666	678	33,90	106,0	0,00	67,62	-	-	0,00	0,00	-
10	4.673	4.674	10,54	106,0	0,00	84,39	-	-	0,00	0,00	-
11	4.655	4.656	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
12	5.803	5.804	7,75	106,0	0,00	86,28	-	-	0,00	0,00	-
13	6.163	6.164	6,98	106,0	0,00	86,80	-	-	0,00	0,00	-
14	5.973	5.974	7,38	106,0	0,00	86,53	-	-	0,00	0,00	-
15	7.420	7.421	4,62	106,0	0,00	88,41	-	-	0,00	0,00	-
16	7.811	7.812	3,97	106,0	0,00	88,86	-	-	0,00	0,00	-
17	7.840	7.840	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
18	9.688	9.689	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
19	9.717	9.718	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
2	1.044	1.052	28,51	106,0	0,00	71,44	-	-	0,00	0,00	-
20	9.864	9.865	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
21	10.019	10.020	0,87	106,0	0,00	91,02	-	-	0,00	0,00	-
22	10.038	10.038	0,84	106,0	0,00	91,03	-	-	0,00	0,00	-
23	10.983	10.984	-0,26	106,0	0,00	91,82	-	-	0,00	0,00	-
24	11.255	11.255	-0,56	106,0	0,00	92,03	-	-	0,00	0,00	-
25	11.651	11.652	-0,99	106,0	0,00	92,33	-	-	0,00	0,00	-
26	781	785	31,25	104,5	0,00	68,90	-	-	0,00	0,00	-
27	1.150	1.152	26,91	104,5	0,00	72,23	-	-	0,00	0,00	-
28	1.454	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
29	1.342	1.345	25,11	104,5	0,00	73,57	-	-	0,00	0,00	-
3	2.248	2.251	18,65	106,0	0,00	78,05	-	-	0,00	0,00	-
30	1.480	1.482	23,96	104,5	0,00	74,41	-	-	0,00	0,00	-
31	2.319	2.320	18,46	104,5	0,00	78,31	-	-	0,00	0,00	-
32	2.751	2.752	16,41	104,5	0,00	79,79	-	-	0,00	0,00	-
33	3.921	3.922	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
34	4.334	4.335	10,97	104,5	0,00	83,74	-	-	0,00	0,00	-
35	5.290	5.290	8,60	104,5	0,00	85,47	-	-	0,00	0,00	-
36	7.243	7.244	4,92	104,5	0,00	88,20	-	-	0,00	0,00	-
37	7.794	7.795	4,08	104,5	0,00	88,84	-	-	0,00	0,00	-
38	6.634	6.636	6,90	106,0	0,00	87,44	-	-	0,00	0,00	-
39	2.257	2.262	20,29	106,0	0,00	78,09	-	-	0,00	0,00	-
4	3.933	3.935	11,25	106,0	0,00	82,90	-	-	0,00	0,00	-
40	5.460	5.462	9,14	106,0	0,00	85,75	-	-	0,00	0,00	-
41	5.019	5.021	10,12	106,0	0,00	85,02	-	-	0,00	0,00	-
42	4.622	4.624	11,08	106,0	0,00	84,30	-	-	0,00	0,00	-
43	2.148	2.153	20,90	106,0	0,00	77,66	-	-	0,00	0,00	-
44	10.444	10.445	0,76	104,5	0,00	91,38	-	-	0,00	0,00	-
45	1.768	1.774	21,79	104,5	0,00	75,98	-	-	0,00	0,00	-
46	1.795	1.801	21,61	104,5	0,00	76,11	-	-	0,00	0,00	-
47	2.220	2.225	18,99	104,5	0,00	77,95	-	-	0,00	0,00	-
48	2.107	2.112	19,64	104,5	0,00	77,49	-	-	0,00	0,00	-
5	3.086	3.088	14,45	106,0	0,00	80,79	-	-	0,00	0,00	-
6	7.190	7.192	4,54	106,0	0,00	88,14	-	-	0,00	0,00	-
7	10.225	10.226	0,87	106,0	0,00	91,19	-	-	0,00	0,00	-
8	5.050	5.051	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
9	4.168	4.169	12,02	106,0	0,00	83,40	-	-	0,00	0,00	-
Sum			38,40								

- Data undefined due to calculation with octave data

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniņō vĕjo elektriniņō (Ģilutēs raj. sav. Usēnō ir Juknaiēiņō sen.: Kavoliņō, Stremeniņō, Kūgeliņō, Okslindpiņō, Skieriņō bei Menklaukiņō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: C Noise sensitive point: User defined (4)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	527	542	36,51	106,0	0,00	65,69	-	-	0,00	0,00	-
10	4.584	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
11	4.556	4.558	10,87	106,0	0,00	84,17	-	-	0,00	0,00	-
12	5.656	5.657	8,08	106,0	0,00	86,05	-	-	0,00	0,00	-
13	6.016	6.017	7,29	106,0	0,00	86,59	-	-	0,00	0,00	-
14	5.827	5.828	7,70	106,0	0,00	86,31	-	-	0,00	0,00	-
15	7.287	7.288	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
16	7.679	7.680	4,18	106,0	0,00	88,71	-	-	0,00	0,00	-
17	7.710	7.711	4,13	106,0	0,00	88,74	-	-	0,00	0,00	-
18	9.547	9.547	1,46	106,0	0,00	90,60	-	-	0,00	0,00	-
19	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
2	900	909	30,33	106,0	0,00	70,17	-	-	0,00	0,00	-
20	9.727	9.728	1,23	106,0	0,00	90,76	-	-	0,00	0,00	-
21	9.877	9.877	1,04	106,0	0,00	90,89	-	-	0,00	0,00	-
22	9.897	9.898	1,02	106,0	0,00	90,91	-	-	0,00	0,00	-
23	10.851	10.852	-0,12	106,0	0,00	91,71	-	-	0,00	0,00	-
24	11.118	11.119	-0,41	106,0	0,00	91,92	-	-	0,00	0,00	-
25	11.510	11.511	-0,84	106,0	0,00	92,22	-	-	0,00	0,00	-
26	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
27	1.045	1.048	28,00	104,5	0,00	71,41	-	-	0,00	0,00	-
28	1.349	1.351	25,05	104,5	0,00	73,61	-	-	0,00	0,00	-
29	1.210	1.213	26,32	104,5	0,00	72,67	-	-	0,00	0,00	-
3	2.108	2.112	19,50	106,0	0,00	77,49	-	-	0,00	0,00	-
30	1.333	1.335	25,19	104,5	0,00	73,51	-	-	0,00	0,00	-
31	2.172	2.174	19,28	104,5	0,00	77,74	-	-	0,00	0,00	-
32	2.602	2.604	17,06	104,5	0,00	79,31	-	-	0,00	0,00	-
33	3.773	3.774	12,64	104,5	0,00	82,54	-	-	0,00	0,00	-
34	4.188	4.189	11,38	104,5	0,00	83,44	-	-	0,00	0,00	-
35	5.185	5.186	8,83	104,5	0,00	85,30	-	-	0,00	0,00	-
36	7.113	7.113	5,13	104,5	0,00	88,04	-	-	0,00	0,00	-
37	7.657	7.658	4,28	104,5	0,00	88,68	-	-	0,00	0,00	-
38	6.488	6.490	7,16	106,0	0,00	87,24	-	-	0,00	0,00	-
39	2.171	2.176	20,77	106,0	0,00	77,75	-	-	0,00	0,00	-
4	3.786	3.789	11,74	106,0	0,00	82,57	-	-	0,00	0,00	-
40	5.325	5.327	9,43	106,0	0,00	85,53	-	-	0,00	0,00	-
41	4.889	4.891	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
42	4.487	4.489	11,44	106,0	0,00	84,04	-	-	0,00	0,00	-
43	2.001	2.006	21,78	106,0	0,00	77,05	-	-	0,00	0,00	-
44	10.305	10.305	0,91	104,5	0,00	91,26	-	-	0,00	0,00	-
45	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
46	1.692	1.698	22,32	104,5	0,00	75,60	-	-	0,00	0,00	-
47	2.117	2.122	19,58	104,5	0,00	77,53	-	-	0,00	0,00	-
48	1.984	1.989	20,38	104,5	0,00	76,97	-	-	0,00	0,00	-
5	2.939	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
6	7.048	7.049	4,75	106,0	0,00	87,96	-	-	0,00	0,00	-
7	10.087	10.088	1,01	106,0	0,00	91,08	-	-	0,00	0,00	-
8	4.954	4.955	8,59	106,0	0,00	84,90	-	-	0,00	0,00	-
9	4.079	4.081	12,29	106,0	0,00	83,21	-	-	0,00	0,00	-
Sum			40,19								

- Data undefined due to calculation with octave data

Noise sensitive area: D Noise sensitive point: User defined (5)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	491	507	37,28	106,0	0,00	65,11	-	-	0,00	0,00	-
10	4.539	4.540	10,92	106,0	0,00	84,14	-	-	0,00	0,00	-
11	4.511	4.513	11,00	106,0	0,00	84,09	-	-	0,00	0,00	-
12	5.628	5.629	8,14	106,0	0,00	86,01	-	-	0,00	0,00	-
13	5.988	5.989	7,35	106,0	0,00	86,55	-	-	0,00	0,00	-
14	5.797	5.798	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
15	7.249	7.250	4,91	106,0	0,00	88,21	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	7.640	7.641	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
17	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-
18	9.513	9.514	1,51	106,0	0,00	90,57	-	-	0,00	0,00	-
19	9.542	9.543	1,47	106,0	0,00	90,59	-	-	0,00	0,00	-
2	868	878	30,77	106,0	0,00	69,87	-	-	0,00	0,00	-
20	9.691	9.691	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
21	9.843	9.844	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
22	9.862	9.863	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
23	10.813	10.813	-0,07	106,0	0,00	91,68	-	-	0,00	0,00	-
24	11.081	11.082	-0,37	106,0	0,00	91,89	-	-	0,00	0,00	-
25	11.476	11.476	-0,80	106,0	0,00	92,20	-	-	0,00	0,00	-
26	635	640	33,51	104,5	0,00	67,12	-	-	0,00	0,00	-
27	1.001	1.004	28,49	104,5	0,00	71,03	-	-	0,00	0,00	-
28	1.305	1.307	25,44	104,5	0,00	73,32	-	-	0,00	0,00	-
29	1.171	1.174	26,69	104,5	0,00	72,39	-	-	0,00	0,00	-
3	2.073	2.077	19,72	106,0	0,00	77,35	-	-	0,00	0,00	-
30	1.304	1.306	25,45	104,5	0,00	73,32	-	-	0,00	0,00	-
31	2.143	2.144	19,45	104,5	0,00	77,63	-	-	0,00	0,00	-
32	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
33	3.747	3.748	12,72	104,5	0,00	82,48	-	-	0,00	0,00	-
34	4.158	4.159	11,47	104,5	0,00	83,38	-	-	0,00	0,00	-
35	5.141	5.142	8,94	104,5	0,00	85,22	-	-	0,00	0,00	-
36	7.074	7.074	5,20	104,5	0,00	87,99	-	-	0,00	0,00	-
37	7.621	7.621	4,34	104,5	0,00	88,64	-	-	0,00	0,00	-
38	6.459	6.461	7,21	106,0	0,00	87,21	-	-	0,00	0,00	-
39	2.125	2.130	21,04	106,0	0,00	77,57	-	-	0,00	0,00	-
4	3.757	3.759	11,85	106,0	0,00	82,50	-	-	0,00	0,00	-
40	5.287	5.290	9,51	106,0	0,00	85,47	-	-	0,00	0,00	-
41	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
42	4.449	4.452	11,55	106,0	0,00	83,97	-	-	0,00	0,00	-
43	1.983	1.989	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
44	10.270	10.270	0,95	104,5	0,00	91,23	-	-	0,00	0,00	-
45	1.599	1.605	23,00	104,5	0,00	75,11	-	-	0,00	0,00	-
46	1.647	1.653	22,64	104,5	0,00	75,37	-	-	0,00	0,00	-
47	2.072	2.077	19,84	104,5	0,00	77,35	-	-	0,00	0,00	-
48	1.943	1.948	20,64	104,5	0,00	76,79	-	-	0,00	0,00	-
5	2.910	2.913	15,23	106,0	0,00	80,29	-	-	0,00	0,00	-
6	7.014	7.016	4,80	106,0	0,00	87,92	-	-	0,00	0,00	-
7	10.051	10.052	1,05	106,0	0,00	91,05	-	-	0,00	0,00	-
8	4.909	4.910	8,70	106,0	0,00	84,82	-	-	0,00	0,00	-
9	4.034	4.035	12,44	106,0	0,00	83,12	-	-	0,00	0,00	-
Sum			40,79								

- Data undefined due to calculation with octave data

Noise sensitive area: E Noise sensitive point: User defined (6)

Wind speed: 10,0 m/s

WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	428	446	38,73	106,0	0,00	64,00	-	-	0,00	0,00	-
10	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
11	4.482	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
12	5.547	5.548	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
13	5.907	5.908	7,52	106,0	0,00	86,43	-	-	0,00	0,00	-
14	5.719	5.720	7,94	106,0	0,00	86,15	-	-	0,00	0,00	-
15	7.187	7.188	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
16	7.580	7.581	4,35	106,0	0,00	88,59	-	-	0,00	0,00	-
17	7.614	7.615	4,29	106,0	0,00	88,63	-	-	0,00	0,00	-
18	9.442	9.442	1,60	106,0	0,00	90,50	-	-	0,00	0,00	-
19	9.475	9.475	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
2	794	804	31,84	106,0	0,00	69,11	-	-	0,00	0,00	-
20	9.625	9.626	1,36	106,0	0,00	90,67	-	-	0,00	0,00	-
21	9.771	9.771	1,18	106,0	0,00	90,80	-	-	0,00	0,00	-
22	9.792	9.793	1,15	106,0	0,00	90,82	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniņō vĕjo elektriniņō (Īilutēs raj. sav. Usēnō ir Juknaiēiņō sen.: Kavoliņō, Stremeniņō, Kūgeliņō, Okslindpiņō, Skieriņō bei Menklaukiņō kaimuose) statyba ir eksploatacija

Licensed user:

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LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	10.753	10.754	0,00	106,0	0,00	91,63	-	-	0,00	0,00	-
24	11.016	11.017	-0,30	106,0	0,00	91,84	-	-	0,00	0,00	-
25	11.406	11.406	-0,73	106,0	0,00	92,14	-	-	0,00	0,00	-
26	614	619	33,86	104,5	0,00	66,84	-	-	0,00	0,00	-
27	973	976	28,81	104,5	0,00	70,79	-	-	0,00	0,00	-
28	1.274	1.276	25,72	104,5	0,00	73,12	-	-	0,00	0,00	-
29	1.114	1.116	27,28	104,5	0,00	71,95	-	-	0,00	0,00	-
3	2.004	2.008	20,16	106,0	0,00	77,06	-	-	0,00	0,00	-
30	1.225	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
31	2.064	2.066	19,91	104,5	0,00	77,30	-	-	0,00	0,00	-
32	2.493	2.495	17,56	104,5	0,00	78,94	-	-	0,00	0,00	-
33	3.664	3.665	12,99	104,5	0,00	82,28	-	-	0,00	0,00	-
34	4.080	4.081	11,70	104,5	0,00	83,22	-	-	0,00	0,00	-
35	5.107	5.108	9,01	104,5	0,00	85,17	-	-	0,00	0,00	-
36	7.016	7.016	5,29	104,5	0,00	87,92	-	-	0,00	0,00	-
37	7.556	7.556	4,44	104,5	0,00	88,57	-	-	0,00	0,00	-
38	6.379	6.381	7,35	106,0	0,00	87,10	-	-	0,00	0,00	-
39	2.108	2.114	21,13	106,0	0,00	77,50	-	-	0,00	0,00	-
4	3.678	3.681	12,13	106,0	0,00	82,32	-	-	0,00	0,00	-
40	5.224	5.226	9,65	106,0	0,00	85,36	-	-	0,00	0,00	-
41	4.792	4.794	10,66	106,0	0,00	84,61	-	-	0,00	0,00	-
42	4.386	4.389	11,73	106,0	0,00	83,85	-	-	0,00	0,00	-
43	1.893	1.899	22,46	106,0	0,00	76,57	-	-	0,00	0,00	-
44	10.201	10.202	1,02	104,5	0,00	91,17	-	-	0,00	0,00	-
45	1.544	1.550	23,42	104,5	0,00	74,81	-	-	0,00	0,00	-
46	1.617	1.623	22,87	104,5	0,00	75,21	-	-	0,00	0,00	-
47	2.042	2.047	20,03	104,5	0,00	77,22	-	-	0,00	0,00	-
48	1.894	1.899	20,95	104,5	0,00	76,57	-	-	0,00	0,00	-
5	2.830	2.833	15,60	106,0	0,00	80,05	-	-	0,00	0,00	-
6	6.942	6.943	4,91	106,0	0,00	87,83	-	-	0,00	0,00	-
7	9.984	9.985	1,12	106,0	0,00	90,99	-	-	0,00	0,00	-
8	4.881	4.883	8,76	106,0	0,00	84,77	-	-	0,00	0,00	-
9	4.014	4.015	12,50	106,0	0,00	83,07	-	-	0,00	0,00	-
Sum			41,74								

- Data undefined due to calculation with octave data

Noise sensitive area: F Noise sensitive point: User defined (7)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	375	396	40,05	106,0	0,00	62,96	-	-	0,00	0,00	-
10	4.470	4.471	11,11	106,0	0,00	84,01	-	-	0,00	0,00	-
11	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
12	5.498	5.500	8,44	106,0	0,00	85,81	-	-	0,00	0,00	-
13	5.858	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
14	5.669	5.670	8,05	106,0	0,00	86,07	-	-	0,00	0,00	-
15	7.134	7.135	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
16	7.527	7.528	4,44	106,0	0,00	88,53	-	-	0,00	0,00	-
17	7.561	7.562	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
18	9.390	9.391	1,67	106,0	0,00	90,45	-	-	0,00	0,00	-
19	9.422	9.423	1,63	106,0	0,00	90,48	-	-	0,00	0,00	-
2	743	754	32,63	106,0	0,00	68,54	-	-	0,00	0,00	-
20	9.573	9.573	1,43	106,0	0,00	90,62	-	-	0,00	0,00	-
21	9.719	9.720	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
22	9.740	9.741	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
23	10.700	10.701	0,06	106,0	0,00	91,59	-	-	0,00	0,00	-
24	10.964	10.964	-0,24	106,0	0,00	91,80	-	-	0,00	0,00	-
25	11.354	11.354	-0,67	106,0	0,00	92,10	-	-	0,00	0,00	-
26	569	574	34,68	104,5	0,00	66,18	-	-	0,00	0,00	-
27	924	927	29,39	104,5	0,00	70,34	-	-	0,00	0,00	-
28	1.224	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
29	1.061	1.063	27,83	104,5	0,00	71,53	-	-	0,00	0,00	-
3	1.952	1.956	20,51	106,0	0,00	76,83	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	1.175	1.178	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
31	2.014	2.016	20,22	104,5	0,00	77,09	-	-	0,00	0,00	-
32	2.446	2.447	17,79	104,5	0,00	78,77	-	-	0,00	0,00	-
33	3.616	3.617	13,15	104,5	0,00	82,17	-	-	0,00	0,00	-
34	4.030	4.031	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
35	5.057	5.057	9,13	104,5	0,00	85,08	-	-	0,00	0,00	-
36	6.963	6.963	5,38	104,5	0,00	87,86	-	-	0,00	0,00	-
37	7.503	7.504	4,52	104,5	0,00	88,51	-	-	0,00	0,00	-
38	6.330	6.332	7,44	106,0	0,00	87,03	-	-	0,00	0,00	-
39	2.062	2.067	21,41	106,0	0,00	77,31	-	-	0,00	0,00	-
4	3.628	3.631	12,30	106,0	0,00	82,20	-	-	0,00	0,00	-
40	5.171	5.173	9,77	106,0	0,00	85,28	-	-	0,00	0,00	-
41	4.739	4.741	10,79	106,0	0,00	84,52	-	-	0,00	0,00	-
42	4.334	4.336	11,89	106,0	0,00	83,74	-	-	0,00	0,00	-
43	1.852	1.857	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
44	10.149	10.149	1,08	104,5	0,00	91,13	-	-	0,00	0,00	-
45	1.491	1.497	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
46	1.567	1.574	23,24	104,5	0,00	74,94	-	-	0,00	0,00	-
47	1.992	1.997	20,34	104,5	0,00	77,01	-	-	0,00	0,00	-
48	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
5	2.781	2.784	15,83	106,0	0,00	79,89	-	-	0,00	0,00	-
6	6.890	6.892	4,99	106,0	0,00	87,77	-	-	0,00	0,00	-
7	9.931	9.932	1,17	106,0	0,00	90,94	-	-	0,00	0,00	-
8	4.832	4.834	8,87	106,0	0,00	84,69	-	-	0,00	0,00	-
9	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
Sum			42,74								

- Data undefined due to calculation with octave data

Noise sensitive area: G Noise sensitive point: User defined (8)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	327	351	41,38	106,0	0,00	61,90	-	-	0,00	0,00	-
10	4.457	4.458	11,15	106,0	0,00	83,98	-	-	0,00	0,00	-
11	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
12	5.409	5.411	8,65	106,0	0,00	85,67	-	-	0,00	0,00	-
13	5.770	5.771	7,82	106,0	0,00	86,22	-	-	0,00	0,00	-
14	5.584	5.585	8,25	106,0	0,00	85,94	-	-	0,00	0,00	-
15	7.070	7.071	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
16	7.465	7.466	4,54	106,0	0,00	88,46	-	-	0,00	0,00	-
17	7.503	7.503	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
18	9.314	9.314	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
19	9.351	9.351	1,72	106,0	0,00	90,42	-	-	0,00	0,00	-
2	667	679	33,88	106,0	0,00	67,64	-	-	0,00	0,00	-
20	9.504	9.504	1,52	106,0	0,00	90,56	-	-	0,00	0,00	-
21	9.641	9.642	1,34	106,0	0,00	90,68	-	-	0,00	0,00	-
22	9.666	9.666	1,31	106,0	0,00	90,71	-	-	0,00	0,00	-
23	10.638	10.639	0,13	106,0	0,00	91,54	-	-	0,00	0,00	-
24	10.895	10.896	-0,17	106,0	0,00	91,75	-	-	0,00	0,00	-
25	11.278	11.279	-0,59	106,0	0,00	92,05	-	-	0,00	0,00	-
26	575	580	34,56	104,5	0,00	66,27	-	-	0,00	0,00	-
27	913	916	29,53	104,5	0,00	70,24	-	-	0,00	0,00	-
28	1.206	1.209	26,35	104,5	0,00	72,65	-	-	0,00	0,00	-
29	1.007	1.010	28,42	104,5	0,00	71,09	-	-	0,00	0,00	-
3	1.881	1.886	20,99	106,0	0,00	76,51	-	-	0,00	0,00	-
30	1.090	1.093	27,52	104,5	0,00	71,77	-	-	0,00	0,00	-
31	1.930	1.931	20,75	104,5	0,00	76,72	-	-	0,00	0,00	-
32	2.354	2.355	18,27	104,5	0,00	78,44	-	-	0,00	0,00	-
33	3.524	3.525	13,46	104,5	0,00	81,94	-	-	0,00	0,00	-
34	3.945	3.946	12,10	104,5	0,00	82,92	-	-	0,00	0,00	-
35	5.027	5.028	9,20	104,5	0,00	85,03	-	-	0,00	0,00	-
36	6.903	6.904	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
37	7.435	7.435	4,62	104,5	0,00	88,43	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	6.243	6.245	7,59	106,0	0,00	86,91	-	-	0,00	0,00	-
39	2.057	2.062	21,44	106,0	0,00	77,29	-	-	0,00	0,00	-
4	3.543	3.546	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
40	5.105	5.107	9,92	106,0	0,00	85,16	-	-	0,00	0,00	-
41	4.681	4.683	10,93	106,0	0,00	84,41	-	-	0,00	0,00	-
42	4.269	4.271	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
43	1.750	1.756	23,42	106,0	0,00	75,89	-	-	0,00	0,00	-
44	10.077	10.077	1,16	104,5	0,00	91,07	-	-	0,00	0,00	-
45	1.439	1.445	24,25	104,5	0,00	74,20	-	-	0,00	0,00	-
46	1.548	1.554	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
47	1.970	1.975	20,47	104,5	0,00	76,91	-	-	0,00	0,00	-
48	1.797	1.802	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
5	2.694	2.697	16,25	106,0	0,00	79,62	-	-	0,00	0,00	-
6	6.813	6.814	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
7	9.860	9.861	1,25	106,0	0,00	90,88	-	-	0,00	0,00	-
8	4.811	4.812	8,92	106,0	0,00	84,65	-	-	0,00	0,00	-
9	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
Sum			43,67								

- Data undefined due to calculation with octave data

Noise sensitive area: H Noise sensitive point: User defined (9)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	291	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
10	4.421	4.422	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
11	4.373	4.374	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
12	5.382	5.384	8,72	106,0	0,00	85,62	-	-	0,00	0,00	-
13	5.742	5.744	7,89	106,0	0,00	86,18	-	-	0,00	0,00	-
14	5.555	5.556	8,31	106,0	0,00	85,90	-	-	0,00	0,00	-
15	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
16	7.431	7.432	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
17	7.468	7.469	4,54	106,0	0,00	88,47	-	-	0,00	0,00	-
18	9.282	9.283	1,81	106,0	0,00	90,35	-	-	0,00	0,00	-
19	9.318	9.319	1,76	106,0	0,00	90,39	-	-	0,00	0,00	-
2	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
20	9.471	9.472	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
21	9.610	9.611	1,38	106,0	0,00	90,66	-	-	0,00	0,00	-
22	9.634	9.635	1,35	106,0	0,00	90,68	-	-	0,00	0,00	-
23	10.604	10.605	0,17	106,0	0,00	91,51	-	-	0,00	0,00	-
24	10.863	10.863	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
25	11.247	11.248	-0,56	106,0	0,00	92,02	-	-	0,00	0,00	-
26	542	548	35,19	104,5	0,00	65,77	-	-	0,00	0,00	-
27	877	881	29,98	104,5	0,00	69,89	-	-	0,00	0,00	-
28	1.170	1.173	26,70	104,5	0,00	72,39	-	-	0,00	0,00	-
29	972	975	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
3	1.849	1.853	21,22	106,0	0,00	76,36	-	-	0,00	0,00	-
30	1.061	1.064	27,83	104,5	0,00	71,54	-	-	0,00	0,00	-
31	1.901	1.902	20,93	104,5	0,00	76,59	-	-	0,00	0,00	-
32	2.328	2.329	18,41	104,5	0,00	78,35	-	-	0,00	0,00	-
33	3.498	3.499	13,54	104,5	0,00	81,88	-	-	0,00	0,00	-
34	3.917	3.918	12,19	104,5	0,00	82,86	-	-	0,00	0,00	-
35	4.991	4.992	9,29	104,5	0,00	84,97	-	-	0,00	0,00	-
36	6.869	6.869	5,54	104,5	0,00	87,74	-	-	0,00	0,00	-
37	7.402	7.402	4,67	104,5	0,00	88,39	-	-	0,00	0,00	-
38	6.215	6.217	7,65	106,0	0,00	86,87	-	-	0,00	0,00	-
39	2.021	2.027	21,66	106,0	0,00	77,14	-	-	0,00	0,00	-
4	3.515	3.517	12,72	106,0	0,00	81,92	-	-	0,00	0,00	-
40	5.072	5.074	10,00	106,0	0,00	85,11	-	-	0,00	0,00	-
41	4.646	4.649	11,02	106,0	0,00	84,35	-	-	0,00	0,00	-
42	4.235	4.238	12,19	106,0	0,00	83,54	-	-	0,00	0,00	-
43	1.730	1.737	23,55	106,0	0,00	75,79	-	-	0,00	0,00	-
44	10.045	10.045	1,20	104,5	0,00	91,04	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
45	1.403	1.410	24,54	104,5	0,00	73,99	-	-	0,00	0,00	-
46	1.512	1.518	23,67	104,5	0,00	74,63	-	-	0,00	0,00	-
47	1.933	1.939	20,70	104,5	0,00	76,75	-	-	0,00	0,00	-
48	1.761	1.767	21,84	104,5	0,00	75,94	-	-	0,00	0,00	-
5	2.666	2.669	16,39	106,0	0,00	79,53	-	-	0,00	0,00	-
6	6.782	6.783	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
7	9.828	9.829	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.775	4.776	9,01	106,0	0,00	84,58	-	-	0,00	0,00	-
9	3.917	3.919	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
Sum			44,51								

- Data undefined due to calculation with octave data

Noise sensitive area: I Noise sensitive point: User defined (11)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	481	497	37,52	106,0	0,00	64,93	-	-	0,00	0,00	-
10	4.589	4.590	10,78	106,0	0,00	84,24	-	-	0,00	0,00	-
11	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
12	5.307	5.308	8,90	106,0	0,00	85,50	-	-	0,00	0,00	-
13	5.666	5.667	8,06	106,0	0,00	86,07	-	-	0,00	0,00	-
14	5.496	5.498	8,45	106,0	0,00	85,80	-	-	0,00	0,00	-
15	7.059	7.060	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
16	7.459	7.460	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
17	7.510	7.510	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
18	9.258	9.259	1,84	106,0	0,00	90,33	-	-	0,00	0,00	-
19	9.311	9.312	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
2	683	695	33,61	106,0	0,00	67,84	-	-	0,00	0,00	-
20	9.474	9.474	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
21	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
22	9.616	9.617	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
23	10.631	10.632	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
24	10.867	10.867	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
25	11.226	11.227	-0,53	106,0	0,00	92,01	-	-	0,00	0,00	-
26	791	794	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
27	1.081	1.084	27,61	104,5	0,00	71,70	-	-	0,00	0,00	-
28	1.352	1.355	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
29	1.073	1.075	27,71	104,5	0,00	71,63	-	-	0,00	0,00	-
3	1.868	1.872	21,09	106,0	0,00	76,44	-	-	0,00	0,00	-
30	1.038	1.041	28,08	104,5	0,00	71,35	-	-	0,00	0,00	-
31	1.860	1.861	21,20	104,5	0,00	76,40	-	-	0,00	0,00	-
32	2.249	2.250	18,85	104,5	0,00	78,04	-	-	0,00	0,00	-
33	3.409	3.410	13,85	104,5	0,00	81,65	-	-	0,00	0,00	-
34	3.863	3.863	12,36	104,5	0,00	82,74	-	-	0,00	0,00	-
35	5.120	5.121	8,98	104,5	0,00	85,19	-	-	0,00	0,00	-
36	6.907	6.908	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
37	7.409	7.409	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
38	6.149	6.151	7,77	106,0	0,00	86,78	-	-	0,00	0,00	-
39	2.217	2.222	20,51	106,0	0,00	77,93	-	-	0,00	0,00	-
4	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
40	5.089	5.092	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
41	4.692	4.695	10,90	106,0	0,00	84,43	-	-	0,00	0,00	-
42	4.259	4.262	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
43	1.592	1.599	24,55	106,0	0,00	75,08	-	-	0,00	0,00	-
44	10.034	10.035	1,21	104,5	0,00	91,03	-	-	0,00	0,00	-
45	1.493	1.499	23,82	104,5	0,00	74,52	-	-	0,00	0,00	-
46	1.683	1.689	22,38	104,5	0,00	75,55	-	-	0,00	0,00	-
47	2.094	2.098	19,72	104,5	0,00	77,44	-	-	0,00	0,00	-
48	1.866	1.872	21,13	104,5	0,00	76,44	-	-	0,00	0,00	-
5	2.609	2.612	16,67	106,0	0,00	79,34	-	-	0,00	0,00	-
6	6.754	6.755	5,21	106,0	0,00	87,59	-	-	0,00	0,00	-
7	9.823	9.824	1,29	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.924	4.925	8,66	106,0	0,00	84,85	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
9	4.088	4.089	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
Sum			41,14								

- Data undefined due to calculation with octave data

Noise sensitive area: J Noise sensitive point: User defined (12)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	454	472	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
10	4.570	4.572	10,83	106,0	0,00	84,20	-	-	0,00	0,00	-
11	4.502	4.504	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
12	5.317	5.318	8,88	106,0	0,00	85,52	-	-	0,00	0,00	-
13	5.677	5.678	8,03	106,0	0,00	86,08	-	-	0,00	0,00	-
14	5.505	5.506	8,43	106,0	0,00	85,82	-	-	0,00	0,00	-
15	7.059	7.059	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
16	7.457	7.458	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
17	7.507	7.507	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
18	9.263	9.264	1,84	106,0	0,00	90,34	-	-	0,00	0,00	-
19	9.314	9.315	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
2	674	685	33,77	106,0	0,00	67,72	-	-	0,00	0,00	-
20	9.475	9.476	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
21	9.584	9.585	1,41	106,0	0,00	90,63	-	-	0,00	0,00	-
22	9.620	9.621	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
23	10.630	10.631	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
24	10.868	10.869	-0,14	106,0	0,00	91,72	-	-	0,00	0,00	-
25	11.231	11.231	-0,54	106,0	0,00	92,01	-	-	0,00	0,00	-
26	761	765	31,55	104,5	0,00	68,67	-	-	0,00	0,00	-
27	1.057	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
28	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
29	1.059	1.062	27,85	104,5	0,00	71,52	-	-	0,00	0,00	-
3	1.865	1.870	21,10	106,0	0,00	76,43	-	-	0,00	0,00	-
30	1.039	1.042	28,07	104,5	0,00	71,35	-	-	0,00	0,00	-
31	1.864	1.866	21,17	104,5	0,00	76,42	-	-	0,00	0,00	-
32	2.258	2.260	18,79	104,5	0,00	78,08	-	-	0,00	0,00	-
33	3.421	3.421	13,81	104,5	0,00	81,68	-	-	0,00	0,00	-
34	3.870	3.871	12,33	104,5	0,00	82,76	-	-	0,00	0,00	-
35	5.107	5.107	9,02	104,5	0,00	85,16	-	-	0,00	0,00	-
36	6.905	6.905	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
37	7.410	7.410	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
38	6.159	6.160	7,75	106,0	0,00	86,79	-	-	0,00	0,00	-
39	2.195	2.200	20,63	106,0	0,00	77,85	-	-	0,00	0,00	-
4	3.468	3.470	12,90	106,0	0,00	81,81	-	-	0,00	0,00	-
40	5.089	5.091	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
41	4.688	4.691	10,91	106,0	0,00	84,42	-	-	0,00	0,00	-
42	4.258	4.261	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
43	1.608	1.615	24,43	106,0	0,00	75,16	-	-	0,00	0,00	-
44	10.037	10.038	1,21	104,5	0,00	91,03	-	-	0,00	0,00	-
45	1.482	1.488	23,90	104,5	0,00	74,45	-	-	0,00	0,00	-
46	1.663	1.669	22,53	104,5	0,00	75,45	-	-	0,00	0,00	-
47	2.076	2.080	19,83	104,5	0,00	77,36	-	-	0,00	0,00	-
48	1.854	1.859	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	2.617	2.620	16,64	106,0	0,00	79,36	-	-	0,00	0,00	-
6	6.759	6.760	5,20	106,0	0,00	87,60	-	-	0,00	0,00	-
7	9.825	9.826	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.908	4.909	8,70	106,0	0,00	84,82	-	-	0,00	0,00	-
9	4.069	4.071	12,33	106,0	0,00	83,19	-	-	0,00	0,00	-
Sum			41,50								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: K Noise sensitive point: User defined (13)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	506	522	36,96	106,0	0,00	65,35	-	-	0,00	0,00	-
10	4.329	4.330	11,53	106,0	0,00	83,73	-	-	0,00	0,00	-
11	4.230	4.231	11,83	106,0	0,00	83,53	-	-	0,00	0,00	-
12	4.893	4.894	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
13	5.252	5.254	9,03	106,0	0,00	85,41	-	-	0,00	0,00	-
14	5.083	5.084	9,46	106,0	0,00	85,12	-	-	0,00	0,00	-
15	6.668	6.669	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
16	7.070	7.070	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
17	7.127	7.128	5,13	106,0	0,00	88,06	-	-	0,00	0,00	-
18	8.849	8.850	2,41	106,0	0,00	89,94	-	-	0,00	0,00	-
19	8.907	8.908	2,32	106,0	0,00	90,00	-	-	0,00	0,00	-
2	416	436	39,00	106,0	0,00	63,78	-	-	0,00	0,00	-
20	9.073	9.074	2,09	106,0	0,00	90,16	-	-	0,00	0,00	-
21	9.168	9.169	1,97	106,0	0,00	90,25	-	-	0,00	0,00	-
22	9.209	9.209	1,91	106,0	0,00	90,28	-	-	0,00	0,00	-
23	10.240	10.241	0,60	106,0	0,00	91,21	-	-	0,00	0,00	-
24	10.466	10.467	0,33	106,0	0,00	91,40	-	-	0,00	0,00	-
25	10.818	10.819	-0,08	106,0	0,00	91,68	-	-	0,00	0,00	-
26	804	808	30,94	104,5	0,00	69,14	-	-	0,00	0,00	-
27	964	967	28,91	104,5	0,00	70,71	-	-	0,00	0,00	-
28	1.173	1.175	26,68	104,5	0,00	72,40	-	-	0,00	0,00	-
29	803	807	30,95	104,5	0,00	69,14	-	-	0,00	0,00	-
3	1.488	1.494	24,03	106,0	0,00	74,49	-	-	0,00	0,00	-
30	651	656	33,23	104,5	0,00	67,34	-	-	0,00	0,00	-
31	1.453	1.455	24,18	104,5	0,00	74,26	-	-	0,00	0,00	-
32	1.835	1.836	21,37	104,5	0,00	76,28	-	-	0,00	0,00	-
33	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
34	3.450	3.451	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
35	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
36	6.524	6.524	6,13	104,5	0,00	87,29	-	-	0,00	0,00	-
37	7.011	7.011	5,30	104,5	0,00	87,92	-	-	0,00	0,00	-
38	5.735	5.738	8,57	106,0	0,00	86,17	-	-	0,00	0,00	-
39	2.025	2.030	21,64	106,0	0,00	77,15	-	-	0,00	0,00	-
4	3.048	3.051	14,61	106,0	0,00	80,69	-	-	0,00	0,00	-
40	4.697	4.700	10,89	106,0	0,00	84,44	-	-	0,00	0,00	-
41	4.316	4.319	11,94	106,0	0,00	83,71	-	-	0,00	0,00	-
42	3.872	3.875	13,36	106,0	0,00	82,76	-	-	0,00	0,00	-
43	1.188	1.197	27,97	106,0	0,00	72,56	-	-	0,00	0,00	-
44	9.629	9.630	1,67	104,5	0,00	90,67	-	-	0,00	0,00	-
45	1.183	1.192	26,52	104,5	0,00	72,52	-	-	0,00	0,00	-
46	1.470	1.477	24,00	104,5	0,00	74,39	-	-	0,00	0,00	-
47	1.850	1.856	21,24	104,5	0,00	76,37	-	-	0,00	0,00	-
48	1.562	1.568	23,28	104,5	0,00	74,91	-	-	0,00	0,00	-
5	2.197	2.201	18,95	106,0	0,00	77,85	-	-	0,00	0,00	-
6	6.345	6.346	5,87	106,0	0,00	87,05	-	-	0,00	0,00	-
7	9.419	9.420	1,72	106,0	0,00	90,48	-	-	0,00	0,00	-
8	4.639	4.641	9,34	106,0	0,00	84,33	-	-	0,00	0,00	-
9	3.835	3.837	13,09	106,0	0,00	82,68	-	-	0,00	0,00	-
Sum			43,34								

- Data undefined due to calculation with octave data

Noise sensitive area: L Noise sensitive point: User defined (14)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	472	489	37,70	106,0	0,00	64,78	-	-	0,00	0,00	-
10	4.291	4.292	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
11	4.194	4.195	11,94	106,0	0,00	83,46	-	-	0,00	0,00	-
12	4.887	4.889	9,96	106,0	0,00	84,78	-	-	0,00	0,00	-
13	5.247	5.248	9,05	106,0	0,00	85,40	-	-	0,00	0,00	-
14	5.075	5.076	9,48	106,0	0,00	85,11	-	-	0,00	0,00	-
15	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
17	7.105	7.106	5,17	106,0	0,00	88,03	-	-	0,00	0,00	-
18	8.836	8.837	2,42	106,0	0,00	89,93	-	-	0,00	0,00	-
19	8.891	8.892	2,35	106,0	0,00	89,98	-	-	0,00	0,00	-
2	374	396	40,06	106,0	0,00	62,95	-	-	0,00	0,00	-
20	9.056	9.057	2,12	106,0	0,00	90,14	-	-	0,00	0,00	-
21	9.156	9.157	1,98	106,0	0,00	90,23	-	-	0,00	0,00	-
22	9.195	9.195	1,93	106,0	0,00	90,27	-	-	0,00	0,00	-
23	10.220	10.221	0,62	106,0	0,00	91,19	-	-	0,00	0,00	-
24	10.449	10.450	0,35	106,0	0,00	91,38	-	-	0,00	0,00	-
25	10.805	10.805	-0,06	106,0	0,00	91,67	-	-	0,00	0,00	-
26	765	769	31,49	104,5	0,00	68,72	-	-	0,00	0,00	-
27	921	924	29,43	104,5	0,00	70,32	-	-	0,00	0,00	-
28	1.130	1.133	27,10	104,5	0,00	72,08	-	-	0,00	0,00	-
29	763	767	31,51	104,5	0,00	68,70	-	-	0,00	0,00	-
3	1.464	1.470	24,24	106,0	0,00	74,34	-	-	0,00	0,00	-
30	628	632	33,63	104,5	0,00	67,02	-	-	0,00	0,00	-
31	1.438	1.440	24,30	104,5	0,00	74,17	-	-	0,00	0,00	-
32	1.828	1.830	21,41	104,5	0,00	76,25	-	-	0,00	0,00	-
33	2.992	2.993	15,41	104,5	0,00	80,52	-	-	0,00	0,00	-
34	3.440	3.441	13,74	104,5	0,00	81,73	-	-	0,00	0,00	-
35	4.778	4.779	9,81	104,5	0,00	84,59	-	-	0,00	0,00	-
36	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
37	6.993	6.993	5,33	104,5	0,00	87,89	-	-	0,00	0,00	-
38	5.728	5.730	8,58	106,0	0,00	86,16	-	-	0,00	0,00	-
39	1.983	1.988	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
4	3.038	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
40	4.677	4.680	10,94	106,0	0,00	84,40	-	-	0,00	0,00	-
41	4.292	4.295	12,02	106,0	0,00	83,66	-	-	0,00	0,00	-
42	3.850	3.853	13,43	106,0	0,00	82,72	-	-	0,00	0,00	-
43	1.193	1.202	27,92	106,0	0,00	72,60	-	-	0,00	0,00	-
44	9.614	9.614	1,69	104,5	0,00	90,66	-	-	0,00	0,00	-
45	1.147	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-
46	1.428	1.435	24,34	104,5	0,00	74,14	-	-	0,00	0,00	-
47	1.811	1.816	21,50	104,5	0,00	76,18	-	-	0,00	0,00	-
48	1.526	1.533	23,55	104,5	0,00	74,71	-	-	0,00	0,00	-
5	2.187	2.191	19,01	106,0	0,00	77,81	-	-	0,00	0,00	-
6	6.332	6.333	5,90	106,0	0,00	87,03	-	-	0,00	0,00	-
7	9.403	9.404	1,74	106,0	0,00	90,47	-	-	0,00	0,00	-
8	4.603	4.605	9,42	106,0	0,00	84,26	-	-	0,00	0,00	-
9	3.797	3.798	13,22	106,0	0,00	82,59	-	-	0,00	0,00	-
Sum			44,06								

- Data undefined due to calculation with octave data

Noise sensitive area: M Noise sensitive point: User defined (15)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	926	935	29,99	106,0	0,00	70,41	-	-	0,00	0,00	-
10	4.189	4.190	11,95	106,0	0,00	83,44	-	-	0,00	0,00	-
11	4.045	4.047	12,40	106,0	0,00	83,14	-	-	0,00	0,00	-
12	4.419	4.421	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
13	4.778	4.780	10,25	106,0	0,00	84,59	-	-	0,00	0,00	-
14	4.620	4.622	10,69	106,0	0,00	84,30	-	-	0,00	0,00	-
15	6.277	6.278	6,74	106,0	0,00	86,96	-	-	0,00	0,00	-
16	6.683	6.684	5,94	106,0	0,00	87,50	-	-	0,00	0,00	-
17	6.757	6.758	5,80	106,0	0,00	87,60	-	-	0,00	0,00	-
18	8.408	8.409	3,04	106,0	0,00	89,49	-	-	0,00	0,00	-
19	8.481	8.481	2,94	106,0	0,00	89,57	-	-	0,00	0,00	-
2	627	640	34,58	106,0	0,00	67,12	-	-	0,00	0,00	-
20	8.656	8.657	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
21	8.720	8.721	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
22	8.772	8.773	2,51	106,0	0,00	89,86	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	9.847	9.848	1,08	106,0	0,00	90,87	-	-	0,00	0,00	-
24	10.049	10.050	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
25	10.378	10.379	0,43	106,0	0,00	91,32	-	-	0,00	0,00	-
26	1.157	1.159	26,84	104,5	0,00	72,28	-	-	0,00	0,00	-
27	1.174	1.177	26,66	104,5	0,00	72,41	-	-	0,00	0,00	-
28	1.276	1.278	25,70	104,5	0,00	73,13	-	-	0,00	0,00	-
29	844	848	30,40	104,5	0,00	69,57	-	-	0,00	0,00	-
3	1.181	1.188	26,97	106,0	0,00	72,50	-	-	0,00	0,00	-
30	452	459	37,06	104,5	0,00	64,23	-	-	0,00	0,00	-
31	1.046	1.049	27,99	104,5	0,00	71,42	-	-	0,00	0,00	-
32	1.371	1.374	24,86	104,5	0,00	73,76	-	-	0,00	0,00	-
33	2.517	2.519	17,45	104,5	0,00	79,02	-	-	0,00	0,00	-
34	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
35	4.589	4.589	10,29	104,5	0,00	84,24	-	-	0,00	0,00	-
36	6.152	6.152	6,82	104,5	0,00	86,78	-	-	0,00	0,00	-
37	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
38	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
39	2.038	2.043	21,56	106,0	0,00	77,21	-	-	0,00	0,00	-
4	2.595	2.598	16,75	106,0	0,00	79,29	-	-	0,00	0,00	-
40	4.309	4.312	11,96	106,0	0,00	83,69	-	-	0,00	0,00	-
41	3.967	3.970	13,04	106,0	0,00	82,98	-	-	0,00	0,00	-
42	3.498	3.501	14,68	106,0	0,00	81,88	-	-	0,00	0,00	-
43	693	708	33,91	106,0	0,00	68,00	-	-	0,00	0,00	-
44	9.199	9.200	2,19	104,5	0,00	90,28	-	-	0,00	0,00	-
45	1.072	1.082	27,64	104,5	0,00	71,68	-	-	0,00	0,00	-
46	1.491	1.498	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
47	1.797	1.803	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
48	1.421	1.429	24,39	104,5	0,00	74,10	-	-	0,00	0,00	-
5	1.750	1.755	21,93	106,0	0,00	75,89	-	-	0,00	0,00	-
6	5.903	5.905	6,65	106,0	0,00	86,42	-	-	0,00	0,00	-
7	8.994	8.995	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	4.456	4.458	9,79	106,0	0,00	83,98	-	-	0,00	0,00	-
9	3.711	3.712	13,51	106,0	0,00	82,39	-	-	0,00	0,00	-
Sum			42,35								

- Data undefined due to calculation with octave data

Noise sensitive area: N Noise sensitive point: User defined (16)

Wind speed: 10,0 m/s

WTG No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	888	897	30,50	106,0	0,00	70,06	-	-	0,00	0,00	-
10	4.159	4.160	12,05	106,0	0,00	83,38	-	-	0,00	0,00	-
11	4.019	4.020	12,49	106,0	0,00	83,08	-	-	0,00	0,00	-
12	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
13	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
14	4.630	4.632	10,66	106,0	0,00	84,32	-	-	0,00	0,00	-
15	6.274	6.275	6,75	106,0	0,00	86,95	-	-	0,00	0,00	-
16	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
17	6.751	6.752	5,82	106,0	0,00	87,59	-	-	0,00	0,00	-
18	8.414	8.415	3,04	106,0	0,00	89,50	-	-	0,00	0,00	-
19	8.483	8.484	2,93	106,0	0,00	89,57	-	-	0,00	0,00	-
2	583	597	35,40	106,0	0,00	66,52	-	-	0,00	0,00	-
20	8.658	8.658	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
21	8.727	8.728	2,58	106,0	0,00	89,82	-	-	0,00	0,00	-
22	8.777	8.778	2,51	106,0	0,00	89,87	-	-	0,00	0,00	-
23	9.845	9.845	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
24	10.051	10.051	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
25	10.384	10.385	0,42	106,0	0,00	91,33	-	-	0,00	0,00	-
26	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
27	1.129	1.132	27,12	104,5	0,00	72,07	-	-	0,00	0,00	-
28	1.231	1.234	26,11	104,5	0,00	72,83	-	-	0,00	0,00	-
29	800	804	30,99	104,5	0,00	69,10	-	-	0,00	0,00	-
3	1.162	1.170	27,17	106,0	0,00	72,36	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	414	421	37,94	104,5	0,00	63,50	-	-	0,00	0,00	-
31	1.042	1.045	28,04	104,5	0,00	71,38	-	-	0,00	0,00	-
32	1.380	1.383	24,78	104,5	0,00	73,81	-	-	0,00	0,00	-
33	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
34	3.003	3.005	15,37	104,5	0,00	80,56	-	-	0,00	0,00	-
35	4.566	4.566	10,35	104,5	0,00	84,19	-	-	0,00	0,00	-
36	6.146	6.146	6,83	104,5	0,00	86,77	-	-	0,00	0,00	-
37	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
38	5.279	5.281	9,53	106,0	0,00	85,45	-	-	0,00	0,00	-
39	1.997	2.003	21,80	106,0	0,00	77,03	-	-	0,00	0,00	-
4	2.602	2.606	16,71	106,0	0,00	79,32	-	-	0,00	0,00	-
40	4.305	4.308	11,98	106,0	0,00	83,69	-	-	0,00	0,00	-
41	3.957	3.960	13,08	106,0	0,00	82,95	-	-	0,00	0,00	-
42	3.492	3.495	14,71	106,0	0,00	81,87	-	-	0,00	0,00	-
43	717	732	33,55	106,0	0,00	68,29	-	-	0,00	0,00	-
44	9.203	9.203	2,19	104,5	0,00	90,28	-	-	0,00	0,00	-
45	1.036	1.045	28,03	104,5	0,00	71,39	-	-	0,00	0,00	-
46	1.449	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
47	1.760	1.766	21,85	104,5	0,00	75,94	-	-	0,00	0,00	-
48	1.388	1.395	24,67	104,5	0,00	73,89	-	-	0,00	0,00	-
5	1.756	1.760	21,89	106,0	0,00	75,91	-	-	0,00	0,00	-
6	5.909	5.911	6,64	106,0	0,00	86,43	-	-	0,00	0,00	-
7	8.997	8.998	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	4.429	4.431	9,86	106,0	0,00	83,93	-	-	0,00	0,00	-
9	3.680	3.681	13,62	106,0	0,00	82,32	-	-	0,00	0,00	-
Sum			42,85								

- Data undefined due to calculation with octave data

Noise sensitive area: 0 Noise sensitive point: User defined (17)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	861	871	30,87	106,0	0,00	69,80	-	-	0,00	0,00	-
10	4.104	4.105	12,22	106,0	0,00	83,27	-	-	0,00	0,00	-
11	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
12	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
13	4.782	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
14	4.616	4.618	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
15	6.243	6.244	6,81	106,0	0,00	86,91	-	-	0,00	0,00	-
16	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-
17	6.717	6.718	5,88	106,0	0,00	87,54	-	-	0,00	0,00	-
18	8.394	8.395	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
19	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
2	541	556	36,23	106,0	0,00	65,90	-	-	0,00	0,00	-
20	8.632	8.633	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
21	8.709	8.709	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
22	8.756	8.756	2,54	106,0	0,00	89,85	-	-	0,00	0,00	-
23	9.815	9.815	1,12	106,0	0,00	90,84	-	-	0,00	0,00	-
24	10.025	10.026	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
25	10.363	10.364	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
26	1.076	1.079	27,67	104,5	0,00	71,66	-	-	0,00	0,00	-
27	1.078	1.081	27,65	104,5	0,00	71,67	-	-	0,00	0,00	-
28	1.175	1.177	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
29	743	747	31,81	104,5	0,00	68,47	-	-	0,00	0,00	-
3	1.117	1.124	27,67	106,0	0,00	72,02	-	-	0,00	0,00	-
30	356	364	39,44	104,5	0,00	62,23	-	-	0,00	0,00	-
31	1.011	1.014	28,37	104,5	0,00	71,12	-	-	0,00	0,00	-
32	1.366	1.369	24,90	104,5	0,00	73,73	-	-	0,00	0,00	-
33	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
34	2.987	2.988	15,43	104,5	0,00	80,51	-	-	0,00	0,00	-
35	4.516	4.516	10,48	104,5	0,00	84,10	-	-	0,00	0,00	-
36	6.112	6.112	6,90	104,5	0,00	86,72	-	-	0,00	0,00	-
37	6.574	6.574	6,05	104,5	0,00	87,36	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniō vĕjo elektriniō (Ģilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
39	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
4	2.585	2.588	16,80	106,0	0,00	79,26	-	-	0,00	0,00	-
40	4.274	4.276	12,07	106,0	0,00	83,62	-	-	0,00	0,00	-
41	3.920	3.923	13,20	106,0	0,00	82,87	-	-	0,00	0,00	-
42	3.458	3.461	14,83	106,0	0,00	81,78	-	-	0,00	0,00	-
43	725	740	33,42	106,0	0,00	68,38	-	-	0,00	0,00	-
44	9.180	9.180	2,21	104,5	0,00	90,26	-	-	0,00	0,00	-
45	977	988	28,68	104,5	0,00	70,89	-	-	0,00	0,00	-
46	1.390	1.398	24,65	104,5	0,00	73,91	-	-	0,00	0,00	-
47	1.701	1.707	22,26	104,5	0,00	75,65	-	-	0,00	0,00	-
48	1.331	1.339	25,16	104,5	0,00	73,54	-	-	0,00	0,00	-
5	1.736	1.741	22,04	106,0	0,00	75,82	-	-	0,00	0,00	-
6	5.889	5.890	6,68	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.973	8.974	2,22	106,0	0,00	90,06	-	-	0,00	0,00	-
8	4.377	4.378	10,00	106,0	0,00	83,83	-	-	0,00	0,00	-
9	3.624	3.625	13,81	106,0	0,00	82,19	-	-	0,00	0,00	-
Sum			43,69								

- Data undefined due to calculation with octave data

Noise sensitive area: P Noise sensitive point: User defined (18)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	852	862	30,99	106,0	0,00	69,71	-	-	0,00	0,00	-
10	4.090	4.091	12,26	106,0	0,00	83,24	-	-	0,00	0,00	-
11	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
12	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
13	4.781	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
14	4.615	4.616	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
15	6.237	6.238	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
16	6.641	6.642	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
17	6.710	6.711	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
18	8.390	8.391	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
19	8.455	8.456	2,97	106,0	0,00	89,54	-	-	0,00	0,00	-
2	528	544	36,49	106,0	0,00	65,70	-	-	0,00	0,00	-
20	8.627	8.628	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
21	8.706	8.706	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
22	8.752	8.753	2,54	106,0	0,00	89,84	-	-	0,00	0,00	-
23	9.808	9.809	1,13	106,0	0,00	90,83	-	-	0,00	0,00	-
24	10.020	10.021	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
25	10.360	10.361	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
26	1.064	1.067	27,80	104,5	0,00	71,56	-	-	0,00	0,00	-
27	1.063	1.066	27,81	104,5	0,00	71,55	-	-	0,00	0,00	-
28	1.158	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
29	727	731	32,05	104,5	0,00	68,28	-	-	0,00	0,00	-
3	1.106	1.114	27,79	106,0	0,00	71,94	-	-	0,00	0,00	-
30	340	349	39,87	104,5	0,00	61,86	-	-	0,00	0,00	-
31	1.005	1.008	28,44	104,5	0,00	71,07	-	-	0,00	0,00	-
32	1.365	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
33	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
34	2.984	2.985	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
35	4.503	4.504	10,52	104,5	0,00	84,07	-	-	0,00	0,00	-
36	6.105	6.105	6,91	104,5	0,00	86,71	-	-	0,00	0,00	-
37	6.568	6.569	6,06	104,5	0,00	87,35	-	-	0,00	0,00	-
38	5.266	5.268	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
39	1.922	1.928	22,27	106,0	0,00	76,70	-	-	0,00	0,00	-
4	2.582	2.586	16,81	106,0	0,00	79,25	-	-	0,00	0,00	-
40	4.267	4.270	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
41	3.912	3.914	13,23	106,0	0,00	82,85	-	-	0,00	0,00	-
42	3.450	3.454	14,86	106,0	0,00	81,77	-	-	0,00	0,00	-
43	730	745	33,35	106,0	0,00	68,44	-	-	0,00	0,00	-
44	9.176	9.176	2,22	104,5	0,00	90,25	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
45	962	972	28,85	104,5	0,00	70,76	-	-	0,00	0,00	-
46	1.374	1.382	24,79	104,5	0,00	73,81	-	-	0,00	0,00	-
47	1.685	1.692	22,37	104,5	0,00	75,57	-	-	0,00	0,00	-
48	1.317	1.324	25,29	104,5	0,00	73,44	-	-	0,00	0,00	-
5	1.733	1.738	22,06	106,0	0,00	75,80	-	-	0,00	0,00	-
6	5.885	5.887	6,69	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.968	8.970	2,23	106,0	0,00	90,06	-	-	0,00	0,00	-
8	4.363	4.365	10,04	106,0	0,00	83,80	-	-	0,00	0,00	-
9	3.609	3.611	13,86	106,0	0,00	82,15	-	-	0,00	0,00	-
Sum			43,94								

- Data undefined due to calculation with octave data

Noise sensitive area: Q Noise sensitive point: User defined (19)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	894	903	30,42	106,0	0,00	70,11	-	-	0,00	0,00	-
10	4.038	4.039	12,42	106,0	0,00	83,13	-	-	0,00	0,00	-
11	3.897	3.898	12,88	106,0	0,00	82,82	-	-	0,00	0,00	-
12	4.359	4.361	11,44	106,0	0,00	83,79	-	-	0,00	0,00	-
13	4.719	4.720	10,42	106,0	0,00	84,48	-	-	0,00	0,00	-
14	4.550	4.552	10,88	106,0	0,00	84,16	-	-	0,00	0,00	-
15	6.170	6.171	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
16	6.574	6.575	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
17	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
18	8.324	8.325	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
19	8.389	8.390	3,07	106,0	0,00	89,47	-	-	0,00	0,00	-
2	552	567	36,00	106,0	0,00	66,08	-	-	0,00	0,00	-
20	8.560	8.561	2,82	106,0	0,00	89,65	-	-	0,00	0,00	-
21	8.640	8.641	2,70	106,0	0,00	89,73	-	-	0,00	0,00	-
22	8.686	8.686	2,64	106,0	0,00	89,78	-	-	0,00	0,00	-
23	9.741	9.742	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
24	9.953	9.954	0,95	106,0	0,00	90,96	-	-	0,00	0,00	-
25	10.294	10.295	0,53	106,0	0,00	91,25	-	-	0,00	0,00	-
26	1.090	1.093	27,51	104,5	0,00	71,77	-	-	0,00	0,00	-
27	1.067	1.070	27,76	104,5	0,00	71,59	-	-	0,00	0,00	-
28	1.145	1.148	26,95	104,5	0,00	72,20	-	-	0,00	0,00	-
29	713	717	32,26	104,5	0,00	68,12	-	-	0,00	0,00	-
3	1.043	1.051	28,52	106,0	0,00	71,43	-	-	0,00	0,00	-
30	303	313	40,98	104,5	0,00	60,90	-	-	0,00	0,00	-
31	938	942	29,22	104,5	0,00	70,48	-	-	0,00	0,00	-
32	1.301	1.304	25,47	104,5	0,00	73,30	-	-	0,00	0,00	-
33	2.462	2.464	17,71	104,5	0,00	78,83	-	-	0,00	0,00	-
34	2.919	2.920	15,71	104,5	0,00	80,31	-	-	0,00	0,00	-
35	4.444	4.445	10,67	104,5	0,00	83,96	-	-	0,00	0,00	-
36	6.038	6.038	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
37	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
38	5.202	5.204	9,70	106,0	0,00	85,33	-	-	0,00	0,00	-
39	1.891	1.897	22,47	106,0	0,00	76,56	-	-	0,00	0,00	-
4	2.517	2.521	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
40	4.200	4.203	12,30	106,0	0,00	83,47	-	-	0,00	0,00	-
41	3.846	3.848	13,45	106,0	0,00	82,71	-	-	0,00	0,00	-
42	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
43	681	697	34,08	106,0	0,00	67,86	-	-	0,00	0,00	-
44	9.109	9.110	2,30	104,5	0,00	90,19	-	-	0,00	0,00	-
45	921	932	29,34	104,5	0,00	70,39	-	-	0,00	0,00	-
46	1.347	1.354	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
47	1.647	1.653	22,65	104,5	0,00	75,37	-	-	0,00	0,00	-
48	1.269	1.277	25,71	104,5	0,00	73,13	-	-	0,00	0,00	-
5	1.668	1.673	22,56	106,0	0,00	75,47	-	-	0,00	0,00	-
6	5.819	5.821	6,81	106,0	0,00	86,30	-	-	0,00	0,00	-
7	8.902	8.903	2,31	106,0	0,00	89,99	-	-	0,00	0,00	-
8	4.308	4.310	10,18	106,0	0,00	83,69	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniņ vĕjo elektriniņ (Ģilutēs raj. sav. Usēnņ ir Juknaiēnņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
9	3.559	3.561	14,04	106,0	0,00	82,03	-	-	0,00	0,00	-
Sum			44,46								

- Data undefined due to calculation with octave data

Noise sensitive area: R Noise sensitive point: User defined (20)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	867	877	30,78	106,0	0,00	69,86	-	-	0,00	0,00	-
10	4.020	4.021	12,48	106,0	0,00	83,09	-	-	0,00	0,00	-
11	3.882	3.883	12,93	106,0	0,00	82,78	-	-	0,00	0,00	-
12	4.373	4.375	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
13	4.733	4.734	10,38	106,0	0,00	84,51	-	-	0,00	0,00	-
14	4.562	4.564	10,85	106,0	0,00	84,19	-	-	0,00	0,00	-
15	6.172	6.173	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
16	6.576	6.577	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
17	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
18	8.333	8.334	3,16	106,0	0,00	89,42	-	-	0,00	0,00	-
19	8.395	8.396	3,06	106,0	0,00	89,48	-	-	0,00	0,00	-
2	522	538	36,61	106,0	0,00	65,61	-	-	0,00	0,00	-
20	8.565	8.566	2,81	106,0	0,00	89,66	-	-	0,00	0,00	-
21	8.649	8.650	2,69	106,0	0,00	89,74	-	-	0,00	0,00	-
22	8.694	8.694	2,63	106,0	0,00	89,78	-	-	0,00	0,00	-
23	9.744	9.745	1,21	106,0	0,00	90,78	-	-	0,00	0,00	-
24	9.959	9.959	0,94	106,0	0,00	90,96	-	-	0,00	0,00	-
25	10.302	10.303	0,52	106,0	0,00	91,26	-	-	0,00	0,00	-
26	1.060	1.063	27,84	104,5	0,00	71,53	-	-	0,00	0,00	-
27	1.035	1.038	28,11	104,5	0,00	71,32	-	-	0,00	0,00	-
28	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
29	682	687	32,74	104,5	0,00	67,73	-	-	0,00	0,00	-
3	1.036	1.044	28,61	106,0	0,00	71,37	-	-	0,00	0,00	-
30	277	288	41,81	104,5	0,00	60,18	-	-	0,00	0,00	-
31	943	946	29,17	104,5	0,00	70,52	-	-	0,00	0,00	-
32	1.315	1.317	25,35	104,5	0,00	73,39	-	-	0,00	0,00	-
33	2.478	2.479	17,64	104,5	0,00	78,89	-	-	0,00	0,00	-
34	2.930	2.931	15,66	104,5	0,00	80,34	-	-	0,00	0,00	-
35	4.432	4.433	10,71	104,5	0,00	83,93	-	-	0,00	0,00	-
36	6.038	6.039	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
37	6.506	6.507	6,17	104,5	0,00	87,27	-	-	0,00	0,00	-
38	5.215	5.217	9,67	106,0	0,00	85,35	-	-	0,00	0,00	-
39	1.864	1.870	22,65	106,0	0,00	76,44	-	-	0,00	0,00	-
4	2.528	2.531	17,09	106,0	0,00	79,07	-	-	0,00	0,00	-
40	4.202	4.205	12,29	106,0	0,00	83,48	-	-	0,00	0,00	-
41	3.843	3.846	13,46	106,0	0,00	82,70	-	-	0,00	0,00	-
42	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
43	706	721	33,70	106,0	0,00	68,16	-	-	0,00	0,00	-
44	9.116	9.117	2,29	104,5	0,00	90,20	-	-	0,00	0,00	-
45	897	909	29,62	104,5	0,00	70,17	-	-	0,00	0,00	-
46	1.319	1.326	25,27	104,5	0,00	73,45	-	-	0,00	0,00	-
47	1.622	1.629	22,82	104,5	0,00	75,24	-	-	0,00	0,00	-
48	1.249	1.257	25,90	104,5	0,00	72,99	-	-	0,00	0,00	-
5	1.678	1.683	22,48	106,0	0,00	75,52	-	-	0,00	0,00	-
6	5.828	5.829	6,79	106,0	0,00	86,31	-	-	0,00	0,00	-
7	8.908	8.909	2,30	106,0	0,00	90,00	-	-	0,00	0,00	-
8	4.292	4.294	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
9	3.540	3.542	14,11	106,0	0,00	81,99	-	-	0,00	0,00	-
Sum			44,98								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: S Noise sensitive point: User defined (21)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.003	1.011	29,01	106,0	0,00	71,10	-	-	0,00	0,00	-
10	4.041	4.043	12,41	106,0	0,00	83,13	-	-	0,00	0,00	-
11	3.889	3.891	12,91	106,0	0,00	82,80	-	-	0,00	0,00	-
12	4.266	4.267	11,72	106,0	0,00	83,60	-	-	0,00	0,00	-
13	4.625	4.626	10,67	106,0	0,00	84,30	-	-	0,00	0,00	-
14	4.461	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
15	6.104	6.105	7,10	106,0	0,00	86,71	-	-	0,00	0,00	-
16	6.510	6.511	6,28	106,0	0,00	87,27	-	-	0,00	0,00	-
17	6.584	6.584	6,14	106,0	0,00	87,37	-	-	0,00	0,00	-
18	8.243	8.244	3,29	106,0	0,00	89,32	-	-	0,00	0,00	-
19	8.312	8.313	3,19	106,0	0,00	89,40	-	-	0,00	0,00	-
2	659	672	34,01	106,0	0,00	67,54	-	-	0,00	0,00	-
20	8.486	8.487	2,93	106,0	0,00	89,58	-	-	0,00	0,00	-
21	8.556	8.557	2,83	106,0	0,00	89,65	-	-	0,00	0,00	-
22	8.606	8.606	2,75	106,0	0,00	89,70	-	-	0,00	0,00	-
23	9.675	9.675	1,30	106,0	0,00	90,71	-	-	0,00	0,00	-
24	9.880	9.880	1,04	106,0	0,00	90,90	-	-	0,00	0,00	-
25	10.213	10.213	0,63	106,0	0,00	91,18	-	-	0,00	0,00	-
26	1.197	1.199	26,44	104,5	0,00	72,58	-	-	0,00	0,00	-
27	1.160	1.163	26,80	104,5	0,00	72,31	-	-	0,00	0,00	-
28	1.220	1.223	26,22	104,5	0,00	72,75	-	-	0,00	0,00	-
29	791	795	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
3	1.015	1.023	28,87	106,0	0,00	71,20	-	-	0,00	0,00	-
30	359	367	39,35	104,5	0,00	62,30	-	-	0,00	0,00	-
31	873	876	30,03	104,5	0,00	69,85	-	-	0,00	0,00	-
32	1.211	1.213	26,31	104,5	0,00	72,68	-	-	0,00	0,00	-
33	2.366	2.368	18,20	104,5	0,00	78,49	-	-	0,00	0,00	-
34	2.833	2.834	16,06	104,5	0,00	80,05	-	-	0,00	0,00	-
35	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
36	5.978	5.979	7,16	104,5	0,00	86,53	-	-	0,00	0,00	-
37	6.430	6.431	6,30	104,5	0,00	87,17	-	-	0,00	0,00	-
38	5.110	5.113	9,91	106,0	0,00	85,17	-	-	0,00	0,00	-
39	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
4	2.432	2.435	17,61	106,0	0,00	78,73	-	-	0,00	0,00	-
40	4.136	4.139	12,50	106,0	0,00	83,34	-	-	0,00	0,00	-
41	3.793	3.796	13,63	106,0	0,00	82,59	-	-	0,00	0,00	-
42	3.325	3.328	15,34	106,0	0,00	81,44	-	-	0,00	0,00	-
43	573	591	35,87	106,0	0,00	66,44	-	-	0,00	0,00	-
44	9.032	9.032	2,40	104,5	0,00	90,12	-	-	0,00	0,00	-
45	955	966	28,93	104,5	0,00	70,70	-	-	0,00	0,00	-
46	1.402	1.410	24,55	104,5	0,00	73,98	-	-	0,00	0,00	-
47	1.682	1.688	22,39	104,5	0,00	75,55	-	-	0,00	0,00	-
48	1.288	1.296	25,54	104,5	0,00	73,25	-	-	0,00	0,00	-
5	1.584	1.590	23,22	106,0	0,00	75,03	-	-	0,00	0,00	-
6	5.738	5.739	6,96	106,0	0,00	86,18	-	-	0,00	0,00	-
7	8.826	8.827	2,40	106,0	0,00	89,92	-	-	0,00	0,00	-
8	4.300	4.302	10,20	106,0	0,00	83,67	-	-	0,00	0,00	-
9	3.567	3.569	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
Sum			43,62								

- Data undefined due to calculation with octave data

Noise sensitive area: T Noise sensitive point: User defined (22)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	989	997	29,19	106,0	0,00	70,97	-	-	0,00	0,00	-
10	4.001	4.002	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
11	3.851	3.852	13,03	106,0	0,00	82,71	-	-	0,00	0,00	-
12	4.259	4.260	11,74	106,0	0,00	83,59	-	-	0,00	0,00	-
13	4.618	4.620	10,69	106,0	0,00	84,29	-	-	0,00	0,00	-
14	4.451	4.453	11,17	106,0	0,00	83,97	-	-	0,00	0,00	-
15	6.082	6.083	7,15	106,0	0,00	86,68	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	6.487	6.488	6,32	106,0	0,00	87,24	-	-	0,00	0,00	-
17	6.559	6.560	6,18	106,0	0,00	87,34	-	-	0,00	0,00	-
18	8.228	8.229	3,32	106,0	0,00	89,31	-	-	0,00	0,00	-
19	8.295	8.296	3,21	106,0	0,00	89,38	-	-	0,00	0,00	-
2	636	649	34,42	106,0	0,00	67,25	-	-	0,00	0,00	-
20	8.468	8.468	2,96	106,0	0,00	89,56	-	-	0,00	0,00	-
21	8.543	8.544	2,85	106,0	0,00	89,63	-	-	0,00	0,00	-
22	8.590	8.591	2,78	106,0	0,00	89,68	-	-	0,00	0,00	-
23	9.653	9.653	1,33	106,0	0,00	90,69	-	-	0,00	0,00	-
24	9.861	9.862	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
25	10.198	10.198	0,65	106,0	0,00	91,17	-	-	0,00	0,00	-
26	1.173	1.176	26,68	104,5	0,00	72,41	-	-	0,00	0,00	-
27	1.126	1.129	27,14	104,5	0,00	72,05	-	-	0,00	0,00	-
28	1.181	1.183	26,60	104,5	0,00	72,46	-	-	0,00	0,00	-
29	752	756	31,67	104,5	0,00	68,57	-	-	0,00	0,00	-
3	979	988	29,30	106,0	0,00	70,89	-	-	0,00	0,00	-
30	318	327	40,52	104,5	0,00	61,30	-	-	0,00	0,00	-
31	850	853	30,33	104,5	0,00	69,62	-	-	0,00	0,00	-
32	1.201	1.204	26,40	104,5	0,00	72,61	-	-	0,00	0,00	-
33	2.361	2.363	18,23	104,5	0,00	78,47	-	-	0,00	0,00	-
34	2.821	2.822	16,11	104,5	0,00	80,01	-	-	0,00	0,00	-
35	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
36	5.953	5.954	7,20	104,5	0,00	86,50	-	-	0,00	0,00	-
37	6.410	6.411	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
38	5.102	5.104	9,93	106,0	0,00	85,16	-	-	0,00	0,00	-
39	1.895	1.901	22,45	106,0	0,00	76,58	-	-	0,00	0,00	-
4	2.419	2.423	17,68	106,0	0,00	78,69	-	-	0,00	0,00	-
40	4.113	4.116	12,57	106,0	0,00	83,29	-	-	0,00	0,00	-
41	3.766	3.769	13,72	106,0	0,00	82,52	-	-	0,00	0,00	-
42	3.299	3.303	15,44	106,0	0,00	81,38	-	-	0,00	0,00	-
43	585	603	35,66	106,0	0,00	66,61	-	-	0,00	0,00	-
44	9.015	9.015	2,42	104,5	0,00	90,10	-	-	0,00	0,00	-
45	912	923	29,44	104,5	0,00	70,31	-	-	0,00	0,00	-
46	1.360	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
47	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
48	1.245	1.253	25,93	104,5	0,00	72,96	-	-	0,00	0,00	-
5	1.570	1.576	23,34	106,0	0,00	74,95	-	-	0,00	0,00	-
6	5.723	5.725	6,99	106,0	0,00	86,15	-	-	0,00	0,00	-
7	8.808	8.809	2,42	106,0	0,00	89,90	-	-	0,00	0,00	-
8	4.261	4.263	10,31	106,0	0,00	83,59	-	-	0,00	0,00	-
9	3.526	3.528	14,16	106,0	0,00	81,95	-	-	0,00	0,00	-
Sum			44,22								

- Data undefined due to calculation with octave data

Noise sensitive area: U Noise sensitive point: User defined (23)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.870	1.874	21,07	106,0	0,00	76,46	-	-	0,00	0,00	-
10	2.782	2.785	17,31	106,0	0,00	79,90	-	-	0,00	0,00	-
11	2.586	2.588	18,27	106,0	0,00	79,26	-	-	0,00	0,00	-
12	3.437	3.439	14,49	106,0	0,00	81,73	-	-	0,00	0,00	-
13	3.790	3.792	13,24	106,0	0,00	82,58	-	-	0,00	0,00	-
14	3.545	3.547	14,09	106,0	0,00	82,00	-	-	0,00	0,00	-
15	4.892	4.893	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
16	5.287	5.288	8,95	106,0	0,00	85,47	-	-	0,00	0,00	-
17	5.330	5.331	8,84	106,0	0,00	85,54	-	-	0,00	0,00	-
18	7.170	7.171	5,05	106,0	0,00	88,11	-	-	0,00	0,00	-
19	7.186	7.187	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
2	1.516	1.521	23,79	106,0	0,00	74,64	-	-	0,00	0,00	-
20	7.331	7.332	4,77	106,0	0,00	88,30	-	-	0,00	0,00	-
21	7.510	7.511	4,46	106,0	0,00	88,51	-	-	0,00	0,00	-
22	7.513	7.514	4,46	106,0	0,00	88,52	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
24	8.721	8.722	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
25	9.127	9.128	2,02	106,0	0,00	90,21	-	-	0,00	0,00	-
26	1.819	1.821	21,47	104,5	0,00	76,21	-	-	0,00	0,00	-
27	1.504	1.506	23,76	104,5	0,00	74,56	-	-	0,00	0,00	-
28	1.268	1.270	25,78	104,5	0,00	73,08	-	-	0,00	0,00	-
29	1.194	1.197	26,47	104,5	0,00	72,56	-	-	0,00	0,00	-
3	327	352	41,35	106,0	0,00	61,93	-	-	0,00	0,00	-
30	1.159	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
31	600	605	34,12	104,5	0,00	66,63	-	-	0,00	0,00	-
32	885	888	29,88	104,5	0,00	69,97	-	-	0,00	0,00	-
33	1.743	1.745	21,99	104,5	0,00	75,84	-	-	0,00	0,00	-
34	1.943	1.945	20,66	104,5	0,00	76,78	-	-	0,00	0,00	-
35	3.094	3.095	15,01	104,5	0,00	80,81	-	-	0,00	0,00	-
36	4.729	4.729	9,93	104,5	0,00	84,50	-	-	0,00	0,00	-
37	5.261	5.261	8,66	104,5	0,00	85,42	-	-	0,00	0,00	-
38	4.218	4.221	12,24	106,0	0,00	83,51	-	-	0,00	0,00	-
39	1.278	1.287	27,13	106,0	0,00	73,19	-	-	0,00	0,00	-
4	1.573	1.578	23,32	106,0	0,00	74,96	-	-	0,00	0,00	-
40	2.928	2.931	16,98	106,0	0,00	80,34	-	-	0,00	0,00	-
41	2.512	2.516	18,94	106,0	0,00	79,01	-	-	0,00	0,00	-
42	2.090	2.096	21,24	106,0	0,00	77,43	-	-	0,00	0,00	-
43	1.247	1.256	27,41	106,0	0,00	72,98	-	-	0,00	0,00	-
44	7.914	7.915	3,90	104,5	0,00	88,97	-	-	0,00	0,00	-
45	790	803	31,01	104,5	0,00	69,09	-	-	0,00	0,00	-
46	1.082	1.091	27,54	104,5	0,00	71,76	-	-	0,00	0,00	-
47	951	962	28,98	104,5	0,00	70,66	-	-	0,00	0,00	-
48	596	613	33,98	104,5	0,00	66,75	-	-	0,00	0,00	-
5	891	901	30,45	106,0	0,00	70,09	-	-	0,00	0,00	-
6	4.683	4.685	9,23	106,0	0,00	84,41	-	-	0,00	0,00	-
7	7.693	7.695	3,83	106,0	0,00	88,72	-	-	0,00	0,00	-
8	2.994	2.996	14,85	106,0	0,00	80,53	-	-	0,00	0,00	-
9	2.343	2.346	19,57	106,0	0,00	78,41	-	-	0,00	0,00	-
Sum			44,43								

- Data undefined due to calculation with octave data

Noise sensitive area: V Noise sensitive point: User defined (24)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.828	1.833	21,36	106,0	0,00	76,26	-	-	0,00	0,00	-
10	2.807	2.809	17,19	106,0	0,00	79,97	-	-	0,00	0,00	-
11	2.615	2.617	18,13	106,0	0,00	79,36	-	-	0,00	0,00	-
12	3.473	3.475	14,35	106,0	0,00	81,82	-	-	0,00	0,00	-
13	3.826	3.828	13,12	106,0	0,00	82,66	-	-	0,00	0,00	-
14	3.583	3.585	13,96	106,0	0,00	82,09	-	-	0,00	0,00	-
15	4.933	4.934	9,84	106,0	0,00	84,86	-	-	0,00	0,00	-
16	5.328	5.329	8,85	106,0	0,00	85,53	-	-	0,00	0,00	-
17	5.371	5.372	8,75	106,0	0,00	85,60	-	-	0,00	0,00	-
18	7.211	7.212	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
19	7.227	7.228	4,95	106,0	0,00	88,18	-	-	0,00	0,00	-
2	1.474	1.480	24,15	106,0	0,00	74,41	-	-	0,00	0,00	-
20	7.372	7.373	4,70	106,0	0,00	88,35	-	-	0,00	0,00	-
21	7.551	7.551	4,40	106,0	0,00	88,56	-	-	0,00	0,00	-
22	7.554	7.555	4,39	106,0	0,00	88,56	-	-	0,00	0,00	-
23	8.501	8.502	2,91	106,0	0,00	89,59	-	-	0,00	0,00	-
24	8.763	8.764	2,53	106,0	0,00	89,85	-	-	0,00	0,00	-
25	9.169	9.169	1,96	106,0	0,00	90,25	-	-	0,00	0,00	-
26	1.779	1.780	21,74	104,5	0,00	76,01	-	-	0,00	0,00	-
27	1.464	1.466	24,08	104,5	0,00	74,33	-	-	0,00	0,00	-
28	1.230	1.233	26,12	104,5	0,00	72,82	-	-	0,00	0,00	-
29	1.153	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-
3	290	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	1.119	1.121	27,22	104,5	0,00	72,00	-	-	0,00	0,00	-
31	580	585	34,48	104,5	0,00	66,34	-	-	0,00	0,00	-
32	887	890	29,85	104,5	0,00	69,99	-	-	0,00	0,00	-
33	1.770	1.771	21,81	104,5	0,00	75,97	-	-	0,00	0,00	-
34	1.979	1.980	20,44	104,5	0,00	76,94	-	-	0,00	0,00	-
35	3.127	3.128	14,89	104,5	0,00	80,91	-	-	0,00	0,00	-
36	4.770	4.771	9,83	104,5	0,00	84,57	-	-	0,00	0,00	-
37	5.302	5.303	8,57	104,5	0,00	85,49	-	-	0,00	0,00	-
38	4.256	4.259	12,13	106,0	0,00	83,59	-	-	0,00	0,00	-
39	1.262	1.270	27,28	106,0	0,00	73,08	-	-	0,00	0,00	-
4	1.606	1.611	23,05	106,0	0,00	75,14	-	-	0,00	0,00	-
40	2.969	2.973	16,80	106,0	0,00	80,46	-	-	0,00	0,00	-
41	2.553	2.557	18,74	106,0	0,00	79,15	-	-	0,00	0,00	-
42	2.132	2.137	21,00	106,0	0,00	77,60	-	-	0,00	0,00	-
43	1.224	1.232	27,63	106,0	0,00	72,82	-	-	0,00	0,00	-
44	7.956	7.956	3,84	104,5	0,00	89,01	-	-	0,00	0,00	-
45	750	763	31,57	104,5	0,00	68,65	-	-	0,00	0,00	-
46	1.050	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
47	933	944	29,19	104,5	0,00	70,50	-	-	0,00	0,00	-
48	566	584	34,51	104,5	0,00	66,33	-	-	0,00	0,00	-
5	912	921	30,18	106,0	0,00	70,28	-	-	0,00	0,00	-
6	4.724	4.726	9,13	106,0	0,00	84,49	-	-	0,00	0,00	-
7	7.735	7.736	3,77	106,0	0,00	88,77	-	-	0,00	0,00	-
8	3.023	3.026	14,72	106,0	0,00	80,62	-	-	0,00	0,00	-
9	2.364	2.367	19,45	106,0	0,00	78,48	-	-	0,00	0,00	-
Sum			45,03								

- Data undefined due to calculation with octave data

Noise sensitive area: W Noise sensitive point: User defined (25)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.662	2.665	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
10	3.041	3.043	16,12	106,0	0,00	80,67	-	-	0,00	0,00	-
11	2.735	2.737	17,54	106,0	0,00	79,75	-	-	0,00	0,00	-
12	2.515	2.517	18,64	106,0	0,00	79,02	-	-	0,00	0,00	-
13	2.872	2.874	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
14	2.656	2.658	17,92	106,0	0,00	79,49	-	-	0,00	0,00	-
15	4.257	4.258	11,75	106,0	0,00	83,58	-	-	0,00	0,00	-
16	4.667	4.668	10,56	106,0	0,00	84,38	-	-	0,00	0,00	-
17	4.761	4.762	10,30	106,0	0,00	84,56	-	-	0,00	0,00	-
18	6.386	6.387	6,52	106,0	0,00	87,11	-	-	0,00	0,00	-
19	6.447	6.448	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
2	2.278	2.282	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
20	6.621	6.622	6,06	106,0	0,00	87,42	-	-	0,00	0,00	-
21	6.707	6.708	5,90	106,0	0,00	87,53	-	-	0,00	0,00	-
22	6.745	6.746	5,83	106,0	0,00	87,58	-	-	0,00	0,00	-
23	7.821	7.822	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
24	8.014	8.015	3,65	106,0	0,00	89,08	-	-	0,00	0,00	-
25	8.354	8.355	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
26	2.679	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
27	2.402	2.403	18,02	104,5	0,00	78,62	-	-	0,00	0,00	-
28	2.196	2.198	19,14	104,5	0,00	77,84	-	-	0,00	0,00	-
29	2.039	2.041	20,07	104,5	0,00	77,20	-	-	0,00	0,00	-
3	1.121	1.128	27,63	106,0	0,00	72,04	-	-	0,00	0,00	-
30	1.849	1.850	21,27	104,5	0,00	76,35	-	-	0,00	0,00	-
31	1.013	1.016	28,36	104,5	0,00	71,14	-	-	0,00	0,00	-
32	717	721	32,20	104,5	0,00	68,16	-	-	0,00	0,00	-
33	814	819	30,79	104,5	0,00	69,26	-	-	0,00	0,00	-
34	1.022	1.025	28,25	104,5	0,00	71,22	-	-	0,00	0,00	-
35	3.069	3.070	15,11	104,5	0,00	80,74	-	-	0,00	0,00	-
36	4.155	4.156	11,48	104,5	0,00	83,37	-	-	0,00	0,00	-
37	4.568	4.569	10,34	104,5	0,00	84,20	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	3.323	3.327	15,35	106,0	0,00	81,44	-	-	0,00	0,00	-
39	2.184	2.189	20,70	106,0	0,00	77,80	-	-	0,00	0,00	-
4	631	645	34,49	106,0	0,00	67,19	-	-	0,00	0,00	-
40	2.302	2.307	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
41	2.054	2.059	21,46	106,0	0,00	77,27	-	-	0,00	0,00	-
42	1.537	1.544	24,97	106,0	0,00	74,77	-	-	0,00	0,00	-
43	1.468	1.475	25,52	106,0	0,00	74,38	-	-	0,00	0,00	-
44	7.167	7.168	5,04	104,5	0,00	88,11	-	-	0,00	0,00	-
45	1.691	1.697	22,33	104,5	0,00	75,59	-	-	0,00	0,00	-
46	2.032	2.037	20,09	104,5	0,00	77,18	-	-	0,00	0,00	-
47	1.871	1.876	21,10	104,5	0,00	76,47	-	-	0,00	0,00	-
48	1.547	1.553	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
5	322	346	41,52	106,0	0,00	61,79	-	-	0,00	0,00	-
6	3.881	3.884	11,42	106,0	0,00	82,79	-	-	0,00	0,00	-
7	6.960	6.961	4,88	106,0	0,00	87,85	-	-	0,00	0,00	-
8	3.104	3.106	14,37	106,0	0,00	80,84	-	-	0,00	0,00	-
9	2.707	2.710	17,67	106,0	0,00	79,66	-	-	0,00	0,00	-
Sum			43,90								

- Data undefined due to calculation with octave data

Noise sensitive area: X Noise sensitive point: User defined (26)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.664	2.668	16,40	106,0	0,00	79,52	-	-	0,00	0,00	-
10	3.099	3.101	15,86	106,0	0,00	80,83	-	-	0,00	0,00	-
11	2.793	2.795	17,26	106,0	0,00	79,93	-	-	0,00	0,00	-
12	2.503	2.505	18,70	106,0	0,00	78,98	-	-	0,00	0,00	-
13	2.861	2.863	16,93	106,0	0,00	80,14	-	-	0,00	0,00	-
14	2.651	2.654	17,94	106,0	0,00	79,48	-	-	0,00	0,00	-
15	4.280	4.282	11,67	106,0	0,00	83,63	-	-	0,00	0,00	-
16	4.691	4.693	10,49	106,0	0,00	84,43	-	-	0,00	0,00	-
17	4.790	4.791	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
18	6.394	6.395	6,51	106,0	0,00	87,12	-	-	0,00	0,00	-
19	6.460	6.461	6,38	106,0	0,00	87,21	-	-	0,00	0,00	-
2	2.279	2.283	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
20	6.637	6.638	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
21	6.713	6.714	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
22	6.755	6.756	5,81	106,0	0,00	87,59	-	-	0,00	0,00	-
23	7.842	7.843	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
24	8.030	8.030	3,62	106,0	0,00	89,09	-	-	0,00	0,00	-
25	8.363	8.364	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-
26	2.689	2.690	16,68	104,5	0,00	79,59	-	-	0,00	0,00	-
27	2.417	2.418	17,94	104,5	0,00	78,67	-	-	0,00	0,00	-
28	2.216	2.218	19,03	104,5	0,00	77,92	-	-	0,00	0,00	-
29	2.049	2.050	20,01	104,5	0,00	77,24	-	-	0,00	0,00	-
3	1.136	1.143	27,47	106,0	0,00	72,16	-	-	0,00	0,00	-
30	1.847	1.848	21,29	104,5	0,00	76,34	-	-	0,00	0,00	-
31	1.008	1.011	28,41	104,5	0,00	71,10	-	-	0,00	0,00	-
32	687	691	32,67	104,5	0,00	67,79	-	-	0,00	0,00	-
33	772	777	31,38	104,5	0,00	68,81	-	-	0,00	0,00	-
34	1.014	1.018	28,34	104,5	0,00	71,15	-	-	0,00	0,00	-
35	3.124	3.125	14,90	104,5	0,00	80,90	-	-	0,00	0,00	-
36	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
37	4.587	4.587	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-
38	3.317	3.321	15,37	106,0	0,00	81,42	-	-	0,00	0,00	-
39	2.224	2.229	20,47	106,0	0,00	77,96	-	-	0,00	0,00	-
4	617	632	34,74	106,0	0,00	67,01	-	-	0,00	0,00	-
40	2.330	2.335	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
41	2.095	2.100	21,21	106,0	0,00	77,44	-	-	0,00	0,00	-
42	1.574	1.581	24,69	106,0	0,00	74,98	-	-	0,00	0,00	-
43	1.441	1.448	25,74	106,0	0,00	74,22	-	-	0,00	0,00	-
44	7.179	7.180	5,02	104,5	0,00	88,12	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
45	1.709	1.715	22,20	104,5	0,00	75,68	-	-	0,00	0,00	-
46	2.060	2.065	19,92	104,5	0,00	77,30	-	-	0,00	0,00	-
47	1.909	1.914	20,86	104,5	0,00	76,64	-	-	0,00	0,00	-
48	1.576	1.583	23,17	104,5	0,00	74,99	-	-	0,00	0,00	-
5	287	314	42,56	106,0	0,00	60,94	-	-	0,00	0,00	-
6	3.889	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
7	6.974	6.975	4,86	106,0	0,00	87,87	-	-	0,00	0,00	-
8	3.161	3.163	14,13	106,0	0,00	81,00	-	-	0,00	0,00	-
9	2.766	2.768	17,39	106,0	0,00	79,84	-	-	0,00	0,00	-
Sum			44,60								

- Data undefined due to calculation with octave data

Noise sensitive area: Y Noise sensitive point: User defined (27)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.827	2.830	15,61	106,0	0,00	80,04	-	-	0,00	0,00	-
10	2.964	2.966	16,46	106,0	0,00	80,44	-	-	0,00	0,00	-
11	2.643	2.645	17,99	106,0	0,00	79,45	-	-	0,00	0,00	-
12	2.369	2.372	19,42	106,0	0,00	78,50	-	-	0,00	0,00	-
13	2.725	2.727	17,58	106,0	0,00	79,71	-	-	0,00	0,00	-
14	2.498	2.500	18,73	106,0	0,00	78,96	-	-	0,00	0,00	-
15	4.077	4.079	12,30	106,0	0,00	83,21	-	-	0,00	0,00	-
16	4.487	4.489	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
17	4.583	4.584	10,79	106,0	0,00	84,22	-	-	0,00	0,00	-
18	6.212	6.213	6,88	106,0	0,00	86,87	-	-	0,00	0,00	-
19	6.270	6.271	6,76	106,0	0,00	86,95	-	-	0,00	0,00	-
2	2.445	2.448	17,54	106,0	0,00	78,78	-	-	0,00	0,00	-
20	6.443	6.444	6,41	106,0	0,00	87,18	-	-	0,00	0,00	-
21	6.535	6.536	6,23	106,0	0,00	87,31	-	-	0,00	0,00	-
22	6.570	6.571	6,16	106,0	0,00	87,35	-	-	0,00	0,00	-
23	7.641	7.642	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
24	7.836	7.837	3,93	106,0	0,00	88,88	-	-	0,00	0,00	-
25	8.180	8.181	3,39	106,0	0,00	89,26	-	-	0,00	0,00	-
26	2.835	2.836	16,05	104,5	0,00	80,05	-	-	0,00	0,00	-
27	2.549	2.550	17,31	104,5	0,00	79,13	-	-	0,00	0,00	-
28	2.333	2.334	18,39	104,5	0,00	78,36	-	-	0,00	0,00	-
29	2.195	2.196	19,15	104,5	0,00	77,83	-	-	0,00	0,00	-
3	1.271	1.277	26,05	106,0	0,00	73,12	-	-	0,00	0,00	-
30	2.019	2.021	20,19	104,5	0,00	77,11	-	-	0,00	0,00	-
31	1.187	1.189	26,54	104,5	0,00	72,50	-	-	0,00	0,00	-
32	894	897	29,76	104,5	0,00	70,06	-	-	0,00	0,00	-
33	771	775	31,41	104,5	0,00	68,78	-	-	0,00	0,00	-
34	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
35	2.947	2.948	15,59	104,5	0,00	80,39	-	-	0,00	0,00	-
36	3.977	3.978	12,01	104,5	0,00	82,99	-	-	0,00	0,00	-
37	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
38	3.167	3.171	15,97	106,0	0,00	81,02	-	-	0,00	0,00	-
39	2.267	2.271	20,23	106,0	0,00	78,13	-	-	0,00	0,00	-
4	503	520	37,00	106,0	0,00	65,32	-	-	0,00	0,00	-
40	2.123	2.128	21,05	106,0	0,00	77,56	-	-	0,00	0,00	-
41	1.888	1.893	22,50	106,0	0,00	76,54	-	-	0,00	0,00	-
42	1.366	1.373	26,36	106,0	0,00	73,76	-	-	0,00	0,00	-
43	1.646	1.653	24,15	106,0	0,00	75,36	-	-	0,00	0,00	-
44	6.991	6.992	5,33	104,5	0,00	87,89	-	-	0,00	0,00	-
45	1.834	1.840	21,34	104,5	0,00	76,30	-	-	0,00	0,00	-
46	2.152	2.156	19,38	104,5	0,00	77,67	-	-	0,00	0,00	-
47	1.963	1.968	20,52	104,5	0,00	76,88	-	-	0,00	0,00	-
48	1.665	1.671	22,51	104,5	0,00	75,46	-	-	0,00	0,00	-
5	495	511	37,19	106,0	0,00	65,17	-	-	0,00	0,00	-
6	3.709	3.711	12,02	106,0	0,00	82,39	-	-	0,00	0,00	-
7	6.783	6.784	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
8	3.002	3.005	14,81	106,0	0,00	80,56	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniĢ vĒjo elektriniĢ (Ģilutēs raj. sav. UsēnĢ ir JuknaiēiĢ sen.: KavoliĢ, StremeniĢ, KūgeliĢ, OkslindpiĢ, SkieriĢ bei MenklaukiĢ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
9	2.654	2.656	17,93	106,0	0,00	79,49	-	-	0,00	0,00	-
Sum			42,33								

- Data undefined due to calculation with octave data

Noise sensitive area: Z Noise sensitive point: User defined (28)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.856	2.859	15,47	106,0	0,00	80,12	-	-	0,00	0,00	-
10	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
11	2.695	2.697	17,73	106,0	0,00	79,62	-	-	0,00	0,00	-
12	2.328	2.331	19,65	106,0	0,00	78,35	-	-	0,00	0,00	-
13	2.684	2.687	17,78	106,0	0,00	79,59	-	-	0,00	0,00	-
14	2.463	2.466	18,91	106,0	0,00	78,84	-	-	0,00	0,00	-
15	4.074	4.075	12,31	106,0	0,00	83,20	-	-	0,00	0,00	-
16	4.485	4.486	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
17	4.585	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
18	6.191	6.192	6,92	106,0	0,00	86,84	-	-	0,00	0,00	-
19	6.254	6.255	6,79	106,0	0,00	86,92	-	-	0,00	0,00	-
2	2.473	2.476	17,39	106,0	0,00	78,87	-	-	0,00	0,00	-
20	6.430	6.431	6,44	106,0	0,00	87,17	-	-	0,00	0,00	-
21	6.512	6.513	6,27	106,0	0,00	87,28	-	-	0,00	0,00	-
22	6.551	6.552	6,20	106,0	0,00	87,33	-	-	0,00	0,00	-
23	7.635	7.636	4,26	106,0	0,00	88,66	-	-	0,00	0,00	-
24	7.823	7.824	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
25	8.160	8.161	3,42	106,0	0,00	89,23	-	-	0,00	0,00	-
26	2.870	2.871	15,91	104,5	0,00	80,16	-	-	0,00	0,00	-
27	2.588	2.589	17,13	104,5	0,00	79,26	-	-	0,00	0,00	-
28	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
29	2.230	2.231	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
3	1.308	1.314	25,68	106,0	0,00	73,37	-	-	0,00	0,00	-
30	2.044	2.045	20,04	104,5	0,00	77,22	-	-	0,00	0,00	-
31	1.208	1.210	26,34	104,5	0,00	72,66	-	-	0,00	0,00	-
32	892	895	29,79	104,5	0,00	70,04	-	-	0,00	0,00	-
33	708	713	32,33	104,5	0,00	68,06	-	-	0,00	0,00	-
34	833	837	30,54	104,5	0,00	69,46	-	-	0,00	0,00	-
35	2.991	2.992	15,42	104,5	0,00	80,52	-	-	0,00	0,00	-
36	3.980	3.981	12,00	104,5	0,00	83,00	-	-	0,00	0,00	-
37	4.379	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
38	3.132	3.136	16,11	106,0	0,00	80,93	-	-	0,00	0,00	-
39	2.323	2.328	19,92	106,0	0,00	78,34	-	-	0,00	0,00	-
4	453	471	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
40	2.126	2.131	21,03	106,0	0,00	77,57	-	-	0,00	0,00	-
41	1.908	1.913	22,37	106,0	0,00	76,64	-	-	0,00	0,00	-
42	1.382	1.389	26,23	106,0	0,00	73,86	-	-	0,00	0,00	-
43	1.647	1.653	24,15	106,0	0,00	75,37	-	-	0,00	0,00	-
44	6.974	6.975	5,36	104,5	0,00	87,87	-	-	0,00	0,00	-
45	1.875	1.881	21,07	104,5	0,00	76,49	-	-	0,00	0,00	-
46	2.201	2.205	19,10	104,5	0,00	77,87	-	-	0,00	0,00	-
47	2.018	2.023	20,18	104,5	0,00	77,12	-	-	0,00	0,00	-
48	1.714	1.720	22,16	104,5	0,00	75,71	-	-	0,00	0,00	-
5	492	508	37,27	106,0	0,00	65,12	-	-	0,00	0,00	-
6	3.687	3.689	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
7	6.768	6.769	5,18	106,0	0,00	87,61	-	-	0,00	0,00	-
8	3.051	3.054	14,60	106,0	0,00	80,70	-	-	0,00	0,00	-
9	2.713	2.715	17,64	106,0	0,00	79,67	-	-	0,00	0,00	-
Sum			42,79								

- Data undefined due to calculation with octave data

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: AA Noise sensitive point: User defined (29)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.888	2.891	15,33	106,0	0,00	80,22	-	-	0,00	0,00	-
10	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
11	2.583	2.585	18,29	106,0	0,00	79,25	-	-	0,00	0,00	-
12	2.326	2.329	19,66	106,0	0,00	78,34	-	-	0,00	0,00	-
13	2.679	2.682	17,81	106,0	0,00	79,57	-	-	0,00	0,00	-
14	2.445	2.447	19,01	106,0	0,00	78,77	-	-	0,00	0,00	-
15	4.000	4.001	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-
16	4.410	4.411	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
17	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
18	6.145	6.146	7,02	106,0	0,00	86,77	-	-	0,00	0,00	-
19	6.199	6.201	6,90	106,0	0,00	86,85	-	-	0,00	0,00	-
2	2.507	2.511	17,20	106,0	0,00	79,00	-	-	0,00	0,00	-
20	6.370	6.371	6,56	106,0	0,00	87,08	-	-	0,00	0,00	-
21	6.470	6.471	6,36	106,0	0,00	87,22	-	-	0,00	0,00	-
22	6.502	6.503	6,29	106,0	0,00	87,26	-	-	0,00	0,00	-
23	7.565	7.566	4,37	106,0	0,00	88,58	-	-	0,00	0,00	-
24	7.764	7.764	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
25	8.113	8.114	3,49	106,0	0,00	89,18	-	-	0,00	0,00	-
26	2.889	2.890	15,83	104,5	0,00	80,22	-	-	0,00	0,00	-
27	2.598	2.599	17,08	104,5	0,00	79,30	-	-	0,00	0,00	-
28	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
29	2.250	2.252	18,84	104,5	0,00	78,05	-	-	0,00	0,00	-
3	1.324	1.330	25,53	106,0	0,00	73,48	-	-	0,00	0,00	-
30	2.085	2.086	19,79	104,5	0,00	77,39	-	-	0,00	0,00	-
31	1.255	1.258	25,89	104,5	0,00	72,99	-	-	0,00	0,00	-
32	974	977	28,80	104,5	0,00	70,80	-	-	0,00	0,00	-
33	791	795	31,12	104,5	0,00	69,01	-	-	0,00	0,00	-
34	833	837	30,55	104,5	0,00	69,45	-	-	0,00	0,00	-
35	2.877	2.878	15,88	104,5	0,00	80,18	-	-	0,00	0,00	-
36	3.898	3.899	12,25	104,5	0,00	82,82	-	-	0,00	0,00	-
37	4.315	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
38	3.116	3.120	16,18	106,0	0,00	80,88	-	-	0,00	0,00	-
39	2.282	2.287	20,15	106,0	0,00	78,18	-	-	0,00	0,00	-
4	483	500	37,45	106,0	0,00	64,98	-	-	0,00	0,00	-
40	2.044	2.049	21,52	106,0	0,00	77,23	-	-	0,00	0,00	-
41	1.807	1.812	23,03	106,0	0,00	76,17	-	-	0,00	0,00	-
42	1.284	1.293	27,07	106,0	0,00	73,23	-	-	0,00	0,00	-
43	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
44	6.921	6.922	5,45	104,5	0,00	87,80	-	-	0,00	0,00	-
45	1.882	1.888	21,03	104,5	0,00	76,52	-	-	0,00	0,00	-
46	2.186	2.191	19,18	104,5	0,00	77,81	-	-	0,00	0,00	-
47	1.983	1.988	20,39	104,5	0,00	76,97	-	-	0,00	0,00	-
48	1.700	1.706	22,27	104,5	0,00	75,64	-	-	0,00	0,00	-
5	576	590	35,55	106,0	0,00	66,41	-	-	0,00	0,00	-
6	3.643	3.645	12,25	106,0	0,00	82,23	-	-	0,00	0,00	-
7	6.712	6.713	5,27	106,0	0,00	87,54	-	-	0,00	0,00	-
8	2.938	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
9	2.608	2.611	18,16	106,0	0,00	79,33	-	-	0,00	0,00	-
Sum			41,99								

- Data undefined due to calculation with octave data

Noise sensitive area: AB Noise sensitive point: User defined (30)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.898	2.901	15,28	106,0	0,00	80,25	-	-	0,00	0,00	-
10	2.929	2.930	16,62	106,0	0,00	80,34	-	-	0,00	0,00	-
11	2.601	2.603	18,20	106,0	0,00	79,31	-	-	0,00	0,00	-
12	2.311	2.314	19,74	106,0	0,00	78,29	-	-	0,00	0,00	-
13	2.665	2.668	17,88	106,0	0,00	79,52	-	-	0,00	0,00	-
14	2.432	2.435	19,08	106,0	0,00	78,73	-	-	0,00	0,00	-
15	3.998	4.000	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
17	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
18	6.138	6.139	7,03	106,0	0,00	86,76	-	-	0,00	0,00	-
19	6.194	6.195	6,91	106,0	0,00	86,84	-	-	0,00	0,00	-
2	2.516	2.520	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
20	6.366	6.367	6,57	106,0	0,00	87,08	-	-	0,00	0,00	-
21	6.462	6.463	6,37	106,0	0,00	87,21	-	-	0,00	0,00	-
22	6.495	6.496	6,31	106,0	0,00	87,25	-	-	0,00	0,00	-
23	7.563	7.564	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
24	7.759	7.760	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
25	8.106	8.106	3,50	106,0	0,00	89,18	-	-	0,00	0,00	-
26	2.901	2.902	15,78	104,5	0,00	80,25	-	-	0,00	0,00	-
27	2.611	2.612	17,02	104,5	0,00	79,34	-	-	0,00	0,00	-
28	2.391	2.392	18,08	104,5	0,00	78,58	-	-	0,00	0,00	-
29	2.262	2.263	18,77	104,5	0,00	78,09	-	-	0,00	0,00	-
3	1.336	1.342	25,42	106,0	0,00	73,55	-	-	0,00	0,00	-
30	2.092	2.094	19,75	104,5	0,00	77,42	-	-	0,00	0,00	-
31	1.262	1.264	25,83	104,5	0,00	73,04	-	-	0,00	0,00	-
32	973	976	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
33	770	774	31,42	104,5	0,00	68,77	-	-	0,00	0,00	-
34	817	821	30,76	104,5	0,00	69,29	-	-	0,00	0,00	-
35	2.891	2.892	15,82	104,5	0,00	80,23	-	-	0,00	0,00	-
36	3.899	3.899	12,24	104,5	0,00	82,82	-	-	0,00	0,00	-
37	4.311	4.312	11,04	104,5	0,00	83,69	-	-	0,00	0,00	-
38	3.103	3.107	16,23	106,0	0,00	80,85	-	-	0,00	0,00	-
39	2.301	2.306	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
4	463	482	37,87	106,0	0,00	64,65	-	-	0,00	0,00	-
40	2.044	2.050	21,51	106,0	0,00	77,23	-	-	0,00	0,00	-
41	1.813	1.819	22,99	106,0	0,00	76,20	-	-	0,00	0,00	-
42	1.289	1.298	27,03	106,0	0,00	73,26	-	-	0,00	0,00	-
43	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
44	6.915	6.916	5,46	104,5	0,00	87,80	-	-	0,00	0,00	-
45	1.896	1.901	20,94	104,5	0,00	76,58	-	-	0,00	0,00	-
46	2.202	2.207	19,09	104,5	0,00	77,88	-	-	0,00	0,00	-
47	2.002	2.006	20,28	104,5	0,00	77,05	-	-	0,00	0,00	-
48	1.716	1.722	22,15	104,5	0,00	75,72	-	-	0,00	0,00	-
5	574	587	35,59	106,0	0,00	66,38	-	-	0,00	0,00	-
6	3.635	3.637	12,28	106,0	0,00	82,22	-	-	0,00	0,00	-
7	6.707	6.708	5,28	106,0	0,00	87,53	-	-	0,00	0,00	-
8	2.955	2.958	15,02	106,0	0,00	80,42	-	-	0,00	0,00	-
9	2.629	2.631	18,06	106,0	0,00	79,40	-	-	0,00	0,00	-
Sum			42,18								

- Data undefined due to calculation with octave data

Noise sensitive area: AC Noise sensitive point: User defined (31)

Wind speed: 10,0 m/s

WTG No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.043	3.045	14,63	106,0	0,00	80,67	-	-	0,00	0,00	-
10	2.937	2.939	16,58	106,0	0,00	80,36	-	-	0,00	0,00	-
11	2.597	2.599	18,22	106,0	0,00	79,30	-	-	0,00	0,00	-
12	2.171	2.174	20,55	106,0	0,00	77,74	-	-	0,00	0,00	-
13	2.524	2.527	18,59	106,0	0,00	79,05	-	-	0,00	0,00	-
14	2.288	2.291	19,87	106,0	0,00	78,20	-	-	0,00	0,00	-
15	3.868	3.870	12,98	106,0	0,00	82,75	-	-	0,00	0,00	-
16	4.279	4.281	11,68	106,0	0,00	83,63	-	-	0,00	0,00	-
17	4.380	4.382	11,38	106,0	0,00	83,83	-	-	0,00	0,00	-
18	5.995	5.996	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
19	6.053	6.054	7,21	106,0	0,00	86,64	-	-	0,00	0,00	-
2	2.661	2.664	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
20	6.227	6.228	6,85	106,0	0,00	86,89	-	-	0,00	0,00	-
21	6.318	6.319	6,66	106,0	0,00	87,01	-	-	0,00	0,00	-
22	6.353	6.354	6,59	106,0	0,00	87,06	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	7.430	7.431	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
24	7.620	7.621	4,28	106,0	0,00	88,64	-	-	0,00	0,00	-
25	7.963	7.964	3,73	106,0	0,00	89,02	-	-	0,00	0,00	-
26	3.046	3.047	15,20	104,5	0,00	80,68	-	-	0,00	0,00	-
27	2.755	2.756	16,39	104,5	0,00	79,80	-	-	0,00	0,00	-
28	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
29	2.407	2.408	17,99	104,5	0,00	78,63	-	-	0,00	0,00	-
3	1.480	1.486	24,10	106,0	0,00	74,44	-	-	0,00	0,00	-
30	2.236	2.238	18,92	104,5	0,00	78,00	-	-	0,00	0,00	-
31	1.404	1.406	24,58	104,5	0,00	73,96	-	-	0,00	0,00	-
32	1.098	1.100	27,44	104,5	0,00	71,83	-	-	0,00	0,00	-
33	718	722	32,19	104,5	0,00	68,17	-	-	0,00	0,00	-
34	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
35	2.855	2.856	15,97	104,5	0,00	80,11	-	-	0,00	0,00	-
36	3.775	3.776	12,63	104,5	0,00	82,54	-	-	0,00	0,00	-
37	4.175	4.176	11,42	104,5	0,00	83,41	-	-	0,00	0,00	-
38	2.959	2.963	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
39	2.422	2.426	19,40	106,0	0,00	78,70	-	-	0,00	0,00	-
4	355	378	40,57	106,0	0,00	62,55	-	-	0,00	0,00	-
40	1.921	1.927	22,28	106,0	0,00	76,70	-	-	0,00	0,00	-
41	1.720	1.726	23,63	106,0	0,00	75,74	-	-	0,00	0,00	-
42	1.189	1.198	27,96	106,0	0,00	72,57	-	-	0,00	0,00	-
43	1.852	1.858	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
44	6.774	6.774	5,70	104,5	0,00	87,62	-	-	0,00	0,00	-
45	2.039	2.044	20,05	104,5	0,00	77,21	-	-	0,00	0,00	-
46	2.339	2.343	18,34	104,5	0,00	78,39	-	-	0,00	0,00	-
47	2.127	2.132	19,52	104,5	0,00	77,58	-	-	0,00	0,00	-
48	1.853	1.858	21,22	104,5	0,00	76,38	-	-	0,00	0,00	-
5	697	709	33,37	106,0	0,00	68,01	-	-	0,00	0,00	-
6	3.491	3.494	12,81	106,0	0,00	81,87	-	-	0,00	0,00	-
7	6.566	6.568	5,51	106,0	0,00	87,35	-	-	0,00	0,00	-
8	2.939	2.942	15,09	106,0	0,00	80,37	-	-	0,00	0,00	-
9	2.658	2.661	17,91	106,0	0,00	79,50	-	-	0,00	0,00	-
Sum			43,22								

- Data undefined due to calculation with octave data

Noise sensitive area: AD Noise sensitive point: User defined (32)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.039	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
10	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
11	2.613	2.615	18,14	106,0	0,00	79,35	-	-	0,00	0,00	-
12	2.170	2.173	20,56	106,0	0,00	77,74	-	-	0,00	0,00	-
13	2.523	2.526	18,60	106,0	0,00	79,05	-	-	0,00	0,00	-
14	2.290	2.293	19,86	106,0	0,00	78,21	-	-	0,00	0,00	-
15	3.879	3.880	12,94	106,0	0,00	82,78	-	-	0,00	0,00	-
16	4.290	4.291	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
17	4.392	4.393	11,34	106,0	0,00	83,86	-	-	0,00	0,00	-
18	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
19	6.061	6.062	7,19	106,0	0,00	86,65	-	-	0,00	0,00	-
2	2.657	2.660	16,44	106,0	0,00	79,50	-	-	0,00	0,00	-
20	6.235	6.236	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
21	6.324	6.325	6,65	106,0	0,00	87,02	-	-	0,00	0,00	-
22	6.359	6.360	6,58	106,0	0,00	87,07	-	-	0,00	0,00	-
23	7.440	7.440	4,58	106,0	0,00	88,43	-	-	0,00	0,00	-
24	7.628	7.629	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
25	7.969	7.970	3,72	106,0	0,00	89,03	-	-	0,00	0,00	-
26	3.043	3.044	15,21	104,5	0,00	80,67	-	-	0,00	0,00	-
27	2.754	2.755	16,40	104,5	0,00	79,80	-	-	0,00	0,00	-
28	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
29	2.404	2.405	18,01	104,5	0,00	78,62	-	-	0,00	0,00	-
3	1.478	1.483	24,12	106,0	0,00	74,43	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	2.231	2.232	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
31	1.398	1.400	24,63	104,5	0,00	73,92	-	-	0,00	0,00	-
32	1.087	1.089	27,56	104,5	0,00	71,74	-	-	0,00	0,00	-
33	703	707	32,42	104,5	0,00	67,99	-	-	0,00	0,00	-
34	677	682	32,81	104,5	0,00	67,68	-	-	0,00	0,00	-
35	2.872	2.873	15,90	104,5	0,00	80,17	-	-	0,00	0,00	-
36	3.787	3.788	12,59	104,5	0,00	82,57	-	-	0,00	0,00	-
37	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
38	2.961	2.965	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
39	2.428	2.432	19,37	106,0	0,00	78,72	-	-	0,00	0,00	-
4	345	369	40,84	106,0	0,00	62,33	-	-	0,00	0,00	-
40	1.933	1.939	22,20	106,0	0,00	76,75	-	-	0,00	0,00	-
41	1.735	1.741	23,52	106,0	0,00	75,82	-	-	0,00	0,00	-
42	1.204	1.212	27,82	106,0	0,00	72,67	-	-	0,00	0,00	-
43	1.842	1.847	22,80	106,0	0,00	76,33	-	-	0,00	0,00	-
44	6.781	6.782	5,69	104,5	0,00	87,63	-	-	0,00	0,00	-
45	2.038	2.043	20,05	104,5	0,00	77,20	-	-	0,00	0,00	-
46	2.341	2.345	18,33	104,5	0,00	78,40	-	-	0,00	0,00	-
47	2.132	2.137	19,49	104,5	0,00	77,60	-	-	0,00	0,00	-
48	1.855	1.860	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	687	698	33,55	106,0	0,00	67,88	-	-	0,00	0,00	-
6	3.497	3.500	12,79	106,0	0,00	81,88	-	-	0,00	0,00	-
7	6.574	6.575	5,49	106,0	0,00	87,36	-	-	0,00	0,00	-
8	2.956	2.959	15,02	106,0	0,00	80,42	-	-	0,00	0,00	-
9	2.674	2.676	17,84	106,0	0,00	79,55	-	-	0,00	0,00	-
Sum			43,40								

- Data undefined due to calculation with octave data

Noise sensitive area: AE Noise sensitive point: User defined (33)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.512	3.514	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
10	2.874	2.876	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
11	2.497	2.499	18,74	106,0	0,00	78,96	-	-	0,00	0,00	-
12	1.781	1.785	23,05	106,0	0,00	76,03	-	-	0,00	0,00	-
13	2.122	2.125	20,84	106,0	0,00	77,55	-	-	0,00	0,00	-
14	1.854	1.858	22,55	106,0	0,00	76,38	-	-	0,00	0,00	-
15	3.392	3.394	14,65	106,0	0,00	81,61	-	-	0,00	0,00	-
16	3.805	3.806	13,19	106,0	0,00	82,61	-	-	0,00	0,00	-
17	3.915	3.916	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
18	5.516	5.518	8,40	106,0	0,00	85,83	-	-	0,00	0,00	-
19	5.571	5.572	8,28	106,0	0,00	85,92	-	-	0,00	0,00	-
2	3.134	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
20	5.744	5.745	7,88	106,0	0,00	86,19	-	-	0,00	0,00	-
21	5.843	5.844	7,66	106,0	0,00	86,33	-	-	0,00	0,00	-
22	5.872	5.873	7,60	106,0	0,00	86,38	-	-	0,00	0,00	-
23	6.950	6.951	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
24	7.137	7.138	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
25	7.483	7.484	4,51	106,0	0,00	88,48	-	-	0,00	0,00	-
26	3.502	3.503	13,53	104,5	0,00	81,89	-	-	0,00	0,00	-
27	3.198	3.199	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
28	2.961	2.962	15,54	104,5	0,00	80,43	-	-	0,00	0,00	-
29	2.865	2.866	15,93	104,5	0,00	80,15	-	-	0,00	0,00	-
3	1.938	1.942	20,60	106,0	0,00	76,77	-	-	0,00	0,00	-
30	2.713	2.714	16,57	104,5	0,00	79,67	-	-	0,00	0,00	-
31	1.885	1.886	21,04	104,5	0,00	76,51	-	-	0,00	0,00	-
32	1.574	1.576	23,22	104,5	0,00	74,95	-	-	0,00	0,00	-
33	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
34	420	428	37,79	104,5	0,00	63,63	-	-	0,00	0,00	-
35	2.643	2.644	16,88	104,5	0,00	79,45	-	-	0,00	0,00	-
36	3.312	3.313	14,20	104,5	0,00	81,40	-	-	0,00	0,00	-
37	3.693	3.693	12,90	104,5	0,00	82,35	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	2.528	2.532	18,86	106,0	0,00	79,07	-	-	0,00	0,00	-
39	2.759	2.763	17,75	106,0	0,00	79,83	-	-	0,00	0,00	-
4	468	485	37,80	106,0	0,00	64,71	-	-	0,00	0,00	-
40	1.462	1.470	25,56	106,0	0,00	74,34	-	-	0,00	0,00	-
41	1.350	1.357	26,50	106,0	0,00	73,65	-	-	0,00	0,00	-
42	817	829	32,15	106,0	0,00	69,38	-	-	0,00	0,00	-
43	2.329	2.334	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
44	6.292	6.292	6,56	104,5	0,00	86,98	-	-	0,00	0,00	-
45	2.482	2.486	17,59	104,5	0,00	78,91	-	-	0,00	0,00	-
46	2.743	2.746	16,32	104,5	0,00	79,77	-	-	0,00	0,00	-
47	2.488	2.492	17,56	104,5	0,00	78,93	-	-	0,00	0,00	-
48	2.263	2.267	18,75	104,5	0,00	78,11	-	-	0,00	0,00	-
5	1.175	1.182	27,04	106,0	0,00	72,45	-	-	0,00	0,00	-
6	3.015	3.017	14,76	106,0	0,00	80,59	-	-	0,00	0,00	-
7	6.083	6.085	6,33	106,0	0,00	86,69	-	-	0,00	0,00	-
8	2.795	2.798	15,76	106,0	0,00	79,94	-	-	0,00	0,00	-
9	2.672	2.674	17,84	106,0	0,00	79,54	-	-	0,00	0,00	-
Sum			42,57								

- Data undefined due to calculation with octave data

Noise sensitive area: AF Noise sensitive point: User defined (34)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.500	3.502	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
10	2.941	2.943	16,57	106,0	0,00	80,37	-	-	0,00	0,00	-
11	2.566	2.568	18,38	106,0	0,00	79,19	-	-	0,00	0,00	-
12	1.761	1.765	23,19	106,0	0,00	75,93	-	-	0,00	0,00	-
13	2.106	2.109	20,94	106,0	0,00	77,48	-	-	0,00	0,00	-
14	1.848	1.852	22,59	106,0	0,00	76,35	-	-	0,00	0,00	-
15	3.433	3.435	14,50	106,0	0,00	81,72	-	-	0,00	0,00	-
16	3.846	3.848	13,05	106,0	0,00	82,70	-	-	0,00	0,00	-
17	3.961	3.963	12,67	106,0	0,00	82,96	-	-	0,00	0,00	-
18	5.535	5.536	8,36	106,0	0,00	85,86	-	-	0,00	0,00	-
19	5.596	5.597	8,22	106,0	0,00	85,96	-	-	0,00	0,00	-
2	3.119	3.122	14,31	106,0	0,00	80,89	-	-	0,00	0,00	-
20	5.773	5.774	7,82	106,0	0,00	86,23	-	-	0,00	0,00	-
21	5.859	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
22	5.893	5.894	7,55	106,0	0,00	86,41	-	-	0,00	0,00	-
23	6.986	6.987	5,38	106,0	0,00	87,89	-	-	0,00	0,00	-
24	7.166	7.166	5,06	106,0	0,00	88,11	-	-	0,00	0,00	-
25	7.503	7.504	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
26	3.496	3.497	13,55	104,5	0,00	81,87	-	-	0,00	0,00	-
27	3.197	3.198	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
28	2.964	2.965	15,52	104,5	0,00	80,44	-	-	0,00	0,00	-
29	2.858	2.859	15,96	104,5	0,00	80,12	-	-	0,00	0,00	-
3	1.931	1.934	20,65	106,0	0,00	76,73	-	-	0,00	0,00	-
30	2.696	2.697	16,65	104,5	0,00	79,62	-	-	0,00	0,00	-
31	1.864	1.865	21,18	104,5	0,00	76,41	-	-	0,00	0,00	-
32	1.538	1.540	23,50	104,5	0,00	74,75	-	-	0,00	0,00	-
33	805	808	30,94	104,5	0,00	69,15	-	-	0,00	0,00	-
34	361	370	39,29	104,5	0,00	62,35	-	-	0,00	0,00	-
35	2.715	2.716	16,57	104,5	0,00	79,68	-	-	0,00	0,00	-
36	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
37	3.726	3.727	12,79	104,5	0,00	82,43	-	-	0,00	0,00	-
38	2.522	2.526	18,89	106,0	0,00	79,05	-	-	0,00	0,00	-
39	2.783	2.786	17,64	106,0	0,00	79,90	-	-	0,00	0,00	-
4	403	423	39,33	106,0	0,00	63,52	-	-	0,00	0,00	-
40	1.513	1.520	25,16	106,0	0,00	74,64	-	-	0,00	0,00	-
41	1.417	1.424	25,93	106,0	0,00	74,07	-	-	0,00	0,00	-
42	885	897	31,27	106,0	0,00	70,06	-	-	0,00	0,00	-
43	2.293	2.297	20,09	106,0	0,00	78,22	-	-	0,00	0,00	-
44	6.316	6.316	6,51	104,5	0,00	87,01	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
45	2.481	2.484	17,60	104,5	0,00	78,90	-	-	0,00	0,00	-
46	2.752	2.756	16,27	104,5	0,00	79,80	-	-	0,00	0,00	-
47	2.507	2.511	17,46	104,5	0,00	79,00	-	-	0,00	0,00	-
48	2.271	2.275	18,71	104,5	0,00	78,14	-	-	0,00	0,00	-
5	1.141	1.148	27,41	106,0	0,00	72,20	-	-	0,00	0,00	-
6	3.031	3.034	14,68	106,0	0,00	80,64	-	-	0,00	0,00	-
7	6.109	6.111	6,28	106,0	0,00	86,72	-	-	0,00	0,00	-
8	2.866	2.868	15,43	106,0	0,00	80,15	-	-	0,00	0,00	-
9	2.734	2.736	17,54	106,0	0,00	79,74	-	-	0,00	0,00	-
Sum			43,63								

- Data undefined due to calculation with octave data

Noise sensitive area: AG Noise sensitive point: User defined (35)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.076	6.077	6,34	106,0	0,00	86,67	-	-	0,00	0,00	-
10	3.883	3.884	12,93	106,0	0,00	82,79	-	-	0,00	0,00	-
11	3.491	3.493	14,29	106,0	0,00	81,86	-	-	0,00	0,00	-
12	1.591	1.594	24,45	106,0	0,00	75,05	-	-	0,00	0,00	-
13	1.443	1.447	25,64	106,0	0,00	74,21	-	-	0,00	0,00	-
14	1.224	1.229	27,59	106,0	0,00	72,79	-	-	0,00	0,00	-
15	1.089	1.093	28,96	106,0	0,00	71,77	-	-	0,00	0,00	-
16	1.470	1.474	25,41	106,0	0,00	74,37	-	-	0,00	0,00	-
17	1.729	1.731	23,43	106,0	0,00	75,77	-	-	0,00	0,00	-
18	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
19	2.987	2.989	16,36	106,0	0,00	80,51	-	-	0,00	0,00	-
2	5.704	5.705	7,03	106,0	0,00	86,13	-	-	0,00	0,00	-
20	3.170	3.171	15,56	106,0	0,00	81,02	-	-	0,00	0,00	-
21	3.301	3.303	15,01	106,0	0,00	81,38	-	-	0,00	0,00	-
22	3.296	3.298	15,03	106,0	0,00	81,36	-	-	0,00	0,00	-
23	4.432	4.433	11,23	106,0	0,00	83,93	-	-	0,00	0,00	-
24	4.560	4.561	10,86	106,0	0,00	84,18	-	-	0,00	0,00	-
25	4.910	4.911	9,90	106,0	0,00	84,82	-	-	0,00	0,00	-
26	6.037	6.037	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
27	5.710	5.710	7,70	104,5	0,00	86,13	-	-	0,00	0,00	-
28	5.446	5.446	8,25	104,5	0,00	85,72	-	-	0,00	0,00	-
29	5.411	5.412	8,33	104,5	0,00	85,67	-	-	0,00	0,00	-
3	4.494	4.495	9,70	106,0	0,00	84,06	-	-	0,00	0,00	-
30	5.292	5.292	8,59	104,5	0,00	85,47	-	-	0,00	0,00	-
31	4.468	4.469	10,61	104,5	0,00	84,00	-	-	0,00	0,00	-
32	4.139	4.139	11,53	104,5	0,00	83,34	-	-	0,00	0,00	-
33	3.131	3.132	14,87	104,5	0,00	80,92	-	-	0,00	0,00	-
34	2.540	2.541	17,35	104,5	0,00	79,10	-	-	0,00	0,00	-
35	3.073	3.074	15,09	104,5	0,00	80,75	-	-	0,00	0,00	-
36	1.285	1.287	25,62	104,5	0,00	73,19	-	-	0,00	0,00	-
37	1.174	1.176	26,67	104,5	0,00	72,41	-	-	0,00	0,00	-
38	1.144	1.153	28,40	106,0	0,00	72,24	-	-	0,00	0,00	-
39	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
4	2.922	2.925	15,17	106,0	0,00	80,32	-	-	0,00	0,00	-
40	1.389	1.397	26,16	106,0	0,00	73,90	-	-	0,00	0,00	-
41	1.994	1.999	21,83	106,0	0,00	77,01	-	-	0,00	0,00	-
42	2.189	2.194	20,67	106,0	0,00	77,82	-	-	0,00	0,00	-
43	4.888	4.890	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
44	3.709	3.709	12,84	104,5	0,00	82,39	-	-	0,00	0,00	-
45	5.005	5.007	8,69	104,5	0,00	84,99	-	-	0,00	0,00	-
46	5.178	5.180	8,29	104,5	0,00	85,29	-	-	0,00	0,00	-
47	4.843	4.844	9,07	104,5	0,00	84,70	-	-	0,00	0,00	-
48	4.730	4.732	9,35	104,5	0,00	84,50	-	-	0,00	0,00	-
5	3.747	3.749	11,88	106,0	0,00	82,48	-	-	0,00	0,00	-
6	549	563	36,08	106,0	0,00	66,02	-	-	0,00	0,00	-
7	3.500	3.503	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
8	3.485	3.487	12,84	106,0	0,00	81,85	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
9	4.030	4.032	12,45	106,0	0,00	83,11	-	-	0,00	0,00	-
Sum			39,76								

- Data undefined due to calculation with octave data

Noise sensitive area: AH Noise sensitive point: User defined (36)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.118	6.119	6,27	106,0	0,00	86,73	-	-	0,00	0,00	-
10	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
11	3.530	3.532	14,15	106,0	0,00	81,96	-	-	0,00	0,00	-
12	1.611	1.614	24,30	106,0	0,00	75,16	-	-	0,00	0,00	-
13	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
14	1.245	1.250	27,39	106,0	0,00	72,94	-	-	0,00	0,00	-
15	1.075	1.079	29,11	106,0	0,00	71,66	-	-	0,00	0,00	-
16	1.451	1.454	25,57	106,0	0,00	74,25	-	-	0,00	0,00	-
17	1.715	1.718	23,53	106,0	0,00	75,70	-	-	0,00	0,00	-
18	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
19	2.947	2.949	16,54	106,0	0,00	80,39	-	-	0,00	0,00	-
2	5.745	5.747	6,95	106,0	0,00	86,19	-	-	0,00	0,00	-
20	3.131	3.133	15,72	106,0	0,00	80,92	-	-	0,00	0,00	-
21	3.258	3.260	15,19	106,0	0,00	81,27	-	-	0,00	0,00	-
22	3.254	3.256	15,20	106,0	0,00	81,25	-	-	0,00	0,00	-
23	4.397	4.398	11,33	106,0	0,00	83,87	-	-	0,00	0,00	-
24	4.521	4.523	10,97	106,0	0,00	84,11	-	-	0,00	0,00	-
25	4.868	4.869	10,01	106,0	0,00	84,75	-	-	0,00	0,00	-
26	6.079	6.080	6,96	104,5	0,00	86,68	-	-	0,00	0,00	-
27	5.752	5.753	7,61	104,5	0,00	86,20	-	-	0,00	0,00	-
28	5.488	5.489	8,16	104,5	0,00	85,79	-	-	0,00	0,00	-
29	5.453	5.454	8,24	104,5	0,00	85,73	-	-	0,00	0,00	-
3	4.536	4.537	9,59	106,0	0,00	84,14	-	-	0,00	0,00	-
30	5.333	5.334	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
31	4.509	4.509	10,50	104,5	0,00	84,08	-	-	0,00	0,00	-
32	4.178	4.179	11,41	104,5	0,00	83,42	-	-	0,00	0,00	-
33	3.167	3.168	14,74	104,5	0,00	81,02	-	-	0,00	0,00	-
34	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
35	3.109	3.110	14,96	104,5	0,00	80,85	-	-	0,00	0,00	-
36	1.284	1.286	25,63	104,5	0,00	73,18	-	-	0,00	0,00	-
37	1.142	1.145	26,98	104,5	0,00	72,18	-	-	0,00	0,00	-
38	1.141	1.151	28,43	106,0	0,00	72,22	-	-	0,00	0,00	-
39	5.084	5.086	9,97	106,0	0,00	85,13	-	-	0,00	0,00	-
4	2.961	2.964	15,00	106,0	0,00	80,44	-	-	0,00	0,00	-
40	1.432	1.439	25,81	106,0	0,00	74,16	-	-	0,00	0,00	-
41	2.036	2.041	21,57	106,0	0,00	77,20	-	-	0,00	0,00	-
42	2.232	2.237	20,43	106,0	0,00	77,99	-	-	0,00	0,00	-
43	4.927	4.929	10,33	106,0	0,00	84,86	-	-	0,00	0,00	-
44	3.668	3.669	12,98	104,5	0,00	82,29	-	-	0,00	0,00	-
45	5.048	5.049	8,59	104,5	0,00	85,06	-	-	0,00	0,00	-
46	5.221	5.223	8,20	104,5	0,00	85,36	-	-	0,00	0,00	-
47	4.886	4.887	8,97	104,5	0,00	84,78	-	-	0,00	0,00	-
48	4.773	4.775	9,24	104,5	0,00	84,58	-	-	0,00	0,00	-
5	3.787	3.788	11,75	106,0	0,00	82,57	-	-	0,00	0,00	-
6	509	525	36,90	106,0	0,00	65,40	-	-	0,00	0,00	-
7	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
8	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
9	4.071	4.072	12,32	106,0	0,00	83,20	-	-	0,00	0,00	-
Sum			40,13								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: AI Noise sensitive point: User defined (37)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.006	6.007	6,47	106,0	0,00	86,57	-	-	0,00	0,00	-
10	4.002	4.003	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
11	3.603	3.604	13,89	106,0	0,00	82,14	-	-	0,00	0,00	-
12	1.359	1.364	26,35	106,0	0,00	73,69	-	-	0,00	0,00	-
13	1.190	1.195	27,92	106,0	0,00	72,55	-	-	0,00	0,00	-
14	998	1.004	29,96	106,0	0,00	71,03	-	-	0,00	0,00	-
15	1.338	1.342	26,54	106,0	0,00	73,56	-	-	0,00	0,00	-
16	1.708	1.711	23,58	106,0	0,00	75,67	-	-	0,00	0,00	-
17	1.979	1.981	21,74	106,0	0,00	76,94	-	-	0,00	0,00	-
18	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
19	3.097	3.099	15,87	106,0	0,00	80,82	-	-	0,00	0,00	-
2	5.630	5.631	7,17	106,0	0,00	86,01	-	-	0,00	0,00	-
20	3.302	3.304	15,00	106,0	0,00	81,38	-	-	0,00	0,00	-
21	3.349	3.351	14,81	106,0	0,00	81,50	-	-	0,00	0,00	-
22	3.379	3.380	14,70	106,0	0,00	81,58	-	-	0,00	0,00	-
23	4.598	4.599	10,75	106,0	0,00	84,25	-	-	0,00	0,00	-
24	4.686	4.687	10,51	106,0	0,00	84,42	-	-	0,00	0,00	-
25	4.987	4.988	9,70	106,0	0,00	84,96	-	-	0,00	0,00	-
26	5.981	5.981	7,15	104,5	0,00	86,54	-	-	0,00	0,00	-
27	5.661	5.662	7,80	104,5	0,00	86,06	-	-	0,00	0,00	-
28	5.404	5.405	8,35	104,5	0,00	85,66	-	-	0,00	0,00	-
29	5.349	5.350	8,47	104,5	0,00	85,57	-	-	0,00	0,00	-
3	4.426	4.428	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
30	5.211	5.211	8,78	104,5	0,00	85,34	-	-	0,00	0,00	-
31	4.380	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
32	4.030	4.030	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
33	2.986	2.987	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
34	2.414	2.415	17,95	104,5	0,00	78,66	-	-	0,00	0,00	-
35	3.222	3.223	14,53	104,5	0,00	81,16	-	-	0,00	0,00	-
36	1.546	1.547	23,44	104,5	0,00	74,79	-	-	0,00	0,00	-
37	1.370	1.372	24,87	104,5	0,00	73,75	-	-	0,00	0,00	-
38	886	898	31,26	106,0	0,00	70,06	-	-	0,00	0,00	-
39	5.038	5.040	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
4	2.806	2.809	15,71	106,0	0,00	79,97	-	-	0,00	0,00	-
40	1.430	1.437	25,83	106,0	0,00	74,15	-	-	0,00	0,00	-
41	2.050	2.055	21,48	106,0	0,00	77,26	-	-	0,00	0,00	-
42	2.183	2.187	20,71	106,0	0,00	77,80	-	-	0,00	0,00	-
43	4.773	4.775	10,71	106,0	0,00	84,58	-	-	0,00	0,00	-
44	3.809	3.810	12,52	104,5	0,00	82,62	-	-	0,00	0,00	-
45	4.951	4.953	8,82	104,5	0,00	84,90	-	-	0,00	0,00	-
46	5.148	5.149	8,36	104,5	0,00	85,24	-	-	0,00	0,00	-
47	4.826	4.828	9,11	104,5	0,00	84,68	-	-	0,00	0,00	-
48	4.690	4.692	9,45	104,5	0,00	84,43	-	-	0,00	0,00	-
5	3.644	3.646	12,25	106,0	0,00	82,24	-	-	0,00	0,00	-
6	522	538	36,62	106,0	0,00	65,61	-	-	0,00	0,00	-
7	3.613	3.615	12,36	106,0	0,00	82,16	-	-	0,00	0,00	-
8	3.623	3.625	12,32	106,0	0,00	82,19	-	-	0,00	0,00	-
9	4.121	4.122	12,16	106,0	0,00	83,30	-	-	0,00	0,00	-
Sum			40,25								

- Data undefined due to calculation with octave data

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.277	6.278	5,99	106,0	0,00	86,96	-	-	0,00	0,00	-
10	4.338	4.340	11,50	106,0	0,00	83,75	-	-	0,00	0,00	-
11	3.940	3.941	12,74	106,0	0,00	82,91	-	-	0,00	0,00	-
12	1.437	1.441	25,69	106,0	0,00	74,17	-	-	0,00	0,00	-
13	1.191	1.196	27,91	106,0	0,00	72,55	-	-	0,00	0,00	-
14	1.105	1.111	28,78	106,0	0,00	71,91	-	-	0,00	0,00	-
15	1.428	1.432	25,76	106,0	0,00	74,12	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	1.750	1.753	23,28	106,0	0,00	75,87	-	-	0,00	0,00	-
17	2.056	2.058	21,25	106,0	0,00	77,27	-	-	0,00	0,00	-
18	2.772	2.774	17,36	106,0	0,00	79,86	-	-	0,00	0,00	-
19	2.895	2.897	16,78	106,0	0,00	80,24	-	-	0,00	0,00	-
2	5.897	5.898	6,67	106,0	0,00	86,41	-	-	0,00	0,00	-
20	3.126	3.128	15,75	106,0	0,00	80,91	-	-	0,00	0,00	-
21	3.083	3.085	15,93	106,0	0,00	80,78	-	-	0,00	0,00	-
22	3.144	3.146	15,67	106,0	0,00	80,96	-	-	0,00	0,00	-
23	4.462	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
24	4.494	4.495	11,05	106,0	0,00	84,05	-	-	0,00	0,00	-
25	4.742	4.743	10,35	106,0	0,00	84,52	-	-	0,00	0,00	-
26	6.262	6.262	6,61	104,5	0,00	86,93	-	-	0,00	0,00	-
27	5.948	5.948	7,22	104,5	0,00	86,49	-	-	0,00	0,00	-
28	5.696	5.697	7,72	104,5	0,00	86,11	-	-	0,00	0,00	-
29	5.627	5.628	7,87	104,5	0,00	86,01	-	-	0,00	0,00	-
3	4.702	4.703	9,18	106,0	0,00	84,45	-	-	0,00	0,00	-
30	5.473	5.473	8,20	104,5	0,00	85,76	-	-	0,00	0,00	-
31	4.637	4.638	10,17	104,5	0,00	84,33	-	-	0,00	0,00	-
32	4.270	4.270	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
33	3.191	3.192	14,65	104,5	0,00	81,08	-	-	0,00	0,00	-
34	2.646	2.647	16,87	104,5	0,00	79,45	-	-	0,00	0,00	-
35	3.552	3.552	13,36	104,5	0,00	82,01	-	-	0,00	0,00	-
36	1.703	1.704	22,27	104,5	0,00	75,63	-	-	0,00	0,00	-
37	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
38	764	778	32,87	106,0	0,00	68,82	-	-	0,00	0,00	-
39	5.352	5.354	9,37	106,0	0,00	85,57	-	-	0,00	0,00	-
4	3.044	3.047	14,63	106,0	0,00	80,68	-	-	0,00	0,00	-
40	1.764	1.770	23,32	106,0	0,00	75,96	-	-	0,00	0,00	-
41	2.386	2.390	19,59	106,0	0,00	78,57	-	-	0,00	0,00	-
42	2.501	2.504	19,00	106,0	0,00	78,97	-	-	0,00	0,00	-
43	5.005	5.007	10,15	106,0	0,00	84,99	-	-	0,00	0,00	-
44	3.591	3.592	13,23	104,5	0,00	82,11	-	-	0,00	0,00	-
45	5.235	5.237	8,16	104,5	0,00	85,38	-	-	0,00	0,00	-
46	5.447	5.448	7,70	104,5	0,00	85,72	-	-	0,00	0,00	-
47	5.133	5.135	8,39	104,5	0,00	85,21	-	-	0,00	0,00	-
48	4.984	4.986	8,74	104,5	0,00	84,95	-	-	0,00	0,00	-
5	3.890	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
6	294	321	42,33	106,0	0,00	61,13	-	-	0,00	0,00	-
7	3.409	3.412	13,13	106,0	0,00	81,66	-	-	0,00	0,00	-
8	3.956	3.958	11,17	106,0	0,00	82,95	-	-	0,00	0,00	-
9	4.459	4.460	11,15	106,0	0,00	83,99	-	-	0,00	0,00	-
Sum			43,62								

- Data undefined due to calculation with octave data

Noise sensitive area: AK Noise sensitive point: User defined (39)

Wind speed: 10,0 m/s

WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.323	6.324	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
10	4.363	4.364	11,43	106,0	0,00	83,80	-	-	0,00	0,00	-
11	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
12	1.484	1.488	25,29	106,0	0,00	74,45	-	-	0,00	0,00	-
13	1.236	1.240	27,48	106,0	0,00	72,87	-	-	0,00	0,00	-
14	1.154	1.160	28,28	106,0	0,00	72,29	-	-	0,00	0,00	-
15	1.402	1.405	25,99	106,0	0,00	73,96	-	-	0,00	0,00	-
16	1.716	1.719	23,52	106,0	0,00	75,71	-	-	0,00	0,00	-
17	2.025	2.028	21,44	106,0	0,00	77,14	-	-	0,00	0,00	-
18	2.723	2.725	17,59	106,0	0,00	79,71	-	-	0,00	0,00	-
19	2.846	2.848	17,01	106,0	0,00	80,09	-	-	0,00	0,00	-
2	5.944	5.945	6,58	106,0	0,00	86,48	-	-	0,00	0,00	-
20	3.077	3.079	15,96	106,0	0,00	80,77	-	-	0,00	0,00	-
21	3.035	3.037	16,14	106,0	0,00	80,65	-	-	0,00	0,00	-
22	3.095	3.097	15,88	106,0	0,00	80,82	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	4.414	4.415	11,28	106,0	0,00	83,90	-	-	0,00	0,00	-
24	4.444	4.445	11,19	106,0	0,00	83,96	-	-	0,00	0,00	-
25	4.694	4.695	10,48	106,0	0,00	84,43	-	-	0,00	0,00	-
26	6.307	6.308	6,53	104,5	0,00	87,00	-	-	0,00	0,00	-
27	5.993	5.993	7,13	104,5	0,00	86,55	-	-	0,00	0,00	-
28	5.740	5.741	7,63	104,5	0,00	86,18	-	-	0,00	0,00	-
29	5.673	5.673	7,77	104,5	0,00	86,08	-	-	0,00	0,00	-
3	4.747	4.749	9,07	106,0	0,00	84,53	-	-	0,00	0,00	-
30	5.520	5.520	8,10	104,5	0,00	85,84	-	-	0,00	0,00	-
31	4.685	4.685	10,04	104,5	0,00	84,41	-	-	0,00	0,00	-
32	4.318	4.318	11,02	104,5	0,00	83,71	-	-	0,00	0,00	-
33	3.240	3.241	14,46	104,5	0,00	81,21	-	-	0,00	0,00	-
34	2.694	2.695	16,66	104,5	0,00	79,61	-	-	0,00	0,00	-
35	3.571	3.571	13,30	104,5	0,00	82,06	-	-	0,00	0,00	-
36	1.684	1.686	22,41	104,5	0,00	75,54	-	-	0,00	0,00	-
37	1.291	1.293	25,57	104,5	0,00	73,23	-	-	0,00	0,00	-
38	800	814	32,37	106,0	0,00	69,21	-	-	0,00	0,00	-
39	5.393	5.394	9,28	106,0	0,00	85,64	-	-	0,00	0,00	-
4	3.092	3.095	14,42	106,0	0,00	80,81	-	-	0,00	0,00	-
40	1.797	1.803	23,10	106,0	0,00	76,12	-	-	0,00	0,00	-
41	2.418	2.422	19,42	106,0	0,00	78,68	-	-	0,00	0,00	-
42	2.540	2.544	18,80	106,0	0,00	79,11	-	-	0,00	0,00	-
43	5.053	5.055	10,04	106,0	0,00	85,07	-	-	0,00	0,00	-
44	3.542	3.542	13,40	104,5	0,00	81,99	-	-	0,00	0,00	-
45	5.280	5.282	8,06	104,5	0,00	85,46	-	-	0,00	0,00	-
46	5.490	5.491	7,61	104,5	0,00	85,79	-	-	0,00	0,00	-
47	5.175	5.177	8,30	104,5	0,00	85,28	-	-	0,00	0,00	-
48	5.028	5.030	8,64	104,5	0,00	85,03	-	-	0,00	0,00	-
5	3.938	3.940	11,23	106,0	0,00	82,91	-	-	0,00	0,00	-
6	246	278	43,86	106,0	0,00	59,88	-	-	0,00	0,00	-
7	3.360	3.362	13,32	106,0	0,00	81,53	-	-	0,00	0,00	-
8	3.977	3.979	11,11	106,0	0,00	83,00	-	-	0,00	0,00	-
9	4.488	4.489	11,06	106,0	0,00	84,04	-	-	0,00	0,00	-
Sum			44,76								

- Data undefined due to calculation with octave data

Noise sensitive area: AL Noise sensitive point: User defined (40)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.788	9.788	1,32	106,0	0,00	90,81	-	-	0,00	0,00	-
10	6.815	6.816	5,70	106,0	0,00	87,67	-	-	0,00	0,00	-
11	6.528	6.529	6,24	106,0	0,00	87,30	-	-	0,00	0,00	-
12	5.121	5.122	9,36	106,0	0,00	85,19	-	-	0,00	0,00	-
13	4.825	4.827	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
14	4.807	4.808	10,18	106,0	0,00	84,64	-	-	0,00	0,00	-
15	3.062	3.064	16,03	106,0	0,00	80,73	-	-	0,00	0,00	-
16	2.711	2.713	17,65	106,0	0,00	79,67	-	-	0,00	0,00	-
17	2.804	2.806	17,20	106,0	0,00	79,96	-	-	0,00	0,00	-
18	1.215	1.220	27,68	106,0	0,00	72,73	-	-	0,00	0,00	-
19	831	838	32,02	106,0	0,00	69,46	-	-	0,00	0,00	-
2	9.425	9.426	1,72	106,0	0,00	90,49	-	-	0,00	0,00	-
20	589	599	35,74	106,0	0,00	66,54	-	-	0,00	0,00	-
21	1.293	1.297	26,95	106,0	0,00	73,26	-	-	0,00	0,00	-
22	857	864	31,67	106,0	0,00	69,73	-	-	0,00	0,00	-
23	993	998	30,02	106,0	0,00	70,98	-	-	0,00	0,00	-
24	804	811	32,38	106,0	0,00	69,18	-	-	0,00	0,00	-
25	1.474	1.478	25,38	106,0	0,00	74,39	-	-	0,00	0,00	-
26	9.721	9.722	1,57	104,5	0,00	90,75	-	-	0,00	0,00	-
27	9.378	9.379	1,97	104,5	0,00	90,44	-	-	0,00	0,00	-
28	9.098	9.098	2,32	104,5	0,00	90,18	-	-	0,00	0,00	-
29	9.111	9.111	2,30	104,5	0,00	90,19	-	-	0,00	0,00	-
3	8.210	8.211	3,15	106,0	0,00	89,29	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	9.025	9.026	2,41	104,5	0,00	90,11	-	-	0,00	0,00	-
31	8.212	8.212	3,48	104,5	0,00	89,29	-	-	0,00	0,00	-
32	7.896	7.896	3,93	104,5	0,00	88,95	-	-	0,00	0,00	-
33	6.873	6.874	5,53	104,5	0,00	87,74	-	-	0,00	0,00	-
34	6.295	6.295	6,55	104,5	0,00	86,98	-	-	0,00	0,00	-
35	5.899	5.900	7,31	104,5	0,00	86,42	-	-	0,00	0,00	-
36	3.321	3.321	14,17	104,5	0,00	81,43	-	-	0,00	0,00	-
37	2.657	2.659	16,82	104,5	0,00	79,49	-	-	0,00	0,00	-
38	4.313	4.315	11,95	106,0	0,00	83,70	-	-	0,00	0,00	-
39	8.578	8.579	4,01	106,0	0,00	89,67	-	-	0,00	0,00	-
4	6.680	6.681	5,32	106,0	0,00	87,50	-	-	0,00	0,00	-
40	4.993	4.995	10,18	106,0	0,00	84,97	-	-	0,00	0,00	-
41	5.483	5.484	9,09	106,0	0,00	85,78	-	-	0,00	0,00	-
42	5.833	5.835	8,38	106,0	0,00	86,32	-	-	0,00	0,00	-
43	8.646	8.647	3,92	106,0	0,00	89,74	-	-	0,00	0,00	-
44	480	487	36,44	104,5	0,00	64,74	-	-	0,00	0,00	-
45	8.692	8.693	2,39	104,5	0,00	89,78	-	-	0,00	0,00	-
46	8.804	8.805	2,25	104,5	0,00	89,89	-	-	0,00	0,00	-
47	8.431	8.432	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
48	8.387	8.389	2,79	104,5	0,00	89,47	-	-	0,00	0,00	-
5	7.502	7.503	4,09	106,0	0,00	88,50	-	-	0,00	0,00	-
6	3.414	3.416	13,11	106,0	0,00	81,67	-	-	0,00	0,00	-
7	384	405	39,81	106,0	0,00	63,15	-	-	0,00	0,00	-
8	6.326	6.328	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
9	7.150	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
Sum			44,04								

- Data undefined due to calculation with octave data

Noise sensitive area: AM Noise sensitive point: User defined (41)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.834	9.834	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
10	6.878	6.878	5,58	106,0	0,00	87,75	-	-	0,00	0,00	-
11	6.589	6.590	6,13	106,0	0,00	87,38	-	-	0,00	0,00	-
12	5.148	5.149	9,29	106,0	0,00	85,23	-	-	0,00	0,00	-
13	4.850	4.851	10,06	106,0	0,00	84,72	-	-	0,00	0,00	-
14	4.837	4.838	10,10	106,0	0,00	84,69	-	-	0,00	0,00	-
15	3.115	3.117	15,80	106,0	0,00	80,87	-	-	0,00	0,00	-
16	2.767	2.769	17,38	106,0	0,00	79,85	-	-	0,00	0,00	-
17	2.866	2.867	16,92	106,0	0,00	80,15	-	-	0,00	0,00	-
18	1.206	1.211	27,77	106,0	0,00	72,66	-	-	0,00	0,00	-
19	850	857	31,77	106,0	0,00	69,65	-	-	0,00	0,00	-
2	9.470	9.471	1,67	106,0	0,00	90,53	-	-	0,00	0,00	-
20	634	642	34,97	106,0	0,00	67,15	-	-	0,00	0,00	-
21	1.261	1.266	27,24	106,0	0,00	73,05	-	-	0,00	0,00	-
22	836	843	31,95	106,0	0,00	69,52	-	-	0,00	0,00	-
23	1.020	1.025	29,71	106,0	0,00	71,22	-	-	0,00	0,00	-
24	764	771	32,95	106,0	0,00	68,74	-	-	0,00	0,00	-
25	1.404	1.408	25,97	106,0	0,00	73,97	-	-	0,00	0,00	-
26	9.769	9.769	1,51	104,5	0,00	90,80	-	-	0,00	0,00	-
27	9.427	9.427	1,91	104,5	0,00	90,49	-	-	0,00	0,00	-
28	9.147	9.148	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
29	9.158	9.158	2,24	104,5	0,00	90,24	-	-	0,00	0,00	-
3	8.255	8.256	3,09	106,0	0,00	89,34	-	-	0,00	0,00	-
30	9.069	9.069	2,35	104,5	0,00	90,15	-	-	0,00	0,00	-
31	8.255	8.255	3,42	104,5	0,00	89,33	-	-	0,00	0,00	-
32	7.935	7.936	3,87	104,5	0,00	88,99	-	-	0,00	0,00	-
33	6.908	6.909	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
34	6.332	6.333	6,48	104,5	0,00	87,03	-	-	0,00	0,00	-
35	5.962	5.962	7,19	104,5	0,00	86,51	-	-	0,00	0,00	-
36	3.378	3.379	13,97	104,5	0,00	81,57	-	-	0,00	0,00	-
37	2.704	2.705	16,61	104,5	0,00	79,64	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	4.336	4.338	11,89	106,0	0,00	83,75	-	-	0,00	0,00	-
39	8.631	8.632	3,94	106,0	0,00	89,72	-	-	0,00	0,00	-
4	6.719	6.720	5,26	106,0	0,00	87,55	-	-	0,00	0,00	-
40	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
41	5.534	5.535	8,98	106,0	0,00	85,86	-	-	0,00	0,00	-
42	5.880	5.882	8,28	106,0	0,00	86,39	-	-	0,00	0,00	-
43	8.685	8.686	3,87	106,0	0,00	89,78	-	-	0,00	0,00	-
44	429	436	37,59	104,5	0,00	63,79	-	-	0,00	0,00	-
45	8.740	8.741	2,33	104,5	0,00	89,83	-	-	0,00	0,00	-
46	8.854	8.855	2,19	104,5	0,00	89,94	-	-	0,00	0,00	-
47	8.483	8.484	2,67	104,5	0,00	89,57	-	-	0,00	0,00	-
48	8.436	8.437	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
5	7.542	7.543	4,04	106,0	0,00	88,55	-	-	0,00	0,00	-
6	3.445	3.448	12,99	106,0	0,00	81,75	-	-	0,00	0,00	-
7	374	395	40,08	106,0	0,00	62,93	-	-	0,00	0,00	-
8	6.389	6.390	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
9	7.210	7.211	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
Sum			44,30								

- Data undefined due to calculation with octave data

Noise sensitive area: AN Noise sensitive point: User defined (42)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.915	9.916	1,19	106,0	0,00	90,93	-	-	0,00	0,00	-
10	6.942	6.942	5,46	106,0	0,00	87,83	-	-	0,00	0,00	-
11	6.656	6.656	6,00	106,0	0,00	87,46	-	-	0,00	0,00	-
12	5.237	5.238	9,07	106,0	0,00	85,38	-	-	0,00	0,00	-
13	4.939	4.940	9,83	106,0	0,00	84,88	-	-	0,00	0,00	-
14	4.925	4.926	9,86	106,0	0,00	84,85	-	-	0,00	0,00	-
15	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
16	2.840	2.841	17,04	106,0	0,00	80,07	-	-	0,00	0,00	-
17	2.931	2.933	16,61	106,0	0,00	80,35	-	-	0,00	0,00	-
18	1.291	1.295	26,97	106,0	0,00	73,25	-	-	0,00	0,00	-
19	940	946	30,64	106,0	0,00	70,52	-	-	0,00	0,00	-
2	9.552	9.553	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
20	716	723	33,66	106,0	0,00	68,19	-	-	0,00	0,00	-
21	1.332	1.336	26,60	106,0	0,00	73,52	-	-	0,00	0,00	-
22	915	922	30,94	106,0	0,00	70,29	-	-	0,00	0,00	-
23	952	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
24	678	687	34,24	106,0	0,00	67,73	-	-	0,00	0,00	-
25	1.363	1.368	26,31	106,0	0,00	73,72	-	-	0,00	0,00	-
26	9.850	9.850	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
27	9.507	9.507	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
28	9.227	9.227	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
29	9.239	9.239	2,14	104,5	0,00	90,31	-	-	0,00	0,00	-
3	8.338	8.339	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
30	9.152	9.152	2,25	104,5	0,00	90,23	-	-	0,00	0,00	-
31	8.339	8.339	3,31	104,5	0,00	89,42	-	-	0,00	0,00	-
32	8.021	8.021	3,75	104,5	0,00	89,08	-	-	0,00	0,00	-
33	6.995	6.996	5,32	104,5	0,00	87,90	-	-	0,00	0,00	-
34	6.419	6.419	6,32	104,5	0,00	87,15	-	-	0,00	0,00	-
35	6.026	6.026	7,06	104,5	0,00	86,60	-	-	0,00	0,00	-
36	3.449	3.450	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
37	2.785	2.786	16,26	104,5	0,00	79,90	-	-	0,00	0,00	-
38	4.425	4.428	11,62	106,0	0,00	83,92	-	-	0,00	0,00	-
39	8.707	8.708	3,85	106,0	0,00	89,80	-	-	0,00	0,00	-
4	6.804	6.805	5,13	106,0	0,00	87,66	-	-	0,00	0,00	-
40	5.121	5.123	9,88	106,0	0,00	85,19	-	-	0,00	0,00	-
41	5.611	5.613	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
42	5.961	5.963	8,13	106,0	0,00	86,51	-	-	0,00	0,00	-
43	8.771	8.772	3,76	106,0	0,00	89,86	-	-	0,00	0,00	-
44	484	490	36,36	104,5	0,00	64,81	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
45	8.821	8.822	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-
46	8.933	8.934	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
47	8.560	8.561	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
48	8.516	8.517	2,62	104,5	0,00	89,61	-	-	0,00	0,00	-
5	7.627	7.628	3,92	106,0	0,00	88,65	-	-	0,00	0,00	-
6	3.534	3.536	12,65	106,0	0,00	81,97	-	-	0,00	0,00	-
7	460	478	37,96	106,0	0,00	64,59	-	-	0,00	0,00	-
8	6.452	6.454	5,69	106,0	0,00	87,20	-	-	0,00	0,00	-
9	7.277	7.278	4,86	106,0	0,00	88,24	-	-	0,00	0,00	-
Sum			43,18								

- Data undefined due to calculation with octave data

Noise sensitive area: AO Noise sensitive point: User defined (43)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.911	9.912	1,19	106,0	0,00	90,92	-	-	0,00	0,00	-
10	6.949	6.950	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
11	6.662	6.662	5,99	106,0	0,00	87,47	-	-	0,00	0,00	-
12	5.224	5.225	9,10	106,0	0,00	85,36	-	-	0,00	0,00	-
13	4.924	4.925	9,87	106,0	0,00	84,85	-	-	0,00	0,00	-
14	4.913	4.914	9,90	106,0	0,00	84,83	-	-	0,00	0,00	-
15	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
16	2.842	2.844	17,02	106,0	0,00	80,08	-	-	0,00	0,00	-
17	2.938	2.939	16,58	106,0	0,00	80,37	-	-	0,00	0,00	-
18	1.265	1.270	27,20	106,0	0,00	73,07	-	-	0,00	0,00	-
19	924	930	30,83	106,0	0,00	70,37	-	-	0,00	0,00	-
2	9.548	9.548	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
20	711	719	33,73	106,0	0,00	68,13	-	-	0,00	0,00	-
21	1.300	1.305	26,88	106,0	0,00	73,31	-	-	0,00	0,00	-
22	887	893	31,29	106,0	0,00	70,02	-	-	0,00	0,00	-
23	984	990	30,12	106,0	0,00	70,91	-	-	0,00	0,00	-
24	686	694	34,12	106,0	0,00	67,83	-	-	0,00	0,00	-
25	1.345	1.350	26,47	106,0	0,00	73,60	-	-	0,00	0,00	-
26	9.847	9.847	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
27	9.504	9.505	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
28	9.225	9.225	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
29	9.235	9.235	2,15	104,5	0,00	90,31	-	-	0,00	0,00	-
3	8.333	8.334	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
30	9.147	9.147	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
31	8.333	8.333	3,32	104,5	0,00	89,42	-	-	0,00	0,00	-
32	8.013	8.013	3,76	104,5	0,00	89,08	-	-	0,00	0,00	-
33	6.985	6.986	5,34	104,5	0,00	87,88	-	-	0,00	0,00	-
34	6.410	6.410	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
35	6.033	6.033	7,05	104,5	0,00	86,61	-	-	0,00	0,00	-
36	3.453	3.453	13,70	104,5	0,00	81,76	-	-	0,00	0,00	-
37	2.782	2.783	16,28	104,5	0,00	79,89	-	-	0,00	0,00	-
38	4.410	4.412	11,66	106,0	0,00	83,89	-	-	0,00	0,00	-
39	8.707	8.708	3,84	106,0	0,00	89,80	-	-	0,00	0,00	-
4	6.796	6.797	5,14	106,0	0,00	87,65	-	-	0,00	0,00	-
40	5.118	5.120	9,89	106,0	0,00	85,19	-	-	0,00	0,00	-
41	5.611	5.612	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
42	5.958	5.960	8,13	106,0	0,00	86,50	-	-	0,00	0,00	-
43	8.763	8.764	3,77	106,0	0,00	89,85	-	-	0,00	0,00	-
44	451	458	37,07	104,5	0,00	64,22	-	-	0,00	0,00	-
45	8.817	8.818	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-
46	8.931	8.932	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
47	8.559	8.560	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
48	8.514	8.515	2,62	104,5	0,00	89,60	-	-	0,00	0,00	-
5	7.620	7.621	3,93	106,0	0,00	88,64	-	-	0,00	0,00	-
6	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
7	437	455	38,50	106,0	0,00	64,17	-	-	0,00	0,00	-
8	6.460	6.461	5,68	106,0	0,00	87,21	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
9	7.283	7.284	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
Sum			43,52								

- Data undefined due to calculation with octave data

Noise sensitive area: AP Noise sensitive point: User defined (48)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.087	5.089	8,29	106,0	0,00	85,13	-	-	0,00	0,00	-
10	958	964	30,42	106,0	0,00	70,68	-	-	0,00	0,00	-
11	1.159	1.164	28,23	106,0	0,00	72,32	-	-	0,00	0,00	-
12	4.656	4.658	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
13	4.825	4.826	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
14	4.440	4.442	11,20	106,0	0,00	83,95	-	-	0,00	0,00	-
15	3.746	3.747	13,39	106,0	0,00	82,47	-	-	0,00	0,00	-
16	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
17	3.707	3.709	13,52	106,0	0,00	82,38	-	-	0,00	0,00	-
18	6.267	6.268	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
19	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
2	4.887	4.889	8,75	106,0	0,00	84,78	-	-	0,00	0,00	-
20	5.955	5.956	7,42	106,0	0,00	86,50	-	-	0,00	0,00	-
21	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
22	6.454	6.455	6,39	106,0	0,00	87,20	-	-	0,00	0,00	-
23	6.564	6.565	6,17	106,0	0,00	87,34	-	-	0,00	0,00	-
24	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
25	7.901	7.902	3,82	106,0	0,00	88,96	-	-	0,00	0,00	-
26	4.848	4.848	9,64	104,5	0,00	84,71	-	-	0,00	0,00	-
27	4.492	4.493	10,54	104,5	0,00	84,05	-	-	0,00	0,00	-
28	4.199	4.200	11,35	104,5	0,00	83,46	-	-	0,00	0,00	-
29	4.489	4.490	10,55	104,5	0,00	84,04	-	-	0,00	0,00	-
3	4.017	4.019	10,99	106,0	0,00	83,08	-	-	0,00	0,00	-
30	4.715	4.716	9,97	104,5	0,00	84,47	-	-	0,00	0,00	-
31	4.314	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
32	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
33	4.412	4.413	10,76	104,5	0,00	83,90	-	-	0,00	0,00	-
34	3.977	3.978	12,00	104,5	0,00	82,99	-	-	0,00	0,00	-
35	1.012	1.015	28,36	104,5	0,00	71,13	-	-	0,00	0,00	-
36	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
37	4.272	4.273	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
38	4.886	4.889	10,43	106,0	0,00	84,78	-	-	0,00	0,00	-
39	3.354	3.357	15,23	106,0	0,00	81,52	-	-	0,00	0,00	-
4	3.988	3.990	11,08	106,0	0,00	83,02	-	-	0,00	0,00	-
40	2.986	2.990	16,73	106,0	0,00	80,51	-	-	0,00	0,00	-
41	2.497	2.502	19,01	106,0	0,00	78,96	-	-	0,00	0,00	-
42	2.873	2.877	17,23	106,0	0,00	80,18	-	-	0,00	0,00	-
43	4.965	4.967	10,24	106,0	0,00	84,92	-	-	0,00	0,00	-
44	6.667	6.667	5,88	104,5	0,00	87,48	-	-	0,00	0,00	-
45	4.111	4.114	11,07	104,5	0,00	83,28	-	-	0,00	0,00	-
46	3.861	3.864	11,89	104,5	0,00	82,74	-	-	0,00	0,00	-
47	3.449	3.452	13,36	104,5	0,00	81,76	-	-	0,00	0,00	-
48	3.738	3.741	12,32	104,5	0,00	82,46	-	-	0,00	0,00	-
5	4.149	4.151	10,62	106,0	0,00	83,36	-	-	0,00	0,00	-
6	4.519	4.521	9,63	106,0	0,00	84,10	-	-	0,00	0,00	-
7	6.395	6.397	5,79	106,0	0,00	87,12	-	-	0,00	0,00	-
8	793	803	31,85	106,0	0,00	69,10	-	-	0,00	0,00	-
9	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
Sum			36,98								

- Data undefined due to calculation with octave data

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: AQ Noise sensitive point: User defined (49)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.051	5.052	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
10	919	926	30,88	106,0	0,00	70,33	-	-	0,00	0,00	-
11	1.117	1.123	28,65	106,0	0,00	72,01	-	-	0,00	0,00	-
12	4.622	4.623	10,68	106,0	0,00	84,30	-	-	0,00	0,00	-
13	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
14	4.407	4.409	11,30	106,0	0,00	83,89	-	-	0,00	0,00	-
15	3.731	3.733	13,44	106,0	0,00	82,44	-	-	0,00	0,00	-
16	3.910	3.912	12,84	106,0	0,00	82,85	-	-	0,00	0,00	-
17	3.700	3.701	13,55	106,0	0,00	82,37	-	-	0,00	0,00	-
18	6.256	6.258	6,79	106,0	0,00	86,93	-	-	0,00	0,00	-
19	5.994	5.995	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
2	4.849	4.851	8,83	106,0	0,00	84,72	-	-	0,00	0,00	-
20	5.950	5.952	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
21	6.669	6.670	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
22	6.446	6.447	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
23	6.568	6.569	6,17	106,0	0,00	87,35	-	-	0,00	0,00	-
24	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
25	7.898	7.899	3,83	106,0	0,00	88,95	-	-	0,00	0,00	-
26	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
27	4.456	4.457	10,64	104,5	0,00	83,98	-	-	0,00	0,00	-
28	4.162	4.163	11,46	104,5	0,00	83,39	-	-	0,00	0,00	-
29	4.451	4.452	10,66	104,5	0,00	83,97	-	-	0,00	0,00	-
3	3.977	3.979	11,11	106,0	0,00	82,99	-	-	0,00	0,00	-
30	4.676	4.676	10,07	104,5	0,00	84,40	-	-	0,00	0,00	-
31	4.273	4.274	11,14	104,5	0,00	83,62	-	-	0,00	0,00	-
32	4.384	4.385	10,84	104,5	0,00	83,84	-	-	0,00	0,00	-
33	4.371	4.372	10,87	104,5	0,00	83,81	-	-	0,00	0,00	-
34	3.937	3.938	12,13	104,5	0,00	82,91	-	-	0,00	0,00	-
35	977	980	28,76	104,5	0,00	70,83	-	-	0,00	0,00	-
36	3.346	3.347	14,08	104,5	0,00	81,49	-	-	0,00	0,00	-
37	4.258	4.259	11,19	104,5	0,00	83,59	-	-	0,00	0,00	-
38	4.856	4.859	10,50	106,0	0,00	84,73	-	-	0,00	0,00	-
39	3.319	3.322	15,37	106,0	0,00	81,43	-	-	0,00	0,00	-
4	3.947	3.949	11,20	106,0	0,00	82,93	-	-	0,00	0,00	-
40	2.953	2.957	16,87	106,0	0,00	80,42	-	-	0,00	0,00	-
41	2.461	2.465	19,20	106,0	0,00	78,84	-	-	0,00	0,00	-
42	2.834	2.838	17,40	106,0	0,00	80,06	-	-	0,00	0,00	-
43	4.924	4.926	10,34	106,0	0,00	84,85	-	-	0,00	0,00	-
44	6.662	6.662	5,89	104,5	0,00	87,47	-	-	0,00	0,00	-
45	4.072	4.075	11,20	104,5	0,00	83,20	-	-	0,00	0,00	-
46	3.824	3.827	12,02	104,5	0,00	82,66	-	-	0,00	0,00	-
47	3.411	3.414	13,50	104,5	0,00	81,67	-	-	0,00	0,00	-
48	3.699	3.701	12,45	104,5	0,00	82,37	-	-	0,00	0,00	-
5	4.107	4.109	10,73	106,0	0,00	83,28	-	-	0,00	0,00	-
6	4.495	4.498	9,69	106,0	0,00	84,06	-	-	0,00	0,00	-
7	6.391	6.392	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
8	752	763	32,49	106,0	0,00	68,65	-	-	0,00	0,00	-
9	1.417	1.421	25,85	106,0	0,00	74,05	-	-	0,00	0,00	-
Sum			37,43								

- Data undefined due to calculation with octave data

Noise sensitive area: AR Noise sensitive point: User defined (50)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.655	4.656	9,30	106,0	0,00	84,36	-	-	0,00	0,00	-
10	656	665	34,59	106,0	0,00	67,46	-	-	0,00	0,00	-
11	1.013	1.019	29,79	106,0	0,00	71,16	-	-	0,00	0,00	-
12	4.758	4.760	10,31	106,0	0,00	84,55	-	-	0,00	0,00	-
13	4.960	4.962	9,77	106,0	0,00	84,91	-	-	0,00	0,00	-
14	4.577	4.579	10,81	106,0	0,00	84,21	-	-	0,00	0,00	-
15	4.128	4.129	12,14	106,0	0,00	83,32	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Inovacijų k. 3, Biruliskiy k.,

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
16	4.336	4.337	11,51	106,0	0,00	83,74	-	-	0,00	0,00	-
17	4.145	4.147	12,09	106,0	0,00	83,35	-	-	0,00	0,00	-
18	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
19	6.438	6.439	6,42	106,0	0,00	87,18	-	-	0,00	0,00	-
2	4.477	4.479	9,74	106,0	0,00	84,02	-	-	0,00	0,00	-
20	6.409	6.410	6,48	106,0	0,00	87,14	-	-	0,00	0,00	-
21	7.089	7.090	5,19	106,0	0,00	88,01	-	-	0,00	0,00	-
22	6.884	6.885	5,57	106,0	0,00	87,76	-	-	0,00	0,00	-
23	7.064	7.065	5,24	106,0	0,00	87,98	-	-	0,00	0,00	-
24	7.629	7.630	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
25	8.359	8.360	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
26	4.401	4.402	10,79	104,5	0,00	83,87	-	-	0,00	0,00	-
27	4.054	4.054	11,78	104,5	0,00	83,16	-	-	0,00	0,00	-
28	3.767	3.768	12,66	104,5	0,00	82,52	-	-	0,00	0,00	-
29	4.082	4.083	11,69	104,5	0,00	83,22	-	-	0,00	0,00	-
3	3.688	3.690	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
30	4.339	4.339	10,96	104,5	0,00	83,75	-	-	0,00	0,00	-
31	4.009	4.010	11,91	104,5	0,00	83,06	-	-	0,00	0,00	-
32	4.172	4.173	11,43	104,5	0,00	83,41	-	-	0,00	0,00	-
33	4.294	4.295	11,09	104,5	0,00	83,66	-	-	0,00	0,00	-
34	3.920	3.921	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
35	1.196	1.198	26,45	104,5	0,00	72,57	-	-	0,00	0,00	-
36	3.754	3.755	12,70	104,5	0,00	82,49	-	-	0,00	0,00	-
37	4.653	4.654	10,12	104,5	0,00	84,36	-	-	0,00	0,00	-
38	5.075	5.077	9,99	106,0	0,00	85,11	-	-	0,00	0,00	-
39	2.909	2.913	17,07	106,0	0,00	80,29	-	-	0,00	0,00	-
4	3.877	3.879	11,43	106,0	0,00	82,77	-	-	0,00	0,00	-
40	3.135	3.139	16,10	106,0	0,00	80,93	-	-	0,00	0,00	-
41	2.583	2.587	18,59	106,0	0,00	79,26	-	-	0,00	0,00	-
42	2.876	2.880	17,21	106,0	0,00	80,19	-	-	0,00	0,00	-
43	4.656	4.658	11,00	106,0	0,00	84,36	-	-	0,00	0,00	-
44	7.116	7.117	5,13	104,5	0,00	88,05	-	-	0,00	0,00	-
45	3.724	3.726	12,36	104,5	0,00	82,43	-	-	0,00	0,00	-
46	3.435	3.438	13,41	104,5	0,00	81,73	-	-	0,00	0,00	-
47	3.035	3.038	15,02	104,5	0,00	80,65	-	-	0,00	0,00	-
48	3.358	3.361	13,71	104,5	0,00	81,53	-	-	0,00	0,00	-
5	3.931	3.933	11,25	106,0	0,00	82,89	-	-	0,00	0,00	-
6	4.804	4.806	8,94	106,0	0,00	84,64	-	-	0,00	0,00	-
7	6.847	6.848	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	807	818	31,64	106,0	0,00	69,25	-	-	0,00	0,00	-
9	1.071	1.077	29,14	106,0	0,00	71,64	-	-	0,00	0,00	-
Sum			38,59								

- Data undefined due to calculation with octave data

Noise sensitive area: AS Noise sensitive point: User defined (51)

Wind speed: 10,0 m/s

WTG											
No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.631	4.633	9,35	106,0	0,00	84,32	-	-	0,00	0,00	-
10	611	620	35,36	106,0	0,00	66,85	-	-	0,00	0,00	-
11	962	968	30,37	106,0	0,00	70,72	-	-	0,00	0,00	-
12	4.707	4.708	10,45	106,0	0,00	84,46	-	-	0,00	0,00	-
13	4.909	4.910	9,91	106,0	0,00	84,82	-	-	0,00	0,00	-
14	4.526	4.527	10,95	106,0	0,00	84,12	-	-	0,00	0,00	-
15	4.087	4.088	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
16	4.297	4.299	11,62	106,0	0,00	83,67	-	-	0,00	0,00	-
17	4.109	4.111	12,20	106,0	0,00	83,28	-	-	0,00	0,00	-
18	6.640	6.641	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
19	6.401	6.402	6,49	106,0	0,00	87,13	-	-	0,00	0,00	-
2	4.451	4.453	9,81	106,0	0,00	83,97	-	-	0,00	0,00	-
20	6.374	6.375	6,55	106,0	0,00	87,09	-	-	0,00	0,00	-
21	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
22	6.846	6.848	5,64	106,0	0,00	87,71	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
23	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
24	7.599	7.600	4,32	106,0	0,00	88,62	-	-	0,00	0,00	-
25	8.325	8.326	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
26	4.380	4.381	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
27	4.031	4.032	11,84	104,5	0,00	83,11	-	-	0,00	0,00	-
28	3.744	3.744	12,73	104,5	0,00	82,47	-	-	0,00	0,00	-
29	4.055	4.056	11,77	104,5	0,00	83,16	-	-	0,00	0,00	-
3	3.652	3.654	12,22	106,0	0,00	82,26	-	-	0,00	0,00	-
30	4.308	4.308	11,05	104,5	0,00	83,69	-	-	0,00	0,00	-
31	3.971	3.972	12,02	104,5	0,00	82,98	-	-	0,00	0,00	-
32	4.130	4.131	11,55	104,5	0,00	83,32	-	-	0,00	0,00	-
33	4.245	4.246	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
34	3.869	3.870	12,33	104,5	0,00	82,75	-	-	0,00	0,00	-
35	1.148	1.150	26,93	104,5	0,00	72,22	-	-	0,00	0,00	-
36	3.714	3.715	12,83	104,5	0,00	82,40	-	-	0,00	0,00	-
37	4.612	4.613	10,23	104,5	0,00	84,28	-	-	0,00	0,00	-
38	5.024	5.027	10,11	106,0	0,00	85,03	-	-	0,00	0,00	-
39	2.887	2.891	17,16	106,0	0,00	80,22	-	-	0,00	0,00	-
4	3.828	3.830	11,60	106,0	0,00	82,66	-	-	0,00	0,00	-
40	3.084	3.087	16,31	106,0	0,00	80,79	-	-	0,00	0,00	-
41	2.531	2.535	18,84	106,0	0,00	79,08	-	-	0,00	0,00	-
42	2.824	2.828	17,45	106,0	0,00	80,03	-	-	0,00	0,00	-
43	4.618	4.621	11,09	106,0	0,00	84,29	-	-	0,00	0,00	-
44	7.081	7.082	5,18	104,5	0,00	88,00	-	-	0,00	0,00	-
45	3.694	3.697	12,47	104,5	0,00	82,36	-	-	0,00	0,00	-
46	3.410	3.413	13,51	104,5	0,00	81,66	-	-	0,00	0,00	-
47	3.008	3.012	15,13	104,5	0,00	80,58	-	-	0,00	0,00	-
48	3.328	3.331	13,83	104,5	0,00	81,45	-	-	0,00	0,00	-
5	3.886	3.889	11,40	106,0	0,00	82,80	-	-	0,00	0,00	-
6	4.757	4.759	9,05	106,0	0,00	84,55	-	-	0,00	0,00	-
7	6.812	6.813	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
8	756	767	32,42	106,0	0,00	68,70	-	-	0,00	0,00	-
9	1.037	1.043	29,52	106,0	0,00	71,36	-	-	0,00	0,00	-
Sum			39,22								

- Data undefined due to calculation with octave data

Noise sensitive area: AT Noise sensitive point: User defined (52)

Wind speed: 10,0 m/s

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.425	4.427	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
10	951	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
11	585	595	35,80	106,0	0,00	66,49	-	-	0,00	0,00	-
12	3.373	3.375	14,72	106,0	0,00	81,56	-	-	0,00	0,00	-
13	3.567	3.568	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
14	3.183	3.185	15,50	106,0	0,00	81,06	-	-	0,00	0,00	-
15	2.978	2.980	16,40	106,0	0,00	80,49	-	-	0,00	0,00	-
16	3.263	3.265	15,16	106,0	0,00	81,28	-	-	0,00	0,00	-
17	3.154	3.155	15,63	106,0	0,00	80,98	-	-	0,00	0,00	-
18	5.548	5.549	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
19	5.379	5.380	8,73	106,0	0,00	85,62	-	-	0,00	0,00	-
2	4.151	4.153	10,61	106,0	0,00	83,37	-	-	0,00	0,00	-
20	5.408	5.409	8,66	106,0	0,00	85,66	-	-	0,00	0,00	-
21	5.948	5.949	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
22	5.799	5.800	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
23	6.265	6.266	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
24	6.718	6.719	5,88	106,0	0,00	87,55	-	-	0,00	0,00	-
25	7.347	7.347	4,74	106,0	0,00	88,32	-	-	0,00	0,00	-
26	4.246	4.247	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
27	3.878	3.878	12,31	104,5	0,00	82,77	-	-	0,00	0,00	-
28	3.573	3.574	13,29	104,5	0,00	82,06	-	-	0,00	0,00	-
29	3.762	3.762	12,67	104,5	0,00	82,51	-	-	0,00	0,00	-
3	3.095	3.098	14,41	106,0	0,00	80,82	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
30	3.886	3.887	12,28	104,5	0,00	82,79	-	-	0,00	0,00	-
31	3.324	3.325	14,16	104,5	0,00	81,44	-	-	0,00	0,00	-
32	3.333	3.334	14,12	104,5	0,00	81,46	-	-	0,00	0,00	-
33	3.149	3.150	14,80	104,5	0,00	80,97	-	-	0,00	0,00	-
34	2.678	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
35	353	362	39,51	104,5	0,00	62,17	-	-	0,00	0,00	-
36	2.652	2.653	16,84	104,5	0,00	79,48	-	-	0,00	0,00	-
37	3.485	3.486	13,59	104,5	0,00	81,85	-	-	0,00	0,00	-
38	3.684	3.687	14,01	106,0	0,00	82,33	-	-	0,00	0,00	-
39	2.841	2.845	17,37	106,0	0,00	80,08	-	-	0,00	0,00	-
4	2.724	2.727	16,10	106,0	0,00	79,71	-	-	0,00	0,00	-
40	1.740	1.747	23,48	106,0	0,00	75,85	-	-	0,00	0,00	-
41	1.197	1.207	27,88	106,0	0,00	72,63	-	-	0,00	0,00	-
42	1.560	1.567	24,79	106,0	0,00	74,90	-	-	0,00	0,00	-
43	3.964	3.966	13,06	106,0	0,00	82,97	-	-	0,00	0,00	-
44	6.090	6.091	6,94	104,5	0,00	86,69	-	-	0,00	0,00	-
45	3.341	3.344	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
46	3.234	3.237	14,20	104,5	0,00	81,20	-	-	0,00	0,00	-
47	2.810	2.814	16,00	104,5	0,00	79,99	-	-	0,00	0,00	-
48	2.967	2.970	15,31	104,5	0,00	80,46	-	-	0,00	0,00	-
5	3.007	3.010	14,79	106,0	0,00	80,57	-	-	0,00	0,00	-
6	3.478	3.481	12,86	106,0	0,00	81,83	-	-	0,00	0,00	-
7	5.831	5.832	6,79	106,0	0,00	86,32	-	-	0,00	0,00	-
8	588	602	35,31	106,0	0,00	66,59	-	-	0,00	0,00	-
9	1.197	1.201	27,86	106,0	0,00	72,59	-	-	0,00	0,00	-
Sum			42,99								

- Data undefined due to calculation with octave data

Noise sensitive area: AU Noise sensitive point: User defined (53)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.293	4.295	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
10	286	306	42,73	106,0	0,00	60,70	-	-	0,00	0,00	-
11	690	698	34,06	106,0	0,00	67,88	-	-	0,00	0,00	-
12	4.483	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
13	4.702	4.704	10,46	106,0	0,00	84,45	-	-	0,00	0,00	-
14	4.322	4.324	11,55	106,0	0,00	83,72	-	-	0,00	0,00	-
15	4.064	4.066	12,34	106,0	0,00	83,18	-	-	0,00	0,00	-
16	4.304	4.306	11,60	106,0	0,00	83,68	-	-	0,00	0,00	-
17	4.142	4.144	12,10	106,0	0,00	83,35	-	-	0,00	0,00	-
18	6.633	6.634	6,04	106,0	0,00	87,43	-	-	0,00	0,00	-
19	6.421	6.422	6,45	106,0	0,00	87,15	-	-	0,00	0,00	-
2	4.105	4.107	10,74	106,0	0,00	83,27	-	-	0,00	0,00	-
20	6.414	6.415	6,47	106,0	0,00	87,14	-	-	0,00	0,00	-
21	7.039	7.040	5,28	106,0	0,00	87,95	-	-	0,00	0,00	-
22	6.858	6.859	5,62	106,0	0,00	87,72	-	-	0,00	0,00	-
23	7.141	7.142	5,10	106,0	0,00	88,08	-	-	0,00	0,00	-
24	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-
25	8.365	8.366	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-
26	4.048	4.048	11,79	104,5	0,00	83,15	-	-	0,00	0,00	-
27	3.695	3.696	12,89	104,5	0,00	82,35	-	-	0,00	0,00	-
28	3.405	3.405	13,87	104,5	0,00	81,64	-	-	0,00	0,00	-
29	3.708	3.709	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
3	3.296	3.298	13,58	106,0	0,00	81,37	-	-	0,00	0,00	-
30	3.955	3.956	12,07	104,5	0,00	82,94	-	-	0,00	0,00	-
31	3.615	3.616	13,15	104,5	0,00	82,16	-	-	0,00	0,00	-
32	3.779	3.780	12,62	104,5	0,00	82,55	-	-	0,00	0,00	-
33	3.927	3.927	12,16	104,5	0,00	82,88	-	-	0,00	0,00	-
34	3.574	3.575	13,29	104,5	0,00	82,07	-	-	0,00	0,00	-
35	1.071	1.074	27,71	104,5	0,00	71,62	-	-	0,00	0,00	-
36	3.707	3.708	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
37	4.584	4.585	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
38	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
39	2.554	2.558	18,73	106,0	0,00	79,16	-	-	0,00	0,00	-
4	3.513	3.515	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
40	2.901	2.905	17,10	106,0	0,00	80,26	-	-	0,00	0,00	-
41	2.319	2.324	19,94	106,0	0,00	78,32	-	-	0,00	0,00	-
42	2.564	2.568	18,68	106,0	0,00	79,19	-	-	0,00	0,00	-
43	4.262	4.265	12,11	106,0	0,00	83,60	-	-	0,00	0,00	-
44	7.114	7.115	5,13	104,5	0,00	88,04	-	-	0,00	0,00	-
45	3.343	3.346	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
46	3.069	3.072	14,87	104,5	0,00	80,75	-	-	0,00	0,00	-
47	2.663	2.666	16,70	104,5	0,00	79,52	-	-	0,00	0,00	-
48	2.975	2.978	15,28	104,5	0,00	80,48	-	-	0,00	0,00	-
5	3.542	3.544	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
6	4.650	4.652	9,31	106,0	0,00	84,35	-	-	0,00	0,00	-
7	6.848	6.849	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
9	681	690	34,19	106,0	0,00	67,78	-	-	0,00	0,00	-
Sum			44,50								

- Data undefined due to calculation with octave data

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, C0:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

Octave data required

Frequency dependent air absorption

63	125	250	500	1.000	2.000	4.000	8.000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0,10	0,40	1,00	1,90	3,70	9,70	32,80	117,00

All coordinates are in
Lithuanian TM LKS94-LKS94 (LT)

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!

Noise: Level 0 - OM 0s - 4200 kW

Source	Source/Date	Creator	Edited
Enercon GmbH	2019.11.08	EMD	2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Octave data

Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000
	[m]	[m/s]	[dB(A)]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!

Noise: Level 0 - OM 0s - 4200 kW

Source	Source/Date	Creator	Edited
Enercon GmbH	2019.11.08	EMD	2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Octave data

Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000
	[m]	[m/s]	[dB(A)]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

WTG: GE WIND ENERGY GE 2.5-120 2500 120.0 !O!

Noise: Level 0 - Calculated - NO - 05-2015

Source Source/Date Creator Edited
Manufacturer 2015.05.05 EMD 2016.12.01 13:44
Based on Document Noise_Emissions-NO_2.x-DFIG-120-xxHz_3MW_EN_r01.

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones No	Octave data							
					63	125	250	500	1000	2000	4000	8000
Interpolated	110,0	10,0	106,0	No	84,8	94,0	98,5	100,6	100,7	97,7	89,2	72,1

WTG: NORDEX N131/3000 3000 131.0 !O!

Noise: Mode 0 - 104.5 dB(A) - R00

Source Source/Date Creator Edited
NORDEX 2013.12.03 EMD 2015.01.21 15:58
F008_246_A03_R00, 21.11.2013

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data								
					63	125	250	500	1000	2000	4000	8000	
From other hub height	80,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2	81,7
From Windcat	144,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2	81,7

WTG: GE WIND ENERGY 5.3-158 Thrust 700 5300 158.0 !O!

Noise: 5.3-158 NO

Source Source/Date Creator Edited
Noise_Emission-NO_5.3-158-50Hz_IEC_EN_r01 2018.03.12 EMD 2019.02.06 10:21

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	Octave data								
					63	125	250	500	1000	2000	4000	8000	
Interpolated	149,0	10,0	106,0	No	Generic data	87,6	94,6	98,0	100,6	100,4	97,5	92,7	83,2

Noise sensitive area: A Noise sensitive point: User defined (1)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: B Noise sensitive point: User defined (2)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: C Noise sensitive point: User defined (4)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: D Noise sensitive point: User defined (5)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: E Noise sensitive point: User defined (6)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: F Noise sensitive point: User defined (7)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: G Noise sensitive point: User defined (8)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: H Noise sensitive point: User defined (9)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: I Noise sensitive point: User defined (11)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: J Noise sensitive point: User defined (12)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: K Noise sensitive point: User defined (13)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: L Noise sensitive point: User defined (14)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: M Noise sensitive point: User defined (15)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: N Noise sensitive point: User defined (16)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: O Noise sensitive point: User defined (17)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: P Noise sensitive point: User defined (18)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Q Noise sensitive point: User defined (19)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: R Noise sensitive point: User defined (20)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: S Noise sensitive point: User defined (21)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: T Noise sensitive point: User defined (22)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: U Noise sensitive point: User defined (23)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: V Noise sensitive point: User defined (24)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: W Noise sensitive point: User defined (25)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: X Noise sensitive point: User defined (26)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Y Noise sensitive point: User defined (27)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Z Noise sensitive point: User defined (28)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AA Noise sensitive point: User defined (29)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AB Noise sensitive point: User defined (30)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AC Noise sensitive point: User defined (31)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AD Noise sensitive point: User defined (32)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AE Noise sensitive point: User defined (33)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AF Noise sensitive point: User defined (34)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AG Noise sensitive point: User defined (35)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AH Noise sensitive point: User defined (36)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AI Noise sensitive point: User defined (37)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AK Noise sensitive point: User defined (39)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AL Noise sensitive point: User defined (40)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise sensitive area: AM Noise sensitive point: User defined (41)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AN Noise sensitive point: User defined (42)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AO Noise sensitive point: User defined (43)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AP Noise sensitive point: User defined (48)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AR Noise sensitive point: User defined (50)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AS Noise sensitive point: User defined (51)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AT Noise sensitive point: User defined (52)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AU Noise sensitive point: User defined (53)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Īilutės r.triukōmas

Description:

Ađtuoniō vėjo elektriniō (Īilutės raj. sav. Usėnō ir Juknaiėiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoņiō vĕjo elektriniō (Ģilutēs raj. sav. Usēņō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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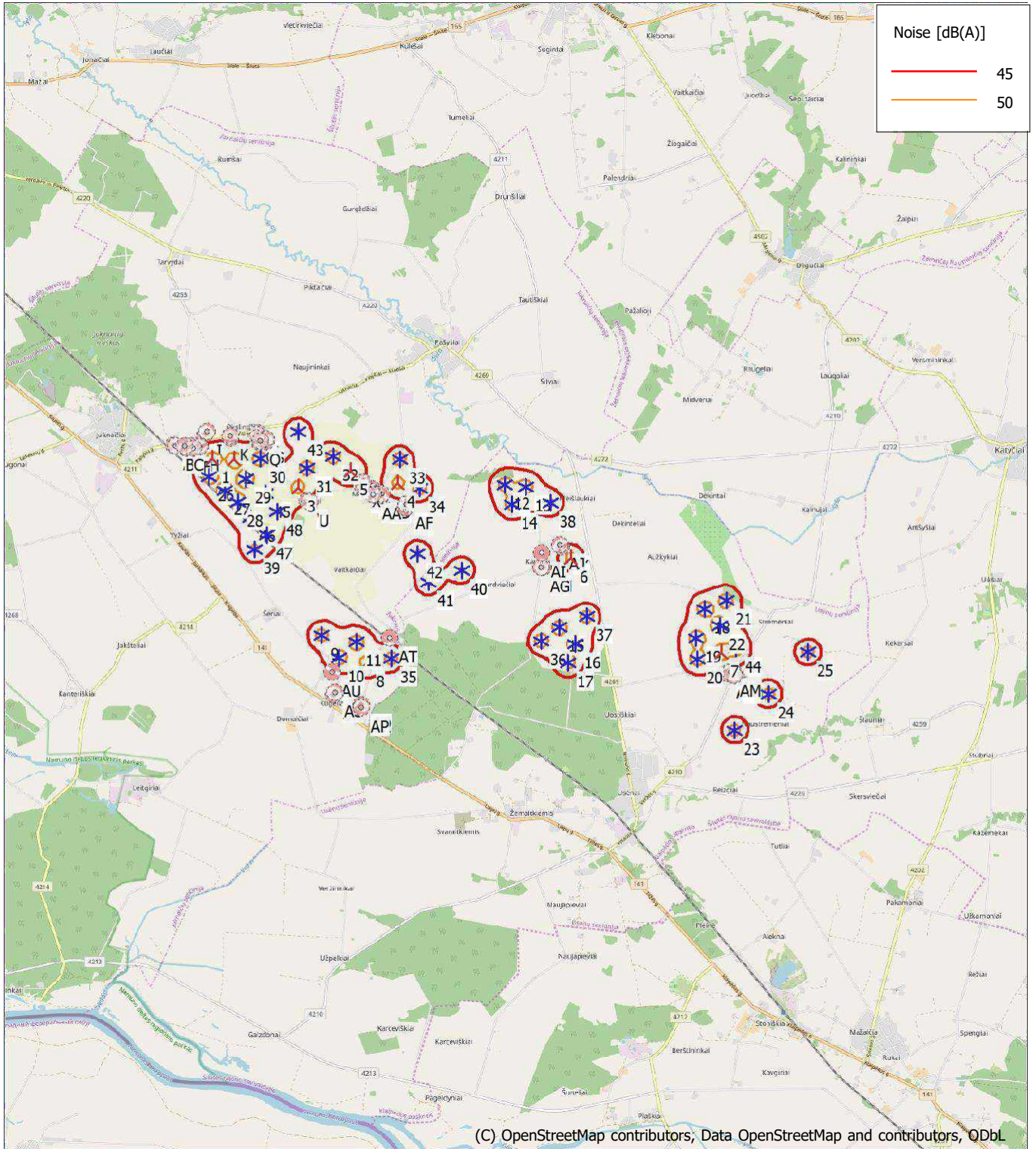
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:100,000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 353.094 North: 6.128.105

New WTG

Existing WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s

Height above sea level from active line object

Project:

8 VE Ėilutės r. triukšomas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavalių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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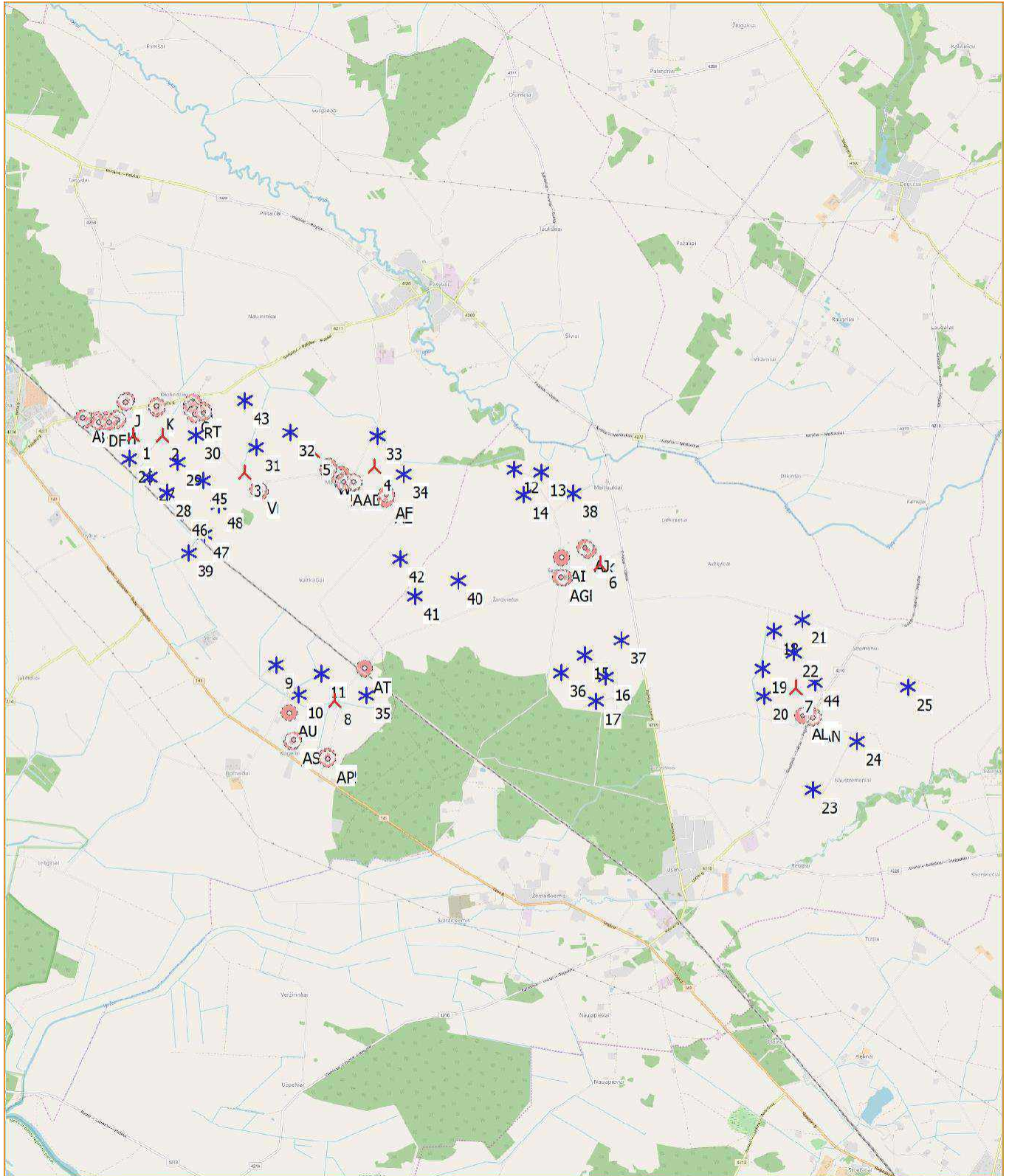
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

New WTG

Existing WTG

Noise sensitive area

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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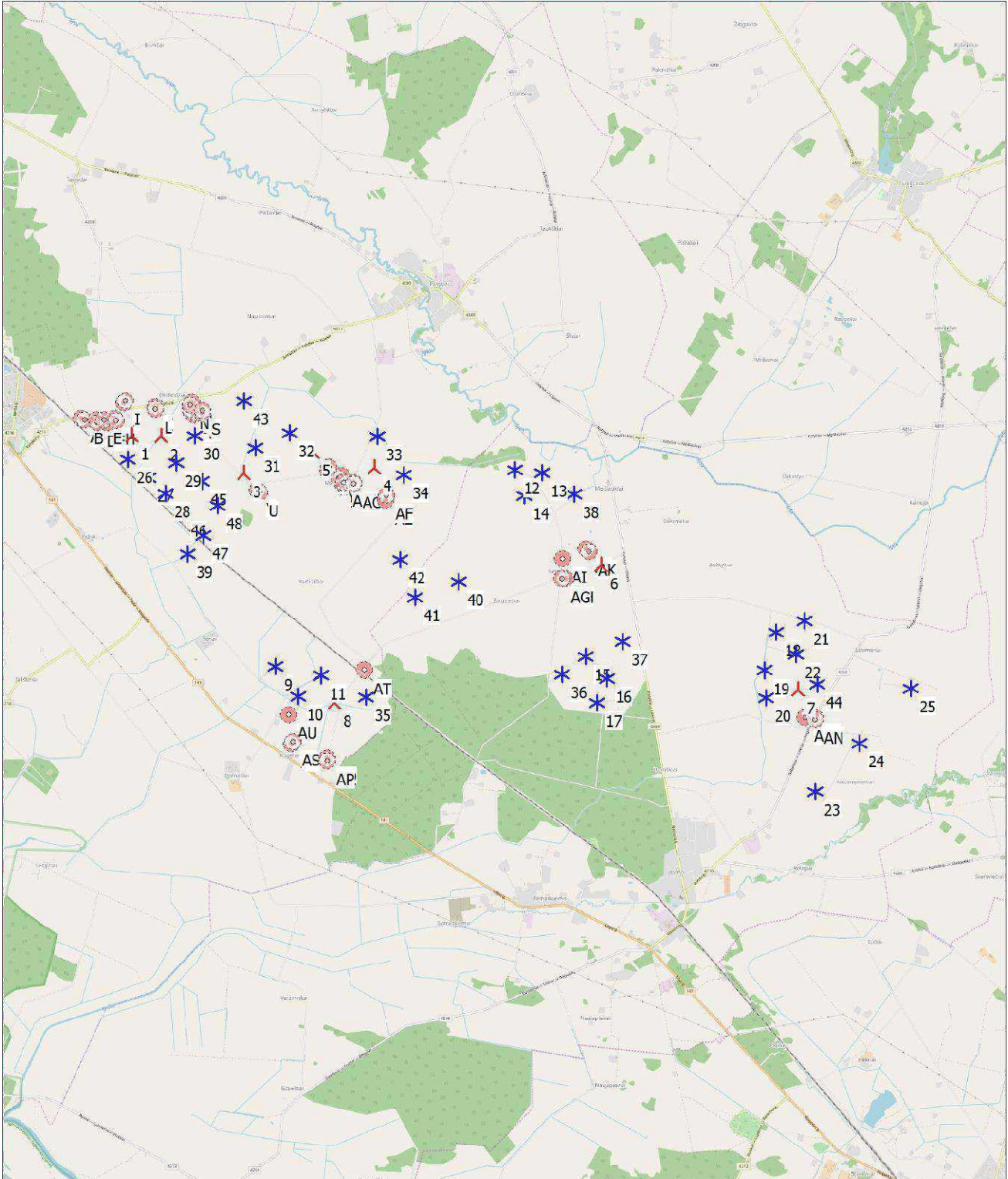
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

New WTG

Existing WTG

Noise sensitive area

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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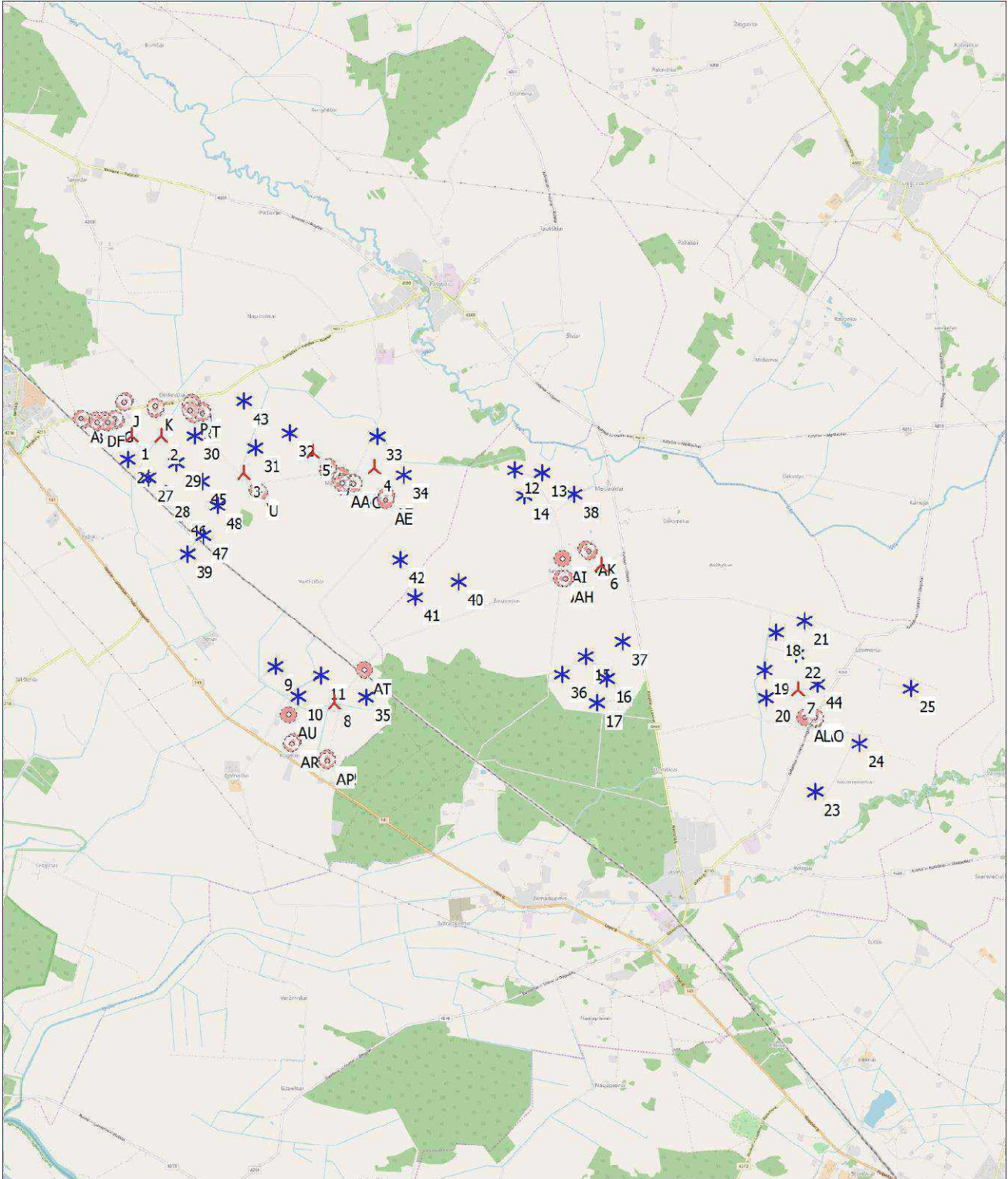
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:43/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

👤 New WTG

✳ Existing WTG

🔴 Noise sensitive area

Project:

8 VE Ėilutės r.triukšomas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, CO:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

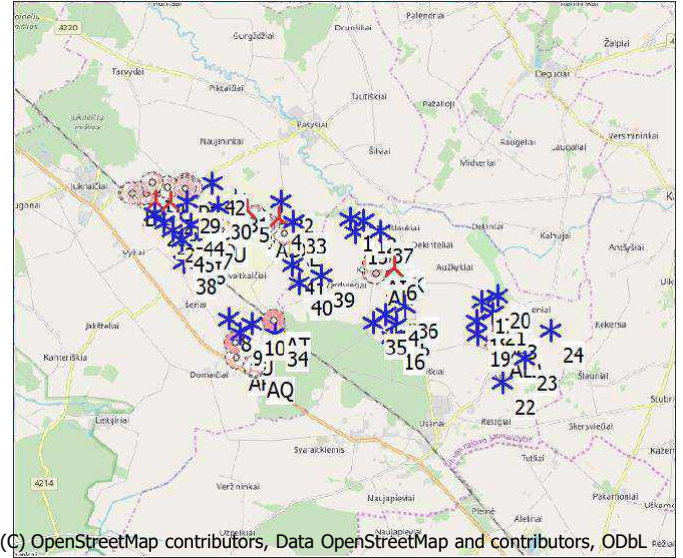
1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

Scale 1:200.000
New WTG Existing WTG Noise sensitive area

WTGs

Table with columns: Y, X, Z, Row data/Description, WTG type, Valid, Manufact., Type-generator, Power, Rotor diameter, Hub height, Noise data, Creator Name, Wind speed, Status, Lwa,ref. Contains 47 rows of turbine data.

h) Generic octave distribution used

g) Data calculated from data for other wind speed (uncertain)

Calculation Results

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoņiņ vĕjo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Sound level

Noise sensitive area					Demands		Sound level		Demands fulfilled ?	
No.	Name	Y	X	Z	Immission height	Noise	From WTGs	Distance to noise demand	Noise	
					[m]	[dB(A)]	[dB(A)]	[m]		
A	Noise sensitive point: User defined (1)	347.290	6.130.678	10,0	1,5	45,0	37,8	436	Yes	
B	Noise sensitive point: User defined (2)	347.334	6.130.657	10,0	1,5	45,0	38,4	387	Yes	
C	Noise sensitive point: User defined (4)	347.483	6.130.653	10,7	1,5	45,0	40,2	253	Yes	
D	Noise sensitive point: User defined (5)	347.505	6.130.613	10,4	1,5	45,0	40,8	215	Yes	
E	Noise sensitive point: User defined (6)	347.592	6.130.646	10,8	1,5	45,0	41,7	154	Yes	
F	Noise sensitive point: User defined (7)	347.637	6.130.618	10,6	1,5	45,0	42,7	101	Yes	
G	Noise sensitive point: User defined (8)	347.734	6.130.663	11,0	1,5	45,0	43,7	59	Yes	
H	Noise sensitive point: User defined (9)	347.757	6.130.635	10,8	1,5	45,0	44,5	23	Yes	
I	Noise sensitive point: User defined (11)	347.883	6.130.901	13,1	1,5	45,0	41,1	202	Yes	
J	Noise sensitive point: User defined (12)	347.866	6.130.871	12,8	1,5	45,0	41,5	175	Yes	
K	Noise sensitive point: User defined (13)	348.287	6.130.811	10,0	1,5	45,0	43,3	94	Yes	
L	Noise sensitive point: User defined (14)	348.284	6.130.768	10,0	1,5	45,0	44,1	51	Yes	
M	Noise sensitive point: User defined (15)	348.782	6.130.851	10,0	1,5	45,0	42,3	174	Yes	
N	Noise sensitive point: User defined (16)	348.759	6.130.812	10,0	1,5	45,0	42,8	133	Yes	
O	Noise sensitive point: User defined (17)	348.756	6.130.753	10,0	1,5	45,0	43,7	74	Yes	
P	Noise sensitive point: User defined (18)	348.753	6.130.737	10,0	1,5	45,0	43,9	58	Yes	
Q	Noise sensitive point: User defined (19)	348.810	6.130.701	10,0	1,5	45,0	44,5	26	Yes	
R	Noise sensitive point: User defined (20)	348.790	6.130.676	10,0	1,5	45,0	45,0	1	Yes	
S	Noise sensitive point: User defined (21)	348.913	6.130.737	10,0	1,5	45,0	43,6	86	Yes	
T	Noise sensitive point: User defined (22)	348.911	6.130.694	10,0	1,5	45,0	44,2	45	Yes	
U	Noise sensitive point: User defined (23)	349.644	6.129.613	10,0	1,5	45,0	44,4	31	Yes	
V	Noise sensitive point: User defined (24)	349.607	6.129.632	10,0	1,5	45,0	45,0	1	Yes	
W	Noise sensitive point: User defined (25)	350.562	6.129.862	10,9	1,5	45,0	43,9	57	Yes	
X	Noise sensitive point: User defined (26)	350.576	6.129.919	10,8	1,5	45,0	44,6	26	Yes	
Y	Noise sensitive point: User defined (27)	350.707	6.129.756	12,0	1,5	45,0	42,3	231	Yes	
Z	Noise sensitive point: User defined (28)	350.748	6.129.803	12,1	1,5	45,0	42,8	180	Yes	
AA	Noise sensitive point: User defined (29)	350.753	6.129.689	12,4	1,5	45,0	42,0	218	Yes	
AB	Noise sensitive point: User defined (30)	350.767	6.129.705	12,4	1,5	45,0	42,2	199	Yes	
AC	Noise sensitive point: User defined (31)	350.909	6.129.675	13,3	1,5	45,0	43,2	91	Yes	
AD	Noise sensitive point: User defined (32)	350.909	6.129.692	13,3	1,5	45,0	43,4	80	Yes	
AE	Noise sensitive point: User defined (33)	351.332	6.129.441	16,3	1,5	45,0	42,6	146	Yes	
AF	Noise sensitive point: User defined (34)	351.339	6.129.512	16,2	1,5	45,0	43,6	77	Yes	
AG	Noise sensitive point: User defined (35)	353.662	6.128.322	20,0	1,5	45,0	39,8	314	Yes	
AH	Noise sensitive point: User defined (36)	353.705	6.128.318	20,0	1,5	45,0	40,1	276	Yes	
AI	Noise sensitive point: User defined (37)	353.678	6.128.582	20,0	1,5	45,0	40,2	285	Yes	
AJ	Noise sensitive point: User defined (38)	353.996	6.128.697	20,0	1,5	45,0	43,6	60	Yes	
AK	Noise sensitive point: User defined (39)	354.036	6.128.668	20,0	1,5	45,0	44,8	11	Yes	
AL	Noise sensitive point: User defined (40)	356.862	6.126.349	19,7	1,5	45,0	44,0	56	Yes	
AM	Noise sensitive point: User defined (41)	356.927	6.126.381	20,0	1,5	45,0	44,3	39	Yes	
AN	Noise sensitive point: User defined (42)	356.986	6.126.313	20,0	1,5	45,0	43,2	122	Yes	
AO	Noise sensitive point: User defined (43)	356.996	6.126.345	20,0	1,5	45,0	43,5	95	Yes	
AP	Noise sensitive point: User defined (48)	350.424	6.125.973	10,0	1,5	45,0	35,4	703	Yes	
AQ	Noise sensitive point: User defined (49)	350.424	6.126.015	10,0	1,5	45,0	35,8	663	Yes	
AR	Noise sensitive point: User defined (50)	349.947	6.126.215	10,0	1,5	45,0	37,6	405	Yes	
AS	Noise sensitive point: User defined (51)	349.979	6.126.256	10,0	1,5	45,0	38,2	359	Yes	
AT	Noise sensitive point: User defined (52)	350.962	6.127.173	10,0	1,5	45,0	42,2	135	Yes	
AU	Noise sensitive point: User defined (53)	349.928	6.126.609	10,0	1,5	45,0	44,0	37	Yes	

Distances (m)

NSA	WTG																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	715	1093	2297	3980	3133	7239	10274	4211	4716	4700	5850	6210	6021	7469	7860	7889	9737	9766	9913	10068	10086	11032
B	666	1044	2248	3933	3086	7190	10225	4168	4673	4655	5803	6163	5973	7420	7811	7840	9688	9717	9864	10019	10038	10983
C	527	900	2108	3786	2939	7048	10087	4079	4584	4556	5656	6016	5827	7287	7679	7710	9547	9578	9727	9877	9897	10851
D	491	868	2073	3757	2910	7014	10051	4034	4539	4511	5628	5988	5797	7249	7640	7671	9513	9542	9691	9843	9862	10813
E	428	794	2004	3678	2830	6942	9984	4014	4518	4482	5547	5907	5719	7187	7580	7614	9442	9475	9625	9771	9792	10753
F	375	743	1952	3628	2781	6890	9931	3966	4470	4433	5498	5858	5669	7134	7527	7561	9390	9422	9573	9719	9740	10700
G	327	667	1881	3543	2694	6813	9860	3953	4457	4409	5409	5770	5584	7070	7465	7503	9314	9351	9504	9641	9666	10638
H	291	635	1849	3515	2666	6782	9828	3917	4421	4373	5382	5742	5555	7037	7431	7468	9282	9318	9471	9610	9634	10604
I	481	683	1868	3460	2609	6754	9823	4088	4589	4518	5307	5666	5496	7059	7459	7510	9258	9311	9474	9578	9616	10631
J	454	674	1865	3468	2617	6759	9825	4069	4570	4502	5317	5677	5505	7059	7457	7507	9263	9314	9475	9584	9620	10630

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

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LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

...continued from previous page

WTG																						
NSA	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
AA	7764	8113	2889	2598	2376	2250	2085	1255	974	791	833	2877	3898	4315	3116	2282	2044	1807	1284	1725	6921	1882
AB	7759	8106	2901	2611	2391	2262	2092	1262	973	770	817	2891	3899	4311	3103	2301	2044	1813	1289	1725	6915	1896
AC	7620	7963	3046	2755	2532	2407	2236	1404	1098	718	680	2855	3775	4175	2959	2422	1921	1720	1189	1852	6774	2039
AD	7628	7969	3043	2754	2532	2404	2231	1398	1087	703	677	2872	3787	4184	2961	2428	1933	1735	1204	1842	6781	2038
AE	7137	7483	3502	3198	2961	2865	2713	1885	1574	874	420	2643	3312	3693	2528	2759	1462	1350	817	2329	6292	2482
AF	7166	7503	3496	3197	2964	2858	2696	1864	1538	805	361	2715	3359	3726	2522	2783	1513	1417	885	2293	6316	2481
AG	4560	4910	6037	5710	5446	5411	5292	4468	4139	3131	2540	3073	1285	1174	1144	5041	1389	1994	2189	4888	3709	5005
AH	4521	4868	6079	5752	5488	5453	5333	4509	4178	3167	2577	3109	1284	1142	1141	5084	1432	2036	2232	4927	3668	5048
AI	4686	4987	5981	5661	5404	5349	5211	4380	4030	2986	2414	3222	1546	1370	886	5038	1430	2050	2183	4773	3809	4951
AJ	4494	4742	6262	5948	5696	5627	5473	4637	4270	3191	2646	3552	1703	1331	764	5352	1764	2386	2501	5005	3591	5235
AK	4444	4694	6307	5993	5740	5673	5520	4685	4318	3240	2694	3571	1684	1291	800	5393	1797	2418	2540	5053	3542	5280
AL	804	1474	9721	9378	9098	9111	9025	8212	7896	6873	6295	5899	3321	2657	4313	8578	4993	5483	5833	8646	480	8692
AM	764	1404	9769	9427	9147	9158	9069	8255	7935	6908	6332	5962	3378	2704	4336	8631	5041	5534	5880	8685	429	8740
AN	678	1363	9850	9507	9227	9239	9152	8339	8021	6995	6419	6026	3449	2785	4425	8707	5121	5611	5961	8771	484	8821
AO	686	1345	9847	9504	9225	9235	9147	8333	8013	6985	6410	6033	3453	2782	4410	8707	5118	5611	5958	8763	451	8817
AP	7149	7901	4848	4492	4199	4489	4715	4314	4426	4412	3977	1012	3359	4272	4886	3354	2986	4426	2873	4965	6667	4111
AQ	7149	7898	4812	4456	4162	4451	4676	4273	4384	4371	3937	977	3346	4258	4856	3319	2953	2461	2834	4924	6662	4072
AR	7629	8359	4401	4054	3767	4082	4339	4009	4172	4294	3920	1196	3754	4653	5075	2909	3135	2583	2876	4656	7116	3724
AS	7599	8325	4380	4031	3744	4055	4308	3971	4130	4245	3869	1148	3714	4612	5024	2887	3084	2531	2824	4618	7081	3694
AT	6718	7347	4246	3878	3573	3762	3886	3324	3333	3149	2678	353	2652	3485	3684	2841	1740	1197	1560	3964	6090	3341
AU	7671	8365	4048	3695	3405	3708	3955	3615	3779	3927	3574	1071	3707	4584	4849	2554	2901	2319	2564	4262	7114	3343

WTG			
NSA	45	46	47
A	1841	2266	2155
B	1795	2220	2107
C	1692	2117	1984
D	1647	2072	1943
E	1617	2042	1894
F	1567	1992	1841
G	1548	1970	1797
H	1512	1933	1761
I	1683	2094	1866
J	1663	2076	1854
K	1470	1850	1562
L	1428	1811	1526
M	1491	1797	1421
N	1449	1760	1388
O	1390	1701	1331
P	1374	1685	1317
Q	1347	1647	1269
R	1319	1622	1249
S	1402	1682	1288
T	1360	1639	1245
U	1082	951	596
V	1050	933	566
W	2032	1871	1547
X	2060	1909	1576
Y	2152	1963	1665
Z	2201	2018	1714
AA	2186	1983	1700
AB	2202	2002	1716
AC	2339	2127	1853
AD	2341	2132	1855
AE	2743	2488	2263
AF	2752	2507	2271
AG	5178	4843	4730
AH	5221	4886	4773
AI	5148	4826	4690
AJ	5447	5133	4984
AK	5490	5175	5028
AL	8804	8431	8387
AM	8854	8483	8436
AN	8933	8560	8516
AO	8931	8559	8514
AP	3861	3449	3738

To be continued on next page...

Project:

8 VE Āilutēs r.triukōmas

Description:

ĀĀtuoniō vējo elektriniō (Āilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Main Result

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

...continued from previous page

WTG

NSA	45	46	47
AQ	3824	3411	3699
AR	3435	3035	3358
AS	3410	3008	3328
AT	3234	2810	2967
AU	3069	2663	2975

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

Assumptions

Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: User defined (1)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	715	726	33,08	106,0	0,00	68,22	-	-	0,00	0,00	-
10	4.700	4.701	10,47	106,0	0,00	84,44	-	-	0,00	0,00	-
11	5.850	5.851	7,65	106,0	0,00	86,35	-	-	0,00	0,00	-
12	6.210	6.211	6,88	106,0	0,00	86,86	-	-	0,00	0,00	-
13	6.021	6.022	7,28	106,0	0,00	86,59	-	-	0,00	0,00	-
14	7.469	7.470	4,53	106,0	0,00	88,47	-	-	0,00	0,00	-
15	7.860	7.861	3,89	106,0	0,00	88,91	-	-	0,00	0,00	-
16	7.889	7.889	3,85	106,0	0,00	88,94	-	-	0,00	0,00	-
17	9.737	9.738	1,22	106,0	0,00	90,77	-	-	0,00	0,00	-
18	9.766	9.767	1,18	106,0	0,00	90,79	-	-	0,00	0,00	-
19	9.913	9.914	1,00	106,0	0,00	90,93	-	-	0,00	0,00	-
2	1.093	1.100	27,95	106,0	0,00	71,83	-	-	0,00	0,00	-
20	10.068	10.069	0,81	106,0	0,00	91,06	-	-	0,00	0,00	-
21	10.086	10.087	0,78	106,0	0,00	91,08	-	-	0,00	0,00	-
22	11.032	11.033	-0,32	106,0	0,00	91,85	-	-	0,00	0,00	-
23	11.304	11.305	-0,62	106,0	0,00	92,07	-	-	0,00	0,00	-
24	11.700	11.701	-1,04	106,0	0,00	92,36	-	-	0,00	0,00	-
25	828	832	30,62	104,5	0,00	69,40	-	-	0,00	0,00	-
26	1.196	1.199	26,45	104,5	0,00	72,58	-	-	0,00	0,00	-
27	1.501	1.503	23,79	104,5	0,00	74,54	-	-	0,00	0,00	-
28	1.392	1.394	24,68	104,5	0,00	73,88	-	-	0,00	0,00	-
29	1.527	1.529	23,58	104,5	0,00	74,69	-	-	0,00	0,00	-
3	2.297	2.300	18,36	106,0	0,00	78,24	-	-	0,00	0,00	-
30	2.366	2.368	18,21	104,5	0,00	78,49	-	-	0,00	0,00	-
31	2.797	2.798	16,21	104,5	0,00	79,94	-	-	0,00	0,00	-
32	3.967	3.968	12,04	104,5	0,00	82,97	-	-	0,00	0,00	-
33	4.382	4.383	10,84	104,5	0,00	83,83	-	-	0,00	0,00	-
34	5.335	5.336	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
35	7.292	7.293	4,84	104,5	0,00	88,26	-	-	0,00	0,00	-
36	7.843	7.844	4,01	104,5	0,00	88,89	-	-	0,00	0,00	-
37	6.682	6.684	6,82	106,0	0,00	87,50	-	-	0,00	0,00	-
38	2.300	2.305	20,05	106,0	0,00	78,25	-	-	0,00	0,00	-
39	5.509	5.511	9,03	106,0	0,00	85,83	-	-	0,00	0,00	-
4	3.980	3.983	11,10	106,0	0,00	83,00	-	-	0,00	0,00	-
40	5.068	5.070	10,01	106,0	0,00	85,10	-	-	0,00	0,00	-
41	4.671	4.673	10,96	106,0	0,00	84,39	-	-	0,00	0,00	-
42	2.191	2.196	20,66	106,0	0,00	77,83	-	-	0,00	0,00	-
43	10.493	10.494	0,71	104,5	0,00	91,42	-	-	0,00	0,00	-
44	1.817	1.823	21,46	104,5	0,00	76,22	-	-	0,00	0,00	-
45	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
46	2.266	2.271	18,73	104,5	0,00	78,12	-	-	0,00	0,00	-
47	2.155	2.160	19,36	104,5	0,00	77,69	-	-	0,00	0,00	-
5	3.133	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
6	7.239	7.240	4,47	106,0	0,00	88,20	-	-	0,00	0,00	-
7	10.274	10.275	0,82	106,0	0,00	91,24	-	-	0,00	0,00	-
8	4.211	4.212	11,89	106,0	0,00	83,49	-	-	0,00	0,00	-
9	4.716	4.717	10,42	106,0	0,00	84,47	-	-	0,00	0,00	-
Sum			37,80								

- Data undefined due to calculation with octave data

Noise sensitive area: B Noise sensitive point: User defined (2)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	666	678	33,90	106,0	0,00	67,62	-	-	0,00	0,00	-
10	4.655	4.656	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
11	5.803	5.804	7,75	106,0	0,00	86,28	-	-	0,00	0,00	-
12	6.163	6.164	6,98	106,0	0,00	86,80	-	-	0,00	0,00	-
13	5.973	5.974	7,38	106,0	0,00	86,53	-	-	0,00	0,00	-
14	7.420	7.421	4,62	106,0	0,00	88,41	-	-	0,00	0,00	-
15	7.811	7.812	3,97	106,0	0,00	88,86	-	-	0,00	0,00	-
16	7.840	7.840	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
17	9.688	9.689	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
18	9.717	9.718	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
19	9.864	9.865	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
2	1.044	1.052	28,51	106,0	0,00	71,44	-	-	0,00	0,00	-
20	10.019	10.020	0,87	106,0	0,00	91,02	-	-	0,00	0,00	-
21	10.038	10.038	0,84	106,0	0,00	91,03	-	-	0,00	0,00	-
22	10.983	10.984	-0,26	106,0	0,00	91,82	-	-	0,00	0,00	-
23	11.255	11.255	-0,56	106,0	0,00	92,03	-	-	0,00	0,00	-
24	11.651	11.652	-0,99	106,0	0,00	92,33	-	-	0,00	0,00	-
25	781	785	31,25	104,5	0,00	68,90	-	-	0,00	0,00	-
26	1.150	1.152	26,91	104,5	0,00	72,23	-	-	0,00	0,00	-
27	1.454	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
28	1.342	1.345	25,11	104,5	0,00	73,57	-	-	0,00	0,00	-
29	1.480	1.482	23,96	104,5	0,00	74,41	-	-	0,00	0,00	-
3	2.248	2.251	18,65	106,0	0,00	78,05	-	-	0,00	0,00	-
30	2.319	2.320	18,46	104,5	0,00	78,31	-	-	0,00	0,00	-
31	2.751	2.752	16,41	104,5	0,00	79,79	-	-	0,00	0,00	-
32	3.921	3.922	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
33	4.334	4.335	10,97	104,5	0,00	83,74	-	-	0,00	0,00	-
34	5.290	5.290	8,60	104,5	0,00	85,47	-	-	0,00	0,00	-
35	7.243	7.244	4,92	104,5	0,00	88,20	-	-	0,00	0,00	-
36	7.794	7.795	4,08	104,5	0,00	88,84	-	-	0,00	0,00	-
37	6.634	6.636	6,90	106,0	0,00	87,44	-	-	0,00	0,00	-
38	2.257	2.262	20,29	106,0	0,00	78,09	-	-	0,00	0,00	-
39	5.460	5.462	9,14	106,0	0,00	85,75	-	-	0,00	0,00	-
4	3.933	3.935	11,25	106,0	0,00	82,90	-	-	0,00	0,00	-
40	5.019	5.021	10,12	106,0	0,00	85,02	-	-	0,00	0,00	-
41	4.622	4.624	11,08	106,0	0,00	84,30	-	-	0,00	0,00	-
42	2.148	2.153	20,90	106,0	0,00	77,66	-	-	0,00	0,00	-
43	10.444	10.445	0,76	104,5	0,00	91,38	-	-	0,00	0,00	-
44	1.768	1.774	21,79	104,5	0,00	75,98	-	-	0,00	0,00	-
45	1.795	1.801	21,61	104,5	0,00	76,11	-	-	0,00	0,00	-
46	2.220	2.225	18,99	104,5	0,00	77,95	-	-	0,00	0,00	-
47	2.107	2.112	19,64	104,5	0,00	77,49	-	-	0,00	0,00	-
5	3.086	3.088	14,45	106,0	0,00	80,79	-	-	0,00	0,00	-
6	7.190	7.192	4,54	106,0	0,00	88,14	-	-	0,00	0,00	-
7	10.225	10.226	0,87	106,0	0,00	91,19	-	-	0,00	0,00	-
8	4.168	4.169	12,02	106,0	0,00	83,40	-	-	0,00	0,00	-
9	4.673	4.674	10,54	106,0	0,00	84,39	-	-	0,00	0,00	-
Sum			38,39								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: C Noise sensitive point: User defined (4)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	527	542	36,51	106,0	0,00	65,69	-	-	0,00	0,00	-
10	4.556	4.558	10,87	106,0	0,00	84,17	-	-	0,00	0,00	-
11	5.656	5.657	8,08	106,0	0,00	86,05	-	-	0,00	0,00	-
12	6.016	6.017	7,29	106,0	0,00	86,59	-	-	0,00	0,00	-
13	5.827	5.828	7,70	106,0	0,00	86,31	-	-	0,00	0,00	-
14	7.287	7.288	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
15	7.679	7.680	4,18	106,0	0,00	88,71	-	-	0,00	0,00	-
16	7.710	7.711	4,13	106,0	0,00	88,74	-	-	0,00	0,00	-
17	9.547	9.547	1,46	106,0	0,00	90,60	-	-	0,00	0,00	-
18	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
19	9.727	9.728	1,23	106,0	0,00	90,76	-	-	0,00	0,00	-
2	900	909	30,33	106,0	0,00	70,17	-	-	0,00	0,00	-
20	9.877	9.877	1,04	106,0	0,00	90,89	-	-	0,00	0,00	-
21	9.897	9.898	1,02	106,0	0,00	90,91	-	-	0,00	0,00	-
22	10.851	10.852	-0,12	106,0	0,00	91,71	-	-	0,00	0,00	-
23	11.118	11.119	-0,41	106,0	0,00	91,92	-	-	0,00	0,00	-
24	11.510	11.511	-0,84	106,0	0,00	92,22	-	-	0,00	0,00	-
25	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
26	1.045	1.048	28,00	104,5	0,00	71,41	-	-	0,00	0,00	-
27	1.349	1.351	25,05	104,5	0,00	73,61	-	-	0,00	0,00	-
28	1.210	1.213	26,32	104,5	0,00	72,67	-	-	0,00	0,00	-
29	1.333	1.335	25,19	104,5	0,00	73,51	-	-	0,00	0,00	-
3	2.108	2.112	19,50	106,0	0,00	77,49	-	-	0,00	0,00	-
30	2.172	2.174	19,28	104,5	0,00	77,74	-	-	0,00	0,00	-
31	2.602	2.604	17,06	104,5	0,00	79,31	-	-	0,00	0,00	-
32	3.773	3.774	12,64	104,5	0,00	82,54	-	-	0,00	0,00	-
33	4.188	4.189	11,38	104,5	0,00	83,44	-	-	0,00	0,00	-
34	5.185	5.186	8,83	104,5	0,00	85,30	-	-	0,00	0,00	-
35	7.113	7.113	5,13	104,5	0,00	88,04	-	-	0,00	0,00	-
36	7.657	7.658	4,28	104,5	0,00	88,68	-	-	0,00	0,00	-
37	6.488	6.490	7,16	106,0	0,00	87,24	-	-	0,00	0,00	-
38	2.171	2.176	20,77	106,0	0,00	77,75	-	-	0,00	0,00	-
39	5.325	5.327	9,43	106,0	0,00	85,53	-	-	0,00	0,00	-
4	3.786	3.789	11,74	106,0	0,00	82,57	-	-	0,00	0,00	-
40	4.889	4.891	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
41	4.487	4.489	11,44	106,0	0,00	84,04	-	-	0,00	0,00	-
42	2.001	2.006	21,78	106,0	0,00	77,05	-	-	0,00	0,00	-
43	10.305	10.305	0,91	104,5	0,00	91,26	-	-	0,00	0,00	-
44	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
45	1.692	1.698	22,32	104,5	0,00	75,60	-	-	0,00	0,00	-
46	2.117	2.122	19,58	104,5	0,00	77,53	-	-	0,00	0,00	-
47	1.984	1.989	20,38	104,5	0,00	76,97	-	-	0,00	0,00	-
5	2.939	2.941	15,10	106,0	0,00	80,37	-	-	0,00	0,00	-
6	7.048	7.049	4,75	106,0	0,00	87,96	-	-	0,00	0,00	-
7	10.087	10.088	1,01	106,0	0,00	91,08	-	-	0,00	0,00	-
8	4.079	4.081	12,29	106,0	0,00	83,21	-	-	0,00	0,00	-
9	4.584	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
Sum			40,18								

- Data undefined due to calculation with octave data

Noise sensitive area: D Noise sensitive point: User defined (5)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	491	507	37,28	106,0	0,00	65,11	-	-	0,00	0,00	-
10	4.511	4.513	11,00	106,0	0,00	84,09	-	-	0,00	0,00	-
11	5.628	5.629	8,14	106,0	0,00	86,01	-	-	0,00	0,00	-
12	5.988	5.989	7,35	106,0	0,00	86,55	-	-	0,00	0,00	-
13	5.797	5.798	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
14	7.249	7.250	4,91	106,0	0,00	88,21	-	-	0,00	0,00	-
15	7.640	7.641	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
16	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	9.513	9.514	1,51	106,0	0,00	90,57	-	-	0,00	0,00	-
18	9.542	9.543	1,47	106,0	0,00	90,59	-	-	0,00	0,00	-
19	9.691	9.691	1,28	106,0	0,00	90,73	-	-	0,00	0,00	-
2	868	878	30,77	106,0	0,00	69,87	-	-	0,00	0,00	-
20	9.843	9.844	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
21	9.862	9.863	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
22	10.813	10.813	-0,07	106,0	0,00	91,68	-	-	0,00	0,00	-
23	11.081	11.082	-0,37	106,0	0,00	91,89	-	-	0,00	0,00	-
24	11.476	11.476	-0,80	106,0	0,00	92,20	-	-	0,00	0,00	-
25	635	640	33,51	104,5	0,00	67,12	-	-	0,00	0,00	-
26	1.001	1.004	28,49	104,5	0,00	71,03	-	-	0,00	0,00	-
27	1.305	1.307	25,44	104,5	0,00	73,32	-	-	0,00	0,00	-
28	1.171	1.174	26,69	104,5	0,00	72,39	-	-	0,00	0,00	-
29	1.304	1.306	25,45	104,5	0,00	73,32	-	-	0,00	0,00	-
3	2.073	2.077	19,72	106,0	0,00	77,35	-	-	0,00	0,00	-
30	2.143	2.144	19,45	104,5	0,00	77,63	-	-	0,00	0,00	-
31	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
32	3.747	3.748	12,72	104,5	0,00	82,48	-	-	0,00	0,00	-
33	4.158	4.159	11,47	104,5	0,00	83,38	-	-	0,00	0,00	-
34	5.141	5.142	8,94	104,5	0,00	85,22	-	-	0,00	0,00	-
35	7.074	7.074	5,20	104,5	0,00	87,99	-	-	0,00	0,00	-
36	7.621	7.621	4,34	104,5	0,00	88,64	-	-	0,00	0,00	-
37	6.459	6.461	7,21	106,0	0,00	87,21	-	-	0,00	0,00	-
38	2.125	2.130	21,04	106,0	0,00	77,57	-	-	0,00	0,00	-
39	5.287	5.290	9,51	106,0	0,00	85,47	-	-	0,00	0,00	-
4	3.757	3.759	11,85	106,0	0,00	82,50	-	-	0,00	0,00	-
40	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
41	4.449	4.452	11,55	106,0	0,00	83,97	-	-	0,00	0,00	-
42	1.983	1.989	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
43	10.270	10.270	0,95	104,5	0,00	91,23	-	-	0,00	0,00	-
44	1.599	1.605	23,00	104,5	0,00	75,11	-	-	0,00	0,00	-
45	1.647	1.653	22,64	104,5	0,00	75,37	-	-	0,00	0,00	-
46	2.072	2.077	19,84	104,5	0,00	77,35	-	-	0,00	0,00	-
47	1.943	1.948	20,64	104,5	0,00	76,79	-	-	0,00	0,00	-
5	2.910	2.913	15,23	106,0	0,00	80,29	-	-	0,00	0,00	-
6	7.014	7.016	4,80	106,0	0,00	87,92	-	-	0,00	0,00	-
7	10.051	10.052	1,05	106,0	0,00	91,05	-	-	0,00	0,00	-
8	4.034	4.035	12,44	106,0	0,00	83,12	-	-	0,00	0,00	-
9	4.539	4.540	10,92	106,0	0,00	84,14	-	-	0,00	0,00	-
Sum			40,79								

- Data undefined due to calculation with octave data

Noise sensitive area: E Noise sensitive point: User defined (6)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	428	446	38,73	106,0	0,00	64,00	-	-	0,00	0,00	-
10	4.482	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
11	5.547	5.548	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
12	5.907	5.908	7,52	106,0	0,00	86,43	-	-	0,00	0,00	-
13	5.719	5.720	7,94	106,0	0,00	86,15	-	-	0,00	0,00	-
14	7.187	7.188	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
15	7.580	7.581	4,35	106,0	0,00	88,59	-	-	0,00	0,00	-
16	7.614	7.615	4,29	106,0	0,00	88,63	-	-	0,00	0,00	-
17	9.442	9.442	1,60	106,0	0,00	90,50	-	-	0,00	0,00	-
18	9.475	9.475	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
19	9.625	9.626	1,36	106,0	0,00	90,67	-	-	0,00	0,00	-
2	794	804	31,84	106,0	0,00	69,11	-	-	0,00	0,00	-
20	9.771	9.771	1,18	106,0	0,00	90,80	-	-	0,00	0,00	-
21	9.792	9.793	1,15	106,0	0,00	90,82	-	-	0,00	0,00	-
22	10.753	10.754	0,00	106,0	0,00	91,63	-	-	0,00	0,00	-
23	11.016	11.017	-0,30	106,0	0,00	91,84	-	-	0,00	0,00	-
24	11.406	11.406	-0,73	106,0	0,00	92,14	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	614	619	33,86	104,5	0,00	66,84	-	-	0,00	0,00	-
26	973	976	28,81	104,5	0,00	70,79	-	-	0,00	0,00	-
27	1.274	1.276	25,72	104,5	0,00	73,12	-	-	0,00	0,00	-
28	1.114	1.116	27,28	104,5	0,00	71,95	-	-	0,00	0,00	-
29	1.225	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
3	2.004	2.008	20,16	106,0	0,00	77,06	-	-	0,00	0,00	-
30	2.064	2.066	19,91	104,5	0,00	77,30	-	-	0,00	0,00	-
31	2.493	2.495	17,56	104,5	0,00	78,94	-	-	0,00	0,00	-
32	3.664	3.665	12,99	104,5	0,00	82,28	-	-	0,00	0,00	-
33	4.080	4.081	11,70	104,5	0,00	83,22	-	-	0,00	0,00	-
34	5.107	5.108	9,01	104,5	0,00	85,17	-	-	0,00	0,00	-
35	7.016	7.016	5,29	104,5	0,00	87,92	-	-	0,00	0,00	-
36	7.556	7.556	4,44	104,5	0,00	88,57	-	-	0,00	0,00	-
37	6.379	6.381	7,35	106,0	0,00	87,10	-	-	0,00	0,00	-
38	2.108	2.114	21,13	106,0	0,00	77,50	-	-	0,00	0,00	-
39	5.224	5.226	9,65	106,0	0,00	85,36	-	-	0,00	0,00	-
4	3.678	3.681	12,13	106,0	0,00	82,32	-	-	0,00	0,00	-
40	4.792	4.794	10,66	106,0	0,00	84,61	-	-	0,00	0,00	-
41	4.386	4.389	11,73	106,0	0,00	83,85	-	-	0,00	0,00	-
42	1.893	1.899	22,46	106,0	0,00	76,57	-	-	0,00	0,00	-
43	10.201	10.202	1,02	104,5	0,00	91,17	-	-	0,00	0,00	-
44	1.544	1.550	23,42	104,5	0,00	74,81	-	-	0,00	0,00	-
45	1.617	1.623	22,87	104,5	0,00	75,21	-	-	0,00	0,00	-
46	2.042	2.047	20,03	104,5	0,00	77,22	-	-	0,00	0,00	-
47	1.894	1.899	20,95	104,5	0,00	76,57	-	-	0,00	0,00	-
5	2.830	2.833	15,60	106,0	0,00	80,05	-	-	0,00	0,00	-
6	6.942	6.943	4,91	106,0	0,00	87,83	-	-	0,00	0,00	-
7	9.984	9.985	1,12	106,0	0,00	90,99	-	-	0,00	0,00	-
8	4.014	4.015	12,50	106,0	0,00	83,07	-	-	0,00	0,00	-
9	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
Sum			41,74								

- Data undefined due to calculation with octave data

Noise sensitive area: F Noise sensitive point: User defined (7)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	375	396	40,05	106,0	0,00	62,96	-	-	0,00	0,00	-
10	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
11	5.498	5.500	8,44	106,0	0,00	85,81	-	-	0,00	0,00	-
12	5.858	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
13	5.669	5.670	8,05	106,0	0,00	86,07	-	-	0,00	0,00	-
14	7.134	7.135	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
15	7.527	7.528	4,44	106,0	0,00	88,53	-	-	0,00	0,00	-
16	7.561	7.562	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
17	9.390	9.391	1,67	106,0	0,00	90,45	-	-	0,00	0,00	-
18	9.422	9.423	1,63	106,0	0,00	90,48	-	-	0,00	0,00	-
19	9.573	9.573	1,43	106,0	0,00	90,62	-	-	0,00	0,00	-
2	743	754	32,63	106,0	0,00	68,54	-	-	0,00	0,00	-
20	9.719	9.720	1,24	106,0	0,00	90,75	-	-	0,00	0,00	-
21	9.740	9.741	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
22	10.700	10.701	0,06	106,0	0,00	91,59	-	-	0,00	0,00	-
23	10.964	10.964	-0,24	106,0	0,00	91,80	-	-	0,00	0,00	-
24	11.354	11.354	-0,67	106,0	0,00	92,10	-	-	0,00	0,00	-
25	569	574	34,68	104,5	0,00	66,18	-	-	0,00	0,00	-
26	924	927	29,39	104,5	0,00	70,34	-	-	0,00	0,00	-
27	1.224	1.227	26,18	104,5	0,00	72,78	-	-	0,00	0,00	-
28	1.061	1.063	27,83	104,5	0,00	71,53	-	-	0,00	0,00	-
29	1.175	1.178	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
3	1.952	1.956	20,51	106,0	0,00	76,83	-	-	0,00	0,00	-
30	2.014	2.016	20,22	104,5	0,00	77,09	-	-	0,00	0,00	-
31	2.446	2.447	17,79	104,5	0,00	78,77	-	-	0,00	0,00	-
32	3.616	3.617	13,15	104,5	0,00	82,17	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	4.030	4.031	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
34	5.057	5.057	9,13	104,5	0,00	85,08	-	-	0,00	0,00	-
35	6.963	6.963	5,38	104,5	0,00	87,86	-	-	0,00	0,00	-
36	7.503	7.504	4,52	104,5	0,00	88,51	-	-	0,00	0,00	-
37	6.330	6.332	7,44	106,0	0,00	87,03	-	-	0,00	0,00	-
38	2.062	2.067	21,41	106,0	0,00	77,31	-	-	0,00	0,00	-
39	5.171	5.173	9,77	106,0	0,00	85,28	-	-	0,00	0,00	-
4	3.628	3.631	12,30	106,0	0,00	82,20	-	-	0,00	0,00	-
40	4.739	4.741	10,79	106,0	0,00	84,52	-	-	0,00	0,00	-
41	4.334	4.336	11,89	106,0	0,00	83,74	-	-	0,00	0,00	-
42	1.852	1.857	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
43	10.149	10.149	1,08	104,5	0,00	91,13	-	-	0,00	0,00	-
44	1.491	1.497	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
45	1.567	1.574	23,24	104,5	0,00	74,94	-	-	0,00	0,00	-
46	1.992	1.997	20,34	104,5	0,00	77,01	-	-	0,00	0,00	-
47	1.841	1.847	21,30	104,5	0,00	76,33	-	-	0,00	0,00	-
5	2.781	2.784	15,83	106,0	0,00	79,89	-	-	0,00	0,00	-
6	6.890	6.892	4,99	106,0	0,00	87,77	-	-	0,00	0,00	-
7	9.931	9.932	1,17	106,0	0,00	90,94	-	-	0,00	0,00	-
8	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
9	4.470	4.471	11,11	106,0	0,00	84,01	-	-	0,00	0,00	-
Sum			42,74								

- Data undefined due to calculation with octave data

Noise sensitive area: G Noise sensitive point: User defined (8)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	327	351	41,38	106,0	0,00	61,90	-	-	0,00	0,00	-
10	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
11	5.409	5.411	8,65	106,0	0,00	85,67	-	-	0,00	0,00	-
12	5.770	5.771	7,82	106,0	0,00	86,22	-	-	0,00	0,00	-
13	5.584	5.585	8,25	106,0	0,00	85,94	-	-	0,00	0,00	-
14	7.070	7.071	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
15	7.465	7.466	4,54	106,0	0,00	88,46	-	-	0,00	0,00	-
16	7.503	7.503	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
17	9.314	9.314	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
18	9.351	9.351	1,72	106,0	0,00	90,42	-	-	0,00	0,00	-
19	9.504	9.504	1,52	106,0	0,00	90,56	-	-	0,00	0,00	-
2	667	679	33,88	106,0	0,00	67,64	-	-	0,00	0,00	-
20	9.641	9.642	1,34	106,0	0,00	90,68	-	-	0,00	0,00	-
21	9.666	9.666	1,31	106,0	0,00	90,71	-	-	0,00	0,00	-
22	10.638	10.639	0,13	106,0	0,00	91,54	-	-	0,00	0,00	-
23	10.895	10.896	-0,17	106,0	0,00	91,75	-	-	0,00	0,00	-
24	11.278	11.279	-0,59	106,0	0,00	92,05	-	-	0,00	0,00	-
25	575	580	34,56	104,5	0,00	66,27	-	-	0,00	0,00	-
26	913	916	29,53	104,5	0,00	70,24	-	-	0,00	0,00	-
27	1.206	1.209	26,35	104,5	0,00	72,65	-	-	0,00	0,00	-
28	1.007	1.010	28,42	104,5	0,00	71,09	-	-	0,00	0,00	-
29	1.090	1.093	27,52	104,5	0,00	71,77	-	-	0,00	0,00	-
3	1.881	1.886	20,99	106,0	0,00	76,51	-	-	0,00	0,00	-
30	1.930	1.931	20,75	104,5	0,00	76,72	-	-	0,00	0,00	-
31	2.354	2.355	18,27	104,5	0,00	78,44	-	-	0,00	0,00	-
32	3.524	3.525	13,46	104,5	0,00	81,94	-	-	0,00	0,00	-
33	3.945	3.946	12,10	104,5	0,00	82,92	-	-	0,00	0,00	-
34	5.027	5.028	9,20	104,5	0,00	85,03	-	-	0,00	0,00	-
35	6.903	6.904	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
36	7.435	7.435	4,62	104,5	0,00	88,43	-	-	0,00	0,00	-
37	6.243	6.245	7,59	106,0	0,00	86,91	-	-	0,00	0,00	-
38	2.057	2.062	21,44	106,0	0,00	77,29	-	-	0,00	0,00	-
39	5.105	5.107	9,92	106,0	0,00	85,16	-	-	0,00	0,00	-
4	3.543	3.546	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
40	4.681	4.683	10,93	106,0	0,00	84,41	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	4.269	4.271	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
42	1.750	1.756	23,42	106,0	0,00	75,89	-	-	0,00	0,00	-
43	10.077	10.077	1,16	104,5	0,00	91,07	-	-	0,00	0,00	-
44	1.439	1.445	24,25	104,5	0,00	74,20	-	-	0,00	0,00	-
45	1.548	1.554	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
46	1.970	1.975	20,47	104,5	0,00	76,91	-	-	0,00	0,00	-
47	1.797	1.802	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
5	2.694	2.697	16,25	106,0	0,00	79,62	-	-	0,00	0,00	-
6	6.813	6.814	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
7	9.860	9.861	1,25	106,0	0,00	90,88	-	-	0,00	0,00	-
8	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
9	4.457	4.458	11,15	106,0	0,00	83,98	-	-	0,00	0,00	-
Sum			43,67								

- Data undefined due to calculation with octave data

Noise sensitive area: H Noise sensitive point: User defined (9)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	291	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
10	4.373	4.374	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
11	5.382	5.384	8,72	106,0	0,00	85,62	-	-	0,00	0,00	-
12	5.742	5.744	7,89	106,0	0,00	86,18	-	-	0,00	0,00	-
13	5.555	5.556	8,31	106,0	0,00	85,90	-	-	0,00	0,00	-
14	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
15	7.431	7.432	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
16	7.468	7.469	4,54	106,0	0,00	88,47	-	-	0,00	0,00	-
17	9.282	9.283	1,81	106,0	0,00	90,35	-	-	0,00	0,00	-
18	9.318	9.319	1,76	106,0	0,00	90,39	-	-	0,00	0,00	-
19	9.471	9.472	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
2	635	648	34,44	106,0	0,00	67,23	-	-	0,00	0,00	-
20	9.610	9.611	1,38	106,0	0,00	90,66	-	-	0,00	0,00	-
21	9.634	9.635	1,35	106,0	0,00	90,68	-	-	0,00	0,00	-
22	10.604	10.605	0,17	106,0	0,00	91,51	-	-	0,00	0,00	-
23	10.863	10.863	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
24	11.247	11.248	-0,56	106,0	0,00	92,02	-	-	0,00	0,00	-
25	542	548	35,19	104,5	0,00	65,77	-	-	0,00	0,00	-
26	877	881	29,98	104,5	0,00	69,89	-	-	0,00	0,00	-
27	1.170	1.173	26,70	104,5	0,00	72,39	-	-	0,00	0,00	-
28	972	975	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
29	1.061	1.064	27,83	104,5	0,00	71,54	-	-	0,00	0,00	-
3	1.849	1.853	21,22	106,0	0,00	76,36	-	-	0,00	0,00	-
30	1.901	1.902	20,93	104,5	0,00	76,59	-	-	0,00	0,00	-
31	2.328	2.329	18,41	104,5	0,00	78,35	-	-	0,00	0,00	-
32	3.498	3.499	13,54	104,5	0,00	81,88	-	-	0,00	0,00	-
33	3.917	3.918	12,19	104,5	0,00	82,86	-	-	0,00	0,00	-
34	4.991	4.992	9,29	104,5	0,00	84,97	-	-	0,00	0,00	-
35	6.869	6.869	5,54	104,5	0,00	87,74	-	-	0,00	0,00	-
36	7.402	7.402	4,67	104,5	0,00	88,39	-	-	0,00	0,00	-
37	6.215	6.217	7,65	106,0	0,00	86,87	-	-	0,00	0,00	-
38	2.021	2.027	21,66	106,0	0,00	77,14	-	-	0,00	0,00	-
39	5.072	5.074	10,00	106,0	0,00	85,11	-	-	0,00	0,00	-
4	3.515	3.517	12,72	106,0	0,00	81,92	-	-	0,00	0,00	-
40	4.646	4.649	11,02	106,0	0,00	84,35	-	-	0,00	0,00	-
41	4.235	4.238	12,19	106,0	0,00	83,54	-	-	0,00	0,00	-
42	1.730	1.737	23,55	106,0	0,00	75,79	-	-	0,00	0,00	-
43	10.045	10.045	1,20	104,5	0,00	91,04	-	-	0,00	0,00	-
44	1.403	1.410	24,54	104,5	0,00	73,99	-	-	0,00	0,00	-
45	1.512	1.518	23,67	104,5	0,00	74,63	-	-	0,00	0,00	-
46	1.933	1.939	20,70	104,5	0,00	76,75	-	-	0,00	0,00	-
47	1.761	1.767	21,84	104,5	0,00	75,94	-	-	0,00	0,00	-
5	2.666	2.669	16,39	106,0	0,00	79,53	-	-	0,00	0,00	-
6	6.782	6.783	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	9.828	9.829	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	3.917	3.919	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
9	4.421	4.422	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
Sum			44,51								

- Data undefined due to calculation with octave data

Noise sensitive area: I Noise sensitive point: User defined (11)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	481	497	37,52	106,0	0,00	64,93	-	-	0,00	0,00	-
10	4.518	4.519	10,98	106,0	0,00	84,10	-	-	0,00	0,00	-
11	5.307	5.308	8,90	106,0	0,00	85,50	-	-	0,00	0,00	-
12	5.666	5.667	8,06	106,0	0,00	86,07	-	-	0,00	0,00	-
13	5.496	5.498	8,45	106,0	0,00	85,80	-	-	0,00	0,00	-
14	7.059	7.060	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
15	7.459	7.460	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
16	7.510	7.510	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
17	9.258	9.259	1,84	106,0	0,00	90,33	-	-	0,00	0,00	-
18	9.311	9.312	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
19	9.474	9.474	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
2	683	695	33,61	106,0	0,00	67,84	-	-	0,00	0,00	-
20	9.578	9.579	1,42	106,0	0,00	90,63	-	-	0,00	0,00	-
21	9.616	9.617	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
22	10.631	10.632	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
23	10.867	10.867	-0,13	106,0	0,00	91,72	-	-	0,00	0,00	-
24	11.226	11.227	-0,53	106,0	0,00	92,01	-	-	0,00	0,00	-
25	791	794	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
26	1.081	1.084	27,61	104,5	0,00	71,70	-	-	0,00	0,00	-
27	1.352	1.355	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
28	1.073	1.075	27,71	104,5	0,00	71,63	-	-	0,00	0,00	-
29	1.038	1.041	28,08	104,5	0,00	71,35	-	-	0,00	0,00	-
3	1.868	1.872	21,09	106,0	0,00	76,44	-	-	0,00	0,00	-
30	1.860	1.861	21,20	104,5	0,00	76,40	-	-	0,00	0,00	-
31	2.249	2.250	18,85	104,5	0,00	78,04	-	-	0,00	0,00	-
32	3.409	3.410	13,85	104,5	0,00	81,65	-	-	0,00	0,00	-
33	3.863	3.863	12,36	104,5	0,00	82,74	-	-	0,00	0,00	-
34	5.120	5.121	8,98	104,5	0,00	85,19	-	-	0,00	0,00	-
35	6.907	6.908	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
36	7.409	7.409	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
37	6.149	6.151	7,77	106,0	0,00	86,78	-	-	0,00	0,00	-
38	2.217	2.222	20,51	106,0	0,00	77,93	-	-	0,00	0,00	-
39	5.089	5.092	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
4	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
40	4.692	4.695	10,90	106,0	0,00	84,43	-	-	0,00	0,00	-
41	4.259	4.262	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
42	1.592	1.599	24,55	106,0	0,00	75,08	-	-	0,00	0,00	-
43	10.034	10.035	1,21	104,5	0,00	91,03	-	-	0,00	0,00	-
44	1.493	1.499	23,82	104,5	0,00	74,52	-	-	0,00	0,00	-
45	1.683	1.689	22,38	104,5	0,00	75,55	-	-	0,00	0,00	-
46	2.094	2.098	19,72	104,5	0,00	77,44	-	-	0,00	0,00	-
47	1.866	1.872	21,13	104,5	0,00	76,44	-	-	0,00	0,00	-
5	2.609	2.612	16,67	106,0	0,00	79,34	-	-	0,00	0,00	-
6	6.754	6.755	5,21	106,0	0,00	87,59	-	-	0,00	0,00	-
7	9.823	9.824	1,29	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.088	4.089	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
9	4.589	4.590	10,78	106,0	0,00	84,24	-	-	0,00	0,00	-
Sum			41,14								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: J Noise sensitive point: User defined (12)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	454	472	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
10	4.502	4.504	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
11	5.317	5.318	8,88	106,0	0,00	85,52	-	-	0,00	0,00	-
12	5.677	5.678	8,03	106,0	0,00	86,08	-	-	0,00	0,00	-
13	5.505	5.506	8,43	106,0	0,00	85,82	-	-	0,00	0,00	-
14	7.059	7.059	5,25	106,0	0,00	87,98	-	-	0,00	0,00	-
15	7.457	7.458	4,55	106,0	0,00	88,45	-	-	0,00	0,00	-
16	7.507	7.507	4,47	106,0	0,00	88,51	-	-	0,00	0,00	-
17	9.263	9.264	1,84	106,0	0,00	90,34	-	-	0,00	0,00	-
18	9.314	9.315	1,77	106,0	0,00	90,38	-	-	0,00	0,00	-
19	9.475	9.476	1,56	106,0	0,00	90,53	-	-	0,00	0,00	-
2	674	685	33,77	106,0	0,00	67,72	-	-	0,00	0,00	-
20	9.584	9.585	1,41	106,0	0,00	90,63	-	-	0,00	0,00	-
21	9.620	9.621	1,37	106,0	0,00	90,66	-	-	0,00	0,00	-
22	10.630	10.631	0,14	106,0	0,00	91,53	-	-	0,00	0,00	-
23	10.868	10.869	-0,14	106,0	0,00	91,72	-	-	0,00	0,00	-
24	11.231	11.231	-0,54	106,0	0,00	92,01	-	-	0,00	0,00	-
25	761	765	31,55	104,5	0,00	68,67	-	-	0,00	0,00	-
26	1.057	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
27	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
28	1.059	1.062	27,85	104,5	0,00	71,52	-	-	0,00	0,00	-
29	1.039	1.042	28,07	104,5	0,00	71,35	-	-	0,00	0,00	-
3	1.865	1.870	21,10	106,0	0,00	76,43	-	-	0,00	0,00	-
30	1.864	1.866	21,17	104,5	0,00	76,42	-	-	0,00	0,00	-
31	2.258	2.260	18,79	104,5	0,00	78,08	-	-	0,00	0,00	-
32	3.421	3.421	13,81	104,5	0,00	81,68	-	-	0,00	0,00	-
33	3.870	3.871	12,33	104,5	0,00	82,76	-	-	0,00	0,00	-
34	5.107	5.107	9,02	104,5	0,00	85,16	-	-	0,00	0,00	-
35	6.905	6.905	5,48	104,5	0,00	87,78	-	-	0,00	0,00	-
36	7.410	7.410	4,66	104,5	0,00	88,40	-	-	0,00	0,00	-
37	6.159	6.160	7,75	106,0	0,00	86,79	-	-	0,00	0,00	-
38	2.195	2.200	20,63	106,0	0,00	77,85	-	-	0,00	0,00	-
39	5.089	5.091	9,96	106,0	0,00	85,14	-	-	0,00	0,00	-
4	3.468	3.470	12,90	106,0	0,00	81,81	-	-	0,00	0,00	-
40	4.688	4.691	10,91	106,0	0,00	84,42	-	-	0,00	0,00	-
41	4.258	4.261	12,12	106,0	0,00	83,59	-	-	0,00	0,00	-
42	1.608	1.615	24,43	106,0	0,00	75,16	-	-	0,00	0,00	-
43	10.037	10.038	1,21	104,5	0,00	91,03	-	-	0,00	0,00	-
44	1.482	1.488	23,90	104,5	0,00	74,45	-	-	0,00	0,00	-
45	1.663	1.669	22,53	104,5	0,00	75,45	-	-	0,00	0,00	-
46	2.076	2.080	19,83	104,5	0,00	77,36	-	-	0,00	0,00	-
47	1.854	1.859	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	2.617	2.620	16,64	106,0	0,00	79,36	-	-	0,00	0,00	-
6	6.759	6.760	5,20	106,0	0,00	87,60	-	-	0,00	0,00	-
7	9.825	9.826	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
8	4.069	4.071	12,33	106,0	0,00	83,19	-	-	0,00	0,00	-
9	4.570	4.572	10,83	106,0	0,00	84,20	-	-	0,00	0,00	-
Sum			41,50								

- Data undefined due to calculation with octave data

Noise sensitive area: K Noise sensitive point: User defined (13)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	506	522	36,96	106,0	0,00	65,35	-	-	0,00	0,00	-
10	4.230	4.231	11,83	106,0	0,00	83,53	-	-	0,00	0,00	-
11	4.893	4.894	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
12	5.252	5.254	9,03	106,0	0,00	85,41	-	-	0,00	0,00	-
13	5.083	5.084	9,46	106,0	0,00	85,12	-	-	0,00	0,00	-
14	6.668	6.669	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
15	7.070	7.070	5,23	106,0	0,00	87,99	-	-	0,00	0,00	-
16	7.127	7.128	5,13	106,0	0,00	88,06	-	-	0,00	0,00	-

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Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiai k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	8.849	8.850	2,41	106,0	0,00	89,94	-	-	0,00	0,00	-
18	8.907	8.908	2,32	106,0	0,00	90,00	-	-	0,00	0,00	-
19	9.073	9.074	2,09	106,0	0,00	90,16	-	-	0,00	0,00	-
2	416	436	39,00	106,0	0,00	63,78	-	-	0,00	0,00	-
20	9.168	9.169	1,97	106,0	0,00	90,25	-	-	0,00	0,00	-
21	9.209	9.209	1,91	106,0	0,00	90,28	-	-	0,00	0,00	-
22	10.240	10.241	0,60	106,0	0,00	91,21	-	-	0,00	0,00	-
23	10.466	10.467	0,33	106,0	0,00	91,40	-	-	0,00	0,00	-
24	10.818	10.819	-0,08	106,0	0,00	91,68	-	-	0,00	0,00	-
25	804	808	30,94	104,5	0,00	69,14	-	-	0,00	0,00	-
26	964	967	28,91	104,5	0,00	70,71	-	-	0,00	0,00	-
27	1.173	1.175	26,68	104,5	0,00	72,40	-	-	0,00	0,00	-
28	803	807	30,95	104,5	0,00	69,14	-	-	0,00	0,00	-
29	651	656	33,23	104,5	0,00	67,34	-	-	0,00	0,00	-
3	1.488	1.494	24,03	106,0	0,00	74,49	-	-	0,00	0,00	-
30	1.453	1.455	24,18	104,5	0,00	74,26	-	-	0,00	0,00	-
31	1.835	1.836	21,37	104,5	0,00	76,28	-	-	0,00	0,00	-
32	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
33	3.450	3.451	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
34	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
35	6.524	6.524	6,13	104,5	0,00	87,29	-	-	0,00	0,00	-
36	7.011	7.011	5,30	104,5	0,00	87,92	-	-	0,00	0,00	-
37	5.735	5.738	8,57	106,0	0,00	86,17	-	-	0,00	0,00	-
38	2.025	2.030	21,64	106,0	0,00	77,15	-	-	0,00	0,00	-
39	4.697	4.700	10,89	106,0	0,00	84,44	-	-	0,00	0,00	-
4	3.048	3.051	14,61	106,0	0,00	80,69	-	-	0,00	0,00	-
40	4.316	4.319	11,94	106,0	0,00	83,71	-	-	0,00	0,00	-
41	3.872	3.875	13,36	106,0	0,00	82,76	-	-	0,00	0,00	-
42	1.188	1.197	27,97	106,0	0,00	72,56	-	-	0,00	0,00	-
43	9.629	9.630	1,67	104,5	0,00	90,67	-	-	0,00	0,00	-
44	1.183	1.192	26,52	104,5	0,00	72,52	-	-	0,00	0,00	-
45	1.470	1.477	24,00	104,5	0,00	74,39	-	-	0,00	0,00	-
46	1.850	1.856	21,24	104,5	0,00	76,37	-	-	0,00	0,00	-
47	1.562	1.568	23,28	104,5	0,00	74,91	-	-	0,00	0,00	-
5	2.197	2.201	18,95	106,0	0,00	77,85	-	-	0,00	0,00	-
6	6.345	6.346	5,87	106,0	0,00	87,05	-	-	0,00	0,00	-
7	9.419	9.420	1,72	106,0	0,00	90,48	-	-	0,00	0,00	-
8	3.835	3.837	13,09	106,0	0,00	82,68	-	-	0,00	0,00	-
9	4.329	4.330	11,53	106,0	0,00	83,73	-	-	0,00	0,00	-
Sum			43,34								

- Data undefined due to calculation with octave data

Noise sensitive area: L Noise sensitive point: User defined (14)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	472	489	37,70	106,0	0,00	64,78	-	-	0,00	0,00	-
10	4.194	4.195	11,94	106,0	0,00	83,46	-	-	0,00	0,00	-
11	4.887	4.889	9,96	106,0	0,00	84,78	-	-	0,00	0,00	-
12	5.247	5.248	9,05	106,0	0,00	85,40	-	-	0,00	0,00	-
13	5.075	5.076	9,48	106,0	0,00	85,11	-	-	0,00	0,00	-
14	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-
15	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
16	7.105	7.106	5,17	106,0	0,00	88,03	-	-	0,00	0,00	-
17	8.836	8.837	2,42	106,0	0,00	89,93	-	-	0,00	0,00	-
18	8.891	8.892	2,35	106,0	0,00	89,98	-	-	0,00	0,00	-
19	9.056	9.057	2,12	106,0	0,00	90,14	-	-	0,00	0,00	-
2	374	396	40,06	106,0	0,00	62,95	-	-	0,00	0,00	-
20	9.156	9.157	1,98	106,0	0,00	90,23	-	-	0,00	0,00	-
21	9.195	9.195	1,93	106,0	0,00	90,27	-	-	0,00	0,00	-
22	10.220	10.221	0,62	106,0	0,00	91,19	-	-	0,00	0,00	-
23	10.449	10.450	0,35	106,0	0,00	91,38	-	-	0,00	0,00	-
24	10.805	10.805	-0,06	106,0	0,00	91,67	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	765	769	31,49	104,5	0,00	68,72	-	-	0,00	0,00	-
26	921	924	29,43	104,5	0,00	70,32	-	-	0,00	0,00	-
27	1.130	1.133	27,10	104,5	0,00	72,08	-	-	0,00	0,00	-
28	763	767	31,51	104,5	0,00	68,70	-	-	0,00	0,00	-
29	628	632	33,63	104,5	0,00	67,02	-	-	0,00	0,00	-
3	1.464	1.470	24,24	106,0	0,00	74,34	-	-	0,00	0,00	-
30	1.438	1.440	24,30	104,5	0,00	74,17	-	-	0,00	0,00	-
31	1.828	1.830	21,41	104,5	0,00	76,25	-	-	0,00	0,00	-
32	2.992	2.993	15,41	104,5	0,00	80,52	-	-	0,00	0,00	-
33	3.440	3.441	13,74	104,5	0,00	81,73	-	-	0,00	0,00	-
34	4.778	4.779	9,81	104,5	0,00	84,59	-	-	0,00	0,00	-
35	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
36	6.993	6.993	5,33	104,5	0,00	87,89	-	-	0,00	0,00	-
37	5.728	5.730	8,58	106,0	0,00	86,16	-	-	0,00	0,00	-
38	1.983	1.988	21,89	106,0	0,00	76,97	-	-	0,00	0,00	-
39	4.677	4.680	10,94	106,0	0,00	84,40	-	-	0,00	0,00	-
4	3.038	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
40	4.292	4.295	12,02	106,0	0,00	83,66	-	-	0,00	0,00	-
41	3.850	3.853	13,43	106,0	0,00	82,72	-	-	0,00	0,00	-
42	1.193	1.202	27,92	106,0	0,00	72,60	-	-	0,00	0,00	-
43	9.614	9.614	1,69	104,5	0,00	90,66	-	-	0,00	0,00	-
44	1.147	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-
45	1.428	1.435	24,34	104,5	0,00	74,14	-	-	0,00	0,00	-
46	1.811	1.816	21,50	104,5	0,00	76,18	-	-	0,00	0,00	-
47	1.526	1.533	23,55	104,5	0,00	74,71	-	-	0,00	0,00	-
5	2.187	2.191	19,01	106,0	0,00	77,81	-	-	0,00	0,00	-
6	6.332	6.333	5,90	106,0	0,00	87,03	-	-	0,00	0,00	-
7	9.403	9.404	1,74	106,0	0,00	90,47	-	-	0,00	0,00	-
8	3.797	3.798	13,22	106,0	0,00	82,59	-	-	0,00	0,00	-
9	4.291	4.292	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
Sum			44,06								

- Data undefined due to calculation with octave data

Noise sensitive area: M Noise sensitive point: User defined (15)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	926	935	29,99	106,0	0,00	70,41	-	-	0,00	0,00	-
10	4.045	4.047	12,40	106,0	0,00	83,14	-	-	0,00	0,00	-
11	4.419	4.421	11,26	106,0	0,00	83,91	-	-	0,00	0,00	-
12	4.778	4.780	10,25	106,0	0,00	84,59	-	-	0,00	0,00	-
13	4.620	4.622	10,69	106,0	0,00	84,30	-	-	0,00	0,00	-
14	6.277	6.278	6,74	106,0	0,00	86,96	-	-	0,00	0,00	-
15	6.683	6.684	5,94	106,0	0,00	87,50	-	-	0,00	0,00	-
16	6.757	6.758	5,80	106,0	0,00	87,60	-	-	0,00	0,00	-
17	8.408	8.409	3,04	106,0	0,00	89,49	-	-	0,00	0,00	-
18	8.481	8.481	2,94	106,0	0,00	89,57	-	-	0,00	0,00	-
19	8.656	8.657	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
2	627	640	34,58	106,0	0,00	67,12	-	-	0,00	0,00	-
20	8.720	8.721	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
21	8.772	8.773	2,51	106,0	0,00	89,86	-	-	0,00	0,00	-
22	9.847	9.848	1,08	106,0	0,00	90,87	-	-	0,00	0,00	-
23	10.049	10.050	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
24	10.378	10.379	0,43	106,0	0,00	91,32	-	-	0,00	0,00	-
25	1.157	1.159	26,84	104,5	0,00	72,28	-	-	0,00	0,00	-
26	1.174	1.177	26,66	104,5	0,00	72,41	-	-	0,00	0,00	-
27	1.276	1.278	25,70	104,5	0,00	73,13	-	-	0,00	0,00	-
28	844	848	30,40	104,5	0,00	69,57	-	-	0,00	0,00	-
29	452	459	37,06	104,5	0,00	64,23	-	-	0,00	0,00	-
3	1.181	1.188	26,97	106,0	0,00	72,50	-	-	0,00	0,00	-
30	1.046	1.049	27,99	104,5	0,00	71,42	-	-	0,00	0,00	-
31	1.371	1.374	24,86	104,5	0,00	73,76	-	-	0,00	0,00	-
32	2.517	2.519	17,45	104,5	0,00	79,02	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	2.996	2.997	15,40	104,5	0,00	80,53	-	-	0,00	0,00	-
34	4.589	4.589	10,29	104,5	0,00	84,24	-	-	0,00	0,00	-
35	6.152	6.152	6,82	104,5	0,00	86,78	-	-	0,00	0,00	-
36	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
37	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
38	2.038	2.043	21,56	106,0	0,00	77,21	-	-	0,00	0,00	-
39	4.309	4.312	11,96	106,0	0,00	83,69	-	-	0,00	0,00	-
4	2.595	2.598	16,75	106,0	0,00	79,29	-	-	0,00	0,00	-
40	3.967	3.970	13,04	106,0	0,00	82,98	-	-	0,00	0,00	-
41	3.498	3.501	14,68	106,0	0,00	81,88	-	-	0,00	0,00	-
42	693	708	33,91	106,0	0,00	68,00	-	-	0,00	0,00	-
43	9.199	9.200	2,19	104,5	0,00	90,28	-	-	0,00	0,00	-
44	1.072	1.082	27,64	104,5	0,00	71,68	-	-	0,00	0,00	-
45	1.491	1.498	23,83	104,5	0,00	74,51	-	-	0,00	0,00	-
46	1.797	1.803	21,59	104,5	0,00	76,12	-	-	0,00	0,00	-
47	1.421	1.429	24,39	104,5	0,00	74,10	-	-	0,00	0,00	-
5	1.750	1.755	21,93	106,0	0,00	75,89	-	-	0,00	0,00	-
6	5.903	5.905	6,65	106,0	0,00	86,42	-	-	0,00	0,00	-
7	8.994	8.995	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	3.711	3.712	13,51	106,0	0,00	82,39	-	-	0,00	0,00	-
9	4.189	4.190	11,95	106,0	0,00	83,44	-	-	0,00	0,00	-
Sum			42,34								

- Data undefined due to calculation with octave data

Noise sensitive area: N Noise sensitive point: User defined (16)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	888	897	30,50	106,0	0,00	70,06	-	-	0,00	0,00	-
10	4.019	4.020	12,49	106,0	0,00	83,08	-	-	0,00	0,00	-
11	4.433	4.434	11,22	106,0	0,00	83,94	-	-	0,00	0,00	-
12	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
13	4.630	4.632	10,66	106,0	0,00	84,32	-	-	0,00	0,00	-
14	6.274	6.275	6,75	106,0	0,00	86,95	-	-	0,00	0,00	-
15	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
16	6.751	6.752	5,82	106,0	0,00	87,59	-	-	0,00	0,00	-
17	8.414	8.415	3,04	106,0	0,00	89,50	-	-	0,00	0,00	-
18	8.483	8.484	2,93	106,0	0,00	89,57	-	-	0,00	0,00	-
19	8.658	8.658	2,68	106,0	0,00	89,75	-	-	0,00	0,00	-
2	583	597	35,40	106,0	0,00	66,52	-	-	0,00	0,00	-
20	8.727	8.728	2,58	106,0	0,00	89,82	-	-	0,00	0,00	-
21	8.777	8.778	2,51	106,0	0,00	89,87	-	-	0,00	0,00	-
22	9.845	9.845	1,08	106,0	0,00	90,86	-	-	0,00	0,00	-
23	10.051	10.051	0,83	106,0	0,00	91,04	-	-	0,00	0,00	-
24	10.384	10.385	0,42	106,0	0,00	91,33	-	-	0,00	0,00	-
25	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
26	1.129	1.132	27,12	104,5	0,00	72,07	-	-	0,00	0,00	-
27	1.231	1.234	26,11	104,5	0,00	72,83	-	-	0,00	0,00	-
28	800	804	30,99	104,5	0,00	69,10	-	-	0,00	0,00	-
29	414	421	37,94	104,5	0,00	63,50	-	-	0,00	0,00	-
3	1.162	1.170	27,17	106,0	0,00	72,36	-	-	0,00	0,00	-
30	1.042	1.045	28,04	104,5	0,00	71,38	-	-	0,00	0,00	-
31	1.380	1.383	24,78	104,5	0,00	73,81	-	-	0,00	0,00	-
32	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
33	3.003	3.005	15,37	104,5	0,00	80,56	-	-	0,00	0,00	-
34	4.566	4.566	10,35	104,5	0,00	84,19	-	-	0,00	0,00	-
35	6.146	6.146	6,83	104,5	0,00	86,77	-	-	0,00	0,00	-
36	6.601	6.602	6,00	104,5	0,00	87,39	-	-	0,00	0,00	-
37	5.279	5.281	9,53	106,0	0,00	85,45	-	-	0,00	0,00	-
38	1.997	2.003	21,80	106,0	0,00	77,03	-	-	0,00	0,00	-
39	4.305	4.308	11,98	106,0	0,00	83,69	-	-	0,00	0,00	-
4	2.602	2.606	16,71	106,0	0,00	79,32	-	-	0,00	0,00	-
40	3.957	3.960	13,08	106,0	0,00	82,95	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	3.492	3.495	14,71	106,0	0,00	81,87	-	-	0,00	0,00	-
42	717	732	33,55	106,0	0,00	68,29	-	-	0,00	0,00	-
43	9.203	9.203	2,19	104,5	0,00	90,28	-	-	0,00	0,00	-
44	1.036	1.045	28,03	104,5	0,00	71,39	-	-	0,00	0,00	-
45	1.449	1.456	24,16	104,5	0,00	74,27	-	-	0,00	0,00	-
46	1.760	1.766	21,85	104,5	0,00	75,94	-	-	0,00	0,00	-
47	1.388	1.395	24,67	104,5	0,00	73,89	-	-	0,00	0,00	-
5	1.756	1.760	21,89	106,0	0,00	75,91	-	-	0,00	0,00	-
6	5.909	5.911	6,64	106,0	0,00	86,43	-	-	0,00	0,00	-
7	8.997	8.998	2,20	106,0	0,00	90,08	-	-	0,00	0,00	-
8	3.680	3.681	13,62	106,0	0,00	82,32	-	-	0,00	0,00	-
9	4.159	4.160	12,05	106,0	0,00	83,38	-	-	0,00	0,00	-
Sum			42,84								

- Data undefined due to calculation with octave data

Noise sensitive area: 0 Noise sensitive point: User defined (17)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	861	871	30,87	106,0	0,00	69,80	-	-	0,00	0,00	-
10	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
11	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
12	4.782	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
13	4.616	4.618	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
14	6.243	6.244	6,81	106,0	0,00	86,91	-	-	0,00	0,00	-
15	6.648	6.649	6,01	106,0	0,00	87,45	-	-	0,00	0,00	-
16	6.717	6.718	5,88	106,0	0,00	87,54	-	-	0,00	0,00	-
17	8.394	8.395	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
18	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
19	8.632	8.633	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
2	541	556	36,23	106,0	0,00	65,90	-	-	0,00	0,00	-
20	8.709	8.709	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
21	8.756	8.756	2,54	106,0	0,00	89,85	-	-	0,00	0,00	-
22	9.815	9.815	1,12	106,0	0,00	90,84	-	-	0,00	0,00	-
23	10.025	10.026	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
24	10.363	10.364	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
25	1.076	1.079	27,67	104,5	0,00	71,66	-	-	0,00	0,00	-
26	1.078	1.081	27,65	104,5	0,00	71,67	-	-	0,00	0,00	-
27	1.175	1.177	26,66	104,5	0,00	72,42	-	-	0,00	0,00	-
28	743	747	31,81	104,5	0,00	68,47	-	-	0,00	0,00	-
29	356	364	39,44	104,5	0,00	62,23	-	-	0,00	0,00	-
3	1.117	1.124	27,67	106,0	0,00	72,02	-	-	0,00	0,00	-
30	1.011	1.014	28,37	104,5	0,00	71,12	-	-	0,00	0,00	-
31	1.366	1.369	24,90	104,5	0,00	73,73	-	-	0,00	0,00	-
32	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
33	2.987	2.988	15,43	104,5	0,00	80,51	-	-	0,00	0,00	-
34	4.516	4.516	10,48	104,5	0,00	84,10	-	-	0,00	0,00	-
35	6.112	6.112	6,90	104,5	0,00	86,72	-	-	0,00	0,00	-
36	6.574	6.574	6,05	104,5	0,00	87,36	-	-	0,00	0,00	-
37	5.267	5.269	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
38	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
39	4.274	4.276	12,07	106,0	0,00	83,62	-	-	0,00	0,00	-
4	2.585	2.588	16,80	106,0	0,00	79,26	-	-	0,00	0,00	-
40	3.920	3.923	13,20	106,0	0,00	82,87	-	-	0,00	0,00	-
41	3.458	3.461	14,83	106,0	0,00	81,78	-	-	0,00	0,00	-
42	725	740	33,42	106,0	0,00	68,38	-	-	0,00	0,00	-
43	9.180	9.180	2,21	104,5	0,00	90,26	-	-	0,00	0,00	-
44	977	988	28,68	104,5	0,00	70,89	-	-	0,00	0,00	-
45	1.390	1.398	24,65	104,5	0,00	73,91	-	-	0,00	0,00	-
46	1.701	1.707	22,26	104,5	0,00	75,65	-	-	0,00	0,00	-
47	1.331	1.339	25,16	104,5	0,00	73,54	-	-	0,00	0,00	-
5	1.736	1.741	22,04	106,0	0,00	75,82	-	-	0,00	0,00	-
6	5.889	5.890	6,68	106,0	0,00	86,40	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėsiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskų k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	8.973	8.974	2,22	106,0	0,00	90,06	-	-	0,00	0,00	-
8	3.624	3.625	13,81	106,0	0,00	82,19	-	-	0,00	0,00	-
9	4.104	4.105	12,22	106,0	0,00	83,27	-	-	0,00	0,00	-
Sum			43,68								

- Data undefined due to calculation with octave data

Noise sensitive area: P Noise sensitive point: User defined (18)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	852	862	30,99	106,0	0,00	69,71	-	-	0,00	0,00	-
10	3.953	3.954	12,70	106,0	0,00	82,94	-	-	0,00	0,00	-
11	4.422	4.424	11,25	106,0	0,00	83,92	-	-	0,00	0,00	-
12	4.781	4.783	10,24	106,0	0,00	84,59	-	-	0,00	0,00	-
13	4.615	4.616	10,70	106,0	0,00	84,29	-	-	0,00	0,00	-
14	6.237	6.238	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
15	6.641	6.642	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
16	6.710	6.711	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
17	8.390	8.391	3,07	106,0	0,00	89,48	-	-	0,00	0,00	-
18	8.455	8.456	2,97	106,0	0,00	89,54	-	-	0,00	0,00	-
19	8.627	8.628	2,72	106,0	0,00	89,72	-	-	0,00	0,00	-
2	528	544	36,49	106,0	0,00	65,70	-	-	0,00	0,00	-
20	8.706	8.706	2,61	106,0	0,00	89,80	-	-	0,00	0,00	-
21	8.752	8.753	2,54	106,0	0,00	89,84	-	-	0,00	0,00	-
22	9.808	9.809	1,13	106,0	0,00	90,83	-	-	0,00	0,00	-
23	10.020	10.021	0,86	106,0	0,00	91,02	-	-	0,00	0,00	-
24	10.360	10.361	0,45	106,0	0,00	91,31	-	-	0,00	0,00	-
25	1.064	1.067	27,80	104,5	0,00	71,56	-	-	0,00	0,00	-
26	1.063	1.066	27,81	104,5	0,00	71,55	-	-	0,00	0,00	-
27	1.158	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
28	727	731	32,05	104,5	0,00	68,28	-	-	0,00	0,00	-
29	340	349	39,87	104,5	0,00	61,86	-	-	0,00	0,00	-
3	1.106	1.114	27,79	106,0	0,00	71,94	-	-	0,00	0,00	-
30	1.005	1.008	28,44	104,5	0,00	71,07	-	-	0,00	0,00	-
31	1.365	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
32	2.524	2.525	17,42	104,5	0,00	79,05	-	-	0,00	0,00	-
33	2.984	2.985	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
34	4.503	4.504	10,52	104,5	0,00	84,07	-	-	0,00	0,00	-
35	6.105	6.105	6,91	104,5	0,00	86,71	-	-	0,00	0,00	-
36	6.568	6.569	6,06	104,5	0,00	87,35	-	-	0,00	0,00	-
37	5.266	5.268	9,56	106,0	0,00	85,43	-	-	0,00	0,00	-
38	1.922	1.928	22,27	106,0	0,00	76,70	-	-	0,00	0,00	-
39	4.267	4.270	12,09	106,0	0,00	83,61	-	-	0,00	0,00	-
4	2.582	2.586	16,81	106,0	0,00	79,25	-	-	0,00	0,00	-
40	3.912	3.914	13,23	106,0	0,00	82,85	-	-	0,00	0,00	-
41	3.450	3.454	14,86	106,0	0,00	81,77	-	-	0,00	0,00	-
42	730	745	33,35	106,0	0,00	68,44	-	-	0,00	0,00	-
43	9.176	9.176	2,22	104,5	0,00	90,25	-	-	0,00	0,00	-
44	962	972	28,85	104,5	0,00	70,76	-	-	0,00	0,00	-
45	1.374	1.382	24,79	104,5	0,00	73,81	-	-	0,00	0,00	-
46	1.685	1.692	22,37	104,5	0,00	75,57	-	-	0,00	0,00	-
47	1.317	1.324	25,29	104,5	0,00	73,44	-	-	0,00	0,00	-
5	1.733	1.738	22,06	106,0	0,00	75,80	-	-	0,00	0,00	-
6	5.885	5.887	6,69	106,0	0,00	86,40	-	-	0,00	0,00	-
7	8.968	8.970	2,23	106,0	0,00	90,06	-	-	0,00	0,00	-
8	3.609	3.611	13,86	106,0	0,00	82,15	-	-	0,00	0,00	-
9	4.090	4.091	12,26	106,0	0,00	83,24	-	-	0,00	0,00	-
Sum			43,94								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: Q Noise sensitive point: User defined (19)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	894	903	30,42	106,0	0,00	70,11	-	-	0,00	0,00	-
10	3.897	3.898	12,88	106,0	0,00	82,82	-	-	0,00	0,00	-
11	4.359	4.361	11,44	106,0	0,00	83,79	-	-	0,00	0,00	-
12	4.719	4.720	10,42	106,0	0,00	84,48	-	-	0,00	0,00	-
13	4.550	4.552	10,88	106,0	0,00	84,16	-	-	0,00	0,00	-
14	6.170	6.171	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
15	6.574	6.575	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
16	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-
17	8.324	8.325	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
18	8.389	8.390	3,07	106,0	0,00	89,47	-	-	0,00	0,00	-
19	8.560	8.561	2,82	106,0	0,00	89,65	-	-	0,00	0,00	-
2	552	567	36,00	106,0	0,00	66,08	-	-	0,00	0,00	-
20	8.640	8.641	2,70	106,0	0,00	89,73	-	-	0,00	0,00	-
21	8.686	8.686	2,64	106,0	0,00	89,78	-	-	0,00	0,00	-
22	9.741	9.742	1,21	106,0	0,00	90,77	-	-	0,00	0,00	-
23	9.953	9.954	0,95	106,0	0,00	90,96	-	-	0,00	0,00	-
24	10.294	10.295	0,53	106,0	0,00	91,25	-	-	0,00	0,00	-
25	1.090	1.093	27,51	104,5	0,00	71,77	-	-	0,00	0,00	-
26	1.067	1.070	27,76	104,5	0,00	71,59	-	-	0,00	0,00	-
27	1.145	1.148	26,95	104,5	0,00	72,20	-	-	0,00	0,00	-
28	713	717	32,26	104,5	0,00	68,12	-	-	0,00	0,00	-
29	303	313	40,98	104,5	0,00	60,90	-	-	0,00	0,00	-
3	1.043	1.051	28,52	106,0	0,00	71,43	-	-	0,00	0,00	-
30	938	942	29,22	104,5	0,00	70,48	-	-	0,00	0,00	-
31	1.301	1.304	25,47	104,5	0,00	73,30	-	-	0,00	0,00	-
32	2.462	2.464	17,71	104,5	0,00	78,83	-	-	0,00	0,00	-
33	2.919	2.920	15,71	104,5	0,00	80,31	-	-	0,00	0,00	-
34	4.444	4.445	10,67	104,5	0,00	83,96	-	-	0,00	0,00	-
35	6.038	6.038	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
36	6.502	6.502	6,17	104,5	0,00	87,26	-	-	0,00	0,00	-
37	5.202	5.204	9,70	106,0	0,00	85,33	-	-	0,00	0,00	-
38	1.891	1.897	22,47	106,0	0,00	76,56	-	-	0,00	0,00	-
39	4.200	4.203	12,30	106,0	0,00	83,47	-	-	0,00	0,00	-
4	2.517	2.521	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
40	3.846	3.848	13,45	106,0	0,00	82,71	-	-	0,00	0,00	-
41	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
42	681	697	34,08	106,0	0,00	67,86	-	-	0,00	0,00	-
43	9.109	9.110	2,30	104,5	0,00	90,19	-	-	0,00	0,00	-
44	921	932	29,34	104,5	0,00	70,39	-	-	0,00	0,00	-
45	1.347	1.354	25,02	104,5	0,00	73,64	-	-	0,00	0,00	-
46	1.647	1.653	22,65	104,5	0,00	75,37	-	-	0,00	0,00	-
47	1.269	1.277	25,71	104,5	0,00	73,13	-	-	0,00	0,00	-
5	1.668	1.673	22,56	106,0	0,00	75,47	-	-	0,00	0,00	-
6	5.819	5.821	6,81	106,0	0,00	86,30	-	-	0,00	0,00	-
7	8.902	8.903	2,31	106,0	0,00	89,99	-	-	0,00	0,00	-
8	3.559	3.561	14,04	106,0	0,00	82,03	-	-	0,00	0,00	-
9	4.038	4.039	12,42	106,0	0,00	83,13	-	-	0,00	0,00	-
Sum			44,45								

- Data undefined due to calculation with octave data

Noise sensitive area: R Noise sensitive point: User defined (20)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	867	877	30,78	106,0	0,00	69,86	-	-	0,00	0,00	-
10	3.882	3.883	12,93	106,0	0,00	82,78	-	-	0,00	0,00	-
11	4.373	4.375	11,40	106,0	0,00	83,82	-	-	0,00	0,00	-
12	4.733	4.734	10,38	106,0	0,00	84,51	-	-	0,00	0,00	-
13	4.562	4.564	10,85	106,0	0,00	84,19	-	-	0,00	0,00	-
14	6.172	6.173	6,96	106,0	0,00	86,81	-	-	0,00	0,00	-
15	6.576	6.577	6,15	106,0	0,00	87,36	-	-	0,00	0,00	-
16	6.643	6.644	6,02	106,0	0,00	87,45	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiai k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	8.333	8.334	3,16	106,0	0,00	89,42	-	-	0,00	0,00	-
18	8.395	8.396	3,06	106,0	0,00	89,48	-	-	0,00	0,00	-
19	8.565	8.566	2,81	106,0	0,00	89,66	-	-	0,00	0,00	-
2	522	538	36,61	106,0	0,00	65,61	-	-	0,00	0,00	-
20	8.649	8.650	2,69	106,0	0,00	89,74	-	-	0,00	0,00	-
21	8.694	8.694	2,63	106,0	0,00	89,78	-	-	0,00	0,00	-
22	9.744	9.745	1,21	106,0	0,00	90,78	-	-	0,00	0,00	-
23	9.959	9.959	0,94	106,0	0,00	90,96	-	-	0,00	0,00	-
24	10.302	10.303	0,52	106,0	0,00	91,26	-	-	0,00	0,00	-
25	1.060	1.063	27,84	104,5	0,00	71,53	-	-	0,00	0,00	-
26	1.035	1.038	28,11	104,5	0,00	71,32	-	-	0,00	0,00	-
27	1.114	1.117	27,27	104,5	0,00	71,96	-	-	0,00	0,00	-
28	682	687	32,74	104,5	0,00	67,73	-	-	0,00	0,00	-
29	277	288	41,81	104,5	0,00	60,18	-	-	0,00	0,00	-
3	1.036	1.044	28,61	106,0	0,00	71,37	-	-	0,00	0,00	-
30	943	946	29,17	104,5	0,00	70,52	-	-	0,00	0,00	-
31	1.315	1.317	25,35	104,5	0,00	73,39	-	-	0,00	0,00	-
32	2.478	2.479	17,64	104,5	0,00	78,89	-	-	0,00	0,00	-
33	2.930	2.931	15,66	104,5	0,00	80,34	-	-	0,00	0,00	-
34	4.432	4.433	10,71	104,5	0,00	83,93	-	-	0,00	0,00	-
35	6.038	6.039	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
36	6.506	6.507	6,17	104,5	0,00	87,27	-	-	0,00	0,00	-
37	5.215	5.217	9,67	106,0	0,00	85,35	-	-	0,00	0,00	-
38	1.864	1.870	22,65	106,0	0,00	76,44	-	-	0,00	0,00	-
39	4.202	4.205	12,29	106,0	0,00	83,48	-	-	0,00	0,00	-
4	2.528	2.531	17,09	106,0	0,00	79,07	-	-	0,00	0,00	-
40	3.843	3.846	13,46	106,0	0,00	82,70	-	-	0,00	0,00	-
41	3.384	3.387	15,11	106,0	0,00	81,60	-	-	0,00	0,00	-
42	706	721	33,70	106,0	0,00	68,16	-	-	0,00	0,00	-
43	9.116	9.117	2,29	104,5	0,00	90,20	-	-	0,00	0,00	-
44	897	909	29,62	104,5	0,00	70,17	-	-	0,00	0,00	-
45	1.319	1.326	25,27	104,5	0,00	73,45	-	-	0,00	0,00	-
46	1.622	1.629	22,82	104,5	0,00	75,24	-	-	0,00	0,00	-
47	1.249	1.257	25,90	104,5	0,00	72,99	-	-	0,00	0,00	-
5	1.678	1.683	22,48	106,0	0,00	75,52	-	-	0,00	0,00	-
6	5.828	5.829	6,79	106,0	0,00	86,31	-	-	0,00	0,00	-
7	8.908	8.909	2,30	106,0	0,00	90,00	-	-	0,00	0,00	-
8	3.540	3.542	14,11	106,0	0,00	81,99	-	-	0,00	0,00	-
9	4.020	4.021	12,48	106,0	0,00	83,09	-	-	0,00	0,00	-
Sum			44,98								

- Data undefined due to calculation with octave data

Noise sensitive area: S Noise sensitive point: User defined (21)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.003	1.011	29,01	106,0	0,00	71,10	-	-	0,00	0,00	-
10	3.889	3.891	12,91	106,0	0,00	82,80	-	-	0,00	0,00	-
11	4.266	4.267	11,72	106,0	0,00	83,60	-	-	0,00	0,00	-
12	4.625	4.626	10,67	106,0	0,00	84,30	-	-	0,00	0,00	-
13	4.461	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
14	6.104	6.105	7,10	106,0	0,00	86,71	-	-	0,00	0,00	-
15	6.510	6.511	6,28	106,0	0,00	87,27	-	-	0,00	0,00	-
16	6.584	6.584	6,14	106,0	0,00	87,37	-	-	0,00	0,00	-
17	8.243	8.244	3,29	106,0	0,00	89,32	-	-	0,00	0,00	-
18	8.312	8.313	3,19	106,0	0,00	89,40	-	-	0,00	0,00	-
19	8.486	8.487	2,93	106,0	0,00	89,58	-	-	0,00	0,00	-
2	659	672	34,01	106,0	0,00	67,54	-	-	0,00	0,00	-
20	8.556	8.557	2,83	106,0	0,00	89,65	-	-	0,00	0,00	-
21	8.606	8.606	2,75	106,0	0,00	89,70	-	-	0,00	0,00	-
22	9.675	9.675	1,30	106,0	0,00	90,71	-	-	0,00	0,00	-
23	9.880	9.880	1,04	106,0	0,00	90,90	-	-	0,00	0,00	-
24	10.213	10.213	0,63	106,0	0,00	91,18	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	1.197	1.199	26,44	104,5	0,00	72,58	-	-	0,00	0,00	-
26	1.160	1.163	26,80	104,5	0,00	72,31	-	-	0,00	0,00	-
27	1.220	1.223	26,22	104,5	0,00	72,75	-	-	0,00	0,00	-
28	791	795	31,13	104,5	0,00	69,00	-	-	0,00	0,00	-
29	359	367	39,35	104,5	0,00	62,30	-	-	0,00	0,00	-
3	1.015	1.023	28,87	106,0	0,00	71,20	-	-	0,00	0,00	-
30	873	876	30,03	104,5	0,00	69,85	-	-	0,00	0,00	-
31	1.211	1.213	26,31	104,5	0,00	72,68	-	-	0,00	0,00	-
32	2.366	2.368	18,20	104,5	0,00	78,49	-	-	0,00	0,00	-
33	2.833	2.834	16,06	104,5	0,00	80,05	-	-	0,00	0,00	-
34	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
35	5.978	5.979	7,16	104,5	0,00	86,53	-	-	0,00	0,00	-
36	6.430	6.431	6,30	104,5	0,00	87,17	-	-	0,00	0,00	-
37	5.110	5.113	9,91	106,0	0,00	85,17	-	-	0,00	0,00	-
38	1.938	1.944	22,17	106,0	0,00	76,77	-	-	0,00	0,00	-
39	4.136	4.139	12,50	106,0	0,00	83,34	-	-	0,00	0,00	-
4	2.432	2.435	17,61	106,0	0,00	78,73	-	-	0,00	0,00	-
40	3.793	3.796	13,63	106,0	0,00	82,59	-	-	0,00	0,00	-
41	3.325	3.328	15,34	106,0	0,00	81,44	-	-	0,00	0,00	-
42	573	591	35,87	106,0	0,00	66,44	-	-	0,00	0,00	-
43	9.032	9.032	2,40	104,5	0,00	90,12	-	-	0,00	0,00	-
44	955	966	28,93	104,5	0,00	70,70	-	-	0,00	0,00	-
45	1.402	1.410	24,55	104,5	0,00	73,98	-	-	0,00	0,00	-
46	1.682	1.688	22,39	104,5	0,00	75,55	-	-	0,00	0,00	-
47	1.288	1.296	25,54	104,5	0,00	73,25	-	-	0,00	0,00	-
5	1.584	1.590	23,22	106,0	0,00	75,03	-	-	0,00	0,00	-
6	5.738	5.739	6,96	106,0	0,00	86,18	-	-	0,00	0,00	-
7	8.826	8.827	2,40	106,0	0,00	89,92	-	-	0,00	0,00	-
8	3.567	3.569	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
9	4.041	4.043	12,41	106,0	0,00	83,13	-	-	0,00	0,00	-
Sum			43,62								

- Data undefined due to calculation with octave data

Noise sensitive area: T Noise sensitive point: User defined (22)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	989	997	29,19	106,0	0,00	70,97	-	-	0,00	0,00	-
10	3.851	3.852	13,03	106,0	0,00	82,71	-	-	0,00	0,00	-
11	4.259	4.260	11,74	106,0	0,00	83,59	-	-	0,00	0,00	-
12	4.618	4.620	10,69	106,0	0,00	84,29	-	-	0,00	0,00	-
13	4.451	4.453	11,17	106,0	0,00	83,97	-	-	0,00	0,00	-
14	6.082	6.083	7,15	106,0	0,00	86,68	-	-	0,00	0,00	-
15	6.487	6.488	6,32	106,0	0,00	87,24	-	-	0,00	0,00	-
16	6.559	6.560	6,18	106,0	0,00	87,34	-	-	0,00	0,00	-
17	8.228	8.229	3,32	106,0	0,00	89,31	-	-	0,00	0,00	-
18	8.295	8.296	3,21	106,0	0,00	89,38	-	-	0,00	0,00	-
19	8.468	8.468	2,96	106,0	0,00	89,56	-	-	0,00	0,00	-
2	636	649	34,42	106,0	0,00	67,25	-	-	0,00	0,00	-
20	8.543	8.544	2,85	106,0	0,00	89,63	-	-	0,00	0,00	-
21	8.590	8.591	2,78	106,0	0,00	89,68	-	-	0,00	0,00	-
22	9.653	9.653	1,33	106,0	0,00	90,69	-	-	0,00	0,00	-
23	9.861	9.862	1,06	106,0	0,00	90,88	-	-	0,00	0,00	-
24	10.198	10.198	0,65	106,0	0,00	91,17	-	-	0,00	0,00	-
25	1.173	1.176	26,68	104,5	0,00	72,41	-	-	0,00	0,00	-
26	1.126	1.129	27,14	104,5	0,00	72,05	-	-	0,00	0,00	-
27	1.181	1.183	26,60	104,5	0,00	72,46	-	-	0,00	0,00	-
28	752	756	31,67	104,5	0,00	68,57	-	-	0,00	0,00	-
29	318	327	40,52	104,5	0,00	61,30	-	-	0,00	0,00	-
3	979	988	29,30	106,0	0,00	70,89	-	-	0,00	0,00	-
30	850	853	30,33	104,5	0,00	69,62	-	-	0,00	0,00	-
31	1.201	1.204	26,40	104,5	0,00	72,61	-	-	0,00	0,00	-
32	2.361	2.363	18,23	104,5	0,00	78,47	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	2.821	2.822	16,11	104,5	0,00	80,01	-	-	0,00	0,00	-
34	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
35	5.953	5.954	7,20	104,5	0,00	86,50	-	-	0,00	0,00	-
36	6.410	6.411	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
37	5.102	5.104	9,93	106,0	0,00	85,16	-	-	0,00	0,00	-
38	1.895	1.901	22,45	106,0	0,00	76,58	-	-	0,00	0,00	-
39	4.113	4.116	12,57	106,0	0,00	83,29	-	-	0,00	0,00	-
4	2.419	2.423	17,68	106,0	0,00	78,69	-	-	0,00	0,00	-
40	3.766	3.769	13,72	106,0	0,00	82,52	-	-	0,00	0,00	-
41	3.299	3.303	15,44	106,0	0,00	81,38	-	-	0,00	0,00	-
42	585	603	35,66	106,0	0,00	66,61	-	-	0,00	0,00	-
43	9.015	9.015	2,42	104,5	0,00	90,10	-	-	0,00	0,00	-
44	912	923	29,44	104,5	0,00	70,31	-	-	0,00	0,00	-
45	1.360	1.367	24,91	104,5	0,00	73,72	-	-	0,00	0,00	-
46	1.639	1.645	22,71	104,5	0,00	75,32	-	-	0,00	0,00	-
47	1.245	1.253	25,93	104,5	0,00	72,96	-	-	0,00	0,00	-
5	1.570	1.576	23,34	106,0	0,00	74,95	-	-	0,00	0,00	-
6	5.723	5.725	6,99	106,0	0,00	86,15	-	-	0,00	0,00	-
7	8.808	8.809	2,42	106,0	0,00	89,90	-	-	0,00	0,00	-
8	3.526	3.528	14,16	106,0	0,00	81,95	-	-	0,00	0,00	-
9	4.001	4.002	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
Sum			44,22								

- Data undefined due to calculation with octave data

Noise sensitive area: U Noise sensitive point: User defined (23)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.870	1.874	21,07	106,0	0,00	76,46	-	-	0,00	0,00	-
10	2.586	2.588	18,27	106,0	0,00	79,26	-	-	0,00	0,00	-
11	3.437	3.439	14,49	106,0	0,00	81,73	-	-	0,00	0,00	-
12	3.790	3.792	13,24	106,0	0,00	82,58	-	-	0,00	0,00	-
13	3.545	3.547	14,09	106,0	0,00	82,00	-	-	0,00	0,00	-
14	4.892	4.893	9,95	106,0	0,00	84,79	-	-	0,00	0,00	-
15	5.287	5.288	8,95	106,0	0,00	85,47	-	-	0,00	0,00	-
16	5.330	5.331	8,84	106,0	0,00	85,54	-	-	0,00	0,00	-
17	7.170	7.171	5,05	106,0	0,00	88,11	-	-	0,00	0,00	-
18	7.186	7.187	5,02	106,0	0,00	88,13	-	-	0,00	0,00	-
19	7.331	7.332	4,77	106,0	0,00	88,30	-	-	0,00	0,00	-
2	1.516	1.521	23,79	106,0	0,00	74,64	-	-	0,00	0,00	-
20	7.510	7.511	4,46	106,0	0,00	88,51	-	-	0,00	0,00	-
21	7.513	7.514	4,46	106,0	0,00	88,52	-	-	0,00	0,00	-
22	8.460	8.461	2,97	106,0	0,00	89,55	-	-	0,00	0,00	-
23	8.721	8.722	2,59	106,0	0,00	89,81	-	-	0,00	0,00	-
24	9.127	9.128	2,02	106,0	0,00	90,21	-	-	0,00	0,00	-
25	1.819	1.821	21,47	104,5	0,00	76,21	-	-	0,00	0,00	-
26	1.504	1.506	23,76	104,5	0,00	74,56	-	-	0,00	0,00	-
27	1.268	1.270	25,78	104,5	0,00	73,08	-	-	0,00	0,00	-
28	1.194	1.197	26,47	104,5	0,00	72,56	-	-	0,00	0,00	-
29	1.159	1.161	26,82	104,5	0,00	72,30	-	-	0,00	0,00	-
3	327	352	41,35	106,0	0,00	61,93	-	-	0,00	0,00	-
30	600	605	34,12	104,5	0,00	66,63	-	-	0,00	0,00	-
31	885	888	29,88	104,5	0,00	69,97	-	-	0,00	0,00	-
32	1.743	1.745	21,99	104,5	0,00	75,84	-	-	0,00	0,00	-
33	1.943	1.945	20,66	104,5	0,00	76,78	-	-	0,00	0,00	-
34	3.094	3.095	15,01	104,5	0,00	80,81	-	-	0,00	0,00	-
35	4.729	4.729	9,93	104,5	0,00	84,50	-	-	0,00	0,00	-
36	5.261	5.261	8,66	104,5	0,00	85,42	-	-	0,00	0,00	-
37	4.218	4.221	12,24	106,0	0,00	83,51	-	-	0,00	0,00	-
38	1.278	1.287	27,13	106,0	0,00	73,19	-	-	0,00	0,00	-
39	2.928	2.931	16,98	106,0	0,00	80,34	-	-	0,00	0,00	-
4	1.573	1.578	23,32	106,0	0,00	74,96	-	-	0,00	0,00	-
40	2.512	2.516	18,94	106,0	0,00	79,01	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	2.090	2.096	21,24	106,0	0,00	77,43	-	-	0,00	0,00	-
42	1.247	1.256	27,41	106,0	0,00	72,98	-	-	0,00	0,00	-
43	7.914	7.915	3,90	104,5	0,00	88,97	-	-	0,00	0,00	-
44	790	803	31,01	104,5	0,00	69,09	-	-	0,00	0,00	-
45	1.082	1.091	27,54	104,5	0,00	71,76	-	-	0,00	0,00	-
46	951	962	28,98	104,5	0,00	70,66	-	-	0,00	0,00	-
47	596	613	33,98	104,5	0,00	66,75	-	-	0,00	0,00	-
5	891	901	30,45	106,0	0,00	70,09	-	-	0,00	0,00	-
6	4.683	4.685	9,23	106,0	0,00	84,41	-	-	0,00	0,00	-
7	7.693	7.695	3,83	106,0	0,00	88,72	-	-	0,00	0,00	-
8	2.343	2.346	19,57	106,0	0,00	78,41	-	-	0,00	0,00	-
9	2.782	2.785	17,31	106,0	0,00	79,90	-	-	0,00	0,00	-
Sum			44,42								

- Data undefined due to calculation with octave data

Noise sensitive area: V Noise sensitive point: User defined (24)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	1.828	1.833	21,36	106,0	0,00	76,26	-	-	0,00	0,00	-
10	2.615	2.617	18,13	106,0	0,00	79,36	-	-	0,00	0,00	-
11	3.473	3.475	14,35	106,0	0,00	81,82	-	-	0,00	0,00	-
12	3.826	3.828	13,12	106,0	0,00	82,66	-	-	0,00	0,00	-
13	3.583	3.585	13,96	106,0	0,00	82,09	-	-	0,00	0,00	-
14	4.933	4.934	9,84	106,0	0,00	84,86	-	-	0,00	0,00	-
15	5.328	5.329	8,85	106,0	0,00	85,53	-	-	0,00	0,00	-
16	5.371	5.372	8,75	106,0	0,00	85,60	-	-	0,00	0,00	-
17	7.211	7.212	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
18	7.227	7.228	4,95	106,0	0,00	88,18	-	-	0,00	0,00	-
19	7.372	7.373	4,70	106,0	0,00	88,35	-	-	0,00	0,00	-
2	1.474	1.480	24,15	106,0	0,00	74,41	-	-	0,00	0,00	-
20	7.551	7.551	4,40	106,0	0,00	88,56	-	-	0,00	0,00	-
21	7.554	7.555	4,39	106,0	0,00	88,56	-	-	0,00	0,00	-
22	8.501	8.502	2,91	106,0	0,00	89,59	-	-	0,00	0,00	-
23	8.763	8.764	2,53	106,0	0,00	89,85	-	-	0,00	0,00	-
24	9.169	9.169	1,96	106,0	0,00	90,25	-	-	0,00	0,00	-
25	1.779	1.780	21,74	104,5	0,00	76,01	-	-	0,00	0,00	-
26	1.464	1.466	24,08	104,5	0,00	74,33	-	-	0,00	0,00	-
27	1.230	1.233	26,12	104,5	0,00	72,82	-	-	0,00	0,00	-
28	1.153	1.156	26,87	104,5	0,00	72,26	-	-	0,00	0,00	-
29	1.119	1.121	27,22	104,5	0,00	72,00	-	-	0,00	0,00	-
3	290	317	42,45	106,0	0,00	61,03	-	-	0,00	0,00	-
30	580	585	34,48	104,5	0,00	66,34	-	-	0,00	0,00	-
31	887	890	29,85	104,5	0,00	69,99	-	-	0,00	0,00	-
32	1.770	1.771	21,81	104,5	0,00	75,97	-	-	0,00	0,00	-
33	1.979	1.980	20,44	104,5	0,00	76,94	-	-	0,00	0,00	-
34	3.127	3.128	14,89	104,5	0,00	80,91	-	-	0,00	0,00	-
35	4.770	4.771	9,83	104,5	0,00	84,57	-	-	0,00	0,00	-
36	5.302	5.303	8,57	104,5	0,00	85,49	-	-	0,00	0,00	-
37	4.256	4.259	12,13	106,0	0,00	83,59	-	-	0,00	0,00	-
38	1.262	1.270	27,28	106,0	0,00	73,08	-	-	0,00	0,00	-
39	2.969	2.973	16,80	106,0	0,00	80,46	-	-	0,00	0,00	-
4	1.606	1.611	23,05	106,0	0,00	75,14	-	-	0,00	0,00	-
40	2.553	2.557	18,74	106,0	0,00	79,15	-	-	0,00	0,00	-
41	2.132	2.137	21,00	106,0	0,00	77,60	-	-	0,00	0,00	-
42	1.224	1.232	27,63	106,0	0,00	72,82	-	-	0,00	0,00	-
43	7.956	7.956	3,84	104,5	0,00	89,01	-	-	0,00	0,00	-
44	750	763	31,57	104,5	0,00	68,65	-	-	0,00	0,00	-
45	1.050	1.060	27,87	104,5	0,00	71,50	-	-	0,00	0,00	-
46	933	944	29,19	104,5	0,00	70,50	-	-	0,00	0,00	-
47	566	584	34,51	104,5	0,00	66,33	-	-	0,00	0,00	-
5	912	921	30,18	106,0	0,00	70,28	-	-	0,00	0,00	-
6	4.724	4.726	9,13	106,0	0,00	84,49	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	7.735	7.736	3,77	106,0	0,00	88,77	-	-	0,00	0,00	-
8	2.364	2.367	19,45	106,0	0,00	78,48	-	-	0,00	0,00	-
9	2.807	2.809	17,19	106,0	0,00	79,97	-	-	0,00	0,00	-
Sum			45,03								

- Data undefined due to calculation with octave data

Noise sensitive area: W Noise sensitive point: User defined (25)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.662	2.665	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
10	2.735	2.737	17,54	106,0	0,00	79,75	-	-	0,00	0,00	-
11	2.515	2.517	18,64	106,0	0,00	79,02	-	-	0,00	0,00	-
12	2.872	2.874	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
13	2.656	2.658	17,92	106,0	0,00	79,49	-	-	0,00	0,00	-
14	4.257	4.258	11,75	106,0	0,00	83,58	-	-	0,00	0,00	-
15	4.667	4.668	10,56	106,0	0,00	84,38	-	-	0,00	0,00	-
16	4.761	4.762	10,30	106,0	0,00	84,56	-	-	0,00	0,00	-
17	6.386	6.387	6,52	106,0	0,00	87,11	-	-	0,00	0,00	-
18	6.447	6.448	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
19	6.621	6.622	6,06	106,0	0,00	87,42	-	-	0,00	0,00	-
2	2.278	2.282	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
20	6.707	6.708	5,90	106,0	0,00	87,53	-	-	0,00	0,00	-
21	6.745	6.746	5,83	106,0	0,00	87,58	-	-	0,00	0,00	-
22	7.821	7.822	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
23	8.014	8.015	3,65	106,0	0,00	89,08	-	-	0,00	0,00	-
24	8.354	8.355	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
25	2.679	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
26	2.402	2.403	18,02	104,5	0,00	78,62	-	-	0,00	0,00	-
27	2.196	2.198	19,14	104,5	0,00	77,84	-	-	0,00	0,00	-
28	2.039	2.041	20,07	104,5	0,00	77,20	-	-	0,00	0,00	-
29	1.849	1.850	21,27	104,5	0,00	76,35	-	-	0,00	0,00	-
3	1.121	1.128	27,63	106,0	0,00	72,04	-	-	0,00	0,00	-
30	1.013	1.016	28,36	104,5	0,00	71,14	-	-	0,00	0,00	-
31	717	721	32,20	104,5	0,00	68,16	-	-	0,00	0,00	-
32	814	819	30,79	104,5	0,00	69,26	-	-	0,00	0,00	-
33	1.022	1.025	28,25	104,5	0,00	71,22	-	-	0,00	0,00	-
34	3.069	3.070	15,11	104,5	0,00	80,74	-	-	0,00	0,00	-
35	4.155	4.156	11,48	104,5	0,00	83,37	-	-	0,00	0,00	-
36	4.568	4.569	10,34	104,5	0,00	84,20	-	-	0,00	0,00	-
37	3.323	3.327	15,35	106,0	0,00	81,44	-	-	0,00	0,00	-
38	2.184	2.189	20,70	106,0	0,00	77,80	-	-	0,00	0,00	-
39	2.302	2.307	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
4	631	645	34,49	106,0	0,00	67,19	-	-	0,00	0,00	-
40	2.054	2.059	21,46	106,0	0,00	77,27	-	-	0,00	0,00	-
41	1.537	1.544	24,97	106,0	0,00	74,77	-	-	0,00	0,00	-
42	1.468	1.475	25,52	106,0	0,00	74,38	-	-	0,00	0,00	-
43	7.167	7.168	5,04	104,5	0,00	88,11	-	-	0,00	0,00	-
44	1.691	1.697	22,33	104,5	0,00	75,59	-	-	0,00	0,00	-
45	2.032	2.037	20,09	104,5	0,00	77,18	-	-	0,00	0,00	-
46	1.871	1.876	21,10	104,5	0,00	76,47	-	-	0,00	0,00	-
47	1.547	1.553	23,39	104,5	0,00	74,83	-	-	0,00	0,00	-
5	322	346	41,52	106,0	0,00	61,79	-	-	0,00	0,00	-
6	3.881	3.884	11,42	106,0	0,00	82,79	-	-	0,00	0,00	-
7	6.960	6.961	4,88	106,0	0,00	87,85	-	-	0,00	0,00	-
8	2.707	2.710	17,67	106,0	0,00	79,66	-	-	0,00	0,00	-
9	3.041	3.043	16,12	106,0	0,00	80,67	-	-	0,00	0,00	-
Sum			43,89								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s
Noise sensitive area: X Noise sensitive point: User defined (26)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.664	2.668	16,40	106,0	0,00	79,52	-	-	0,00	0,00	-
10	2.793	2.795	17,26	106,0	0,00	79,93	-	-	0,00	0,00	-
11	2.503	2.505	18,70	106,0	0,00	78,98	-	-	0,00	0,00	-
12	2.861	2.863	16,93	106,0	0,00	80,14	-	-	0,00	0,00	-
13	2.651	2.654	17,94	106,0	0,00	79,48	-	-	0,00	0,00	-
14	4.280	4.282	11,67	106,0	0,00	83,63	-	-	0,00	0,00	-
15	4.691	4.693	10,49	106,0	0,00	84,43	-	-	0,00	0,00	-
16	4.790	4.791	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
17	6.394	6.395	6,51	106,0	0,00	87,12	-	-	0,00	0,00	-
18	6.460	6.461	6,38	106,0	0,00	87,21	-	-	0,00	0,00	-
19	6.637	6.638	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
2	2.279	2.283	18,47	106,0	0,00	78,17	-	-	0,00	0,00	-
20	6.713	6.714	5,89	106,0	0,00	87,54	-	-	0,00	0,00	-
21	6.755	6.756	5,81	106,0	0,00	87,59	-	-	0,00	0,00	-
22	7.842	7.843	3,92	106,0	0,00	88,89	-	-	0,00	0,00	-
23	8.030	8.030	3,62	106,0	0,00	89,09	-	-	0,00	0,00	-
24	8.363	8.364	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-
25	2.689	2.690	16,68	104,5	0,00	79,59	-	-	0,00	0,00	-
26	2.417	2.418	17,94	104,5	0,00	78,67	-	-	0,00	0,00	-
27	2.216	2.218	19,03	104,5	0,00	77,92	-	-	0,00	0,00	-
28	2.049	2.050	20,01	104,5	0,00	77,24	-	-	0,00	0,00	-
29	1.847	1.848	21,29	104,5	0,00	76,34	-	-	0,00	0,00	-
3	1.136	1.143	27,47	106,0	0,00	72,16	-	-	0,00	0,00	-
30	1.008	1.011	28,41	104,5	0,00	71,10	-	-	0,00	0,00	-
31	687	691	32,67	104,5	0,00	67,79	-	-	0,00	0,00	-
32	772	777	31,38	104,5	0,00	68,81	-	-	0,00	0,00	-
33	1.014	1.018	28,34	104,5	0,00	71,15	-	-	0,00	0,00	-
34	3.124	3.125	14,90	104,5	0,00	80,90	-	-	0,00	0,00	-
35	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
36	4.587	4.587	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-
37	3.317	3.321	15,37	106,0	0,00	81,42	-	-	0,00	0,00	-
38	2.224	2.229	20,47	106,0	0,00	77,96	-	-	0,00	0,00	-
39	2.330	2.335	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
4	617	632	34,74	106,0	0,00	67,01	-	-	0,00	0,00	-
40	2.095	2.100	21,21	106,0	0,00	77,44	-	-	0,00	0,00	-
41	1.574	1.581	24,69	106,0	0,00	74,98	-	-	0,00	0,00	-
42	1.441	1.448	25,74	106,0	0,00	74,22	-	-	0,00	0,00	-
43	7.179	7.180	5,02	104,5	0,00	88,12	-	-	0,00	0,00	-
44	1.709	1.715	22,20	104,5	0,00	75,68	-	-	0,00	0,00	-
45	2.060	2.065	19,92	104,5	0,00	77,30	-	-	0,00	0,00	-
46	1.909	1.914	20,86	104,5	0,00	76,64	-	-	0,00	0,00	-
47	1.576	1.583	23,17	104,5	0,00	74,99	-	-	0,00	0,00	-
5	287	314	42,56	106,0	0,00	60,94	-	-	0,00	0,00	-
6	3.889	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
7	6.974	6.975	4,86	106,0	0,00	87,87	-	-	0,00	0,00	-
8	2.766	2.768	17,39	106,0	0,00	79,84	-	-	0,00	0,00	-
9	3.099	3.101	15,86	106,0	0,00	80,83	-	-	0,00	0,00	-
Sum			44,59								

- Data undefined due to calculation with octave data

Noise sensitive area: Y Noise sensitive point: User defined (27)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.827	2.830	15,61	106,0	0,00	80,04	-	-	0,00	0,00	-
10	2.643	2.645	17,99	106,0	0,00	79,45	-	-	0,00	0,00	-
11	2.369	2.372	19,42	106,0	0,00	78,50	-	-	0,00	0,00	-
12	2.725	2.727	17,58	106,0	0,00	79,71	-	-	0,00	0,00	-
13	2.498	2.500	18,73	106,0	0,00	78,96	-	-	0,00	0,00	-
14	4.077	4.079	12,30	106,0	0,00	83,21	-	-	0,00	0,00	-
15	4.487	4.489	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
16	4.583	4.584	10,79	106,0	0,00	84,22	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	6.212	6.213	6,88	106,0	0,00	86,87	-	-	0,00	0,00	-
18	6.270	6.271	6,76	106,0	0,00	86,95	-	-	0,00	0,00	-
19	6.443	6.444	6,41	106,0	0,00	87,18	-	-	0,00	0,00	-
2	2.445	2.448	17,54	106,0	0,00	78,78	-	-	0,00	0,00	-
20	6.535	6.536	6,23	106,0	0,00	87,31	-	-	0,00	0,00	-
21	6.570	6.571	6,16	106,0	0,00	87,35	-	-	0,00	0,00	-
22	7.641	7.642	4,25	106,0	0,00	88,66	-	-	0,00	0,00	-
23	7.836	7.837	3,93	106,0	0,00	88,88	-	-	0,00	0,00	-
24	8.180	8.181	3,39	106,0	0,00	89,26	-	-	0,00	0,00	-
25	2.835	2.836	16,05	104,5	0,00	80,05	-	-	0,00	0,00	-
26	2.549	2.550	17,31	104,5	0,00	79,13	-	-	0,00	0,00	-
27	2.333	2.334	18,39	104,5	0,00	78,36	-	-	0,00	0,00	-
28	2.195	2.196	19,15	104,5	0,00	77,83	-	-	0,00	0,00	-
29	2.019	2.021	20,19	104,5	0,00	77,11	-	-	0,00	0,00	-
3	1.271	1.277	26,05	106,0	0,00	73,12	-	-	0,00	0,00	-
30	1.187	1.189	26,54	104,5	0,00	72,50	-	-	0,00	0,00	-
31	894	897	29,76	104,5	0,00	70,06	-	-	0,00	0,00	-
32	771	775	31,41	104,5	0,00	68,78	-	-	0,00	0,00	-
33	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
34	2.947	2.948	15,59	104,5	0,00	80,39	-	-	0,00	0,00	-
35	3.977	3.978	12,01	104,5	0,00	82,99	-	-	0,00	0,00	-
36	4.389	4.390	10,82	104,5	0,00	83,85	-	-	0,00	0,00	-
37	3.167	3.171	15,97	106,0	0,00	81,02	-	-	0,00	0,00	-
38	2.267	2.271	20,23	106,0	0,00	78,13	-	-	0,00	0,00	-
39	2.123	2.128	21,05	106,0	0,00	77,56	-	-	0,00	0,00	-
4	503	520	37,00	106,0	0,00	65,32	-	-	0,00	0,00	-
40	1.888	1.893	22,50	106,0	0,00	76,54	-	-	0,00	0,00	-
41	1.366	1.373	26,36	106,0	0,00	73,76	-	-	0,00	0,00	-
42	1.646	1.653	24,15	106,0	0,00	75,36	-	-	0,00	0,00	-
43	6.991	6.992	5,33	104,5	0,00	87,89	-	-	0,00	0,00	-
44	1.834	1.840	21,34	104,5	0,00	76,30	-	-	0,00	0,00	-
45	2.152	2.156	19,38	104,5	0,00	77,67	-	-	0,00	0,00	-
46	1.963	1.968	20,52	104,5	0,00	76,88	-	-	0,00	0,00	-
47	1.665	1.671	22,51	104,5	0,00	75,46	-	-	0,00	0,00	-
5	495	511	37,19	106,0	0,00	65,17	-	-	0,00	0,00	-
6	3.709	3.711	12,02	106,0	0,00	82,39	-	-	0,00	0,00	-
7	6.783	6.784	5,16	106,0	0,00	87,63	-	-	0,00	0,00	-
8	2.654	2.656	17,93	106,0	0,00	79,49	-	-	0,00	0,00	-
9	2.964	2.966	16,46	106,0	0,00	80,44	-	-	0,00	0,00	-
Sum			42,32								

- Data undefined due to calculation with octave data

Noise sensitive area: Z Noise sensitive point: User defined (28)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.856	2.859	15,47	106,0	0,00	80,12	-	-	0,00	0,00	-
10	2.695	2.697	17,73	106,0	0,00	79,62	-	-	0,00	0,00	-
11	2.328	2.331	19,65	106,0	0,00	78,35	-	-	0,00	0,00	-
12	2.684	2.687	17,78	106,0	0,00	79,59	-	-	0,00	0,00	-
13	2.463	2.466	18,91	106,0	0,00	78,84	-	-	0,00	0,00	-
14	4.074	4.075	12,31	106,0	0,00	83,20	-	-	0,00	0,00	-
15	4.485	4.486	11,07	106,0	0,00	84,04	-	-	0,00	0,00	-
16	4.585	4.586	10,79	106,0	0,00	84,23	-	-	0,00	0,00	-
17	6.191	6.192	6,92	106,0	0,00	86,84	-	-	0,00	0,00	-
18	6.254	6.255	6,79	106,0	0,00	86,92	-	-	0,00	0,00	-
19	6.430	6.431	6,44	106,0	0,00	87,17	-	-	0,00	0,00	-
2	2.473	2.476	17,39	106,0	0,00	78,87	-	-	0,00	0,00	-
20	6.512	6.513	6,27	106,0	0,00	87,28	-	-	0,00	0,00	-
21	6.551	6.552	6,20	106,0	0,00	87,33	-	-	0,00	0,00	-
22	7.635	7.636	4,26	106,0	0,00	88,66	-	-	0,00	0,00	-
23	7.823	7.824	3,95	106,0	0,00	88,87	-	-	0,00	0,00	-
24	8.160	8.161	3,42	106,0	0,00	89,23	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	2.870	2.871	15,91	104,5	0,00	80,16	-	-	0,00	0,00	-
26	2.588	2.589	17,13	104,5	0,00	79,26	-	-	0,00	0,00	-
27	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
28	2.230	2.231	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
29	2.044	2.045	20,04	104,5	0,00	77,22	-	-	0,00	0,00	-
3	1.308	1.314	25,68	106,0	0,00	73,37	-	-	0,00	0,00	-
30	1.208	1.210	26,34	104,5	0,00	72,66	-	-	0,00	0,00	-
31	892	895	29,79	104,5	0,00	70,04	-	-	0,00	0,00	-
32	708	713	32,33	104,5	0,00	68,06	-	-	0,00	0,00	-
33	833	837	30,54	104,5	0,00	69,46	-	-	0,00	0,00	-
34	2.991	2.992	15,42	104,5	0,00	80,52	-	-	0,00	0,00	-
35	3.980	3.981	12,00	104,5	0,00	83,00	-	-	0,00	0,00	-
36	4.379	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
37	3.132	3.136	16,11	106,0	0,00	80,93	-	-	0,00	0,00	-
38	2.323	2.328	19,92	106,0	0,00	78,34	-	-	0,00	0,00	-
39	2.126	2.131	21,03	106,0	0,00	77,57	-	-	0,00	0,00	-
4	453	471	38,11	106,0	0,00	64,47	-	-	0,00	0,00	-
40	1.908	1.913	22,37	106,0	0,00	76,64	-	-	0,00	0,00	-
41	1.382	1.389	26,23	106,0	0,00	73,86	-	-	0,00	0,00	-
42	1.647	1.653	24,15	106,0	0,00	75,37	-	-	0,00	0,00	-
43	6.974	6.975	5,36	104,5	0,00	87,87	-	-	0,00	0,00	-
44	1.875	1.881	21,07	104,5	0,00	76,49	-	-	0,00	0,00	-
45	2.201	2.205	19,10	104,5	0,00	77,87	-	-	0,00	0,00	-
46	2.018	2.023	20,18	104,5	0,00	77,12	-	-	0,00	0,00	-
47	1.714	1.720	22,16	104,5	0,00	75,71	-	-	0,00	0,00	-
5	492	508	37,27	106,0	0,00	65,12	-	-	0,00	0,00	-
6	3.687	3.689	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
7	6.768	6.769	5,18	106,0	0,00	87,61	-	-	0,00	0,00	-
8	2.713	2.715	17,64	106,0	0,00	79,67	-	-	0,00	0,00	-
9	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
Sum			42,78								

- Data undefined due to calculation with octave data

Noise sensitive area: AA Noise sensitive point: User defined (29)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.888	2.891	15,33	106,0	0,00	80,22	-	-	0,00	0,00	-
10	2.583	2.585	18,29	106,0	0,00	79,25	-	-	0,00	0,00	-
11	2.326	2.329	19,66	106,0	0,00	78,34	-	-	0,00	0,00	-
12	2.679	2.682	17,81	106,0	0,00	79,57	-	-	0,00	0,00	-
13	2.445	2.447	19,01	106,0	0,00	78,77	-	-	0,00	0,00	-
14	4.000	4.001	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-
15	4.410	4.411	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
16	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
17	6.145	6.146	7,02	106,0	0,00	86,77	-	-	0,00	0,00	-
18	6.199	6.201	6,90	106,0	0,00	86,85	-	-	0,00	0,00	-
19	6.370	6.371	6,56	106,0	0,00	87,08	-	-	0,00	0,00	-
2	2.507	2.511	17,20	106,0	0,00	79,00	-	-	0,00	0,00	-
20	6.470	6.471	6,36	106,0	0,00	87,22	-	-	0,00	0,00	-
21	6.502	6.503	6,29	106,0	0,00	87,26	-	-	0,00	0,00	-
22	7.565	7.566	4,37	106,0	0,00	88,58	-	-	0,00	0,00	-
23	7.764	7.764	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
24	8.113	8.114	3,49	106,0	0,00	89,18	-	-	0,00	0,00	-
25	2.889	2.890	15,83	104,5	0,00	80,22	-	-	0,00	0,00	-
26	2.598	2.599	17,08	104,5	0,00	79,30	-	-	0,00	0,00	-
27	2.376	2.378	18,15	104,5	0,00	78,52	-	-	0,00	0,00	-
28	2.250	2.252	18,84	104,5	0,00	78,05	-	-	0,00	0,00	-
29	2.085	2.086	19,79	104,5	0,00	77,39	-	-	0,00	0,00	-
3	1.324	1.330	25,53	106,0	0,00	73,48	-	-	0,00	0,00	-
30	1.255	1.258	25,89	104,5	0,00	72,99	-	-	0,00	0,00	-
31	974	977	28,80	104,5	0,00	70,80	-	-	0,00	0,00	-
32	791	795	31,12	104,5	0,00	69,01	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	833	837	30,55	104,5	0,00	69,45	-	-	0,00	0,00	-
34	2.877	2.878	15,88	104,5	0,00	80,18	-	-	0,00	0,00	-
35	3.898	3.899	12,25	104,5	0,00	82,82	-	-	0,00	0,00	-
36	4.315	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
37	3.116	3.120	16,18	106,0	0,00	80,88	-	-	0,00	0,00	-
38	2.282	2.287	20,15	106,0	0,00	78,18	-	-	0,00	0,00	-
39	2.044	2.049	21,52	106,0	0,00	77,23	-	-	0,00	0,00	-
4	483	500	37,45	106,0	0,00	64,98	-	-	0,00	0,00	-
40	1.807	1.812	23,03	106,0	0,00	76,17	-	-	0,00	0,00	-
41	1.284	1.293	27,07	106,0	0,00	73,23	-	-	0,00	0,00	-
42	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
43	6.921	6.922	5,45	104,5	0,00	87,80	-	-	0,00	0,00	-
44	1.882	1.888	21,03	104,5	0,00	76,52	-	-	0,00	0,00	-
45	2.186	2.191	19,18	104,5	0,00	77,81	-	-	0,00	0,00	-
46	1.983	1.988	20,39	104,5	0,00	76,97	-	-	0,00	0,00	-
47	1.700	1.706	22,27	104,5	0,00	75,64	-	-	0,00	0,00	-
5	576	590	35,55	106,0	0,00	66,41	-	-	0,00	0,00	-
6	3.643	3.645	12,25	106,0	0,00	82,23	-	-	0,00	0,00	-
7	6.712	6.713	5,27	106,0	0,00	87,54	-	-	0,00	0,00	-
8	2.608	2.611	18,16	106,0	0,00	79,33	-	-	0,00	0,00	-
9	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
Sum			41,98								

- Data undefined due to calculation with octave data

Noise sensitive area: AB Noise sensitive point: User defined (30)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	2.898	2.901	15,28	106,0	0,00	80,25	-	-	0,00	0,00	-
10	2.601	2.603	18,20	106,0	0,00	79,31	-	-	0,00	0,00	-
11	2.311	2.314	19,74	106,0	0,00	78,29	-	-	0,00	0,00	-
12	2.665	2.668	17,88	106,0	0,00	79,52	-	-	0,00	0,00	-
13	2.432	2.435	19,08	106,0	0,00	78,73	-	-	0,00	0,00	-
14	3.998	4.000	12,55	106,0	0,00	83,04	-	-	0,00	0,00	-
15	4.409	4.410	11,29	106,0	0,00	83,89	-	-	0,00	0,00	-
16	4.504	4.505	11,02	106,0	0,00	84,07	-	-	0,00	0,00	-
17	6.138	6.139	7,03	106,0	0,00	86,76	-	-	0,00	0,00	-
18	6.194	6.195	6,91	106,0	0,00	86,84	-	-	0,00	0,00	-
19	6.366	6.367	6,57	106,0	0,00	87,08	-	-	0,00	0,00	-
2	2.516	2.520	17,15	106,0	0,00	79,03	-	-	0,00	0,00	-
20	6.462	6.463	6,37	106,0	0,00	87,21	-	-	0,00	0,00	-
21	6.495	6.496	6,31	106,0	0,00	87,25	-	-	0,00	0,00	-
22	7.563	7.564	4,38	106,0	0,00	88,57	-	-	0,00	0,00	-
23	7.759	7.760	4,05	106,0	0,00	88,80	-	-	0,00	0,00	-
24	8.106	8.106	3,50	106,0	0,00	89,18	-	-	0,00	0,00	-
25	2.901	2.902	15,78	104,5	0,00	80,25	-	-	0,00	0,00	-
26	2.611	2.612	17,02	104,5	0,00	79,34	-	-	0,00	0,00	-
27	2.391	2.392	18,08	104,5	0,00	78,58	-	-	0,00	0,00	-
28	2.262	2.263	18,77	104,5	0,00	78,09	-	-	0,00	0,00	-
29	2.092	2.094	19,75	104,5	0,00	77,42	-	-	0,00	0,00	-
3	1.336	1.342	25,42	106,0	0,00	73,55	-	-	0,00	0,00	-
30	1.262	1.264	25,83	104,5	0,00	73,04	-	-	0,00	0,00	-
31	973	976	28,82	104,5	0,00	70,78	-	-	0,00	0,00	-
32	770	774	31,42	104,5	0,00	68,77	-	-	0,00	0,00	-
33	817	821	30,76	104,5	0,00	69,29	-	-	0,00	0,00	-
34	2.891	2.892	15,82	104,5	0,00	80,23	-	-	0,00	0,00	-
35	3.899	3.899	12,24	104,5	0,00	82,82	-	-	0,00	0,00	-
36	4.311	4.312	11,04	104,5	0,00	83,69	-	-	0,00	0,00	-
37	3.103	3.107	16,23	106,0	0,00	80,85	-	-	0,00	0,00	-
38	2.301	2.306	20,04	106,0	0,00	78,26	-	-	0,00	0,00	-
39	2.044	2.050	21,51	106,0	0,00	77,23	-	-	0,00	0,00	-
4	463	482	37,87	106,0	0,00	64,65	-	-	0,00	0,00	-
40	1.813	1.819	22,99	106,0	0,00	76,20	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	1.289	1.298	27,03	106,0	0,00	73,26	-	-	0,00	0,00	-
42	1.725	1.731	23,59	106,0	0,00	75,77	-	-	0,00	0,00	-
43	6.915	6.916	5,46	104,5	0,00	87,80	-	-	0,00	0,00	-
44	1.896	1.901	20,94	104,5	0,00	76,58	-	-	0,00	0,00	-
45	2.202	2.207	19,09	104,5	0,00	77,88	-	-	0,00	0,00	-
46	2.002	2.006	20,28	104,5	0,00	77,05	-	-	0,00	0,00	-
47	1.716	1.722	22,15	104,5	0,00	75,72	-	-	0,00	0,00	-
5	574	587	35,59	106,0	0,00	66,38	-	-	0,00	0,00	-
6	3.635	3.637	12,28	106,0	0,00	82,22	-	-	0,00	0,00	-
7	6.707	6.708	5,28	106,0	0,00	87,53	-	-	0,00	0,00	-
8	2.629	2.631	18,06	106,0	0,00	79,40	-	-	0,00	0,00	-
9	2.929	2.930	16,62	106,0	0,00	80,34	-	-	0,00	0,00	-
Sum			42,18								

- Data undefined due to calculation with octave data

Noise sensitive area: AC Noise sensitive point: User defined (31)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.043	3.045	14,63	106,0	0,00	80,67	-	-	0,00	0,00	-
10	2.597	2.599	18,22	106,0	0,00	79,30	-	-	0,00	0,00	-
11	2.171	2.174	20,55	106,0	0,00	77,74	-	-	0,00	0,00	-
12	2.524	2.527	18,59	106,0	0,00	79,05	-	-	0,00	0,00	-
13	2.288	2.291	19,87	106,0	0,00	78,20	-	-	0,00	0,00	-
14	3.868	3.870	12,98	106,0	0,00	82,75	-	-	0,00	0,00	-
15	4.279	4.281	11,68	106,0	0,00	83,63	-	-	0,00	0,00	-
16	4.380	4.382	11,38	106,0	0,00	83,83	-	-	0,00	0,00	-
17	5.995	5.996	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
18	6.053	6.054	7,21	106,0	0,00	86,64	-	-	0,00	0,00	-
19	6.227	6.228	6,85	106,0	0,00	86,89	-	-	0,00	0,00	-
2	2.661	2.664	16,41	106,0	0,00	79,51	-	-	0,00	0,00	-
20	6.318	6.319	6,66	106,0	0,00	87,01	-	-	0,00	0,00	-
21	6.353	6.354	6,59	106,0	0,00	87,06	-	-	0,00	0,00	-
22	7.430	7.431	4,60	106,0	0,00	88,42	-	-	0,00	0,00	-
23	7.620	7.621	4,28	106,0	0,00	88,64	-	-	0,00	0,00	-
24	7.963	7.964	3,73	106,0	0,00	89,02	-	-	0,00	0,00	-
25	3.046	3.047	15,20	104,5	0,00	80,68	-	-	0,00	0,00	-
26	2.755	2.756	16,39	104,5	0,00	79,80	-	-	0,00	0,00	-
27	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
28	2.407	2.408	17,99	104,5	0,00	78,63	-	-	0,00	0,00	-
29	2.236	2.238	18,92	104,5	0,00	78,00	-	-	0,00	0,00	-
3	1.480	1.486	24,10	106,0	0,00	74,44	-	-	0,00	0,00	-
30	1.404	1.406	24,58	104,5	0,00	73,96	-	-	0,00	0,00	-
31	1.098	1.100	27,44	104,5	0,00	71,83	-	-	0,00	0,00	-
32	718	722	32,19	104,5	0,00	68,17	-	-	0,00	0,00	-
33	680	685	32,77	104,5	0,00	67,71	-	-	0,00	0,00	-
34	2.855	2.856	15,97	104,5	0,00	80,11	-	-	0,00	0,00	-
35	3.775	3.776	12,63	104,5	0,00	82,54	-	-	0,00	0,00	-
36	4.175	4.176	11,42	104,5	0,00	83,41	-	-	0,00	0,00	-
37	2.959	2.963	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
38	2.422	2.426	19,40	106,0	0,00	78,70	-	-	0,00	0,00	-
39	1.921	1.927	22,28	106,0	0,00	76,70	-	-	0,00	0,00	-
4	355	378	40,57	106,0	0,00	62,55	-	-	0,00	0,00	-
40	1.720	1.726	23,63	106,0	0,00	75,74	-	-	0,00	0,00	-
41	1.189	1.198	27,96	106,0	0,00	72,57	-	-	0,00	0,00	-
42	1.852	1.858	22,73	106,0	0,00	76,38	-	-	0,00	0,00	-
43	6.774	6.774	5,70	104,5	0,00	87,62	-	-	0,00	0,00	-
44	2.039	2.044	20,05	104,5	0,00	77,21	-	-	0,00	0,00	-
45	2.339	2.343	18,34	104,5	0,00	78,39	-	-	0,00	0,00	-
46	2.127	2.132	19,52	104,5	0,00	77,58	-	-	0,00	0,00	-
47	1.853	1.858	21,22	104,5	0,00	76,38	-	-	0,00	0,00	-
5	697	709	33,37	106,0	0,00	68,01	-	-	0,00	0,00	-
6	3.491	3.494	12,81	106,0	0,00	81,87	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	6.566	6.568	5,51	106,0	0,00	87,35	-	-	0,00	0,00	-
8	2.658	2.661	17,91	106,0	0,00	79,50	-	-	0,00	0,00	-
9	2.937	2.939	16,58	106,0	0,00	80,36	-	-	0,00	0,00	-
Sum			43,21								

- Data undefined due to calculation with octave data

Noise sensitive area: AD Noise sensitive point: User defined (32)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.039	3.041	14,65	106,0	0,00	80,66	-	-	0,00	0,00	-
10	2.613	2.615	18,14	106,0	0,00	79,35	-	-	0,00	0,00	-
11	2.170	2.173	20,56	106,0	0,00	77,74	-	-	0,00	0,00	-
12	2.523	2.526	18,60	106,0	0,00	79,05	-	-	0,00	0,00	-
13	2.290	2.293	19,86	106,0	0,00	78,21	-	-	0,00	0,00	-
14	3.879	3.880	12,94	106,0	0,00	82,78	-	-	0,00	0,00	-
15	4.290	4.291	11,64	106,0	0,00	83,65	-	-	0,00	0,00	-
16	4.392	4.393	11,34	106,0	0,00	83,86	-	-	0,00	0,00	-
17	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
18	6.061	6.062	7,19	106,0	0,00	86,65	-	-	0,00	0,00	-
19	6.235	6.236	6,83	106,0	0,00	86,90	-	-	0,00	0,00	-
2	2.657	2.660	16,44	106,0	0,00	79,50	-	-	0,00	0,00	-
20	6.324	6.325	6,65	106,0	0,00	87,02	-	-	0,00	0,00	-
21	6.359	6.360	6,58	106,0	0,00	87,07	-	-	0,00	0,00	-
22	7.440	7.440	4,58	106,0	0,00	88,43	-	-	0,00	0,00	-
23	7.628	7.629	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
24	7.969	7.970	3,72	106,0	0,00	89,03	-	-	0,00	0,00	-
25	3.043	3.044	15,21	104,5	0,00	80,67	-	-	0,00	0,00	-
26	2.754	2.755	16,40	104,5	0,00	79,80	-	-	0,00	0,00	-
27	2.532	2.533	17,38	104,5	0,00	79,07	-	-	0,00	0,00	-
28	2.404	2.405	18,01	104,5	0,00	78,62	-	-	0,00	0,00	-
29	2.231	2.232	18,95	104,5	0,00	77,97	-	-	0,00	0,00	-
3	1.478	1.483	24,12	106,0	0,00	74,43	-	-	0,00	0,00	-
30	1.398	1.400	24,63	104,5	0,00	73,92	-	-	0,00	0,00	-
31	1.087	1.089	27,56	104,5	0,00	71,74	-	-	0,00	0,00	-
32	703	707	32,42	104,5	0,00	67,99	-	-	0,00	0,00	-
33	677	682	32,81	104,5	0,00	67,68	-	-	0,00	0,00	-
34	2.872	2.873	15,90	104,5	0,00	80,17	-	-	0,00	0,00	-
35	3.787	3.788	12,59	104,5	0,00	82,57	-	-	0,00	0,00	-
36	4.184	4.185	11,40	104,5	0,00	83,43	-	-	0,00	0,00	-
37	2.961	2.965	16,84	106,0	0,00	80,44	-	-	0,00	0,00	-
38	2.428	2.432	19,37	106,0	0,00	78,72	-	-	0,00	0,00	-
39	1.933	1.939	22,20	106,0	0,00	76,75	-	-	0,00	0,00	-
4	345	369	40,84	106,0	0,00	62,33	-	-	0,00	0,00	-
40	1.735	1.741	23,52	106,0	0,00	75,82	-	-	0,00	0,00	-
41	1.204	1.212	27,82	106,0	0,00	72,67	-	-	0,00	0,00	-
42	1.842	1.847	22,80	106,0	0,00	76,33	-	-	0,00	0,00	-
43	6.781	6.782	5,69	104,5	0,00	87,63	-	-	0,00	0,00	-
44	2.038	2.043	20,05	104,5	0,00	77,20	-	-	0,00	0,00	-
45	2.341	2.345	18,33	104,5	0,00	78,40	-	-	0,00	0,00	-
46	2.132	2.137	19,49	104,5	0,00	77,60	-	-	0,00	0,00	-
47	1.855	1.860	21,21	104,5	0,00	76,39	-	-	0,00	0,00	-
5	687	698	33,55	106,0	0,00	67,88	-	-	0,00	0,00	-
6	3.497	3.500	12,79	106,0	0,00	81,88	-	-	0,00	0,00	-
7	6.574	6.575	5,49	106,0	0,00	87,36	-	-	0,00	0,00	-
8	2.674	2.676	17,84	106,0	0,00	79,55	-	-	0,00	0,00	-
9	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
Sum			43,40								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskų k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: AE Noise sensitive point: User defined (33)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.512	3.514	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
10	2.497	2.499	18,74	106,0	0,00	78,96	-	-	0,00	0,00	-
11	1.781	1.785	23,05	106,0	0,00	76,03	-	-	0,00	0,00	-
12	2.122	2.125	20,84	106,0	0,00	77,55	-	-	0,00	0,00	-
13	1.854	1.858	22,55	106,0	0,00	76,38	-	-	0,00	0,00	-
14	3.392	3.394	14,65	106,0	0,00	81,61	-	-	0,00	0,00	-
15	3.805	3.806	13,19	106,0	0,00	82,61	-	-	0,00	0,00	-
16	3.915	3.916	12,82	106,0	0,00	82,86	-	-	0,00	0,00	-
17	5.516	5.518	8,40	106,0	0,00	85,83	-	-	0,00	0,00	-
18	5.571	5.572	8,28	106,0	0,00	85,92	-	-	0,00	0,00	-
19	5.744	5.745	7,88	106,0	0,00	86,19	-	-	0,00	0,00	-
2	3.134	3.136	14,25	106,0	0,00	80,93	-	-	0,00	0,00	-
20	5.843	5.844	7,66	106,0	0,00	86,33	-	-	0,00	0,00	-
21	5.872	5.873	7,60	106,0	0,00	86,38	-	-	0,00	0,00	-
22	6.950	6.951	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
23	7.137	7.138	5,11	106,0	0,00	88,07	-	-	0,00	0,00	-
24	7.483	7.484	4,51	106,0	0,00	88,48	-	-	0,00	0,00	-
25	3.502	3.503	13,53	104,5	0,00	81,89	-	-	0,00	0,00	-
26	3.198	3.199	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
27	2.961	2.962	15,54	104,5	0,00	80,43	-	-	0,00	0,00	-
28	2.865	2.866	15,93	104,5	0,00	80,15	-	-	0,00	0,00	-
29	2.713	2.714	16,57	104,5	0,00	79,67	-	-	0,00	0,00	-
3	1.938	1.942	20,60	106,0	0,00	76,77	-	-	0,00	0,00	-
30	1.885	1.886	21,04	104,5	0,00	76,51	-	-	0,00	0,00	-
31	1.574	1.576	23,22	104,5	0,00	74,95	-	-	0,00	0,00	-
32	874	878	30,01	104,5	0,00	69,87	-	-	0,00	0,00	-
33	420	428	37,79	104,5	0,00	63,63	-	-	0,00	0,00	-
34	2.643	2.644	16,88	104,5	0,00	79,45	-	-	0,00	0,00	-
35	3.312	3.313	14,20	104,5	0,00	81,40	-	-	0,00	0,00	-
36	3.693	3.693	12,90	104,5	0,00	82,35	-	-	0,00	0,00	-
37	2.528	2.532	18,86	106,0	0,00	79,07	-	-	0,00	0,00	-
38	2.759	2.763	17,75	106,0	0,00	79,83	-	-	0,00	0,00	-
39	1.462	1.470	25,56	106,0	0,00	74,34	-	-	0,00	0,00	-
4	468	485	37,80	106,0	0,00	64,71	-	-	0,00	0,00	-
40	1.350	1.357	26,50	106,0	0,00	73,65	-	-	0,00	0,00	-
41	817	829	32,15	106,0	0,00	69,38	-	-	0,00	0,00	-
42	2.329	2.334	19,89	106,0	0,00	78,36	-	-	0,00	0,00	-
43	6.292	6.292	6,56	104,5	0,00	86,98	-	-	0,00	0,00	-
44	2.482	2.486	17,59	104,5	0,00	78,91	-	-	0,00	0,00	-
45	2.743	2.746	16,32	104,5	0,00	79,77	-	-	0,00	0,00	-
46	2.488	2.492	17,56	104,5	0,00	78,93	-	-	0,00	0,00	-
47	2.263	2.267	18,75	104,5	0,00	78,11	-	-	0,00	0,00	-
5	1.175	1.182	27,04	106,0	0,00	72,45	-	-	0,00	0,00	-
6	3.015	3.017	14,76	106,0	0,00	80,59	-	-	0,00	0,00	-
7	6.083	6.085	6,33	106,0	0,00	86,69	-	-	0,00	0,00	-
8	2.672	2.674	17,84	106,0	0,00	79,54	-	-	0,00	0,00	-
9	2.874	2.876	16,88	106,0	0,00	80,17	-	-	0,00	0,00	-
Sum			42,57								

- Data undefined due to calculation with octave data

Noise sensitive area: AF Noise sensitive point: User defined (34)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	3.500	3.502	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
10	2.566	2.568	18,38	106,0	0,00	79,19	-	-	0,00	0,00	-
11	1.761	1.765	23,19	106,0	0,00	75,93	-	-	0,00	0,00	-
12	2.106	2.109	20,94	106,0	0,00	77,48	-	-	0,00	0,00	-
13	1.848	1.852	22,59	106,0	0,00	76,35	-	-	0,00	0,00	-
14	3.433	3.435	14,50	106,0	0,00	81,72	-	-	0,00	0,00	-
15	3.846	3.848	13,05	106,0	0,00	82,70	-	-	0,00	0,00	-
16	3.961	3.963	12,67	106,0	0,00	82,96	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	5.535	5.536	8,36	106,0	0,00	85,86	-	-	0,00	0,00	-
18	5.596	5.597	8,22	106,0	0,00	85,96	-	-	0,00	0,00	-
19	5.773	5.774	7,82	106,0	0,00	86,23	-	-	0,00	0,00	-
2	3.119	3.122	14,31	106,0	0,00	80,89	-	-	0,00	0,00	-
20	5.859	5.860	7,63	106,0	0,00	86,36	-	-	0,00	0,00	-
21	5.893	5.894	7,55	106,0	0,00	86,41	-	-	0,00	0,00	-
22	6.986	6.987	5,38	106,0	0,00	87,89	-	-	0,00	0,00	-
23	7.166	7.166	5,06	106,0	0,00	88,11	-	-	0,00	0,00	-
24	7.503	7.504	4,48	106,0	0,00	88,51	-	-	0,00	0,00	-
25	3.496	3.497	13,55	104,5	0,00	81,87	-	-	0,00	0,00	-
26	3.197	3.198	14,62	104,5	0,00	81,10	-	-	0,00	0,00	-
27	2.964	2.965	15,52	104,5	0,00	80,44	-	-	0,00	0,00	-
28	2.858	2.859	15,96	104,5	0,00	80,12	-	-	0,00	0,00	-
29	2.696	2.697	16,65	104,5	0,00	79,62	-	-	0,00	0,00	-
3	1.931	1.934	20,65	106,0	0,00	76,73	-	-	0,00	0,00	-
30	1.864	1.865	21,18	104,5	0,00	76,41	-	-	0,00	0,00	-
31	1.538	1.540	23,50	104,5	0,00	74,75	-	-	0,00	0,00	-
32	805	808	30,94	104,5	0,00	69,15	-	-	0,00	0,00	-
33	361	370	39,29	104,5	0,00	62,35	-	-	0,00	0,00	-
34	2.715	2.716	16,57	104,5	0,00	79,68	-	-	0,00	0,00	-
35	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
36	3.726	3.727	12,79	104,5	0,00	82,43	-	-	0,00	0,00	-
37	2.522	2.526	18,89	106,0	0,00	79,05	-	-	0,00	0,00	-
38	2.783	2.786	17,64	106,0	0,00	79,90	-	-	0,00	0,00	-
39	1.513	1.520	25,16	106,0	0,00	74,64	-	-	0,00	0,00	-
4	403	423	39,33	106,0	0,00	63,52	-	-	0,00	0,00	-
40	1.417	1.424	25,93	106,0	0,00	74,07	-	-	0,00	0,00	-
41	885	897	31,27	106,0	0,00	70,06	-	-	0,00	0,00	-
42	2.293	2.297	20,09	106,0	0,00	78,22	-	-	0,00	0,00	-
43	6.316	6.316	6,51	104,5	0,00	87,01	-	-	0,00	0,00	-
44	2.481	2.484	17,60	104,5	0,00	78,90	-	-	0,00	0,00	-
45	2.752	2.756	16,27	104,5	0,00	79,80	-	-	0,00	0,00	-
46	2.507	2.511	17,46	104,5	0,00	79,00	-	-	0,00	0,00	-
47	2.271	2.275	18,71	104,5	0,00	78,14	-	-	0,00	0,00	-
5	1.141	1.148	27,41	106,0	0,00	72,20	-	-	0,00	0,00	-
6	3.031	3.034	14,68	106,0	0,00	80,64	-	-	0,00	0,00	-
7	6.109	6.111	6,28	106,0	0,00	86,72	-	-	0,00	0,00	-
8	2.734	2.736	17,54	106,0	0,00	79,74	-	-	0,00	0,00	-
9	2.941	2.943	16,57	106,0	0,00	80,37	-	-	0,00	0,00	-
Sum			43,62								

- Data undefined due to calculation with octave data

Noise sensitive area: AG Noise sensitive point: User defined (35)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.076	6.077	6,34	106,0	0,00	86,67	-	-	0,00	0,00	-
10	3.491	3.493	14,29	106,0	0,00	81,86	-	-	0,00	0,00	-
11	1.591	1.594	24,45	106,0	0,00	75,05	-	-	0,00	0,00	-
12	1.443	1.447	25,64	106,0	0,00	74,21	-	-	0,00	0,00	-
13	1.224	1.229	27,59	106,0	0,00	72,79	-	-	0,00	0,00	-
14	1.089	1.093	28,96	106,0	0,00	71,77	-	-	0,00	0,00	-
15	1.470	1.474	25,41	106,0	0,00	74,37	-	-	0,00	0,00	-
16	1.729	1.731	23,43	106,0	0,00	75,77	-	-	0,00	0,00	-
17	2.953	2.955	16,51	106,0	0,00	80,41	-	-	0,00	0,00	-
18	2.987	2.989	16,36	106,0	0,00	80,51	-	-	0,00	0,00	-
19	3.170	3.171	15,56	106,0	0,00	81,02	-	-	0,00	0,00	-
2	5.704	5.705	7,03	106,0	0,00	86,13	-	-	0,00	0,00	-
20	3.301	3.303	15,01	106,0	0,00	81,38	-	-	0,00	0,00	-
21	3.296	3.298	15,03	106,0	0,00	81,36	-	-	0,00	0,00	-
22	4.432	4.433	11,23	106,0	0,00	83,93	-	-	0,00	0,00	-
23	4.560	4.561	10,86	106,0	0,00	84,18	-	-	0,00	0,00	-
24	4.910	4.911	9,90	106,0	0,00	84,82	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	6.037	6.037	7,04	104,5	0,00	86,62	-	-	0,00	0,00	-
26	5.710	5.710	7,70	104,5	0,00	86,13	-	-	0,00	0,00	-
27	5.446	5.446	8,25	104,5	0,00	85,72	-	-	0,00	0,00	-
28	5.411	5.412	8,33	104,5	0,00	85,67	-	-	0,00	0,00	-
29	5.292	5.292	8,59	104,5	0,00	85,47	-	-	0,00	0,00	-
3	4.494	4.495	9,70	106,0	0,00	84,06	-	-	0,00	0,00	-
30	4.468	4.469	10,61	104,5	0,00	84,00	-	-	0,00	0,00	-
31	4.139	4.139	11,53	104,5	0,00	83,34	-	-	0,00	0,00	-
32	3.131	3.132	14,87	104,5	0,00	80,92	-	-	0,00	0,00	-
33	2.540	2.541	17,35	104,5	0,00	79,10	-	-	0,00	0,00	-
34	3.073	3.074	15,09	104,5	0,00	80,75	-	-	0,00	0,00	-
35	1.285	1.287	25,62	104,5	0,00	73,19	-	-	0,00	0,00	-
36	1.174	1.176	26,67	104,5	0,00	72,41	-	-	0,00	0,00	-
37	1.144	1.153	28,40	106,0	0,00	72,24	-	-	0,00	0,00	-
38	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
39	1.389	1.397	26,16	106,0	0,00	73,90	-	-	0,00	0,00	-
4	2.922	2.925	15,17	106,0	0,00	80,32	-	-	0,00	0,00	-
40	1.994	1.999	21,83	106,0	0,00	77,01	-	-	0,00	0,00	-
41	2.189	2.194	20,67	106,0	0,00	77,82	-	-	0,00	0,00	-
42	4.888	4.890	10,43	106,0	0,00	84,79	-	-	0,00	0,00	-
43	3.709	3.709	12,84	104,5	0,00	82,39	-	-	0,00	0,00	-
44	5.005	5.007	8,69	104,5	0,00	84,99	-	-	0,00	0,00	-
45	5.178	5.180	8,29	104,5	0,00	85,29	-	-	0,00	0,00	-
46	4.843	4.844	9,07	104,5	0,00	84,70	-	-	0,00	0,00	-
47	4.730	4.732	9,35	104,5	0,00	84,50	-	-	0,00	0,00	-
5	3.747	3.749	11,88	106,0	0,00	82,48	-	-	0,00	0,00	-
6	549	563	36,08	106,0	0,00	66,02	-	-	0,00	0,00	-
7	3.500	3.503	12,78	106,0	0,00	81,89	-	-	0,00	0,00	-
8	4.030	4.032	12,45	106,0	0,00	83,11	-	-	0,00	0,00	-
9	3.883	3.884	12,93	106,0	0,00	82,79	-	-	0,00	0,00	-
Sum			39,75								

- Data undefined due to calculation with octave data

Noise sensitive area: AH Noise sensitive point: User defined (36)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.118	6.119	6,27	106,0	0,00	86,73	-	-	0,00	0,00	-
10	3.530	3.532	14,15	106,0	0,00	81,96	-	-	0,00	0,00	-
11	1.611	1.614	24,30	106,0	0,00	75,16	-	-	0,00	0,00	-
12	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
13	1.245	1.250	27,39	106,0	0,00	72,94	-	-	0,00	0,00	-
14	1.075	1.079	29,11	106,0	0,00	71,66	-	-	0,00	0,00	-
15	1.451	1.454	25,57	106,0	0,00	74,25	-	-	0,00	0,00	-
16	1.715	1.718	23,53	106,0	0,00	75,70	-	-	0,00	0,00	-
17	2.910	2.912	16,71	106,0	0,00	80,28	-	-	0,00	0,00	-
18	2.947	2.949	16,54	106,0	0,00	80,39	-	-	0,00	0,00	-
19	3.131	3.133	15,72	106,0	0,00	80,92	-	-	0,00	0,00	-
2	5.745	5.747	6,95	106,0	0,00	86,19	-	-	0,00	0,00	-
20	3.258	3.260	15,19	106,0	0,00	81,27	-	-	0,00	0,00	-
21	3.254	3.256	15,20	106,0	0,00	81,25	-	-	0,00	0,00	-
22	4.397	4.398	11,33	106,0	0,00	83,87	-	-	0,00	0,00	-
23	4.521	4.523	10,97	106,0	0,00	84,11	-	-	0,00	0,00	-
24	4.868	4.869	10,01	106,0	0,00	84,75	-	-	0,00	0,00	-
25	6.079	6.080	6,96	104,5	0,00	86,68	-	-	0,00	0,00	-
26	5.752	5.753	7,61	104,5	0,00	86,20	-	-	0,00	0,00	-
27	5.488	5.489	8,16	104,5	0,00	85,79	-	-	0,00	0,00	-
28	5.453	5.454	8,24	104,5	0,00	85,73	-	-	0,00	0,00	-
29	5.333	5.334	8,50	104,5	0,00	85,54	-	-	0,00	0,00	-
3	4.536	4.537	9,59	106,0	0,00	84,14	-	-	0,00	0,00	-
30	4.509	4.509	10,50	104,5	0,00	84,08	-	-	0,00	0,00	-
31	4.178	4.179	11,41	104,5	0,00	83,42	-	-	0,00	0,00	-
32	3.167	3.168	14,74	104,5	0,00	81,02	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	2.577	2.578	17,18	104,5	0,00	79,23	-	-	0,00	0,00	-
34	3.109	3.110	14,96	104,5	0,00	80,85	-	-	0,00	0,00	-
35	1.284	1.286	25,63	104,5	0,00	73,18	-	-	0,00	0,00	-
36	1.142	1.145	26,98	104,5	0,00	72,18	-	-	0,00	0,00	-
37	1.141	1.151	28,43	106,0	0,00	72,22	-	-	0,00	0,00	-
38	5.084	5.086	9,97	106,0	0,00	85,13	-	-	0,00	0,00	-
39	1.432	1.439	25,81	106,0	0,00	74,16	-	-	0,00	0,00	-
4	2.961	2.964	15,00	106,0	0,00	80,44	-	-	0,00	0,00	-
40	2.036	2.041	21,57	106,0	0,00	77,20	-	-	0,00	0,00	-
41	2.232	2.237	20,43	106,0	0,00	77,99	-	-	0,00	0,00	-
42	4.927	4.929	10,33	106,0	0,00	84,86	-	-	0,00	0,00	-
43	3.668	3.669	12,98	104,5	0,00	82,29	-	-	0,00	0,00	-
44	5.048	5.049	8,59	104,5	0,00	85,06	-	-	0,00	0,00	-
45	5.221	5.223	8,20	104,5	0,00	85,36	-	-	0,00	0,00	-
46	4.886	4.887	8,97	104,5	0,00	84,78	-	-	0,00	0,00	-
47	4.773	4.775	9,24	104,5	0,00	84,58	-	-	0,00	0,00	-
5	3.787	3.788	11,75	106,0	0,00	82,57	-	-	0,00	0,00	-
6	509	525	36,90	106,0	0,00	65,40	-	-	0,00	0,00	-
7	3.460	3.463	12,93	106,0	0,00	81,79	-	-	0,00	0,00	-
8	4.071	4.072	12,32	106,0	0,00	83,20	-	-	0,00	0,00	-
9	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
Sum			40,12								

- Data undefined due to calculation with octave data

Noise sensitive area: AI Noise sensitive point: User defined (37)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.006	6.007	6,47	106,0	0,00	86,57	-	-	0,00	0,00	-
10	3.603	3.604	13,89	106,0	0,00	82,14	-	-	0,00	0,00	-
11	1.359	1.364	26,35	106,0	0,00	73,69	-	-	0,00	0,00	-
12	1.190	1.195	27,92	106,0	0,00	72,55	-	-	0,00	0,00	-
13	998	1.004	29,96	106,0	0,00	71,03	-	-	0,00	0,00	-
14	1.338	1.342	26,54	106,0	0,00	73,56	-	-	0,00	0,00	-
15	1.708	1.711	23,58	106,0	0,00	75,67	-	-	0,00	0,00	-
16	1.979	1.981	21,74	106,0	0,00	76,94	-	-	0,00	0,00	-
17	3.019	3.021	16,21	106,0	0,00	80,60	-	-	0,00	0,00	-
18	3.097	3.099	15,87	106,0	0,00	80,82	-	-	0,00	0,00	-
19	3.302	3.304	15,00	106,0	0,00	81,38	-	-	0,00	0,00	-
2	5.630	5.631	7,17	106,0	0,00	86,01	-	-	0,00	0,00	-
20	3.349	3.351	14,81	106,0	0,00	81,50	-	-	0,00	0,00	-
21	3.379	3.380	14,70	106,0	0,00	81,58	-	-	0,00	0,00	-
22	4.598	4.599	10,75	106,0	0,00	84,25	-	-	0,00	0,00	-
23	4.686	4.687	10,51	106,0	0,00	84,42	-	-	0,00	0,00	-
24	4.987	4.988	9,70	106,0	0,00	84,96	-	-	0,00	0,00	-
25	5.981	5.981	7,15	104,5	0,00	86,54	-	-	0,00	0,00	-
26	5.661	5.662	7,80	104,5	0,00	86,06	-	-	0,00	0,00	-
27	5.404	5.405	8,35	104,5	0,00	85,66	-	-	0,00	0,00	-
28	5.349	5.350	8,47	104,5	0,00	85,57	-	-	0,00	0,00	-
29	5.211	5.211	8,78	104,5	0,00	85,34	-	-	0,00	0,00	-
3	4.426	4.428	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
30	4.380	4.380	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
31	4.030	4.030	11,85	104,5	0,00	83,11	-	-	0,00	0,00	-
32	2.986	2.987	15,44	104,5	0,00	80,50	-	-	0,00	0,00	-
33	2.414	2.415	17,95	104,5	0,00	78,66	-	-	0,00	0,00	-
34	3.222	3.223	14,53	104,5	0,00	81,16	-	-	0,00	0,00	-
35	1.546	1.547	23,44	104,5	0,00	74,79	-	-	0,00	0,00	-
36	1.370	1.372	24,87	104,5	0,00	73,75	-	-	0,00	0,00	-
37	886	898	31,26	106,0	0,00	70,06	-	-	0,00	0,00	-
38	5.038	5.040	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
39	1.430	1.437	25,83	106,0	0,00	74,15	-	-	0,00	0,00	-
4	2.806	2.809	15,71	106,0	0,00	79,97	-	-	0,00	0,00	-
40	2.050	2.055	21,48	106,0	0,00	77,26	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	2.183	2.187	20,71	106,0	0,00	77,80	-	-	0,00	0,00	-
42	4.773	4.775	10,71	106,0	0,00	84,58	-	-	0,00	0,00	-
43	3.809	3.810	12,52	104,5	0,00	82,62	-	-	0,00	0,00	-
44	4.951	4.953	8,82	104,5	0,00	84,90	-	-	0,00	0,00	-
45	5.148	5.149	8,36	104,5	0,00	85,24	-	-	0,00	0,00	-
46	4.826	4.828	9,11	104,5	0,00	84,68	-	-	0,00	0,00	-
47	4.690	4.692	9,45	104,5	0,00	84,43	-	-	0,00	0,00	-
5	3.644	3.646	12,25	106,0	0,00	82,24	-	-	0,00	0,00	-
6	522	538	36,62	106,0	0,00	65,61	-	-	0,00	0,00	-
7	3.613	3.615	12,36	106,0	0,00	82,16	-	-	0,00	0,00	-
8	4.121	4.122	12,16	106,0	0,00	83,30	-	-	0,00	0,00	-
9	4.002	4.003	12,54	106,0	0,00	83,05	-	-	0,00	0,00	-
Sum			40,24								

- Data undefined due to calculation with octave data

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.277	6.278	5,99	106,0	0,00	86,96	-	-	0,00	0,00	-
10	3.940	3.941	12,74	106,0	0,00	82,91	-	-	0,00	0,00	-
11	1.437	1.441	25,69	106,0	0,00	74,17	-	-	0,00	0,00	-
12	1.191	1.196	27,91	106,0	0,00	72,55	-	-	0,00	0,00	-
13	1.105	1.111	28,78	106,0	0,00	71,91	-	-	0,00	0,00	-
14	1.428	1.432	25,76	106,0	0,00	74,12	-	-	0,00	0,00	-
15	1.750	1.753	23,28	106,0	0,00	75,87	-	-	0,00	0,00	-
16	2.056	2.058	21,25	106,0	0,00	77,27	-	-	0,00	0,00	-
17	2.772	2.774	17,36	106,0	0,00	79,86	-	-	0,00	0,00	-
18	2.895	2.897	16,78	106,0	0,00	80,24	-	-	0,00	0,00	-
19	3.126	3.128	15,75	106,0	0,00	80,91	-	-	0,00	0,00	-
2	5.897	5.898	6,67	106,0	0,00	86,41	-	-	0,00	0,00	-
20	3.083	3.085	15,93	106,0	0,00	80,78	-	-	0,00	0,00	-
21	3.144	3.146	15,67	106,0	0,00	80,96	-	-	0,00	0,00	-
22	4.462	4.463	11,14	106,0	0,00	83,99	-	-	0,00	0,00	-
23	4.494	4.495	11,05	106,0	0,00	84,05	-	-	0,00	0,00	-
24	4.742	4.743	10,35	106,0	0,00	84,52	-	-	0,00	0,00	-
25	6.262	6.262	6,61	104,5	0,00	86,93	-	-	0,00	0,00	-
26	5.948	5.948	7,22	104,5	0,00	86,49	-	-	0,00	0,00	-
27	5.696	5.697	7,72	104,5	0,00	86,11	-	-	0,00	0,00	-
28	5.627	5.628	7,87	104,5	0,00	86,01	-	-	0,00	0,00	-
29	5.473	5.473	8,20	104,5	0,00	85,76	-	-	0,00	0,00	-
3	4.702	4.703	9,18	106,0	0,00	84,45	-	-	0,00	0,00	-
30	4.637	4.638	10,17	104,5	0,00	84,33	-	-	0,00	0,00	-
31	4.270	4.270	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
32	3.191	3.192	14,65	104,5	0,00	81,08	-	-	0,00	0,00	-
33	2.646	2.647	16,87	104,5	0,00	79,45	-	-	0,00	0,00	-
34	3.552	3.552	13,36	104,5	0,00	82,01	-	-	0,00	0,00	-
35	1.703	1.704	22,27	104,5	0,00	75,63	-	-	0,00	0,00	-
36	1.331	1.333	25,21	104,5	0,00	73,50	-	-	0,00	0,00	-
37	764	778	32,87	106,0	0,00	68,82	-	-	0,00	0,00	-
38	5.352	5.354	9,37	106,0	0,00	85,57	-	-	0,00	0,00	-
39	1.764	1.770	23,32	106,0	0,00	75,96	-	-	0,00	0,00	-
4	3.044	3.047	14,63	106,0	0,00	80,68	-	-	0,00	0,00	-
40	2.386	2.390	19,59	106,0	0,00	78,57	-	-	0,00	0,00	-
41	2.501	2.504	19,00	106,0	0,00	78,97	-	-	0,00	0,00	-
42	5.005	5.007	10,15	106,0	0,00	84,99	-	-	0,00	0,00	-
43	3.591	3.592	13,23	104,5	0,00	82,11	-	-	0,00	0,00	-
44	5.235	5.237	8,16	104,5	0,00	85,38	-	-	0,00	0,00	-
45	5.447	5.448	7,70	104,5	0,00	85,72	-	-	0,00	0,00	-
46	5.133	5.135	8,39	104,5	0,00	85,21	-	-	0,00	0,00	-
47	4.984	4.986	8,74	104,5	0,00	84,95	-	-	0,00	0,00	-
5	3.890	3.892	11,39	106,0	0,00	82,80	-	-	0,00	0,00	-
6	294	321	42,33	106,0	0,00	61,13	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskų k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	3.409	3.412	13,13	106,0	0,00	81,66	-	-	0,00	0,00	-
8	4.459	4.460	11,15	106,0	0,00	83,99	-	-	0,00	0,00	-
9	4.338	4.340	11,50	106,0	0,00	83,75	-	-	0,00	0,00	-
Sum			43,61								

- Data undefined due to calculation with octave data

Noise sensitive area: AK Noise sensitive point: User defined (39)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	6.323	6.324	5,91	106,0	0,00	87,02	-	-	0,00	0,00	-
10	3.966	3.967	12,66	106,0	0,00	82,97	-	-	0,00	0,00	-
11	1.484	1.488	25,29	106,0	0,00	74,45	-	-	0,00	0,00	-
12	1.236	1.240	27,48	106,0	0,00	72,87	-	-	0,00	0,00	-
13	1.154	1.160	28,28	106,0	0,00	72,29	-	-	0,00	0,00	-
14	1.402	1.405	25,99	106,0	0,00	73,96	-	-	0,00	0,00	-
15	1.716	1.719	23,52	106,0	0,00	75,71	-	-	0,00	0,00	-
16	2.025	2.028	21,44	106,0	0,00	77,14	-	-	0,00	0,00	-
17	2.723	2.725	17,59	106,0	0,00	79,71	-	-	0,00	0,00	-
18	2.846	2.848	17,01	106,0	0,00	80,09	-	-	0,00	0,00	-
19	3.077	3.079	15,96	106,0	0,00	80,77	-	-	0,00	0,00	-
2	5.944	5.945	6,58	106,0	0,00	86,48	-	-	0,00	0,00	-
20	3.035	3.037	16,14	106,0	0,00	80,65	-	-	0,00	0,00	-
21	3.095	3.097	15,88	106,0	0,00	80,82	-	-	0,00	0,00	-
22	4.414	4.415	11,28	106,0	0,00	83,90	-	-	0,00	0,00	-
23	4.444	4.445	11,19	106,0	0,00	83,96	-	-	0,00	0,00	-
24	4.694	4.695	10,48	106,0	0,00	84,43	-	-	0,00	0,00	-
25	6.307	6.308	6,53	104,5	0,00	87,00	-	-	0,00	0,00	-
26	5.993	5.993	7,13	104,5	0,00	86,55	-	-	0,00	0,00	-
27	5.740	5.741	7,63	104,5	0,00	86,18	-	-	0,00	0,00	-
28	5.673	5.673	7,77	104,5	0,00	86,08	-	-	0,00	0,00	-
29	5.520	5.520	8,10	104,5	0,00	85,84	-	-	0,00	0,00	-
3	4.747	4.749	9,07	106,0	0,00	84,53	-	-	0,00	0,00	-
30	4.685	4.685	10,04	104,5	0,00	84,41	-	-	0,00	0,00	-
31	4.318	4.318	11,02	104,5	0,00	83,71	-	-	0,00	0,00	-
32	3.240	3.241	14,46	104,5	0,00	81,21	-	-	0,00	0,00	-
33	2.694	2.695	16,66	104,5	0,00	79,61	-	-	0,00	0,00	-
34	3.571	3.571	13,30	104,5	0,00	82,06	-	-	0,00	0,00	-
35	1.684	1.686	22,41	104,5	0,00	75,54	-	-	0,00	0,00	-
36	1.291	1.293	25,57	104,5	0,00	73,23	-	-	0,00	0,00	-
37	800	814	32,37	106,0	0,00	69,21	-	-	0,00	0,00	-
38	5.393	5.394	9,28	106,0	0,00	85,64	-	-	0,00	0,00	-
39	1.797	1.803	23,10	106,0	0,00	76,12	-	-	0,00	0,00	-
4	3.092	3.095	14,42	106,0	0,00	80,81	-	-	0,00	0,00	-
40	2.418	2.422	19,42	106,0	0,00	78,68	-	-	0,00	0,00	-
41	2.540	2.544	18,80	106,0	0,00	79,11	-	-	0,00	0,00	-
42	5.053	5.055	10,04	106,0	0,00	85,07	-	-	0,00	0,00	-
43	3.542	3.542	13,40	104,5	0,00	81,99	-	-	0,00	0,00	-
44	5.280	5.282	8,06	104,5	0,00	85,46	-	-	0,00	0,00	-
45	5.490	5.491	7,61	104,5	0,00	85,79	-	-	0,00	0,00	-
46	5.175	5.177	8,30	104,5	0,00	85,28	-	-	0,00	0,00	-
47	5.028	5.030	8,64	104,5	0,00	85,03	-	-	0,00	0,00	-
5	3.938	3.940	11,23	106,0	0,00	82,91	-	-	0,00	0,00	-
6	246	278	43,86	106,0	0,00	59,88	-	-	0,00	0,00	-
7	3.360	3.362	13,32	106,0	0,00	81,53	-	-	0,00	0,00	-
8	4.488	4.489	11,06	106,0	0,00	84,04	-	-	0,00	0,00	-
9	4.363	4.364	11,43	106,0	0,00	83,80	-	-	0,00	0,00	-
Sum			44,75								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s**Noise sensitive area: AL Noise sensitive point: User defined (40)**

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.788	9.788	1,32	106,0	0,00	90,81	-	-	0,00	0,00	-
10	6.528	6.529	6,24	106,0	0,00	87,30	-	-	0,00	0,00	-
11	5.121	5.122	9,36	106,0	0,00	85,19	-	-	0,00	0,00	-
12	4.825	4.827	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
13	4.807	4.808	10,18	106,0	0,00	84,64	-	-	0,00	0,00	-
14	3.062	3.064	16,03	106,0	0,00	80,73	-	-	0,00	0,00	-
15	2.711	2.713	17,65	106,0	0,00	79,67	-	-	0,00	0,00	-
16	2.804	2.806	17,20	106,0	0,00	79,96	-	-	0,00	0,00	-
17	1.215	1.220	27,68	106,0	0,00	72,73	-	-	0,00	0,00	-
18	831	838	32,02	106,0	0,00	69,46	-	-	0,00	0,00	-
19	589	599	35,74	106,0	0,00	66,54	-	-	0,00	0,00	-
2	9.425	9.426	1,72	106,0	0,00	90,49	-	-	0,00	0,00	-
20	1.293	1.297	26,95	106,0	0,00	73,26	-	-	0,00	0,00	-
21	857	864	31,67	106,0	0,00	69,73	-	-	0,00	0,00	-
22	993	998	30,02	106,0	0,00	70,98	-	-	0,00	0,00	-
23	804	811	32,38	106,0	0,00	69,18	-	-	0,00	0,00	-
24	1.474	1.478	25,38	106,0	0,00	74,39	-	-	0,00	0,00	-
25	9.721	9.722	1,57	104,5	0,00	90,75	-	-	0,00	0,00	-
26	9.378	9.379	1,97	104,5	0,00	90,44	-	-	0,00	0,00	-
27	9.098	9.098	2,32	104,5	0,00	90,18	-	-	0,00	0,00	-
28	9.111	9.111	2,30	104,5	0,00	90,19	-	-	0,00	0,00	-
29	9.025	9.026	2,41	104,5	0,00	90,11	-	-	0,00	0,00	-
3	8.210	8.211	3,15	106,0	0,00	89,29	-	-	0,00	0,00	-
30	8.212	8.212	3,48	104,5	0,00	89,29	-	-	0,00	0,00	-
31	7.896	7.896	3,93	104,5	0,00	88,95	-	-	0,00	0,00	-
32	6.873	6.874	5,53	104,5	0,00	87,74	-	-	0,00	0,00	-
33	6.295	6.295	6,55	104,5	0,00	86,98	-	-	0,00	0,00	-
34	5.899	5.900	7,31	104,5	0,00	86,42	-	-	0,00	0,00	-
35	3.321	3.321	14,17	104,5	0,00	81,43	-	-	0,00	0,00	-
36	2.657	2.659	16,82	104,5	0,00	79,49	-	-	0,00	0,00	-
37	4.313	4.315	11,95	106,0	0,00	83,70	-	-	0,00	0,00	-
38	8.578	8.579	4,01	106,0	0,00	89,67	-	-	0,00	0,00	-
39	4.993	4.995	10,18	106,0	0,00	84,97	-	-	0,00	0,00	-
4	6.680	6.681	5,32	106,0	0,00	87,50	-	-	0,00	0,00	-
40	5.483	5.484	9,09	106,0	0,00	85,78	-	-	0,00	0,00	-
41	5.833	5.835	8,38	106,0	0,00	86,32	-	-	0,00	0,00	-
42	8.646	8.647	3,92	106,0	0,00	89,74	-	-	0,00	0,00	-
43	480	487	36,44	104,5	0,00	64,74	-	-	0,00	0,00	-
44	8.692	8.693	2,39	104,5	0,00	89,78	-	-	0,00	0,00	-
45	8.804	8.805	2,25	104,5	0,00	89,89	-	-	0,00	0,00	-
46	8.431	8.432	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
47	8.387	8.389	2,79	104,5	0,00	89,47	-	-	0,00	0,00	-
5	7.502	7.503	4,09	106,0	0,00	88,50	-	-	0,00	0,00	-
6	3.414	3.416	13,11	106,0	0,00	81,67	-	-	0,00	0,00	-
7	384	405	39,81	106,0	0,00	63,15	-	-	0,00	0,00	-
8	7.150	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
9	6.815	6.816	5,70	106,0	0,00	87,67	-	-	0,00	0,00	-
Sum			44,04								

- Data undefined due to calculation with octave data

Noise sensitive area: AM Noise sensitive point: User defined (41)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.834	9.834	1,28	106,0	0,00	90,85	-	-	0,00	0,00	-
10	6.589	6.590	6,13	106,0	0,00	87,38	-	-	0,00	0,00	-
11	5.148	5.149	9,29	106,0	0,00	85,23	-	-	0,00	0,00	-
12	4.850	4.851	10,06	106,0	0,00	84,72	-	-	0,00	0,00	-
13	4.837	4.838	10,10	106,0	0,00	84,69	-	-	0,00	0,00	-
14	3.115	3.117	15,80	106,0	0,00	80,87	-	-	0,00	0,00	-
15	2.767	2.769	17,38	106,0	0,00	79,85	-	-	0,00	0,00	-
16	2.866	2.867	16,92	106,0	0,00	80,15	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	1.206	1.211	27,77	106,0	0,00	72,66	-	-	0,00	0,00	-
18	850	857	31,77	106,0	0,00	69,65	-	-	0,00	0,00	-
19	634	642	34,97	106,0	0,00	67,15	-	-	0,00	0,00	-
2	9.470	9.471	1,67	106,0	0,00	90,53	-	-	0,00	0,00	-
20	1.261	1.266	27,24	106,0	0,00	73,05	-	-	0,00	0,00	-
21	836	843	31,95	106,0	0,00	69,52	-	-	0,00	0,00	-
22	1.020	1.025	29,71	106,0	0,00	71,22	-	-	0,00	0,00	-
23	764	771	32,95	106,0	0,00	68,74	-	-	0,00	0,00	-
24	1.404	1.408	25,97	106,0	0,00	73,97	-	-	0,00	0,00	-
25	9.769	9.769	1,51	104,5	0,00	90,80	-	-	0,00	0,00	-
26	9.427	9.427	1,91	104,5	0,00	90,49	-	-	0,00	0,00	-
27	9.147	9.148	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
28	9.158	9.158	2,24	104,5	0,00	90,24	-	-	0,00	0,00	-
29	9.069	9.069	2,35	104,5	0,00	90,15	-	-	0,00	0,00	-
3	8.255	8.256	3,09	106,0	0,00	89,34	-	-	0,00	0,00	-
30	8.255	8.255	3,42	104,5	0,00	89,33	-	-	0,00	0,00	-
31	7.935	7.936	3,87	104,5	0,00	88,99	-	-	0,00	0,00	-
32	6.908	6.909	5,47	104,5	0,00	87,79	-	-	0,00	0,00	-
33	6.332	6.333	6,48	104,5	0,00	87,03	-	-	0,00	0,00	-
34	5.962	5.962	7,19	104,5	0,00	86,51	-	-	0,00	0,00	-
35	3.378	3.379	13,97	104,5	0,00	81,57	-	-	0,00	0,00	-
36	2.704	2.705	16,61	104,5	0,00	79,64	-	-	0,00	0,00	-
37	4.336	4.338	11,89	106,0	0,00	83,75	-	-	0,00	0,00	-
38	8.631	8.632	3,94	106,0	0,00	89,72	-	-	0,00	0,00	-
39	5.041	5.043	10,07	106,0	0,00	85,05	-	-	0,00	0,00	-
4	6.719	6.720	5,26	106,0	0,00	87,55	-	-	0,00	0,00	-
40	5.534	5.535	8,98	106,0	0,00	85,86	-	-	0,00	0,00	-
41	5.880	5.882	8,28	106,0	0,00	86,39	-	-	0,00	0,00	-
42	8.685	8.686	3,87	106,0	0,00	89,78	-	-	0,00	0,00	-
43	429	436	37,59	104,5	0,00	63,79	-	-	0,00	0,00	-
44	8.740	8.741	2,33	104,5	0,00	89,83	-	-	0,00	0,00	-
45	8.854	8.855	2,19	104,5	0,00	89,94	-	-	0,00	0,00	-
46	8.483	8.484	2,67	104,5	0,00	89,57	-	-	0,00	0,00	-
47	8.436	8.437	2,73	104,5	0,00	89,52	-	-	0,00	0,00	-
5	7.542	7.543	4,04	106,0	0,00	88,55	-	-	0,00	0,00	-
6	3.445	3.448	12,99	106,0	0,00	81,75	-	-	0,00	0,00	-
7	374	395	40,08	106,0	0,00	62,93	-	-	0,00	0,00	-
8	7.210	7.211	4,98	106,0	0,00	88,16	-	-	0,00	0,00	-
9	6.878	6.878	5,58	106,0	0,00	87,75	-	-	0,00	0,00	-
Sum			44,30								

- Data undefined due to calculation with octave data

Noise sensitive area: AN Noise sensitive point: User defined (42)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.915	9.916	1,19	106,0	0,00	90,93	-	-	0,00	0,00	-
10	6.656	6.656	6,00	106,0	0,00	87,46	-	-	0,00	0,00	-
11	5.237	5.238	9,07	106,0	0,00	85,38	-	-	0,00	0,00	-
12	4.939	4.940	9,83	106,0	0,00	84,88	-	-	0,00	0,00	-
13	4.925	4.926	9,86	106,0	0,00	84,85	-	-	0,00	0,00	-
14	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
15	2.840	2.841	17,04	106,0	0,00	80,07	-	-	0,00	0,00	-
16	2.931	2.933	16,61	106,0	0,00	80,35	-	-	0,00	0,00	-
17	1.291	1.295	26,97	106,0	0,00	73,25	-	-	0,00	0,00	-
18	940	946	30,64	106,0	0,00	70,52	-	-	0,00	0,00	-
19	716	723	33,66	106,0	0,00	68,19	-	-	0,00	0,00	-
2	9.552	9.553	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
20	1.332	1.336	26,60	106,0	0,00	73,52	-	-	0,00	0,00	-
21	915	922	30,94	106,0	0,00	70,29	-	-	0,00	0,00	-
22	952	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
23	678	687	34,24	106,0	0,00	67,73	-	-	0,00	0,00	-
24	1.363	1.368	26,31	106,0	0,00	73,72	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskis k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	9.850	9.850	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
26	9.507	9.507	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
27	9.227	9.227	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
28	9.239	9.239	2,14	104,5	0,00	90,31	-	-	0,00	0,00	-
29	9.152	9.152	2,25	104,5	0,00	90,23	-	-	0,00	0,00	-
3	8.338	8.339	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
30	8.339	8.339	3,31	104,5	0,00	89,42	-	-	0,00	0,00	-
31	8.021	8.021	3,75	104,5	0,00	89,08	-	-	0,00	0,00	-
32	6.995	6.996	5,32	104,5	0,00	87,90	-	-	0,00	0,00	-
33	6.419	6.419	6,32	104,5	0,00	87,15	-	-	0,00	0,00	-
34	6.026	6.026	7,06	104,5	0,00	86,60	-	-	0,00	0,00	-
35	3.449	3.450	13,71	104,5	0,00	81,76	-	-	0,00	0,00	-
36	2.785	2.786	16,26	104,5	0,00	79,90	-	-	0,00	0,00	-
37	4.425	4.428	11,62	106,0	0,00	83,92	-	-	0,00	0,00	-
38	8.707	8.708	3,85	106,0	0,00	89,80	-	-	0,00	0,00	-
39	5.121	5.123	9,88	106,0	0,00	85,19	-	-	0,00	0,00	-
4	6.804	6.805	5,13	106,0	0,00	87,66	-	-	0,00	0,00	-
40	5.611	5.613	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
41	5.961	5.963	8,13	106,0	0,00	86,51	-	-	0,00	0,00	-
42	8.771	8.772	3,76	106,0	0,00	89,86	-	-	0,00	0,00	-
43	484	490	36,36	104,5	0,00	64,81	-	-	0,00	0,00	-
44	8.821	8.822	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-
45	8.933	8.934	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
46	8.560	8.561	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
47	8.516	8.517	2,62	104,5	0,00	89,61	-	-	0,00	0,00	-
5	7.627	7.628	3,92	106,0	0,00	88,65	-	-	0,00	0,00	-
6	3.534	3.536	12,65	106,0	0,00	81,97	-	-	0,00	0,00	-
7	460	478	37,96	106,0	0,00	64,59	-	-	0,00	0,00	-
8	7.277	7.278	4,86	106,0	0,00	88,24	-	-	0,00	0,00	-
9	6.942	6.942	5,46	106,0	0,00	87,83	-	-	0,00	0,00	-
Sum			43,18								

- Data undefined due to calculation with octave data

Noise sensitive area: AO Noise sensitive point: User defined (43)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	9.911	9.912	1,19	106,0	0,00	90,92	-	-	0,00	0,00	-
10	6.662	6.662	5,99	106,0	0,00	87,47	-	-	0,00	0,00	-
11	5.224	5.225	9,10	106,0	0,00	85,36	-	-	0,00	0,00	-
12	4.924	4.925	9,87	106,0	0,00	84,85	-	-	0,00	0,00	-
13	4.913	4.914	9,90	106,0	0,00	84,83	-	-	0,00	0,00	-
14	3.191	3.193	15,47	106,0	0,00	81,08	-	-	0,00	0,00	-
15	2.842	2.844	17,02	106,0	0,00	80,08	-	-	0,00	0,00	-
16	2.938	2.939	16,58	106,0	0,00	80,37	-	-	0,00	0,00	-
17	1.265	1.270	27,20	106,0	0,00	73,07	-	-	0,00	0,00	-
18	924	930	30,83	106,0	0,00	70,37	-	-	0,00	0,00	-
19	711	719	33,73	106,0	0,00	68,13	-	-	0,00	0,00	-
2	9.548	9.548	1,58	106,0	0,00	90,60	-	-	0,00	0,00	-
20	1.300	1.305	26,88	106,0	0,00	73,31	-	-	0,00	0,00	-
21	887	893	31,29	106,0	0,00	70,02	-	-	0,00	0,00	-
22	984	990	30,12	106,0	0,00	70,91	-	-	0,00	0,00	-
23	686	694	34,12	106,0	0,00	67,83	-	-	0,00	0,00	-
24	1.345	1.350	26,47	106,0	0,00	73,60	-	-	0,00	0,00	-
25	9.847	9.847	1,42	104,5	0,00	90,87	-	-	0,00	0,00	-
26	9.504	9.505	1,82	104,5	0,00	90,56	-	-	0,00	0,00	-
27	9.225	9.225	2,16	104,5	0,00	90,30	-	-	0,00	0,00	-
28	9.235	9.235	2,15	104,5	0,00	90,31	-	-	0,00	0,00	-
29	9.147	9.147	2,26	104,5	0,00	90,23	-	-	0,00	0,00	-
3	8.333	8.334	2,99	106,0	0,00	89,42	-	-	0,00	0,00	-
30	8.333	8.333	3,32	104,5	0,00	89,42	-	-	0,00	0,00	-
31	8.013	8.013	3,76	104,5	0,00	89,08	-	-	0,00	0,00	-
32	6.985	6.986	5,34	104,5	0,00	87,88	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
33	6.410	6.410	6,34	104,5	0,00	87,14	-	-	0,00	0,00	-
34	6.033	6.033	7,05	104,5	0,00	86,61	-	-	0,00	0,00	-
35	3.453	3.453	13,70	104,5	0,00	81,76	-	-	0,00	0,00	-
36	2.782	2.783	16,28	104,5	0,00	79,89	-	-	0,00	0,00	-
37	4.410	4.412	11,66	106,0	0,00	83,89	-	-	0,00	0,00	-
38	8.707	8.708	3,84	106,0	0,00	89,80	-	-	0,00	0,00	-
39	5.118	5.120	9,89	106,0	0,00	85,19	-	-	0,00	0,00	-
4	6.796	6.797	5,14	106,0	0,00	87,65	-	-	0,00	0,00	-
40	5.611	5.612	8,82	106,0	0,00	85,98	-	-	0,00	0,00	-
41	5.958	5.960	8,13	106,0	0,00	86,50	-	-	0,00	0,00	-
42	8.763	8.764	3,77	106,0	0,00	89,85	-	-	0,00	0,00	-
43	451	458	37,07	104,5	0,00	64,22	-	-	0,00	0,00	-
44	8.817	8.818	2,23	104,5	0,00	89,91	-	-	0,00	0,00	-
45	8.931	8.932	2,09	104,5	0,00	90,02	-	-	0,00	0,00	-
46	8.559	8.560	2,56	104,5	0,00	89,65	-	-	0,00	0,00	-
47	8.514	8.515	2,62	104,5	0,00	89,60	-	-	0,00	0,00	-
5	7.620	7.621	3,93	106,0	0,00	88,64	-	-	0,00	0,00	-
6	3.522	3.524	12,70	106,0	0,00	81,94	-	-	0,00	0,00	-
7	437	455	38,50	106,0	0,00	64,17	-	-	0,00	0,00	-
8	7.283	7.284	4,85	106,0	0,00	88,25	-	-	0,00	0,00	-
9	6.949	6.950	5,45	106,0	0,00	87,84	-	-	0,00	0,00	-
Sum			43,52								

- Data undefined due to calculation with octave data

Noise sensitive area: AP Noise sensitive point: User defined (48)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.087	5.089	8,29	106,0	0,00	85,13	-	-	0,00	0,00	-
10	1.159	1.164	28,23	106,0	0,00	72,32	-	-	0,00	0,00	-
11	4.656	4.658	10,59	106,0	0,00	84,36	-	-	0,00	0,00	-
12	4.825	4.826	10,13	106,0	0,00	84,67	-	-	0,00	0,00	-
13	4.440	4.442	11,20	106,0	0,00	83,95	-	-	0,00	0,00	-
14	3.746	3.747	13,39	106,0	0,00	82,47	-	-	0,00	0,00	-
15	3.921	3.922	12,80	106,0	0,00	82,87	-	-	0,00	0,00	-
16	3.707	3.709	13,52	106,0	0,00	82,38	-	-	0,00	0,00	-
17	6.267	6.268	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
18	6.001	6.002	7,32	106,0	0,00	86,57	-	-	0,00	0,00	-
19	5.955	5.956	7,42	106,0	0,00	86,50	-	-	0,00	0,00	-
2	4.887	4.889	8,75	106,0	0,00	84,78	-	-	0,00	0,00	-
20	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
21	6.454	6.455	6,39	106,0	0,00	87,20	-	-	0,00	0,00	-
22	6.564	6.565	6,17	106,0	0,00	87,34	-	-	0,00	0,00	-
23	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
24	7.901	7.902	3,82	106,0	0,00	88,96	-	-	0,00	0,00	-
25	4.848	4.848	9,64	104,5	0,00	84,71	-	-	0,00	0,00	-
26	4.492	4.493	10,54	104,5	0,00	84,05	-	-	0,00	0,00	-
27	4.199	4.200	11,35	104,5	0,00	83,46	-	-	0,00	0,00	-
28	4.489	4.490	10,55	104,5	0,00	84,04	-	-	0,00	0,00	-
29	4.715	4.716	9,97	104,5	0,00	84,47	-	-	0,00	0,00	-
3	4.017	4.019	10,99	106,0	0,00	83,08	-	-	0,00	0,00	-
30	4.314	4.315	11,03	104,5	0,00	83,70	-	-	0,00	0,00	-
31	4.426	4.427	10,72	104,5	0,00	83,92	-	-	0,00	0,00	-
32	4.412	4.413	10,76	104,5	0,00	83,90	-	-	0,00	0,00	-
33	3.977	3.978	12,00	104,5	0,00	82,99	-	-	0,00	0,00	-
34	1.012	1.015	28,36	104,5	0,00	71,13	-	-	0,00	0,00	-
35	3.359	3.360	14,03	104,5	0,00	81,53	-	-	0,00	0,00	-
36	4.272	4.273	11,15	104,5	0,00	83,61	-	-	0,00	0,00	-
37	4.886	4.889	10,43	106,0	0,00	84,78	-	-	0,00	0,00	-
38	3.354	3.357	15,23	106,0	0,00	81,52	-	-	0,00	0,00	-
39	2.986	2.990	16,73	106,0	0,00	80,51	-	-	0,00	0,00	-
4	3.988	3.990	11,08	106,0	0,00	83,02	-	-	0,00	0,00	-
40	2.497	2.502	19,01	106,0	0,00	78,96	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
41	2.873	2.877	17,23	106,0	0,00	80,18	-	-	0,00	0,00	-
42	4.965	4.967	10,24	106,0	0,00	84,92	-	-	0,00	0,00	-
43	6.667	6.667	5,88	104,5	0,00	87,48	-	-	0,00	0,00	-
44	4.111	4.114	11,07	104,5	0,00	83,28	-	-	0,00	0,00	-
45	3.861	3.864	11,89	104,5	0,00	82,74	-	-	0,00	0,00	-
46	3.449	3.452	13,36	104,5	0,00	81,76	-	-	0,00	0,00	-
47	3.738	3.741	12,32	104,5	0,00	82,46	-	-	0,00	0,00	-
5	4.149	4.151	10,62	106,0	0,00	83,36	-	-	0,00	0,00	-
6	4.519	4.521	9,63	106,0	0,00	84,10	-	-	0,00	0,00	-
7	6.395	6.397	5,79	106,0	0,00	87,12	-	-	0,00	0,00	-
8	1.454	1.458	25,54	106,0	0,00	74,28	-	-	0,00	0,00	-
9	958	964	30,42	106,0	0,00	70,68	-	-	0,00	0,00	-
Sum			35,39								

- Data undefined due to calculation with octave data

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	5.051	5.052	8,38	106,0	0,00	85,07	-	-	0,00	0,00	-
10	1.117	1.123	28,65	106,0	0,00	72,01	-	-	0,00	0,00	-
11	4.622	4.623	10,68	106,0	0,00	84,30	-	-	0,00	0,00	-
12	4.792	4.793	10,22	106,0	0,00	84,61	-	-	0,00	0,00	-
13	4.407	4.409	11,30	106,0	0,00	83,89	-	-	0,00	0,00	-
14	3.731	3.733	13,44	106,0	0,00	82,44	-	-	0,00	0,00	-
15	3.910	3.912	12,84	106,0	0,00	82,85	-	-	0,00	0,00	-
16	3.700	3.701	13,55	106,0	0,00	82,37	-	-	0,00	0,00	-
17	6.256	6.258	6,79	106,0	0,00	86,93	-	-	0,00	0,00	-
18	5.994	5.995	7,33	106,0	0,00	86,56	-	-	0,00	0,00	-
19	5.950	5.952	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
2	4.849	4.851	8,83	106,0	0,00	84,72	-	-	0,00	0,00	-
20	6.669	6.670	5,97	106,0	0,00	87,48	-	-	0,00	0,00	-
21	6.446	6.447	6,40	106,0	0,00	87,19	-	-	0,00	0,00	-
22	6.568	6.569	6,17	106,0	0,00	87,35	-	-	0,00	0,00	-
23	7.149	7.150	5,09	106,0	0,00	88,09	-	-	0,00	0,00	-
24	7.898	7.899	3,83	106,0	0,00	88,95	-	-	0,00	0,00	-
25	4.812	4.812	9,72	104,5	0,00	84,65	-	-	0,00	0,00	-
26	4.456	4.457	10,64	104,5	0,00	83,98	-	-	0,00	0,00	-
27	4.162	4.163	11,46	104,5	0,00	83,39	-	-	0,00	0,00	-
28	4.451	4.452	10,66	104,5	0,00	83,97	-	-	0,00	0,00	-
29	4.676	4.676	10,07	104,5	0,00	84,40	-	-	0,00	0,00	-
3	3.977	3.979	11,11	106,0	0,00	82,99	-	-	0,00	0,00	-
30	4.273	4.274	11,14	104,5	0,00	83,62	-	-	0,00	0,00	-
31	4.384	4.385	10,84	104,5	0,00	83,84	-	-	0,00	0,00	-
32	4.371	4.372	10,87	104,5	0,00	83,81	-	-	0,00	0,00	-
33	3.937	3.938	12,13	104,5	0,00	82,91	-	-	0,00	0,00	-
34	977	980	28,76	104,5	0,00	70,83	-	-	0,00	0,00	-
35	3.346	3.347	14,08	104,5	0,00	81,49	-	-	0,00	0,00	-
36	4.258	4.259	11,19	104,5	0,00	83,59	-	-	0,00	0,00	-
37	4.856	4.859	10,50	106,0	0,00	84,73	-	-	0,00	0,00	-
38	3.319	3.322	15,37	106,0	0,00	81,43	-	-	0,00	0,00	-
39	2.953	2.957	16,87	106,0	0,00	80,42	-	-	0,00	0,00	-
4	3.947	3.949	11,20	106,0	0,00	82,93	-	-	0,00	0,00	-
40	2.461	2.465	19,20	106,0	0,00	78,84	-	-	0,00	0,00	-
41	2.834	2.838	17,40	106,0	0,00	80,06	-	-	0,00	0,00	-
42	4.924	4.926	10,34	106,0	0,00	84,85	-	-	0,00	0,00	-
43	6.662	6.662	5,89	104,5	0,00	87,47	-	-	0,00	0,00	-
44	4.072	4.075	11,20	104,5	0,00	83,20	-	-	0,00	0,00	-
45	3.824	3.827	12,02	104,5	0,00	82,66	-	-	0,00	0,00	-
46	3.411	3.414	13,50	104,5	0,00	81,67	-	-	0,00	0,00	-
47	3.699	3.701	12,45	104,5	0,00	82,37	-	-	0,00	0,00	-
5	4.107	4.109	10,73	106,0	0,00	83,28	-	-	0,00	0,00	-
6	4.495	4.498	9,69	106,0	0,00	84,06	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vējo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB InfraplanasInovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
7	6.391	6.392	5,80	106,0	0,00	87,11	-	-	0,00	0,00	-
8	1.417	1.421	25,85	106,0	0,00	74,05	-	-	0,00	0,00	-
9	919	926	30,88	106,0	0,00	70,33	-	-	0,00	0,00	-
Sum			35,75								

- Data undefined due to calculation with octave data

Noise sensitive area: AR Noise sensitive point: User defined (50)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.655	4.656	9,30	106,0	0,00	84,36	-	-	0,00	0,00	-
10	1.013	1.019	29,79	106,0	0,00	71,16	-	-	0,00	0,00	-
11	4.758	4.760	10,31	106,0	0,00	84,55	-	-	0,00	0,00	-
12	4.960	4.962	9,77	106,0	0,00	84,91	-	-	0,00	0,00	-
13	4.577	4.579	10,81	106,0	0,00	84,21	-	-	0,00	0,00	-
14	4.128	4.129	12,14	106,0	0,00	83,32	-	-	0,00	0,00	-
15	4.336	4.337	11,51	106,0	0,00	83,74	-	-	0,00	0,00	-
16	4.145	4.147	12,09	106,0	0,00	83,35	-	-	0,00	0,00	-
17	6.679	6.680	5,95	106,0	0,00	87,50	-	-	0,00	0,00	-
18	6.438	6.439	6,42	106,0	0,00	87,18	-	-	0,00	0,00	-
19	6.409	6.410	6,48	106,0	0,00	87,14	-	-	0,00	0,00	-
2	4.477	4.479	9,74	106,0	0,00	84,02	-	-	0,00	0,00	-
20	7.089	7.090	5,19	106,0	0,00	88,01	-	-	0,00	0,00	-
21	6.884	6.885	5,57	106,0	0,00	87,76	-	-	0,00	0,00	-
22	7.064	7.065	5,24	106,0	0,00	87,98	-	-	0,00	0,00	-
23	7.629	7.630	4,27	106,0	0,00	88,65	-	-	0,00	0,00	-
24	8.359	8.360	3,12	106,0	0,00	89,44	-	-	0,00	0,00	-
25	4.401	4.402	10,79	104,5	0,00	83,87	-	-	0,00	0,00	-
26	4.054	4.054	11,78	104,5	0,00	83,16	-	-	0,00	0,00	-
27	3.767	3.768	12,66	104,5	0,00	82,52	-	-	0,00	0,00	-
28	4.082	4.083	11,69	104,5	0,00	83,22	-	-	0,00	0,00	-
29	4.339	4.339	10,96	104,5	0,00	83,75	-	-	0,00	0,00	-
3	3.688	3.690	12,09	106,0	0,00	82,34	-	-	0,00	0,00	-
30	4.009	4.010	11,91	104,5	0,00	83,06	-	-	0,00	0,00	-
31	4.172	4.173	11,43	104,5	0,00	83,41	-	-	0,00	0,00	-
32	4.294	4.295	11,09	104,5	0,00	83,66	-	-	0,00	0,00	-
33	3.920	3.921	12,18	104,5	0,00	82,87	-	-	0,00	0,00	-
34	1.196	1.198	26,45	104,5	0,00	72,57	-	-	0,00	0,00	-
35	3.754	3.755	12,70	104,5	0,00	82,49	-	-	0,00	0,00	-
36	4.653	4.654	10,12	104,5	0,00	84,36	-	-	0,00	0,00	-
37	5.075	5.077	9,99	106,0	0,00	85,11	-	-	0,00	0,00	-
38	2.909	2.913	17,07	106,0	0,00	80,29	-	-	0,00	0,00	-
39	3.135	3.139	16,10	106,0	0,00	80,93	-	-	0,00	0,00	-
4	3.877	3.879	11,43	106,0	0,00	82,77	-	-	0,00	0,00	-
40	2.583	2.587	18,59	106,0	0,00	79,26	-	-	0,00	0,00	-
41	2.876	2.880	17,21	106,0	0,00	80,19	-	-	0,00	0,00	-
42	4.656	4.658	11,00	106,0	0,00	84,36	-	-	0,00	0,00	-
43	7.116	7.117	5,13	104,5	0,00	88,05	-	-	0,00	0,00	-
44	3.724	3.726	12,36	104,5	0,00	82,43	-	-	0,00	0,00	-
45	3.435	3.438	13,41	104,5	0,00	81,73	-	-	0,00	0,00	-
46	3.035	3.038	15,02	104,5	0,00	80,65	-	-	0,00	0,00	-
47	3.358	3.361	13,71	104,5	0,00	81,53	-	-	0,00	0,00	-
5	3.931	3.933	11,25	106,0	0,00	82,89	-	-	0,00	0,00	-
6	4.804	4.806	8,94	106,0	0,00	84,64	-	-	0,00	0,00	-
7	6.847	6.848	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	1.071	1.077	29,14	106,0	0,00	71,64	-	-	0,00	0,00	-
9	656	665	34,59	106,0	0,00	67,46	-	-	0,00	0,00	-
Sum			37,61								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s
Noise sensitive area: AS Noise sensitive point: User defined (51)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.631	4.633	9,35	106,0	0,00	84,32	-	-	0,00	0,00	-
10	962	968	30,37	106,0	0,00	70,72	-	-	0,00	0,00	-
11	4.707	4.708	10,45	106,0	0,00	84,46	-	-	0,00	0,00	-
12	4.909	4.910	9,91	106,0	0,00	84,82	-	-	0,00	0,00	-
13	4.526	4.527	10,95	106,0	0,00	84,12	-	-	0,00	0,00	-
14	4.087	4.088	12,27	106,0	0,00	83,23	-	-	0,00	0,00	-
15	4.297	4.299	11,62	106,0	0,00	83,67	-	-	0,00	0,00	-
16	4.109	4.111	12,20	106,0	0,00	83,28	-	-	0,00	0,00	-
17	6.640	6.641	6,03	106,0	0,00	87,44	-	-	0,00	0,00	-
18	6.401	6.402	6,49	106,0	0,00	87,13	-	-	0,00	0,00	-
19	6.374	6.375	6,55	106,0	0,00	87,09	-	-	0,00	0,00	-
2	4.451	4.453	9,81	106,0	0,00	83,97	-	-	0,00	0,00	-
20	7.049	7.050	5,27	106,0	0,00	87,96	-	-	0,00	0,00	-
21	6.846	6.848	5,64	106,0	0,00	87,71	-	-	0,00	0,00	-
22	7.037	7.038	5,29	106,0	0,00	87,95	-	-	0,00	0,00	-
23	7.599	7.600	4,32	106,0	0,00	88,62	-	-	0,00	0,00	-
24	8.325	8.326	3,17	106,0	0,00	89,41	-	-	0,00	0,00	-
25	4.380	4.381	10,85	104,5	0,00	83,83	-	-	0,00	0,00	-
26	4.031	4.032	11,84	104,5	0,00	83,11	-	-	0,00	0,00	-
27	3.744	3.744	12,73	104,5	0,00	82,47	-	-	0,00	0,00	-
28	4.055	4.056	11,77	104,5	0,00	83,16	-	-	0,00	0,00	-
29	4.308	4.308	11,05	104,5	0,00	83,69	-	-	0,00	0,00	-
3	3.652	3.654	12,22	106,0	0,00	82,26	-	-	0,00	0,00	-
30	3.971	3.972	12,02	104,5	0,00	82,98	-	-	0,00	0,00	-
31	4.130	4.131	11,55	104,5	0,00	83,32	-	-	0,00	0,00	-
32	4.245	4.246	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
33	3.869	3.870	12,33	104,5	0,00	82,75	-	-	0,00	0,00	-
34	1.148	1.150	26,93	104,5	0,00	72,22	-	-	0,00	0,00	-
35	3.714	3.715	12,83	104,5	0,00	82,40	-	-	0,00	0,00	-
36	4.612	4.613	10,23	104,5	0,00	84,28	-	-	0,00	0,00	-
37	5.024	5.027	10,11	106,0	0,00	85,03	-	-	0,00	0,00	-
38	2.887	2.891	17,16	106,0	0,00	80,22	-	-	0,00	0,00	-
39	3.084	3.087	16,31	106,0	0,00	80,79	-	-	0,00	0,00	-
4	3.828	3.830	11,60	106,0	0,00	82,66	-	-	0,00	0,00	-
40	2.531	2.535	18,84	106,0	0,00	79,08	-	-	0,00	0,00	-
41	2.824	2.828	17,45	106,0	0,00	80,03	-	-	0,00	0,00	-
42	4.618	4.621	11,09	106,0	0,00	84,29	-	-	0,00	0,00	-
43	7.081	7.082	5,18	104,5	0,00	88,00	-	-	0,00	0,00	-
44	3.694	3.697	12,47	104,5	0,00	82,36	-	-	0,00	0,00	-
45	3.410	3.413	13,51	104,5	0,00	81,66	-	-	0,00	0,00	-
46	3.008	3.012	15,13	104,5	0,00	80,58	-	-	0,00	0,00	-
47	3.328	3.331	13,83	104,5	0,00	81,45	-	-	0,00	0,00	-
5	3.886	3.889	11,40	106,0	0,00	82,80	-	-	0,00	0,00	-
6	4.757	4.759	9,05	106,0	0,00	84,55	-	-	0,00	0,00	-
7	6.812	6.813	5,11	106,0	0,00	87,67	-	-	0,00	0,00	-
8	1.037	1.043	29,52	106,0	0,00	71,36	-	-	0,00	0,00	-
9	611	620	35,36	106,0	0,00	66,85	-	-	0,00	0,00	-
Sum			38,20								

- Data undefined due to calculation with octave data

Noise sensitive area: AT Noise sensitive point: User defined (52)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.425	4.427	9,87	106,0	0,00	83,92	-	-	0,00	0,00	-
10	585	595	35,80	106,0	0,00	66,49	-	-	0,00	0,00	-
11	3.373	3.375	14,72	106,0	0,00	81,56	-	-	0,00	0,00	-
12	3.567	3.568	14,01	106,0	0,00	82,05	-	-	0,00	0,00	-
13	3.183	3.185	15,50	106,0	0,00	81,06	-	-	0,00	0,00	-
14	2.978	2.980	16,40	106,0	0,00	80,49	-	-	0,00	0,00	-
15	3.263	3.265	15,16	106,0	0,00	81,28	-	-	0,00	0,00	-
16	3.154	3.155	15,63	106,0	0,00	80,98	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
17	5.548	5.549	8,33	106,0	0,00	85,88	-	-	0,00	0,00	-
18	5.379	5.380	8,73	106,0	0,00	85,62	-	-	0,00	0,00	-
19	5.408	5.409	8,66	106,0	0,00	85,66	-	-	0,00	0,00	-
2	4.151	4.153	10,61	106,0	0,00	83,37	-	-	0,00	0,00	-
20	5.948	5.949	7,43	106,0	0,00	86,49	-	-	0,00	0,00	-
21	5.799	5.800	7,76	106,0	0,00	86,27	-	-	0,00	0,00	-
22	6.265	6.266	6,77	106,0	0,00	86,94	-	-	0,00	0,00	-
23	6.718	6.719	5,88	106,0	0,00	87,55	-	-	0,00	0,00	-
24	7.347	7.347	4,74	106,0	0,00	88,32	-	-	0,00	0,00	-
25	4.246	4.247	11,22	104,5	0,00	83,56	-	-	0,00	0,00	-
26	3.878	3.878	12,31	104,5	0,00	82,77	-	-	0,00	0,00	-
27	3.573	3.574	13,29	104,5	0,00	82,06	-	-	0,00	0,00	-
28	3.762	3.762	12,67	104,5	0,00	82,51	-	-	0,00	0,00	-
29	3.886	3.887	12,28	104,5	0,00	82,79	-	-	0,00	0,00	-
3	3.095	3.098	14,41	106,0	0,00	80,82	-	-	0,00	0,00	-
30	3.324	3.325	14,16	104,5	0,00	81,44	-	-	0,00	0,00	-
31	3.333	3.334	14,12	104,5	0,00	81,46	-	-	0,00	0,00	-
32	3.149	3.150	14,80	104,5	0,00	80,97	-	-	0,00	0,00	-
33	2.678	2.680	16,72	104,5	0,00	79,56	-	-	0,00	0,00	-
34	353	362	39,51	104,5	0,00	62,17	-	-	0,00	0,00	-
35	2.652	2.653	16,84	104,5	0,00	79,48	-	-	0,00	0,00	-
36	3.485	3.486	13,59	104,5	0,00	81,85	-	-	0,00	0,00	-
37	3.684	3.687	14,01	106,0	0,00	82,33	-	-	0,00	0,00	-
38	2.841	2.845	17,37	106,0	0,00	80,08	-	-	0,00	0,00	-
39	1.740	1.747	23,48	106,0	0,00	75,85	-	-	0,00	0,00	-
4	2.724	2.727	16,10	106,0	0,00	79,71	-	-	0,00	0,00	-
40	1.197	1.207	27,88	106,0	0,00	72,63	-	-	0,00	0,00	-
41	1.560	1.567	24,79	106,0	0,00	74,90	-	-	0,00	0,00	-
42	3.964	3.966	13,06	106,0	0,00	82,97	-	-	0,00	0,00	-
43	6.090	6.091	6,94	104,5	0,00	86,69	-	-	0,00	0,00	-
44	3.341	3.344	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
45	3.234	3.237	14,20	104,5	0,00	81,20	-	-	0,00	0,00	-
46	2.810	2.814	16,00	104,5	0,00	79,99	-	-	0,00	0,00	-
47	2.967	2.970	15,31	104,5	0,00	80,46	-	-	0,00	0,00	-
5	3.007	3.010	14,79	106,0	0,00	80,57	-	-	0,00	0,00	-
6	3.478	3.481	12,86	106,0	0,00	81,83	-	-	0,00	0,00	-
7	5.831	5.832	6,79	106,0	0,00	86,32	-	-	0,00	0,00	-
8	1.197	1.201	27,86	106,0	0,00	72,59	-	-	0,00	0,00	-
9	951	957	30,50	106,0	0,00	70,62	-	-	0,00	0,00	-
Sum			42,18								

- Data undefined due to calculation with octave data

Noise sensitive area: AU Noise sensitive point: User defined (53)

Wind speed: 10,0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	4.293	4.295	10,22	106,0	0,00	83,66	-	-	0,00	0,00	-
10	690	698	34,06	106,0	0,00	67,88	-	-	0,00	0,00	-
11	4.483	4.484	11,08	106,0	0,00	84,03	-	-	0,00	0,00	-
12	4.702	4.704	10,46	106,0	0,00	84,45	-	-	0,00	0,00	-
13	4.322	4.324	11,55	106,0	0,00	83,72	-	-	0,00	0,00	-
14	4.064	4.066	12,34	106,0	0,00	83,18	-	-	0,00	0,00	-
15	4.304	4.306	11,60	106,0	0,00	83,68	-	-	0,00	0,00	-
16	4.142	4.144	12,10	106,0	0,00	83,35	-	-	0,00	0,00	-
17	6.633	6.634	6,04	106,0	0,00	87,43	-	-	0,00	0,00	-
18	6.421	6.422	6,45	106,0	0,00	87,15	-	-	0,00	0,00	-
19	6.414	6.415	6,47	106,0	0,00	87,14	-	-	0,00	0,00	-
2	4.105	4.107	10,74	106,0	0,00	83,27	-	-	0,00	0,00	-
20	7.039	7.040	5,28	106,0	0,00	87,95	-	-	0,00	0,00	-
21	6.858	6.859	5,62	106,0	0,00	87,72	-	-	0,00	0,00	-
22	7.141	7.142	5,10	106,0	0,00	88,08	-	-	0,00	0,00	-
23	7.671	7.672	4,20	106,0	0,00	88,70	-	-	0,00	0,00	-
24	8.365	8.366	3,11	106,0	0,00	89,45	-	-	0,00	0,00	-

To be continued on next page...

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuoniø vėjo elektriniø (Ėilutės raj. sav. Usėnø ir Juknaiėiø sen.: Kavoliø, Stremeniø, Kūgeliø, Okslindpiø, Skieriø bei Menklaukiø kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Detailed results

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE) **Noise calculation model:** ISO 9613-2 General 10,0 m/s

...continued from previous page

WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
25	4.048	4.048	11,79	104,5	0,00	83,15	-	-	0,00	0,00	-
26	3.695	3.696	12,89	104,5	0,00	82,35	-	-	0,00	0,00	-
27	3.405	3.405	13,87	104,5	0,00	81,64	-	-	0,00	0,00	-
28	3.708	3.709	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
29	3.955	3.956	12,07	104,5	0,00	82,94	-	-	0,00	0,00	-
3	3.296	3.298	13,58	106,0	0,00	81,37	-	-	0,00	0,00	-
30	3.615	3.616	13,15	104,5	0,00	82,16	-	-	0,00	0,00	-
31	3.779	3.780	12,62	104,5	0,00	82,55	-	-	0,00	0,00	-
32	3.927	3.927	12,16	104,5	0,00	82,88	-	-	0,00	0,00	-
33	3.574	3.575	13,29	104,5	0,00	82,07	-	-	0,00	0,00	-
34	1.071	1.074	27,71	104,5	0,00	71,62	-	-	0,00	0,00	-
35	3.707	3.708	12,85	104,5	0,00	82,38	-	-	0,00	0,00	-
36	4.584	4.585	10,30	104,5	0,00	84,23	-	-	0,00	0,00	-
37	4.849	4.852	10,52	106,0	0,00	84,72	-	-	0,00	0,00	-
38	2.554	2.558	18,73	106,0	0,00	79,16	-	-	0,00	0,00	-
39	2.901	2.905	17,10	106,0	0,00	80,26	-	-	0,00	0,00	-
4	3.513	3.515	12,73	106,0	0,00	81,92	-	-	0,00	0,00	-
40	2.319	2.324	19,94	106,0	0,00	78,32	-	-	0,00	0,00	-
41	2.564	2.568	18,68	106,0	0,00	79,19	-	-	0,00	0,00	-
42	4.262	4.265	12,11	106,0	0,00	83,60	-	-	0,00	0,00	-
43	7.114	7.115	5,13	104,5	0,00	88,04	-	-	0,00	0,00	-
44	3.343	3.346	13,77	104,5	0,00	81,49	-	-	0,00	0,00	-
45	3.069	3.072	14,87	104,5	0,00	80,75	-	-	0,00	0,00	-
46	2.663	2.666	16,70	104,5	0,00	79,52	-	-	0,00	0,00	-
47	2.975	2.978	15,28	104,5	0,00	80,48	-	-	0,00	0,00	-
5	3.542	3.544	12,62	106,0	0,00	81,99	-	-	0,00	0,00	-
6	4.650	4.652	9,31	106,0	0,00	84,35	-	-	0,00	0,00	-
7	6.848	6.849	5,06	106,0	0,00	87,71	-	-	0,00	0,00	-
8	681	690	34,19	106,0	0,00	67,78	-	-	0,00	0,00	-
9	286	306	42,73	106,0	0,00	60,70	-	-	0,00	0,00	-
Sum			44,05								

- Data undefined due to calculation with octave data

Project:

8 VE Ėilutės r.triukšmas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)**Noise calculation model:**

ISO 9613-2 General

Wind speed (in 10 m height):

10,0 m/s

Ground attenuation:

General, Ground factor: 0,8

Meteorological coefficient, C0:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5,0 dB(A)

Height above ground level, when no value in NSA object:

1,5 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0,0 dB; Uncertainty margin in NSA has priority

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

Octave data required

Frequency dependent air absorption

63	125	250	500	1.000	2.000	4.000	8.000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0,10	0,40	1,00	1,90	3,70	9,70	32,80	117,00

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTG: ENERCON E-138 EP3 E2 4200 138.3 !O!**Noise:** Level 0 - OM 0s - 4200 kW

Source	Source/Date	Creator	Edited
Enercon GmbH	2019.11.08	EMD	2020.01.21 11:45

The sound power levels do not include uncertainties.

According to manufacturer specification document (D0748822-6/D0748941-3).

Enercon reserves the right to change the above specifications without prior notice.

Octave data

Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000
	[m]	[m/s]	[dB(A)]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	130,3	10,0	106,0	No	86,9	92,3	94,8	97,4	100,1	101,7	95,9	78,2

WTG: GE WIND ENERGY GE 2.5-120 2500 120.0 !O!**Noise:** Level 0 - Calculated - NO - 05-2015

Source	Source/Date	Creator	Edited
Manufacturer	2015.05.05	EMD	2016.12.01 13:44

Based on Document Noise_Emissions-NO_2.x-DFIG-120-xxHz_3MW_EN_r01.

Octave data

Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000
	[m]	[m/s]	[dB(A)]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Interpolated	110,0	10,0	106,0	No	84,8	94,0	98,5	100,6	100,7	97,7	89,2	72,1

WTG: NORDEX N131/3000 3000 131.0 !O!

Source	Source/Date	Creator	Edited
NORDEX	2013.12.03	EMD	2015.01.21 15:58

F008_246_A03_R00, 21.11.2013

Octave data

Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000
	[m]	[m/s]	[dB(A)]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From other hub height	80,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2
From Windcat	144,0	10,0	104,5	No	Generic data	86,1	93,1	96,5	99,1	98,9	96,0	91,2

Project:

8 VE Īilutēs r.triukōmas

Description:

AĀtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

WTG: GE WIND ENERGY 5.3-158 Thrust 700 5300 158.0 !O!

Noise: 5.3-158 NO

Source	Source/Date	Creator	Edited	Octave data													
Noise_Emission-NO_5.3-158-50Hz_IEC_EN_r01	2018.03.12	EMD	2019.02.06 10:21	Status	Hub height	Wind speed	LwA,ref	Pure tones	63	125	250	500	1000	2000	4000	8000	
				[m]	[m/s]	[dB(A)]			[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	
				Interpolated	149,0	10,0	106,0	No	Generic data	87,6	94,6	98,0	100,6	100,4	97,5	92,7	83,2

Noise sensitive area: A Noise sensitive point: User defined (1)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: B Noise sensitive point: User defined (2)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: C Noise sensitive point: User defined (4)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: D Noise sensitive point: User defined (5)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: E Noise sensitive point: User defined (6)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: F Noise sensitive point: User defined (7)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: G Noise sensitive point: User defined (8)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r.triukōmas

Description:

Ađtuoniō vėjo elektriniō (Ėilutės raj. sav. Usėnō ir Juknaiėiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: H Noise sensitive point: User defined (9)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: I Noise sensitive point: User defined (11)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: J Noise sensitive point: User defined (12)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: K Noise sensitive point: User defined (13)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: L Noise sensitive point: User defined (14)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: M Noise sensitive point: User defined (15)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: N Noise sensitive point: User defined (16)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: O Noise sensitive point: User defined (17)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: P Noise sensitive point: User defined (18)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Ģilutēs r.triukōmas

Description:

AĢtuoniō vĕjo elektriniō (Ģilutēs raj. sav. Usēnō ir Juknaiēō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
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DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Q Noise sensitive point: User defined (19)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: R Noise sensitive point: User defined (20)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: S Noise sensitive point: User defined (21)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: T Noise sensitive point: User defined (22)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: U Noise sensitive point: User defined (23)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: V Noise sensitive point: User defined (24)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: W Noise sensitive point: User defined (25)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: X Noise sensitive point: User defined (26)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Ėilutės r.triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: Y Noise sensitive point: User defined (27)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: Z Noise sensitive point: User defined (28)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AA Noise sensitive point: User defined (29)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AB Noise sensitive point: User defined (30)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AC Noise sensitive point: User defined (31)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AD Noise sensitive point: User defined (32)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AE Noise sensitive point: User defined (33)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AF Noise sensitive point: User defined (34)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AG Noise sensitive point: User defined (35)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Project:

8 VE Īilutēs r.triukōmas

Description:

Aĉtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AH Noise sensitive point: User defined (36)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AI Noise sensitive point: User defined (37)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AJ Noise sensitive point: User defined (38)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AK Noise sensitive point: User defined (39)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AL Noise sensitive point: User defined (40)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AM Noise sensitive point: User defined (41)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AN Noise sensitive point: User defined (42)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AO Noise sensitive point: User defined (43)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Īilutēs r.triukōmas

Description:

Aĉtuoniš vĕjo elektriniš (Īilutēs raj. sav. Usēnš ir Juknaiēš sen.: Kavoliš, Stremeniš, Kūgeliš, Okslindpiš, Skieriš bei Menklaukiš kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 11:21/3.5.552

DECIBEL - Assumptions for noise calculation

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)

Noise sensitive area: AP Noise sensitive point: User defined (48)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AQ Noise sensitive point: User defined (49)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AR Noise sensitive point: User defined (50)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AS Noise sensitive point: User defined (51)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AT Noise sensitive point: User defined (52)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Noise sensitive area: AU Noise sensitive point: User defined (53)

Predefined calculation standard:

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: Use default value from calculation model

Noise demand: 45,0 dB(A)

No distance demand

Project:

8 VE Īilutēs r.triukōmas

Description:

Ađtuoniō vĕjo elektriniō (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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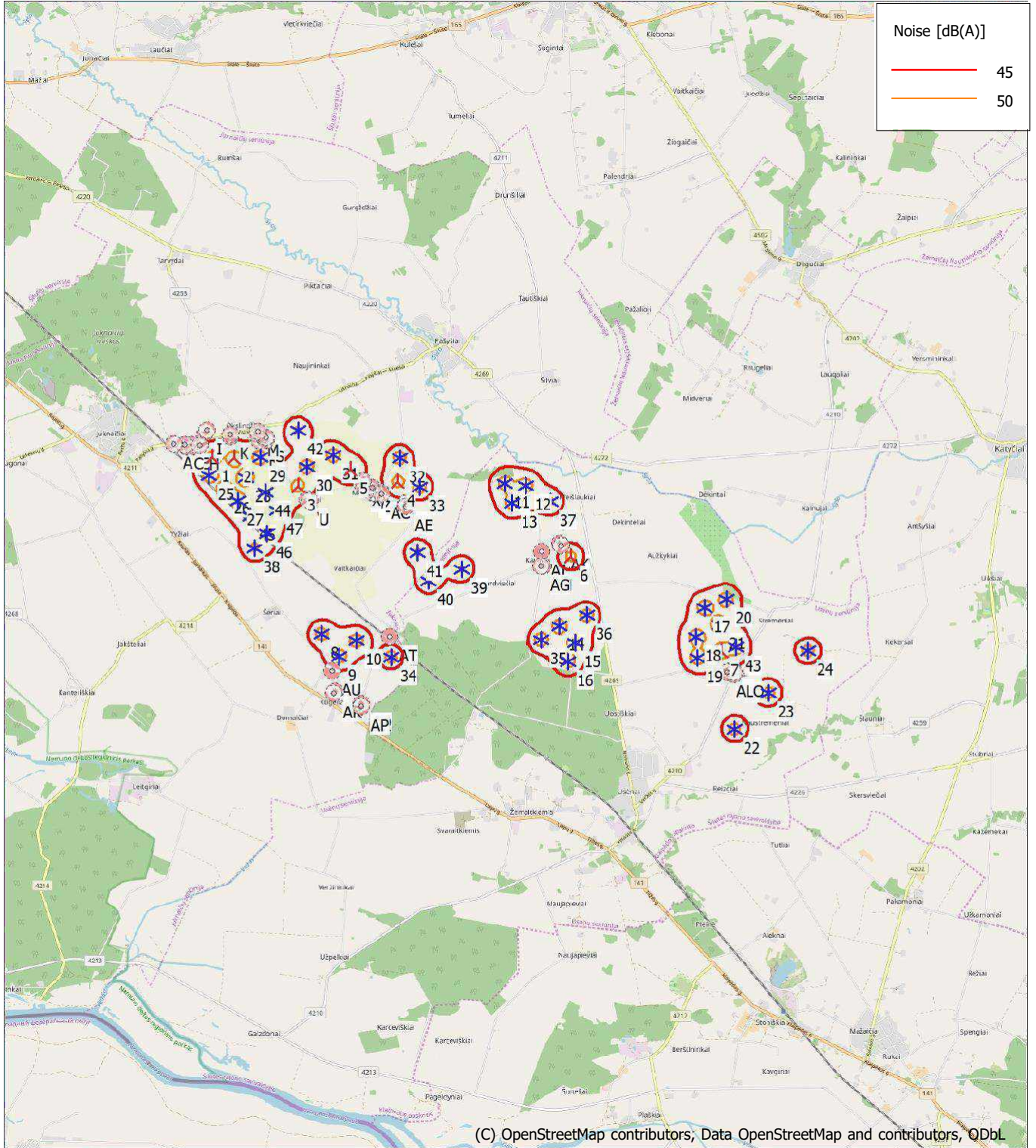
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



Map: EMD OpenStreetMap , Print scale 1:100,000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 353.094 North: 6.128.105

New WTG

Existing WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s

Height above sea level from active line object

Project:

8 VE Ėilutės r. triukšomas

Description:

Aštuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavalių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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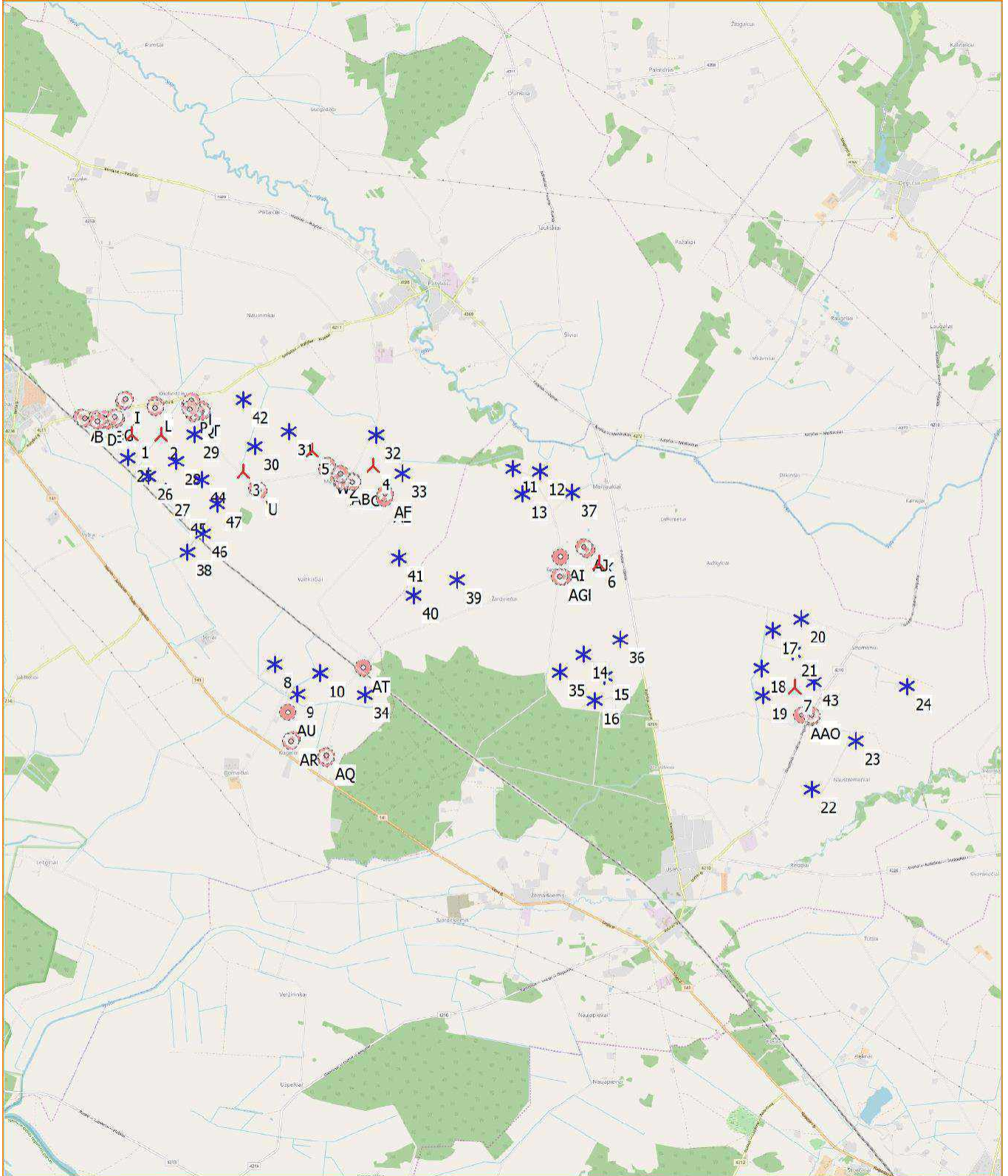
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

🏠 New WTG

★ Existing WTG

🏠 Noise sensitive area

Project:

8 VE Ėilutės r. triukšomas

Description:

Aðtuonių vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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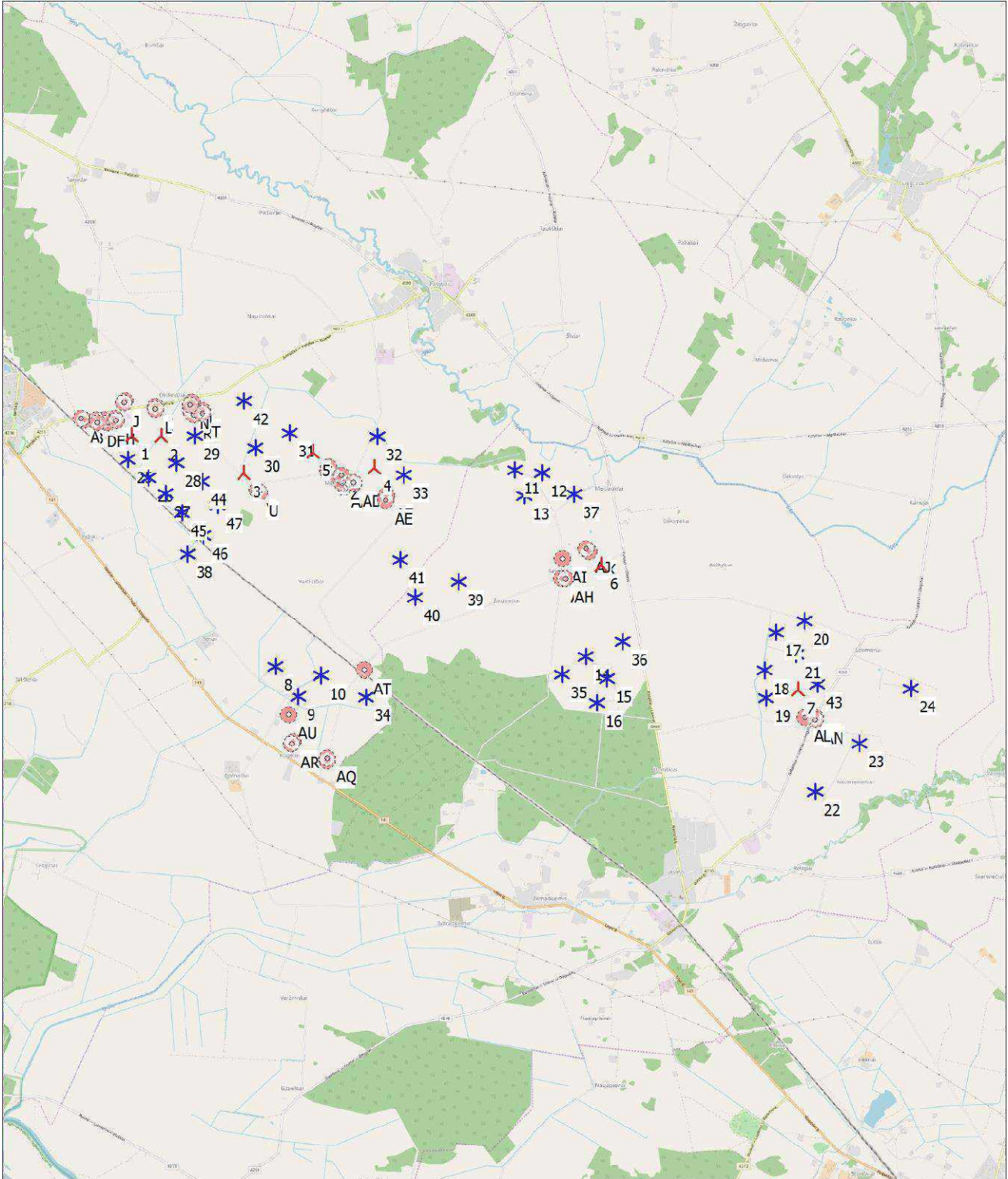
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Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Map 10,0 m/s




Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

 New WTG
  Existing WTG
  Noise sensitive area

Project:

8 VE Īilutės r.triukōmas

Description:

Ađtuoniō vėjo elektriniō (Īilutės raj. sav. Usėnō ir Juknaiėsiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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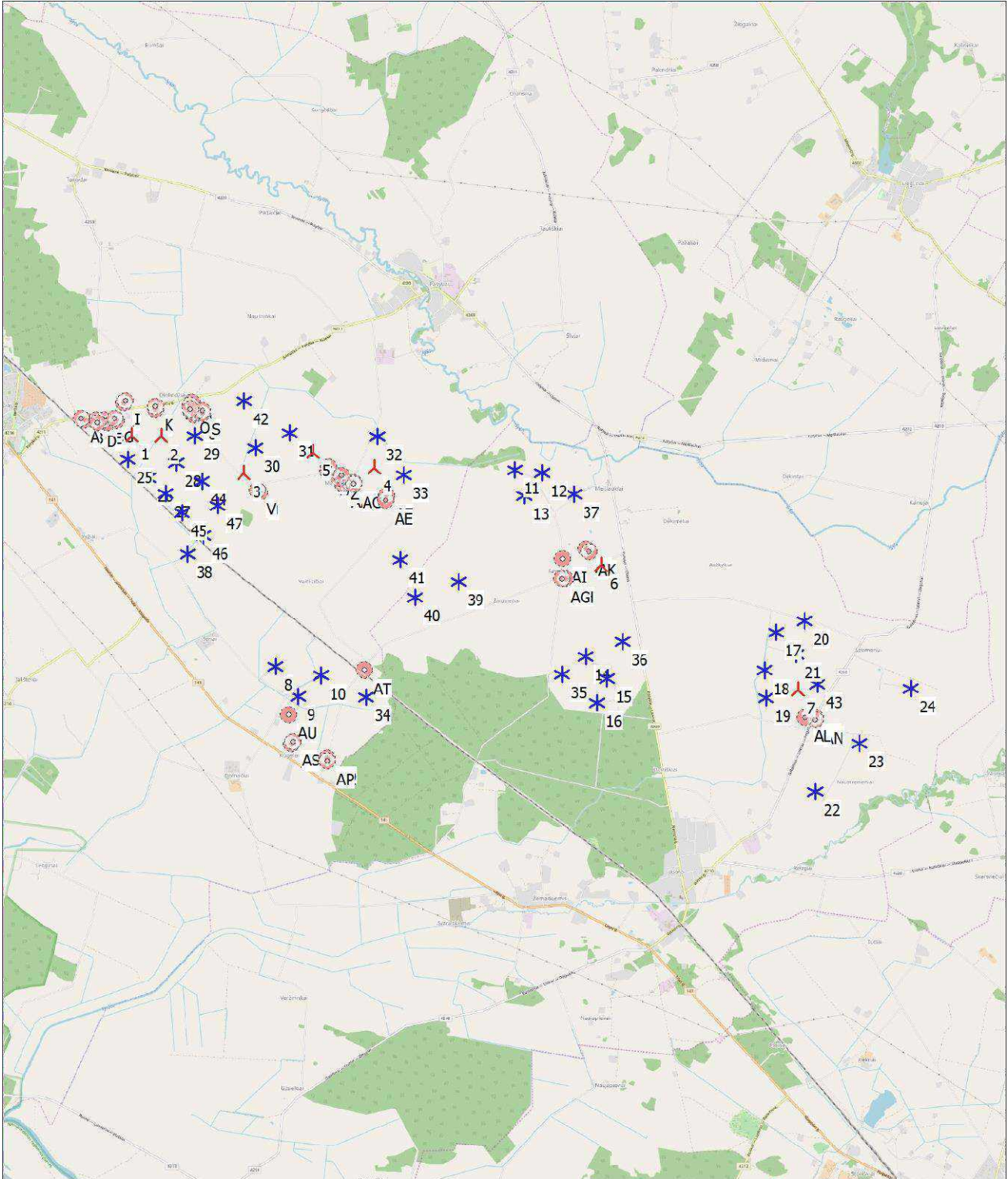
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 11:21/3.5.552

DECIBEL - Map 10,0 m/s

Calculation: Suminis poveikis su Enercon E138, stiebas 130, galia 4.2 (be 6 VE)



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap, Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.793 North: 6.128.131

New WTG
 Existing WTG
 Noise sensitive area

1.5 Priedēlis. Šešēliai

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Main Result

Calculation: Enercon E138

Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Height Contours: CONTOURLINE_8 VE Īilutēs r_0.wpo

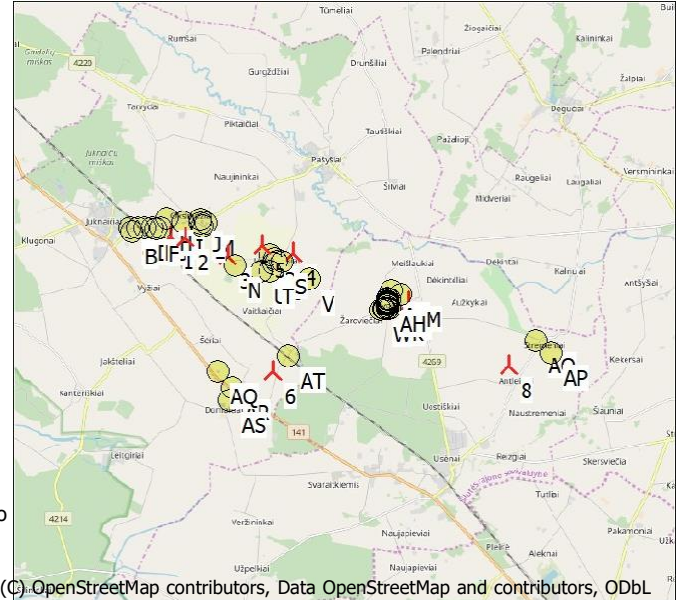
Obstacles used in calculation

Receptor grid resolution: 1,0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000

▲ New WTG

● Shadow receptor

Y	X	Z	Row data/Description	WTG type			Shadow data				
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM [RPM]
1	347.959	6.130.426	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
2	348.347	6.130.399	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
3	349.441	6.129.870	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
4	351.193	6.129.888	14,5 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
5	350.375	6.130.124	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
6	350.546	6.126.757	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
7	354.189	6.128.475	20,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
8	356.778	6.126.724	19,1 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0

Shadow receptor-Input

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
A	347.094	6.130.693	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
B	346.953	6.130.603	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
C	346.888	6.130.681	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
D	347.290	6.130.678	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
E	347.483	6.130.653	10,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
F	347.592	6.130.646	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
G	347.734	6.130.663	11,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
H	347.883	6.130.901	13,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
I	348.287	6.130.811	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
J	348.782	6.130.851	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
K	348.756	6.130.753	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
L	348.822	6.130.676	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
M	348.913	6.130.737	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
N	349.644	6.129.613	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
O	350.562	6.129.862	10,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
P	350.707	6.129.756	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Q	350.664	6.129.608	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
R	350.753	6.129.689	12,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
S	350.909	6.129.678	13,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
T	350.561	6.129.434	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
U	350.332	6.129.441	10,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0

To be continued on next page...

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Main Result

Calculation: Enercon E138

...continued from previous page

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
V	351.604	6.129.188	16,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
W	353.453	6.128.301	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
X	353.509	6.128.319	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Y	353.532	6.128.326	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Z	353.556	6.128.333	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AA	353.630	6.128.393	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AB	353.629	6.128.419	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AC	353.628	6.128.442	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AD	353.629	6.128.469	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AE	353.629	6.128.493	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AF	353.629	6.128.519	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AG	353.628	6.128.547	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AH	353.629	6.128.576	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AI	353.627	6.128.607	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AJ	353.687	6.128.582	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AK	353.621	6.128.318	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AL	353.662	6.128.322	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AM	353.996	6.128.697	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AN	353.751	6.128.788	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AO	357.524	6.127.357	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AP	357.932	6.127.034	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AQ	349.081	6.126.826	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AR	349.464	6.126.383	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AS	349.383	6.126.053	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AT	350.960	6.127.173	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0

Calculation Results

Shadow receptor

Shadow, expected values

No. Shadow hours

per year
[h/year]

A	9:03
B	6:38
C	5:52
D	14:30
E	25:00
F	34:27
G	43:30
H	10:28
I	16:55
J	15:40
K	21:21
L	25:36
M	19:05
N	13:16
O	28:01
P	54:19
Q	21:57
R	29:57
S	2:58
T	7:42
U	34:22
V	6:25
W	21:11
X	26:17
Y	29:08
Z	33:21
AA	38:57
AB	34:08
AC	31:10
AD	28:37
AE	26:23

To be continued on next page...

Project:

8 VE Āilutēs r.

Description:

Vējo elektrinīo (Āilutēs raj. sav. Usēno ir Juknaiēio sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilē / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Main Result

Calculation: Enercon E138

...continued from previous page

Shadow, expected values

No.	Shadow hours per year [h/year]
AF	24:09
AG	22:12
AH	20:29
AI	18:45
AJ	24:56
AK	43:35
AL	45:58
AM	36:28
AN	14:52
AO	3:39
AP	3:46
AQ	2:47
AR	9:26
AS	9:40
AT	9:13

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)	511:50	96:45
2	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)	408:04	71:03
3	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)	168:45	45:56
4	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)	211:27	93:12
5	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)	34:51	12:40
6	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)	109:31	31:08
7	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)	470:37	168:42
8	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)	35:50	7:25

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: A - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours' and 'Total, worst case'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: B - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:08	07:08 20:10	08:11 (1) 21:09	05:55 22:03	05:02 22:18	04:57 21:40	05:40 20:30	06:38 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:10	07:06 20:12	08:14 (1) 21:11	05:53 22:04	05:01 22:18	04:58 21:38	05:42 20:27	06:40 19:10	07:39 16:56	08:37 16:09
3	09:01 16:16	08:24 17:13	07:22 18:12	07:03 20:14	08:25 (1) 21:13	05:51 22:05	05:00 22:17	04:59 21:36	05:43 20:25	06:42 19:07	07:41 16:54	08:39 16:08
4	09:00 16:18	08:22 17:15	07:20 18:14	07:00 20:16	05:49 21:15	05:49 22:06	04:59 22:17	05:45 21:34	06:44 20:22	06:44 19:05	07:43 16:52	08:40 16:08
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:18	05:46 21:17	04:58 22:08	05:00 22:16	05:47 21:32	06:46 20:19	06:46 19:02	07:45 16:50	08:42 16:07
6	08:59 16:20	08:18 17:19	07:15 18:18	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 21:30	06:47 20:17	06:47 19:00	07:47 16:48	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:22	05:42 21:21	04:57 22:10	05:02 22:15	05:51 21:28	06:49 20:14	06:49 18:57	07:49 16:46	08:44 16:06
8	08:58 16:23	08:14 17:23	07:10 18:22	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	05:53 21:26	06:51 20:12	06:51 18:54	07:51 16:44	08:46 16:05
9	08:58 16:25	08:12 17:25	07:07 18:24	06:48 20:26	05:38 21:24	04:55 22:12	05:05 22:13	05:54 21:24	06:53 20:09	06:53 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:05 18:26	06:45 20:28	05:36 21:26	04:55 22:13	05:06 22:12	05:56 21:22	06:55 20:07	06:55 08:07 (1)	07:55 18:49	08:48 16:40
11	08:56 16:28	08:08 17:30	07:02 18:28	06:43 20:30	05:34 21:28	04:54 22:14	05:07 22:11	05:58 21:19	06:57 20:04	06:57 08:04 (1)	07:54 18:47	08:50 16:38
12	08:55 16:30	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	06:59 08:02 (1)	07:56 18:44	08:51 16:36
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:01 19:59	07:01 08:23 (1)	07:58 18:42	08:52 16:34
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	06:04 21:13	07:03 19:53	07:03 08:24 (1)	08:00 18:40	08:53 16:33
15	08:52 16:35	08:00 17:38	06:52 18:36	06:33 20:37	05:27 21:35	04:53 22:17	05:12 22:07	06:06 21:11	07:04 19:54	07:04 07:55 (2)	08:06 18:37	08:54 16:31
16	08:51 16:37	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	06:08 22:06	07:06 21:08	07:06 19:51	07:06 08:25 (2)	08:08 18:35	08:55 16:29
17	08:50 16:38	07:55 17:42	06:47 18:40	06:28 20:41	05:23 21:39	04:52 22:18	06:09 22:04	07:08 21:06	07:08 19:49	07:08 08:26 (1)	08:06 18:32	08:56 16:28
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:41	04:52 22:18	06:11 22:03	07:10 21:04	07:10 19:46	07:10 08:26 (2)	08:08 18:30	08:57 16:26
19	08:48 16:42	07:51 17:47	06:42 18:44	06:23 20:45	05:20 21:43	04:52 22:18	06:13 22:02	07:12 21:01	07:12 19:43	07:12 08:25 (2)	08:10 18:27	08:57 16:25
20	08:47 16:44	07:48 17:49	06:39 18:46	06:21 20:47	05:18 21:44	04:52 22:19	06:15 22:00	07:14 20:59	07:14 19:41	07:14 08:24 (1)	08:12 18:25	08:58 16:23
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:17 21:46	04:52 22:19	06:17 21:59	07:16 20:57	07:16 19:38	07:16 08:24 (2)	08:14 18:23	08:59 16:22
22	08:44 16:48	07:44 17:53	06:34 18:50	06:16 20:51	05:15 21:48	04:53 22:19	06:19 21:57	07:18 20:54	07:18 19:36	07:18 08:23 (1)	08:16 18:20	08:59 16:20
23	08:43 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	06:21 21:56	07:20 20:52	07:20 19:33	07:20 08:23 (2)	08:18 18:18	09:00 16:19
24	08:41 16:52	07:39 17:57	06:29 18:54	06:11 20:55	05:12 21:51	04:53 22:20	06:23 21:54	07:21 20:49	07:21 19:30	07:21 08:22 (1)	08:20 18:16	09:00 16:18
25	08:40 16:54	07:37 17:59	06:26 18:56	06:09 20:57	05:11 21:52	04:53 22:20	06:25 21:53	07:23 20:47	07:23 19:28	07:23 08:21 (2)	08:25 18:16	09:00 16:17
26	08:38 16:56	07:34 18:01	06:24 18:58	06:06 20:59	05:09 21:54	04:54 22:20	06:27 21:51	07:25 20:44	07:25 19:25	07:25 08:19 (1)	08:27 18:16	09:01 16:15
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:56	04:54 22:19	06:28 21:49	07:27 20:42	07:27 19:23	07:27 08:17 (2)	08:28 18:14	09:01 16:14
28	08:35 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:07 21:57	04:55 22:19	06:30 21:47	07:29 20:40	07:29 19:20	07:29 08:15 (1)	08:30 17:07	09:01 16:13
29	08:33 17:02	07:16 18:04	06:00 19:04	06:00 21:05	05:05 21:58	04:56 22:19	06:32 21:46	07:31 20:37	07:31 19:17	07:31 08:10 (1)	08:32 17:04	09:01 16:12
30	08:31 17:04	07:13 18:06	05:57 19:06	05:57 21:07	05:04 22:00	04:56 22:19	06:34 21:44	07:33 20:35	07:33 19:15	07:33 08:11 (2)	08:34 17:02	09:01 16:11
31	08:30 17:06	07:11 18:08	05:57 19:08	05:57 21:08	05:03 22:01	04:55 21:42	06:36 21:32	07:36 20:32	07:36 19:00	07:36 08:10 (1)	08:35 17:00	09:01 16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			505	28					551			
Sun reduction			0,34	0,39					0,40			
Oper. time red.			1,00	1,00					1,00			
Wind dir. red.			0,99	0,99					0,99			
Total reduction			0,34	0,39					0,39			
Total, real			171	11					216			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: C - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes a summary row at the bottom for 'Potential sun hours' and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: D - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow times, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: E - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec. Values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January to December) and rows for each day of the month, including sunrise, sunset, and shadow data.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: F - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow times, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėjų sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: G - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:01 16:14	08:28 17:08	07:27 18:07	08:07 (2) 10:43 (1)	07:08 20:10	10:21 (1) 05:55 22:03
2	09:01 16:15	08:26 17:10	07:24 18:10	08:05 (2) 10:43 (1)	07:05 20:12	11:05 (1) 05:53 22:04
3	09:01 16:16	08:24 17:12	07:22 18:12	08:03 (2) 10:43 (1)	07:03 20:14	10:26 (1) 05:51 22:05
4	09:00 16:18	08:22 17:15	07:19 18:14	08:02 (2) 10:44 (1)	07:00 20:16	10:30 (1) 05:49 22:06
5	09:00 16:19	08:20 17:17	07:17 18:16	08:00 (2) 10:43 (1)	06:58 20:18	10:37 (1) 05:46 22:08
6	08:59 16:20	08:18 17:19	07:15 18:18	07:59 (2) 10:44 (1)	06:55 20:20	05:44 21:19 22:09
7	08:59 16:22	08:16 17:21	07:12 10:08 (1)	07:58 (2) 10:43 (1)	06:53 20:22	05:42 21:20 22:10
8	08:58 16:23	08:14 17:23	09:47 (1) 10:13 (1)	07:10 18:22	07:57 (2) 10:43 (1)	06:50 20:24 21:22
9	08:58 16:25	08:12 17:25	09:44 (1) 10:17 (1)	07:07 18:24	07:57 (2) 10:43 (1)	06:48 20:26 21:24
10	08:57 16:26	08:10 17:27	09:41 (1) 10:20 (1)	07:04 18:26	07:55 (2) 10:42 (1)	06:45 20:27 21:26
11	08:56 16:28	08:08 17:30	09:39 (1) 10:23 (1)	07:02 18:28	07:55 (2) 10:42 (1)	06:43 20:29 21:28
12	08:55 16:30	08:06 17:32	09:36 (1) 10:25 (1)	06:59 18:30	07:55 (2) 10:41 (1)	06:40 20:31 21:30
13	08:54 16:31	08:04 17:34	09:34 (1) 10:27 (1)	06:57 18:32	07:55 (2) 10:41 (1)	06:38 20:33 21:32
14	08:53 16:33	08:02 17:36	09:32 (1) 10:29 (1)	06:54 18:34	07:54 (2) 10:40 (1)	06:35 20:35 21:34
15	08:52 16:35	08:00 17:38	09:30 (1) 10:30 (1)	06:52 18:36	07:54 (2) 10:39 (1)	06:33 20:37 21:35
16	08:51 16:37	07:57 17:40	09:29 (1) 10:32 (1)	06:49 18:38	07:54 (2) 10:39 (1)	06:30 20:39 21:37
17	08:50 16:38	07:55 17:42	09:28 (1) 10:34 (1)	06:47 18:40	07:54 (2) 10:38 (1)	06:28 20:41 21:39
18	08:49 16:40	07:53 17:44	09:26 (1) 10:35 (1)	06:44 18:42	07:55 (2) 10:37 (1)	06:25 20:43 21:41
19	08:48 16:42	07:51 17:47	09:25 (1) 10:36 (1)	06:42 18:44	07:54 (2) 10:36 (1)	06:23 20:45 21:42
20	08:47 16:44	07:48 17:49	09:24 (1) 10:38 (1)	06:39 18:46	07:54 (2) 10:34 (1)	06:21 20:47 21:44
21	08:45 16:46	07:46 17:51	09:22 (1) 10:38 (1)	06:36 18:48	07:56 (2) 10:33 (1)	06:18 20:49 21:46
22	08:44 16:48	07:44 17:53	09:22 (1) 10:39 (1)	06:34 18:50	07:56 (2) 10:31 (1)	06:16 20:51 21:48
23	08:42 16:50	07:41 17:55	09:20 (1) 10:40 (1)	06:31 18:52	07:57 (2) 10:30 (1)	06:13 20:53 21:49
24	08:41 16:52	07:39 17:57	09:20 (1) 10:41 (1)	06:29 18:54	07:58 (2) 10:28 (1)	06:11 20:55 21:51
25	08:40 16:54	07:37 17:59	09:18 (1) 10:41 (1)	06:26 18:56	07:59 (2) 10:26 (1)	06:09 20:57 21:52
26	08:38 16:56	07:34 18:01	09:18 (1) 10:42 (1)	06:23 18:58	08:02 (2) 10:25 (1)	06:06 20:59 21:54
27	08:36 16:58	07:32 18:03	08:13 (2) 10:42 (1)	06:21 19:00	08:04 (2) 10:22 (1)	06:04 21:01 21:55
28	08:35 17:00	07:29 18:05	08:10 (2) 10:43 (1)	06:18 19:02	09:16 (1) 10:20 (1)	06:02 21:03 21:57
29	08:33 17:02			07:16 20:04	10:17 (1) 11:18 (1)	06:00 21:05 21:58
30	08:31 17:04			07:13 20:06	10:19 (1) 11:15 (1)	05:57 21:07 22:00
31	08:30 17:06			07:11 20:08	10:20 (1) 11:12 (1)	05:03 22:01 22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case		1408		3585		157
Sun reduction		0,25		0,34		0,39
Oper. time red.		1,00		1,00		1,00
Wind dir. red.		0,72		0,78		0,72
Total reduction		0,18		0,27		0,28
Total, real		250		954		44

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: G - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	08:33 (2)	09:11 (1)
	22:18	21:40	20:30	19:12	11:20 (1)	09:49 (1)
2	04:58	05:42	06:40	07:37	08:33 (2)	09:14 (1)
	22:18	21:38	20:27	19:10	11:20 (1)	09:46 (1)
3	04:58	05:43	06:42	07:39	08:33 (2)	09:17 (1)
	22:17	21:36	20:25	19:07	11:20 (1)	09:42 (1)
4	04:59	05:45	06:44	07:41	08:33 (2)	09:25 (1)
	22:17	21:34	20:22	19:05	11:20 (1)	09:36 (1)
5	05:00	05:47	06:45	07:43	08:34 (2)	09:42
	22:16	21:32	20:19	19:02	11:20 (1)	16:07
6	05:01	05:49	06:47	07:44	08:34 (2)	08:43
	22:16	21:30	20:17	18:59	11:19 (1)	16:06
7	05:02	05:51	06:49	10:34 (1)	08:34 (2)	08:44
	22:15	21:28	20:14	10:40 (1)	11:19 (1)	16:06
8	05:03	05:53	06:51	10:25 (1)	08:35 (2)	08:46
	22:14	21:26	20:12	10:49 (1)	11:19 (1)	16:05
9	05:04	05:54	06:53	10:21 (1)	08:36 (2)	08:47
	22:13	21:24	20:09	10:54 (1)	11:18 (1)	16:05
10	05:06	05:56	06:55	10:17 (1)	08:36 (2)	08:48
	22:12	21:22	20:07	10:58 (1)	11:18 (1)	16:04
11	05:07	05:58	06:57	10:15 (1)	08:38 (2)	08:50
	22:11	21:19	20:04	11:01 (1)	11:17 (1)	16:04
12	05:08	06:00	06:59	10:11 (1)	08:39 (2)	08:51
	22:10	21:17	20:01	11:03 (1)	11:16 (1)	16:04
13	05:09	06:02	07:01	10:09 (1)	08:41 (2)	08:52
	22:09	21:15	19:59	11:05 (1)	11:15 (1)	16:04
14	05:11	06:04	07:02	10:08 (1)	08:44 (2)	08:53
	22:08	21:13	19:56	11:08 (1)	11:16 (1)	16:04
15	05:12	06:06	07:04	10:06 (1)	08:48 (2)	08:54
	22:07	21:11	19:54	11:10 (1)	11:15 (1)	16:04
16	05:14	06:08	07:06	08:55 (2)	09:50 (1)	08:55
	22:06	21:08	19:51	11:11 (1)	11:14 (1)	16:04
17	05:15	06:09	07:08	08:51 (2)	09:51 (1)	08:56
	22:04	21:06	19:48	11:13 (1)	11:13 (1)	16:04
18	05:16	06:11	07:10	08:48 (2)	09:51 (1)	08:57
	22:03	21:04	19:46	11:14 (1)	11:12 (1)	16:04
19	05:18	06:13	07:12	08:45 (2)	09:52 (1)	08:57
	22:02	21:01	19:43	11:15 (1)	11:11 (1)	16:04
20	05:19	06:15	07:14	08:43 (2)	09:52 (1)	08:58
	22:00	20:59	19:41	11:16 (1)	11:09 (1)	16:05
21	05:21	06:17	07:16	08:42 (2)	09:53 (1)	08:59
	21:59	20:57	19:38	11:17 (1)	11:08 (1)	16:05
22	05:23	06:19	07:18	08:41 (2)	09:55 (1)	08:59
	21:57	20:54	19:36	11:18 (1)	11:08 (1)	16:05
23	05:24	06:21	07:19	08:39 (2)	09:56 (1)	09:00
	21:56	20:52	19:33	11:18 (1)	11:06 (1)	16:06
24	05:26	06:23	07:21	08:38 (2)	09:56 (1)	09:00
	21:54	20:49	19:30	11:19 (1)	11:05 (1)	16:07
25	05:28	06:25	07:23	08:37 (2)	09:57 (1)	09:00
	21:52	20:47	19:28	11:20 (1)	10:03 (1)	16:07
26	05:29	06:27	07:25	08:37 (2)	09:59 (1)	09:01
	21:51	20:44	19:25	11:20 (1)	10:01 (1)	16:08
27	05:31	06:28	07:27	08:36 (2)	09:01 (1)	09:01
	21:49	20:42	19:23	11:21 (1)	10:00 (1)	16:09
28	05:33	06:30	07:29	08:34 (2)	09:02 (1)	09:01
	21:47	20:40	19:20	11:20 (1)	09:58 (1)	16:10
29	05:34	06:32	07:31	08:34 (2)	09:04 (1)	09:01
	21:46	20:37	19:17	11:20 (1)	09:56 (1)	16:11
30	05:36	06:34	07:33	08:34 (2)	09:06 (1)	09:01
	21:44	20:35	19:15	11:20 (1)	09:54 (1)	16:11
31	05:38	06:36		07:35	09:09 (1)	09:01
	21:42	20:32		17:00	09:52 (1)	16:13
Potential sun hours	521	465	383	326	253	224
Total, worst case			2161	2966	106	
Sun reduction			0,40	0,31	0,16	
Oper. time red.			1,00	1,00	1,00	
Wind dir. red.			0,78	0,76	0,72	
Total reduction			0,31	0,23	0,11	
Total, real			661	690	12	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: H - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	11:20 (1)	08:28	09:23 (2)	07:27	07:08	05:55
16:14	62 12:22 (1)	17:08	107 12:33 (1)	18:07	20:10	21:09
2 09:01	11:20 (1)	08:26	09:22 (2)	07:24	07:05	05:53
16:15	62 12:22 (1)	17:10	108 12:33 (1)	18:10	20:12	21:11
3 09:01	11:20 (1)	08:24	09:22 (2)	07:22	07:03	05:51
16:16	63 12:23 (1)	17:12	106 12:32 (1)	18:12	20:14	21:13
4 09:00	11:20 (1)	08:22	09:22 (2)	07:19	07:00	05:49
16:18	63 12:23 (1)	17:15	107 12:32 (1)	18:14	20:16	21:15
5 09:00	11:21 (1)	08:20	09:22 (2)	07:17	06:58	05:46
16:19	63 12:24 (1)	17:17	107 12:32 (1)	18:16	20:18	21:17
6 08:59	11:21 (1)	08:18	09:21 (2)	07:15	06:55	05:44
16:20	64 12:25 (1)	17:19	106 12:31 (1)	18:18	20:20	21:19
7 08:59	11:21 (1)	08:16	09:22 (2)	07:12	06:53	05:42
16:22	64 12:25 (1)	17:21	104 12:30 (1)	18:20	20:22	21:20
8 08:58	11:21 (1)	08:14	09:21 (2)	07:10	06:50	05:40
16:23	64 12:25 (1)	17:23	103 12:29 (1)	18:22	20:24	21:22
9 08:58	11:22 (1)	08:12	09:21 (2)	07:07	06:48	05:38
16:25	65 12:27 (1)	17:25	100 12:28 (1)	18:24	20:26	21:24
10 08:57	11:22 (1)	08:10	09:21 (2)	07:04	06:45	05:36
16:26	66 12:28 (1)	17:27	99 12:27 (1)	18:26	20:27	21:26
11 08:56	11:22 (1)	08:08	09:21 (2)	07:02	06:43	05:34
16:28	66 12:28 (1)	17:30	96 12:26 (1)	18:28	20:29	21:28
12 08:55	11:22 (1)	08:06	09:21 (2)	06:59	06:40	05:32
16:30	66 12:28 (1)	17:32	91 12:23 (1)	18:30	20:31	21:30
13 08:54	11:22 (1)	08:04	09:21 (2)	06:57	06:38	05:30
16:31	67 12:29 (1)	17:34	87 12:21 (1)	18:32	20:33	21:32
14 08:53	11:22 (1)	08:02	09:22 (2)	06:54	06:35	05:29
16:33	67 12:29 (1)	17:36	81 12:19 (1)	18:34	20:35	21:34
15 08:52	11:23 (1)	08:00	09:22 (2)	06:52	06:33	05:27
16:35	67 12:30 (1)	17:38	75 12:16 (1)	18:36	20:37	21:35
16 08:51	11:22 (1)	07:57	09:23 (2)	06:49	06:30	05:25
16:36	68 12:30 (1)	17:40	65 12:12 (1)	18:38	20:39	21:37
17 08:50	11:23 (1)	07:55	09:24 (2)	06:47	06:28	05:23
16:38	68 12:31 (1)	17:42	49 12:05 (1)	18:40	20:41	21:39
18 08:49	11:24 (1)	07:53	09:24 (2)	06:44	06:25	05:21
16:40	68 12:32 (1)	17:44	41 10:05 (2)	18:42	20:43	21:41
19 08:48	11:23 (1)	07:51	09:25 (2)	06:42	06:23	05:20
16:42	69 12:32 (1)	17:47	39 10:04 (2)	18:44	20:45	21:42
20 08:47	09:38 (2)	07:48	09:26 (2)	06:39	06:21	05:18
16:44	74 12:32 (1)	17:49	37 10:03 (2)	18:46	20:47	21:44
21 08:45	09:34 (2)	07:46	09:27 (2)	06:36	06:18	05:16
16:46	82 12:32 (1)	17:51	34 10:01 (2)	18:48	20:49	21:46
22 08:44	09:31 (2)	07:44	09:29 (2)	06:34	06:16	05:15
16:48	88 12:32 (1)	17:53	31 10:00 (2)	18:50	20:51	21:48
23 08:42	09:30 (2)	07:41	09:30 (2)	06:31	06:13	05:13
16:50	92 12:33 (1)	17:55	27 09:57 (2)	18:52	20:53	21:49
24 08:41	09:29 (2)	07:39	09:33 (2)	06:29	06:11	05:12
16:52	94 12:33 (1)	17:57	22 09:55 (2)	18:54	20:55	21:51
25 08:40	09:27 (2)	07:37	09:36 (2)	06:26	06:09	05:10
16:54	98 12:33 (1)	17:59	14 09:50 (2)	18:56	20:57	21:52
26 08:38	09:27 (2)	07:34		06:23	06:06	05:09
16:56	100 12:34 (1)	18:01		18:58	20:59	21:54
27 08:36	09:26 (2)	07:32		06:21	06:04	05:08
16:58	102 12:34 (1)	18:03		19:00	21:01	21:56
28 08:35	09:25 (2)	07:29		06:18	06:02	05:06
17:00	103 12:34 (1)	18:05		19:02	21:03	21:57
29 08:33	09:24 (2)			07:16	06:00	05:05
17:02	105 12:34 (1)			20:04	21:05	21:58
30 08:31	09:24 (2)			07:13	05:57	05:04
17:04	106 12:34 (1)			20:06	21:07	22:00
31 08:30	09:23 (2)			07:11		05:03
17:06	106 12:33 (1)			20:08		22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case	2392	1836				
Sun reduction	0,18	0,25				
Oper. time red.	1,00	1,00				
Wind dir. red.	0,27	0,48				
Total reduction	0,05	0,11				
Total, real	109	201				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierėių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: H - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	07:37	08:51 (2) 08:35
	22:18	21:40	20:30	19:12	16:58	98 11:57 (1) 16:10 65 12:10 (1)
2	04:58	05:41	06:40	07:37	07:39	08:50 (2) 08:37
	22:18	21:38	20:27	19:10	16:56	102 11:58 (1) 16:09 66 12:10 (1)
3	04:58	05:43	06:42	07:39	07:41	08:50 (2) 08:39
	22:17	21:36	20:24	19:07	16:54	103 11:58 (1) 16:08 65 12:10 (1)
4	04:59	05:45	06:44	07:41	07:43	08:51 (2) 08:40
	22:17	21:34	20:22	19:05	16:52	104 12:00 (1) 16:08 65 12:11 (1)
5	05:00	05:47	06:45	07:43	07:45	08:51 (2) 08:42
	22:16	21:32	20:19	19:02	16:50	106 12:01 (1) 16:07 64 12:10 (1)
6	05:01	05:49	06:47	07:44	07:47	08:51 (2) 08:43
	22:16	21:30	20:17	18:59	16:48	106 12:01 (1) 16:06 64 12:11 (1)
7	05:02	05:51	06:49	07:46	07:49	08:51 (2) 08:44
	22:15	21:28	20:14	18:57	16:46	108 12:02 (1) 16:06 63 12:10 (1)
8	05:03	05:53	06:51	07:48	07:51	08:53 (2) 08:46
	22:14	21:26	20:12	18:54	16:44	107 12:03 (1) 16:05 63 12:11 (1)
9	05:04	05:54	06:53	07:50	07:53	08:53 (2) 08:47
	22:13	21:24	20:09	18:52	16:42	107 12:04 (1) 16:05 63 12:11 (1)
10	05:06	05:56	06:55	07:52	07:55	08:53 (2) 08:48
	22:12	21:22	20:07	18:49	16:40	108 12:04 (1) 16:04 62 12:12 (1)
11	05:07	05:58	06:57	07:54	07:57	08:54 (2) 08:50
	22:11	21:19	20:04	18:47	16:38	106 12:04 (1) 16:04 62 12:12 (1)
12	05:08	06:00	06:59	07:56	07:59	08:56 (2) 08:51
	22:10	21:17	20:01	18:44	16:36	105 12:05 (1) 16:04 62 12:12 (1)
13	05:09	06:02	07:01	07:58	08:01	08:56 (2) 08:52
	22:09	21:15	19:59	18:42	16:34	105 12:06 (1) 16:04 61 12:12 (1)
14	05:11	06:04	07:02	08:00	08:04	08:57 (2) 08:53
	22:08	21:13	19:56	18:39	16:33	104 12:06 (1) 16:04 61 12:12 (1)
15	05:12	06:06	07:04	08:02	08:06	08:58 (2) 08:54
	22:07	21:10	19:54	18:37	16:31	102 12:06 (1) 16:04 61 12:14 (1)
16	05:14	06:08	07:06	08:04	10:13 (2) 08:08	09:00 (2) 08:55
	22:06	21:08	19:51	18:35	5 10:18 (2) 16:29	100 12:07 (1) 16:04 61 12:13 (1)
17	05:15	06:09	07:08	08:06	10:06 (2) 08:10	09:01 (2) 08:56
	22:04	21:06	19:48	18:32	18 10:24 (2) 16:28	98 12:07 (1) 16:04 60 12:13 (1)
18	05:16	06:11	07:10	08:08	10:03 (2) 08:12	09:03 (2) 08:57
	22:03	21:04	19:46	18:30	24 10:27 (2) 16:26	94 12:07 (1) 16:04 60 12:14 (1)
19	05:18	06:13	07:12	08:10	10:01 (2) 08:13	09:04 (2) 08:57
	22:02	21:01	19:43	18:27	28 10:29 (2) 16:25	92 12:07 (1) 16:04 60 12:15 (1)
20	05:19	06:15	07:14	08:12	09:59 (2) 08:15	09:06 (2) 08:58
	22:00	20:59	19:41	18:25	31 10:30 (2) 16:23	88 12:07 (1) 16:05 60 12:14 (1)
21	05:21	06:17	07:16	08:14	09:57 (2) 08:17	09:10 (2) 08:59
	21:59	20:57	19:38	18:23	35 10:32 (2) 16:22	83 12:08 (1) 16:05 60 12:15 (1)
22	05:23	06:19	07:18	08:16	09:56 (2) 08:19	09:14 (2) 08:59
	21:57	20:54	19:35	18:20	38 10:34 (2) 16:20	75 12:08 (1) 16:05 60 12:16 (1)
23	05:24	06:21	07:19	08:18	09:55 (2) 08:21	11:00 (1) 09:00
	21:56	20:52	19:33	18:18	40 10:35 (2) 16:19	69 12:09 (1) 16:06 60 12:16 (1)
24	05:26	06:23	07:21	08:20	09:54 (2) 08:23	11:01 (1) 09:00
	21:54	20:49	19:30	18:16	41 10:35 (2) 16:18	68 12:09 (1) 16:07 60 12:17 (1)
25	05:28	06:25	07:23	07:22	08:53 (2) 08:25	11:01 (1) 09:00
	21:53	20:47	19:28	17:13	56 11:37 (1) 16:16	68 12:09 (1) 16:07 60 12:17 (1)
26	05:29	06:27	07:25	07:24	08:52 (2) 08:27	11:02 (1) 09:01
	21:51	20:44	19:25	17:11	69 11:43 (1) 16:15	67 12:09 (1) 16:08 60 12:18 (1)
27	05:31	06:28	07:27	07:26	08:52 (2) 08:28	11:02 (1) 09:01
	21:49	20:42	19:23	17:09	77 11:47 (1) 16:14	67 12:09 (1) 16:09 61 12:19 (1)
28	05:33	06:30	07:29	07:29	08:52 (2) 08:30	11:03 (1) 09:01
	21:47	20:40	19:20	17:07	81 11:49 (1) 16:13	66 12:09 (1) 16:10 60 12:19 (1)
29	05:34	06:32	07:31	07:31	08:51 (2) 08:32	11:03 (1) 09:01
	21:46	20:37	19:17	17:04	88 11:51 (1) 16:12	67 12:10 (1) 16:10 61 12:20 (1)
30	05:36	06:34	07:33	07:33	08:50 (2) 08:34	11:04 (1) 09:01
	21:44	20:35	19:15	17:02	93 11:53 (1) 16:11	66 12:10 (1) 16:11 61 12:20 (1)
31	05:38	06:36		07:35	08:51 (2)	09:01
	21:42	20:32		17:00	95 11:55 (1)	16:12 62 12:21 (1)
Potential sun hours	521	465	383	326	253	224
Total, worst case				819	2739	1913
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,56	0,35	0,20
Total reduction				0,16	0,05	0,03
Total, real				130	140	48

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: I - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	11:26 (2) 08:28	08:57 (3) 07:27	15:00 (1) 07:08	05:55	05:02	
16:14	59 12:25 (2) 17:08	149 15:47 (1) 18:07	40 15:40 (1) 20:10	21:09	22:03	
2 09:01	11:25 (2) 08:26	08:55 (3) 07:24	15:03 (1) 07:05	05:53	05:01	
16:15	60 12:25 (2) 17:10	153 15:47 (1) 18:10	35 15:38 (1) 20:12	21:11	22:04	
3 09:01	11:26 (2) 08:24	08:54 (3) 07:22	15:06 (1) 07:03	05:51	05:00	
16:16	60 12:26 (2) 17:12	155 15:48 (1) 18:12	29 15:35 (1) 20:14	21:13	22:05	
4 09:00	11:26 (2) 08:22	08:54 (3) 07:19	15:10 (1) 07:00	05:49	04:59	
16:18	60 12:26 (2) 17:15	156 15:49 (1) 18:14	22 15:32 (1) 20:16	21:15	22:06	
5 09:00	11:26 (2) 08:20	08:54 (3) 07:17	15:16 (1) 06:58	05:46	04:58	
16:19	62 12:28 (2) 17:17	158 15:50 (1) 18:16	9 15:25 (1) 20:18	21:17	22:08	
6 08:59	11:26 (2) 08:18	08:54 (3) 07:14	06:55	05:44	04:57	
16:20	62 12:28 (2) 17:19	158 15:50 (1) 18:18	20:20	21:19	22:09	
7 08:59	11:26 (2) 08:16	08:54 (3) 07:12	06:53	05:42	04:56	
16:22	63 12:29 (2) 17:21	158 15:51 (1) 18:20	20:22	21:20	22:10	
8 08:58	11:26 (2) 08:14	08:54 (3) 07:09	06:50	05:40	04:56	
16:23	64 12:30 (2) 17:23	158 15:51 (1) 18:22	20:24	21:22	22:11	
9 08:58	11:27 (2) 08:12	08:55 (3) 07:07	06:48	05:38	04:55	
16:25	64 12:31 (2) 17:25	156 15:51 (1) 18:24	20:25	21:24	22:12	
10 08:57	11:27 (2) 08:10	08:56 (3) 07:04	06:45	05:36	04:55	
16:26	65 12:32 (2) 17:27	154 15:52 (1) 18:26	20:27	21:26	22:13	
11 08:56	11:27 (2) 08:08	08:57 (3) 07:02	06:43	05:34	04:54	
16:28	66 12:33 (2) 17:29	152 15:52 (1) 18:28	20:29	21:28	22:14	
12 08:55	11:26 (2) 08:06	08:58 (3) 06:59	06:40	05:32	04:54	
16:30	67 12:33 (2) 17:32	146 15:51 (1) 18:30	20:31	21:30	22:14	
13 08:54	11:26 (2) 08:04	09:01 (3) 06:57	06:38	05:30	04:53	
16:31	68 12:34 (2) 17:34	141 15:52 (1) 18:32	20:33	21:32	22:15	
14 08:53	11:26 (2) 08:02	11:32 (2) 06:54	06:35	05:29	04:53	
16:33	69 12:35 (2) 17:36	131 15:52 (1) 18:34	20:35	21:34	22:16	
15 08:52	11:26 (2) 07:59	11:32 (2) 06:52	06:33	05:27	04:53	
16:35	70 12:36 (2) 17:38	129 15:51 (1) 18:36	20:37	21:35	22:16	
16 08:51	11:26 (2) 07:57	11:34 (2) 06:49	06:30	05:25	04:52	
16:36	70 12:36 (2) 17:40	126 15:51 (1) 18:38	20:39	21:37	22:17	
17 08:50	11:26 (2) 07:55	11:35 (2) 06:47	06:28	05:23	04:52	
16:38	83 15:21 (1) 17:42	124 15:52 (1) 18:40	20:41	21:39	22:18	
18 08:49	11:26 (2) 07:53	11:36 (2) 06:44	06:25	05:21	04:52	
16:40	90 15:25 (1) 17:44	120 15:51 (1) 18:42	20:43	21:41	22:18	
19 08:48	11:26 (2) 07:51	11:37 (2) 06:41	06:23	05:20	04:52	
16:42	96 15:28 (1) 17:47	118 15:51 (1) 18:44	20:45	21:42	22:18	
20 08:47	11:26 (2) 07:48	11:39 (2) 06:39	06:21	05:18	04:52	
16:44	100 15:30 (1) 17:49	114 15:51 (1) 18:46	20:47	21:44	22:19	
21 08:45	11:26 (2) 07:46	11:40 (2) 06:36	06:18	05:16	04:52	
16:46	104 15:32 (1) 17:51	108 15:49 (1) 18:48	20:49	21:46	22:19	
22 08:44	11:26 (2) 07:44	11:43 (2) 06:34	06:16	05:15	04:52	
16:48	109 15:34 (1) 17:53	102 15:49 (1) 18:50	20:51	21:48	22:19	
23 08:42	11:26 (2) 07:41	11:44 (2) 06:31	06:13	05:13	04:53	
16:50	112 15:36 (1) 17:55	96 15:48 (1) 18:52	20:53	21:49	22:19	
24 08:41	11:26 (2) 07:39	11:48 (2) 06:29	06:11	05:12	04:53	
16:52	115 15:37 (1) 17:57	87 15:47 (1) 18:54	20:55	21:51	22:19	
25 08:39	11:26 (2) 07:36	11:51 (2) 06:26	06:09	05:10	04:53	
16:54	118 15:39 (1) 17:59	78 15:46 (1) 18:56	20:57	21:52	22:19	
26 08:38	11:27 (2) 07:34	12:00 (2) 06:23	06:06	05:09	04:54	
16:56	120 15:41 (1) 18:01	58 15:45 (1) 18:58	20:59	21:54	22:19	
27 08:36	11:26 (2) 07:32	14:57 (1) 06:21	06:04	05:08	04:54	
16:58	124 15:42 (1) 18:03	46 15:43 (1) 19:00	21:01	21:55	22:19	
28 08:35	09:05 (3) 07:29	14:59 (1) 06:18	06:02	05:06	04:55	
17:00	129 15:43 (1) 18:05	43 15:42 (1) 19:02	21:03	21:57	22:19	
29 08:33	09:03 (3)	07:16	06:00	05:05	04:55	
17:02	134 15:44 (1)	20:04	21:05	21:58	22:19	
30 08:31	09:01 (3)	07:13	05:57	05:04	04:56	
17:04	140 15:45 (1)	20:06	21:07	22:00	22:19	
31 08:30	08:59 (3)	07:11		05:03		
17:06	144 15:46 (1)	20:08		22:01		
Potential sun hours	242	269	366	423	501	520
Total, worst case	2747	3474	4350	5135	5940	6270
Sun reduction	0,18	0,25	0,34	0,42	0,50	0,52
Oper. time red.	1,00	1,00	1,00	1,00	1,00	1,00
Wind dir. red.	0,28	0,43	0,62	0,80	0,90	0,92
Total reduction	0,05	0,10	0,20	0,30	0,40	0,42
Total, real	132	347	435	513	594	627

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: I - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 21:40	06:38 20:30	07:35 19:12	07:37 16:58	08:25 (3) 15:21 (1)
2	04:58 22:18	05:41 21:38	06:40 20:27	07:37 19:10	07:39 16:56	08:24 (3) 15:21 (1)
3	04:58 22:17	05:43 21:36	06:42 20:24	07:39 19:07	07:41 16:54	08:24 (3) 15:20 (1)
4	04:59 22:17	05:45 21:34	06:44 20:22	07:41 19:05	07:43 16:52	08:24 (3) 15:21 (1)
5	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:50	08:24 (3) 15:20 (1)
6	05:01 22:16	05:49 21:30	06:47 20:17	07:44 18:59	07:47 16:48	08:23 (3) 15:19 (1)
7	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:46	08:23 (3) 15:19 (1)
8	05:03 22:14	05:52 21:26	06:51 20:12	07:48 18:54	07:51 16:44	08:24 (3) 15:19 (1)
9	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:03 (1)	08:26 (3) 15:18 (1)
10	05:06 22:12	05:56 21:22	06:55 20:07	07:52 18:49	07:55 16:07 (1)	08:28 (3) 15:17 (1)
11	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	07:57 16:10 (1)	08:30 (3) 15:16 (1)
12	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	07:59 16:12 (1)	08:33 (3) 15:17 (1)
13	05:09 22:09	06:02 21:15	07:01 19:59	07:58 18:42	08:01 16:13 (1)	08:35 (3) 15:16 (1)
14	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:03 16:16 (1)	08:37 (3) 15:15 (1)
15	05:12 22:07	06:06 21:10	07:04 19:54	08:02 18:37	08:06 16:17 (1)	10:58 (2) 15:14 (1)
16	05:13 22:06	06:08 21:08	07:06 19:51	08:04 18:35	08:08 16:17 (1)	11:00 (2) 15:14 (1)
17	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:09 16:18 (1)	11:00 (2) 15:12 (1)
18	05:16 22:03	06:11 21:04	07:10 19:46	08:08 18:30	08:11 16:19 (1)	11:00 (2) 15:11 (1)
19	05:18 22:02	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:19 (1)	11:00 (2) 15:10 (1)
20	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	08:15 16:20 (1)	11:01 (2) 15:09 (1)
21	05:21 21:59	06:17 20:56	07:16 19:38	08:14 18:23	08:17 16:20 (1)	11:02 (2) 15:08 (1)
22	05:23 21:57	06:19 20:54	07:18 19:35	08:16 18:20	08:19 16:21 (1)	11:02 (2) 15:07 (1)
23	05:24 21:56	06:21 20:52	07:19 19:33	08:18 18:18	08:21 16:21 (1)	11:03 (2) 15:05 (1)
24	05:26 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 16:21 (1)	11:03 (2) 15:02 (1)
25	05:28 21:52	06:25 20:47	07:23 19:28	08:22 17:13	08:25 15:21 (1)	11:04 (2) 14:59 (1)
26	05:29 21:51	06:26 20:44	07:25 19:25	08:24 17:11	08:27 15:21 (1)	11:05 (2) 12:15 (2)
27	05:31 21:49	06:28 20:42	07:27 19:23	08:26 17:09	08:28 15:22 (1)	11:05 (2) 12:15 (2)
28	05:33 21:47	06:30 20:39	07:29 19:20	08:29 17:07	08:30 15:22 (1)	11:06 (2) 12:15 (2)
29	05:34 21:46	06:32 20:37	07:31 19:17	08:31 17:04	08:32 15:21 (1)	11:07 (2) 12:15 (2)
30	05:36 21:44	06:34 20:35	07:33 19:15	08:33 17:02	08:34 15:21 (1)	11:08 (2) 12:15 (2)
31	05:38 21:42	06:36 20:32		08:35 17:00	08:27 (3) 15:22 (1)	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case				2100	3619	1816
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,44	0,36	0,19
Total reduction				0,13	0,05	0,02
Total, real				269	197	43

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: J - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)**Assumptions for shadow calculations**

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	09:48 (3)	08:28	15:13 (2) 07:27	16:35 (1) 07:08	05:55	05:02
16:14	26 10:14 (3) 17:08	47	16:00 (2) 18:07	31 17:06 (1) 20:10	21:09	22:03
2 09:01	09:47 (3) 08:26		15:12 (2) 07:24		05:53	05:01
16:15	27 10:14 (3) 17:10	48	16:00 (2) 18:09	29 17:05 (1) 20:12	21:11	22:04
3 09:01	09:48 (3) 08:24		15:12 (2) 07:22		05:51	05:00
16:16	27 10:15 (3) 17:12	49	16:01 (2) 18:12	28 17:04 (1) 20:14	21:13	22:05
4 09:00	09:48 (3) 08:22		15:12 (2) 07:19		05:48	04:59
16:18	28 10:16 (3) 17:15	50	16:02 (2) 18:14	25 17:03 (1) 20:16	21:15	22:06
5 09:00	09:49 (3) 08:20		15:12 (2) 07:17		05:46	04:58
16:19	28 10:17 (3) 17:17	50	16:02 (2) 18:16	22 17:01 (1) 20:18	21:17	22:08
6 08:59	09:49 (3) 08:18		15:12 (2) 07:14		05:44	04:57
16:20	28 10:17 (3) 17:19	51	16:03 (2) 18:18	17 16:59 (1) 20:20	21:19	22:09
7 08:59	09:49 (3) 08:16		15:11 (2) 07:12		05:42	04:56
16:22	28 10:17 (3) 17:21	51	16:02 (2) 18:20	9 16:54 (1) 20:22	21:20	22:10
8 08:58	09:49 (3) 08:14		15:11 (2) 07:09		05:40	04:56
16:23	29 10:18 (3) 17:23	52	16:03 (2) 18:22		21:22	22:11
9 08:58	09:49 (3) 08:12		15:11 (2) 07:07		05:38	04:55
16:25	29 10:18 (3) 17:25	52	16:03 (2) 18:24		21:24	22:12
10 08:57	09:51 (3) 08:10		15:12 (2) 07:04		05:36	04:54
16:26	28 10:19 (3) 17:27	51	16:03 (2) 18:26		21:26	22:13
11 08:56	09:50 (3) 08:08		15:12 (2) 07:02		05:34	04:54
16:28	29 10:19 (3) 17:29	52	16:04 (2) 18:28		21:28	22:14
12 08:55	09:50 (3) 08:06		15:12 (2) 06:59		05:32	04:54
16:29	29 10:19 (3) 17:32	51	16:03 (2) 18:30		21:30	22:14
13 08:54	09:51 (3) 08:04		15:12 (2) 06:57		05:30	04:53
16:31	29 10:20 (3) 17:34	63	16:58 (1) 18:32		21:32	22:15
14 08:53	09:52 (3) 08:02		15:13 (2) 06:54		05:28	04:53
16:33	28 10:20 (3) 17:36	68	17:01 (1) 18:34		21:34	22:16
15 08:52	09:52 (3) 07:59		15:13 (2) 06:52		05:27	04:53
16:35	29 10:21 (3) 17:38	71	17:02 (1) 18:36		21:35	22:16
16 08:51	09:52 (3) 07:57		15:14 (2) 06:49		05:25	04:52
16:36	28 10:20 (3) 17:40	73	17:04 (1) 18:38		21:37	22:17
17 08:50	09:53 (3) 07:55		15:15 (2) 06:47		05:23	04:52
16:38	28 10:21 (3) 17:42	74	17:06 (1) 18:40		21:39	22:18
18 08:49	09:54 (3) 07:53		15:15 (2) 06:44		05:21	04:52
16:40	37 15:38 (2) 17:44	74	17:06 (1) 18:42		21:41	22:18
19 08:48	09:54 (3) 07:50		15:16 (2) 06:41		05:20	04:52
16:42	44 15:41 (2) 17:46	74	17:07 (1) 18:44		21:42	22:18
20 08:47	09:56 (3) 07:48		15:17 (2) 06:39		05:18	04:52
16:44	46 15:44 (2) 17:49	74	17:08 (1) 18:46		21:44	22:19
21 08:45	09:56 (3) 07:46		15:18 (2) 06:36		05:16	04:52
16:46	49 15:46 (2) 17:51	72	17:08 (1) 18:48		21:46	22:19
22 08:44	09:57 (3) 07:44		15:20 (2) 06:34		05:15	04:52
16:48	52 15:48 (2) 17:53	70	17:09 (1) 18:50		21:48	22:19
23 08:42	09:59 (3) 07:41		15:21 (2) 06:31		05:13	04:53
16:50	52 15:50 (2) 17:55	67	17:08 (1) 18:52		21:49	22:19
24 08:41	10:00 (3) 07:39		15:24 (2) 06:29		05:12	04:53
16:52	52 15:51 (2) 17:57	63	17:09 (1) 18:54		21:51	22:19
25 08:39	10:01 (3) 07:36		15:26 (2) 06:26		05:10	04:53
16:54	51 15:52 (2) 17:59	57	17:08 (1) 18:56		21:52	22:19
26 08:38	10:04 (3) 07:34		15:30 (2) 06:23		05:09	04:54
16:56	50 15:55 (2) 18:01	50	17:08 (1) 18:58		21:54	22:19
27 08:36	10:07 (3) 07:32		16:34 (1) 06:21		05:08	04:54
16:58	46 15:56 (2) 18:03	33	17:07 (1) 19:00		21:55	22:19
28 08:35	15:15 (2) 07:29		16:35 (1) 06:18		05:06	04:55
17:00	41 15:56 (2) 18:05	32	17:07 (1) 19:02		21:57	22:19
29 08:33	15:14 (2)		07:16		05:59	05:05
17:02	43 15:57 (2)		20:04		21:05	21:58
30 08:31	15:14 (2)		07:13		05:57	05:04
17:04	44 15:58 (2)		20:06		21:07	22:00
31 08:30	15:13 (2)		07:11		05:03	
17:06	46 15:59 (2)		20:08		22:01	
Potential sun hours	242	269	366	423	501	520
Total, worst case	1131	1619	161			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,62	0,72	0,87			
Total reduction	0,11	0,17	0,29			
Total, real	123	279	46			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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LT-54469 Kauno r. sav.

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: J - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	07:37	14:41 (2) 08:35
	22:18	21:40	20:29	19:12	16:58	52 15:33 (2) 16:10
2	04:58	05:41	06:40	07:37	07:39	14:41 (2) 08:37
	22:18	21:38	20:27	19:10	16:56	52 15:33 (2) 16:09
3	04:58	05:43	06:42	07:39	07:41	14:41 (2) 08:38
	22:17	21:36	20:24	19:07	16:54	51 15:32 (2) 16:08
4	04:59	05:45	06:44	07:41	07:43	14:42 (2) 08:40
	22:17	21:34	20:22	19:04	16:52	51 15:33 (2) 16:08
5	05:00	05:47	06:45	07:42	07:45	14:42 (2) 08:42
	22:16	21:32	20:19	19:02	16:50	50 15:32 (2) 16:07
6	05:01	05:49	06:47	07:44	07:47	14:42 (2) 08:43
	22:15	21:30	20:17	18:59	16:48	50 15:32 (2) 16:06
7	05:02	05:51	06:49	07:46	17:19 (1) 07:49	14:42 (2) 08:44
	22:15	21:28	20:14	18:57	17:32 (1) 16:46	49 15:31 (2) 16:06
8	05:03	05:52	06:51	07:48	17:15 (1) 07:51	14:43 (2) 08:46
	22:14	21:26	20:12	18:54	20 17:35 (1) 16:44	49 15:32 (2) 16:05
9	05:04	05:54	06:53	07:50	17:13 (1) 07:53	14:43 (2) 08:47
	22:13	21:24	20:09	18:52	23 17:36 (1) 16:42	48 15:31 (2) 16:05
10	05:06	05:56	06:55	07:52	17:11 (1) 07:55	14:44 (2) 08:48
	22:12	21:22	20:07	18:49	26 17:37 (1) 16:40	47 15:31 (2) 16:04
11	05:07	05:58	06:57	07:54	17:10 (1) 07:57	14:44 (2) 08:50
	22:11	21:19	20:04	18:47	28 17:38 (1) 16:38	46 15:30 (2) 16:04
12	05:08	06:00	06:59	07:56	17:08 (1) 07:59	14:46 (2) 08:51
	22:10	21:17	20:01	18:44	31 17:39 (1) 16:36	44 15:30 (2) 16:04
13	05:09	06:02	07:01	07:58	17:07 (1) 08:01	14:46 (2) 08:52
	22:09	21:15	19:59	18:42	32 17:39 (1) 16:34	43 15:29 (2) 16:04
14	05:11	06:04	07:02	08:00	17:06 (1) 08:03	14:47 (2) 08:53
	22:08	21:13	19:56	18:39	33 17:39 (1) 16:33	41 15:28 (2) 16:04
15	05:12	06:06	07:04	08:02	16:06 (2) 08:05	09:38 (3) 08:54
	22:07	21:10	19:54	18:37	43 17:41 (1) 16:31	47 15:27 (2) 16:04
16	05:13	06:07	07:06	08:04	16:00 (2) 08:07	09:37 (3) 08:55
	22:06	21:08	19:51	18:35	54 17:40 (1) 16:29	49 15:27 (2) 16:04
17	05:15	06:09	07:08	08:06	15:57 (2) 08:09	09:35 (3) 08:56
	22:04	21:06	19:48	18:32	59 17:40 (1) 16:28	51 15:26 (2) 16:04
18	05:16	06:11	07:10	08:08	15:54 (2) 08:11	09:34 (3) 08:56
	22:03	21:04	19:46	18:30	65 17:40 (1) 16:26	52 15:25 (2) 16:04
19	05:18	06:13	07:12	08:10	15:52 (2) 08:13	09:33 (3) 08:57
	22:02	21:01	19:43	18:27	68 17:39 (1) 16:25	52 15:24 (2) 16:04
20	05:19	06:15	07:14	08:12	15:50 (2) 08:15	09:32 (3) 08:58
	22:00	20:59	19:41	18:25	71 17:39 (1) 16:23	52 15:23 (2) 16:05
21	05:21	06:17	07:16	08:14	15:48 (2) 08:17	09:32 (3) 08:59
	21:59	20:56	19:38	18:23	73 17:38 (1) 16:22	49 15:22 (2) 16:05
22	05:23	06:19	07:18	08:16	15:47 (2) 08:19	09:32 (3) 08:59
	21:57	20:54	19:35	18:20	74 17:38 (1) 16:20	47 15:21 (2) 16:05
23	05:24	06:21	07:19	08:18	15:46 (2) 08:21	09:32 (3) 09:00
	21:56	20:52	19:33	18:18	74 17:37 (1) 16:19	44 15:19 (2) 16:06
24	05:26	06:23	07:21	08:20	15:45 (2) 08:23	09:31 (3) 09:00
	21:54	20:49	19:30	18:16	75 17:36 (1) 16:18	38 15:16 (2) 16:06
25	05:27	06:25	07:23	07:22	14:44 (2) 08:25	09:31 (3) 09:00
	21:52	20:47	19:28	17:13	74 16:35 (1) 16:16	28 09:59 (3) 16:07
26	05:29	06:26	07:25	07:24	14:43 (2) 08:27	09:31 (3) 09:01
	21:51	20:44	19:25	17:11	72 16:33 (1) 16:15	28 09:59 (3) 16:08
27	05:31	06:28	07:27	07:26	14:43 (2) 08:28	09:32 (3) 09:01
	21:49	20:42	19:22	17:09	70 16:32 (1) 16:14	28 10:00 (3) 16:09
28	05:33	06:30	07:29	07:28	14:42 (2) 08:30	09:32 (3) 09:01
	21:47	20:39	19:20	17:07	67 16:30 (1) 16:13	29 10:01 (3) 16:10
29	05:34	06:32	07:31	07:31	14:42 (2) 08:32	09:32 (3) 09:01
	21:46	20:37	19:17	17:04	60 16:26 (1) 16:12	29 10:01 (3) 16:10
30	05:36	06:34	07:33	07:33	14:41 (2) 08:34	09:33 (3) 09:01
	21:44	20:34	19:15	17:02	51 15:32 (2) 16:11	29 10:02 (3) 16:11
31	05:38	06:36		07:35	14:41 (2)	09:01
	21:42	20:32		17:00	51 15:32 (2)	16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case				1307	1325	822
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,76	0,64	0,59
Total reduction				0,23	0,10	0,08
Total, real				298	131	64

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: K - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	09:39 (3) 08:28	09:47 (3) 07:27	15:27 (2) 07:08	05:55	05:02	
16:14	15 09:54 (3) 17:08	45 16:06 (2) 18:07	87 17:24 (1) 20:10	21:09	22:03	
2 09:01	09:38 (3) 08:26	09:49 (3) 07:24	15:28 (2) 07:05	05:53	05:01	
16:15	16 09:54 (3) 17:10	45 16:08 (2) 18:09	87 17:25 (1) 20:12	21:11	22:04	
3 09:01	09:38 (3) 08:24	09:52 (3) 07:22	15:28 (2) 07:03	05:51	05:00	
16:16	18 09:56 (3) 17:12	43 16:10 (2) 18:12	85 17:24 (1) 20:14	21:13	22:05	
4 09:00	09:38 (3) 08:22	15:34 (2) 07:19	15:30 (2) 07:00	05:49	04:59	
16:18	18 09:56 (3) 17:15	38 16:12 (2) 18:14	82 17:25 (1) 20:16	21:15	22:06	
5 09:00	09:38 (3) 08:20	15:33 (2) 07:17	15:31 (2) 06:58	05:46	04:58	
16:19	20 09:58 (3) 17:17	40 16:13 (2) 18:16	79 17:24 (1) 20:18	21:17	22:08	
6 08:59	09:38 (3) 08:18	15:32 (2) 07:14	15:33 (2) 06:55	05:44	04:57	
16:20	21 09:59 (3) 17:19	43 16:15 (2) 18:18	75 17:24 (1) 20:20	21:18	22:09	
7 08:59	09:37 (3) 08:16	15:30 (2) 07:12	15:35 (2) 06:53	05:42	04:56	
16:22	22 09:59 (3) 17:21	45 16:15 (2) 18:20	71 17:23 (1) 20:22	21:20	22:10	
8 08:58	09:37 (3) 08:14	15:29 (2) 07:09	15:36 (2) 06:50	05:40	04:56	
16:23	23 10:00 (3) 17:23	48 16:17 (2) 18:22	66 17:22 (1) 20:23	21:22	22:11	
9 08:58	09:37 (3) 08:12	15:29 (2) 07:07	15:40 (2) 06:48	05:38	04:55	
16:25	24 10:01 (3) 17:25	49 16:18 (2) 18:24	59 17:22 (1) 20:25	21:24	22:12	
10 08:57	09:38 (3) 08:10	15:28 (2) 07:04	15:44 (2) 06:45	05:36	04:54	
16:26	25 10:03 (3) 17:27	51 16:19 (2) 18:26	48 17:20 (1) 20:27	21:26	22:13	
11 08:56	09:37 (3) 08:08	15:28 (2) 07:02	16:50 (1) 06:43	05:34	04:54	
16:28	25 10:02 (3) 17:29	52 16:20 (2) 18:28	30 17:20 (1) 20:29	21:28	22:14	
12 08:55	09:37 (3) 08:06	15:26 (2) 06:59	16:50 (1) 06:40	05:32	04:54	
16:29	26 10:03 (3) 17:32	54 16:20 (2) 18:30	28 17:18 (1) 20:31	21:30	22:14	
13 08:54	09:37 (3) 08:04	15:26 (2) 06:57	16:51 (1) 06:38	05:30	04:53	
16:31	27 10:04 (3) 17:34	55 16:21 (2) 18:32	25 17:16 (1) 20:33	21:32	22:15	
14 08:53	09:37 (3) 08:02	15:26 (2) 06:54	16:54 (1) 06:35	05:28	04:53	
16:33	28 10:05 (3) 17:36	56 16:22 (2) 18:34	20 17:14 (1) 20:35	21:34	22:16	
15 08:52	09:38 (3) 07:59	15:25 (2) 06:52	16:56 (1) 06:33	05:27	04:53	
16:35	28 10:06 (3) 17:38	56 16:21 (2) 18:36	14 17:10 (1) 20:37	21:35	22:16	
16 08:51	09:37 (3) 07:57	15:25 (2) 06:49	06:30	05:25	04:52	
16:36	29 10:06 (3) 17:40	57 16:22 (2) 18:38	20:39	21:37	22:17	
17 08:50	09:37 (3) 07:55	15:25 (2) 06:47	06:28	05:23	04:52	
16:38	30 10:07 (3) 17:42	58 16:23 (2) 18:40	20:41	21:39	22:18	
18 08:49	09:38 (3) 07:53	15:24 (2) 06:44	06:25	05:21	04:52	
16:40	30 10:08 (3) 17:44	58 16:22 (2) 18:42	20:43	21:41	22:18	
19 08:48	09:38 (3) 07:50	15:24 (2) 06:41	06:23	05:20	04:52	
16:42	30 10:08 (3) 17:46	59 16:23 (2) 18:44	20:45	21:42	22:18	
20 08:47	09:39 (3) 07:48	15:25 (2) 06:39	06:20	05:18	04:52	
16:44	30 10:09 (3) 17:49	58 16:23 (2) 18:46	20:47	21:44	22:19	
21 08:45	09:38 (3) 07:46	15:24 (2) 06:36	06:18	05:16	04:52	
16:46	31 10:09 (3) 17:51	72 17:14 (1) 18:48	20:49	21:46	22:19	
22 08:44	09:38 (3) 07:44	15:24 (2) 06:34	06:16	05:15	04:52	
16:48	30 10:08 (3) 17:53	78 17:17 (1) 18:50	20:51	21:48	22:19	
23 08:42	09:39 (3) 07:41	15:24 (2) 06:31	06:13	05:13	04:53	
16:50	30 10:09 (3) 17:55	82 17:19 (1) 18:52	20:53	21:49	22:19	
24 08:41	09:40 (3) 07:39	15:25 (2) 06:29	06:11	05:12	04:53	
16:52	29 10:09 (3) 17:57	84 17:21 (1) 18:54	20:55	21:51	22:19	
25 08:39	09:40 (3) 07:36	15:24 (2) 06:26	06:09	05:10	04:53	
16:54	29 10:09 (3) 17:59	86 17:21 (1) 18:56	20:57	21:52	22:19	
26 08:38	09:41 (3) 07:34	15:25 (2) 06:23	06:06	05:09	04:54	
16:56	29 10:10 (3) 18:01	88 17:23 (1) 18:58	20:59	21:54	22:19	
27 08:36	09:42 (3) 07:32	15:25 (2) 06:21	06:04	05:08	04:54	
16:58	27 10:09 (3) 18:03	88 17:23 (1) 19:00	21:01	21:55	22:19	
28 08:35	09:42 (3) 07:29	15:26 (2) 06:18	06:02	05:06	04:55	
17:00	27 10:09 (3) 18:05	88 17:24 (1) 19:02	21:03	21:57	22:19	
29 08:33	09:43 (3) 07:27	07:16	05:59	05:05	04:55	
17:02	25 10:08 (3) 18:04	20:04	21:05	21:58	22:19	
30 08:31	09:44 (3) 07:25	07:13	05:57	05:04	04:56	
17:04	38 15:59 (2) 18:06	20:06	21:07	22:00	22:19	
31 08:30	09:45 (3) 07:23	07:11	05:03	05:03	04:56	
17:06	43 16:03 (2) 18:08	20:08	22:01	22:01	04:56	
Potential sun hours	242	269	366	423	501	520
Total, worst case	823	1676	856			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,65	0,75	0,83			
Total reduction	0,11	0,18	0,28			
Total, real	95	301	236			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: K - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	17:30 (1) 07:37	14:58 (2) 08:35
	22:18	21:40	20:29	19:12	26 17:56 (1) 16:58	50 15:48 (2) 16:10
2	04:58	05:41	06:40	07:37	17:28 (1) 07:39	14:58 (2) 08:37
	22:18	21:38	20:27	19:10	29 17:57 (1) 16:56	49 15:47 (2) 16:09
3	04:58	05:43	06:42	07:39	16:25 (2) 07:41	14:59 (2) 08:38
	22:17	21:36	20:24	19:07	41 17:58 (1) 16:54	47 15:46 (2) 16:08
4	04:59	05:45	06:44	07:41	16:19 (2) 07:43	15:01 (2) 08:40
	22:17	21:34	20:22	19:04	54 17:59 (1) 16:52	45 15:46 (2) 16:08
5	05:00	05:47	06:45	07:42	16:15 (2) 07:45	15:02 (2) 08:42
	22:16	21:32	20:19	19:02	62 17:59 (1) 16:50	42 15:44 (2) 16:07
6	05:01	05:49	06:47	07:44	16:12 (2) 07:47	15:03 (2) 08:43
	22:15	21:30	20:17	18:59	68 17:59 (1) 16:48	40 15:43 (2) 16:06
7	05:02	05:51	06:49	07:46	16:09 (2) 07:49	15:04 (2) 08:44
	22:15	21:28	20:14	18:57	74 17:59 (1) 16:46	37 15:41 (2) 16:06
8	05:03	05:52	06:51	07:48	16:07 (2) 07:51	09:23 (3) 08:46
	22:14	21:26	20:12	18:54	78 17:59 (1) 16:44	43 15:41 (2) 16:05
9	05:04	05:54	06:53	07:50	16:05 (2) 07:53	09:20 (3) 08:47
	22:13	21:24	20:09	18:52	81 17:59 (1) 16:42	45 15:39 (2) 16:05
10	05:06	05:56	06:55	07:52	16:03 (2) 07:55	09:18 (3) 08:48
	22:12	21:22	20:07	18:49	84 17:59 (1) 16:40	44 15:36 (2) 16:04
11	05:07	05:58	06:57	07:54	16:02 (2) 07:57	09:16 (3) 08:50
	22:11	21:19	20:04	18:47	85 17:58 (1) 16:38	43 15:34 (2) 16:04
12	05:08	06:00	06:59	07:56	16:00 (2) 07:59	09:16 (3) 08:51
	22:10	21:17	20:01	18:44	87 17:57 (1) 16:36	37 15:31 (2) 16:04
13	05:09	06:02	07:01	07:58	15:59 (2) 08:01	09:15 (3) 08:52
	22:09	21:15	19:59	18:42	88 17:57 (1) 16:34	25 09:40 (3) 16:04
14	05:11	06:04	07:02	08:00	15:58 (2) 08:03	09:14 (3) 08:53
	22:08	21:13	19:56	18:39	88 17:56 (1) 16:33	27 09:41 (3) 16:04
15	05:12	06:06	07:04	08:02	15:58 (2) 08:05	09:14 (3) 08:54
	22:07	21:10	19:54	18:37	88 17:56 (1) 16:31	27 09:41 (3) 16:04
16	05:13	06:07	07:06	08:04	15:57 (2) 08:07	09:14 (3) 08:55
	22:06	21:08	19:51	18:35	87 17:55 (1) 16:29	28 09:42 (3) 16:04
17	05:15	06:09	07:08	08:06	15:56 (2) 08:09	09:14 (3) 08:56
	22:04	21:06	19:48	18:32	85 17:53 (1) 16:28	29 09:43 (3) 16:04
18	05:16	06:11	07:10	08:08	15:56 (2) 08:11	09:14 (3) 08:56
	22:03	21:04	19:46	18:30	82 17:51 (1) 16:26	29 09:43 (3) 16:04
19	05:18	06:13	07:12	08:10	15:55 (2) 08:13	09:13 (3) 08:57
	22:02	21:01	19:43	18:27	80 17:49 (1) 16:25	30 09:43 (3) 16:04
20	05:19	06:15	07:14	08:12	15:55 (2) 08:15	09:13 (3) 08:58
	22:00	20:59	19:41	18:25	76 17:47 (1) 16:23	31 09:44 (3) 16:05
21	05:21	06:17	07:16	08:14	15:54 (2) 08:17	09:14 (3) 08:59
	21:59	20:56	19:38	18:23	70 17:43 (1) 16:22	31 09:45 (3) 16:05
22	05:23	06:19	07:18	08:16	15:55 (2) 08:19	09:15 (3) 08:59
	21:57	20:54	19:35	18:20	58 16:53 (2) 16:20	30 09:45 (3) 16:05
23	05:24	06:21	07:19	08:18	15:55 (2) 08:21	09:15 (3) 09:00
	21:56	20:52	19:33	18:18	58 16:53 (2) 16:19	30 09:45 (3) 16:06
24	05:26	06:23	07:21	08:20	15:54 (2) 08:23	09:15 (3) 09:00
	21:54	20:49	19:30	18:16	58 16:52 (2) 16:18	30 09:45 (3) 16:06
25	05:27	06:25	07:23	07:22	14:54 (2) 08:25	09:16 (3) 09:00
	21:52	20:47	19:28	17:13	58 15:52 (2) 16:16	29 09:45 (3) 16:07
26	05:29	06:26	07:25	07:24	14:54 (2) 08:27	09:16 (3) 09:01
	21:51	20:44	19:25	17:11	57 15:51 (2) 16:15	29 09:45 (3) 16:08
27	05:31	06:28	07:27	07:26	14:55 (2) 08:28	09:17 (3) 09:01
	21:49	20:42	19:22	17:09	57 15:52 (2) 16:14	28 09:45 (3) 16:09
28	05:33	06:30	07:29	07:28	14:55 (2) 08:30	09:17 (3) 09:01
	21:47	20:39	19:20	17:07	56 15:51 (2) 16:13	28 09:45 (3) 16:10
29	05:34	06:32	07:31	17:35 (1) 07:31	14:56 (2) 08:32	09:18 (3) 09:01
	21:46	20:37	19:17	17:53 (1) 17:04	54 15:50 (2) 16:12	27 09:45 (3) 16:10
30	05:36	06:34	07:33	17:32 (1) 07:33	14:56 (2) 08:34	09:19 (3) 09:01
	21:44	20:34	19:15	17:55 (1) 17:02	53 15:49 (2) 16:11	26 09:45 (3) 16:11
31	05:38	06:36		07:35	14:56 (2)	09:01
	21:42	20:32		17:00	52 15:48 (2)	16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case			52	2074	1036	400
Sun reduction			0,40	0,31	0,16	0,14
Oper. time red.			1,00	1,00	1,00	1,00
Wind dir. red.			0,91	0,78	0,68	0,65
Total reduction			0,35	0,24	0,11	0,09
Total, real			18	488	109	34

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 Shadow receptor: L - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	09:42 (3)	08:28	09:45 (3)	07:27	07:52 (5)	07:08
16:14	13 09:55 (3)	17:08	26 10:11 (3)	18:07	74 17:32 (1)	20:10
2 09:01	09:41 (3)	08:26	09:46 (3)	07:24	07:50 (5)	07:05
16:15	15 09:56 (3)	17:10	24 10:10 (3)	18:09	86 17:36 (1)	20:12
3 09:01	09:41 (3)	08:24	09:48 (3)	07:22	07:47 (5)	07:03
16:16	16 09:57 (3)	17:12	21 10:09 (3)	18:12	95 17:38 (1)	20:14
4 09:00	09:40 (3)	08:22	09:49 (3)	07:19	07:45 (5)	07:00
16:18	18 09:58 (3)	17:15	19 10:08 (3)	18:14	101 17:40 (1)	20:16
5 09:00	09:40 (3)	08:20	09:52 (3)	07:17	07:44 (5)	06:58
16:19	20 10:00 (3)	17:17	14 10:06 (3)	18:16	103 17:41 (1)	20:18
6 08:59	09:40 (3)	08:18	09:56 (3)	07:14	07:44 (5)	06:55
16:20	21 10:01 (3)	17:19	6 10:02 (3)	18:18	106 17:42 (1)	20:20
7 08:59	09:39 (3)	08:16		07:12	07:44 (5)	06:53
16:22	22 10:01 (3)	17:21		18:20	106 17:43 (1)	20:22
8 08:58	09:39 (3)	08:14		07:09	07:44 (5)	06:50
16:23	23 10:02 (3)	17:23		18:22	107 17:43 (1)	20:23
9 08:58	09:39 (3)	08:12		07:07	07:46 (5)	06:48
16:25	24 10:03 (3)	17:25		18:24	103 17:43 (1)	20:25
10 08:57	09:40 (3)	08:10		07:04	07:47 (5)	06:45
16:26	25 10:05 (3)	17:27		18:26	99 17:43 (1)	20:27
11 08:56	09:39 (3)	08:08		07:02	16:02 (2)	06:43
16:28	26 10:05 (3)	17:29		18:28	89 17:44 (1)	20:29
12 08:55	09:39 (3)	08:06		06:59	16:02 (2)	06:40
16:29	27 10:06 (3)	17:32		18:30	86 17:43 (1)	20:31
13 08:54	09:39 (3)	08:04		06:57	16:02 (2)	06:38
16:31	28 10:07 (3)	17:34		18:32	85 17:42 (1)	20:33
14 08:53	09:39 (3)	08:02	16:24 (2)	06:54	16:04 (2)	06:35
16:33	29 10:08 (3)	17:36	15 16:39 (2)	18:34	81 17:42 (1)	20:35
15 08:52	09:39 (3)	07:59	16:19 (2)	06:52	16:04 (2)	06:33
16:35	30 10:09 (3)	17:38	23 16:42 (2)	18:36	80 17:41 (1)	20:37
16 08:51	09:38 (3)	07:57	16:17 (2)	06:49	16:06 (2)	06:30
16:36	31 10:09 (3)	17:40	28 16:45 (2)	18:38	76 17:41 (1)	20:39
17 08:50	09:39 (3)	07:55	16:15 (2)	06:47	16:07 (2)	06:28
16:38	31 10:10 (3)	17:42	33 16:48 (2)	18:40	72 17:40 (1)	20:41
18 08:49	09:39 (3)	07:53	16:12 (2)	06:44	16:08 (2)	06:25
16:40	32 10:11 (3)	17:44	37 16:49 (2)	18:42	65 17:38 (1)	20:43
19 08:48	09:39 (3)	07:50	16:11 (2)	06:41	16:11 (2)	06:23
16:42	32 10:11 (3)	17:46	40 16:51 (2)	18:44	59 17:37 (1)	20:45
20 08:47	09:39 (3)	07:48	16:10 (2)	06:39	16:13 (2)	06:20
16:44	33 10:12 (3)	17:49	43 16:53 (2)	18:46	50 17:35 (1)	20:47
21 08:45	09:39 (3)	07:46	16:08 (2)	06:36	16:17 (2)	06:18
16:46	33 10:12 (3)	17:51	45 16:53 (2)	18:48	38 17:33 (1)	20:49
22 08:44	09:39 (3)	07:44	16:07 (2)	06:34	16:25 (2)	06:16
16:48	33 10:12 (3)	17:53	48 16:55 (2)	18:50	16 17:30 (1)	20:51
23 08:42	09:40 (3)	07:41	16:06 (2)	06:31		06:13
16:50	33 10:13 (3)	17:55	49 16:55 (2)	18:52		20:53
24 08:41	09:40 (3)	07:39	16:05 (2)	06:29		06:11
16:52	33 10:13 (3)	17:57	51 16:56 (2)	18:54		20:55
25 08:39	09:40 (3)	07:36	16:04 (2)	06:26		06:09
16:54	33 10:13 (3)	17:59	52 16:56 (2)	18:56		20:57
26 08:38	09:41 (3)	07:34	16:04 (2)	06:23		06:06
16:56	33 10:14 (3)	18:01	53 16:57 (2)	18:58		20:59
27 08:36	09:42 (3)	07:32	07:57 (5)	06:21		06:04
16:58	32 10:14 (3)	18:03	56 16:57 (2)	19:00		21:01
28 08:35	09:42 (3)	07:29	07:55 (5)	06:18		06:02
17:00	31 10:13 (3)	18:05	61 16:58 (2)	19:02		21:03
29 08:33	09:43 (3)			07:16		05:59
17:02	30 10:13 (3)			20:04		21:05
30 08:31	09:43 (3)			07:13		05:57
17:04	29 10:12 (3)			20:06		21:07
31 08:30	09:44 (3)			07:11		05:03
17:06	28 10:12 (3)			20:08		22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case	844	744	1777			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,64	0,81	0,89			
Total reduction	0,11	0,19	0,29			
Total, real	95	143	520			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 Shadow receptor: L - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	16:42 (2) 07:37	08:35 09:21 (3)
	22:18	21:40	20:29	19:12	85 18:22 (1) 16:58	16:10 26 09:47 (3)
2	04:58	05:41	06:40	07:37	16:40 (2) 07:39	08:37 09:22 (3)
	22:18	21:38	20:27	19:10	88 18:22 (1) 16:56	16:09 25 09:47 (3)
3	04:58	05:43	06:42	07:39	08:26 (5) 07:41	08:38 09:23 (3)
	22:17	21:36	20:24	19:07	97 18:21 (1) 16:54	16:08 24 09:47 (3)
4	04:59	05:45	06:44	07:41	08:24 (5) 07:43	08:40 09:24 (3)
	22:17	21:34	20:22	19:04	102 18:21 (1) 16:52	16:08 23 09:47 (3)
5	05:00	05:47	06:45	07:42	08:22 (5) 07:45	09:25 (3) 08:41 09:25 (3)
	22:16	21:32	20:19	19:02	104 18:20 (1) 16:50	7 09:32 (3) 16:07 22 09:47 (3)
6	05:01	05:49	06:47	07:44	08:21 (5) 07:47	09:21 (3) 08:43 09:26 (3)
	22:15	21:30	20:17	18:59	105 18:19 (1) 16:48	15 09:36 (3) 16:06 21 09:47 (3)
7	05:02	05:51	06:49	07:46	08:20 (5) 07:49	09:19 (3) 08:44 09:26 (3)
	22:15	21:28	20:14	18:57	106 18:18 (1) 16:46	19 09:38 (3) 16:06 20 09:46 (3)
8	05:03	05:52	06:51	07:48	08:19 (5) 07:51	09:18 (3) 08:46 09:28 (3)
	22:14	21:26	20:12	18:54	105 18:17 (1) 16:44	22 09:40 (3) 16:05 18 09:46 (3)
9	05:04	05:54	06:53	07:50	08:19 (5) 07:53	09:17 (3) 08:47 09:29 (3)
	22:13	21:24	20:09	18:52	103 18:15 (1) 16:42	24 09:41 (3) 16:05 16 09:45 (3)
10	05:06	05:56	06:55	07:52	08:20 (5) 07:55	09:16 (3) 08:48 09:31 (3)
	22:12	21:22	20:07	18:49	98 18:13 (1) 16:40	26 09:42 (3) 16:04 15 09:46 (3)
11	05:07	05:58	06:57	07:54	08:22 (5) 07:57	09:15 (3) 08:50 09:32 (3)
	22:11	21:19	20:04	18:47	91 18:11 (1) 16:38	28 09:43 (3) 16:04 13 09:45 (3)
12	05:08	06:00	06:59	07:56	08:24 (5) 07:59	09:15 (3) 08:51 09:33 (3)
	22:10	21:17	20:01	18:44	82 18:08 (1) 16:36	29 09:44 (3) 16:04 12 09:45 (3)
13	05:09	06:02	07:01	07:58	08:26 (5) 08:01	09:14 (3) 08:52 09:34 (3)
	22:09	21:15	19:59	18:42	65 18:01 (1) 16:34	31 09:45 (3) 16:04 10 09:44 (3)
14	05:11	06:04	07:02	08:00	08:28 (5) 08:03	09:14 (3) 08:53 09:35 (3)
	22:08	21:13	19:56	18:39	60 17:30 (2) 16:33	31 09:45 (3) 16:04 8 09:43 (3)
15	05:12	06:06	07:04	08:02	16:36 (2) 08:05	09:14 (3) 08:54 09:37 (3)
	22:07	21:10	19:54	18:37	54 17:30 (2) 16:31	31 09:45 (3) 16:04 6 09:43 (3)
16	05:13	06:07	07:06	08:04	16:36 (2) 08:07	09:14 (3) 08:55 09:39 (3)
	22:06	21:08	19:51	18:35	53 17:29 (2) 16:29	33 09:47 (3) 16:04 3 09:42 (3)
17	05:15	06:09	07:08	08:06	16:36 (2) 08:09	09:14 (3) 08:56 09:34 (3)
	22:04	21:06	19:48	18:32	52 17:28 (2) 16:28	33 09:47 (3) 16:04 09:47 (3)
18	05:16	06:11	07:10	08:08	16:37 (2) 08:11	09:14 (3) 08:56 09:34 (3)
	22:03	21:04	19:46	18:30	50 17:27 (2) 16:26	33 09:47 (3) 16:04 09:47 (3)
19	05:18	06:13	07:12	08:10	16:37 (2) 08:13	09:14 (3) 08:57 09:34 (3)
	22:02	21:01	19:43	18:27	49 17:26 (2) 16:25	33 09:47 (3) 16:04 09:47 (3)
20	05:19	06:15	07:14	08:12	16:38 (2) 08:15	09:14 (3) 08:58 09:34 (3)
	22:00	20:59	19:41	18:25	47 17:25 (2) 16:23	33 09:47 (3) 16:05 09:47 (3)
21	05:21	06:17	07:16	18:02 (1) 08:14	16:39 (2) 08:17	09:15 (3) 08:59 09:34 (3)
	21:59	20:56	19:38	18:14 (1) 18:23	44 17:23 (2) 16:22	33 09:48 (3) 16:05 09:48 (3)
22	05:23	06:19	07:18	17:03 (2) 08:16	16:41 (2) 08:19	09:15 (3) 08:59 09:34 (3)
	21:57	20:54	19:35	18:17 (1) 18:20	42 17:23 (2) 16:20	33 09:48 (3) 16:05 09:48 (3)
23	05:24	06:21	07:19	16:59 (2) 08:18	16:42 (2) 08:21	09:16 (3) 09:00 09:48 (3)
	21:56	20:52	19:33	18:19 (1) 18:18	39 17:21 (2) 16:19	32 09:48 (3) 16:06 09:48 (3)
24	05:26	06:23	07:21	16:56 (2) 08:20	16:43 (2) 08:23	09:16 (3) 09:00 09:48 (3)
	21:54	20:49	19:30	18:20 (1) 18:16	36 17:19 (2) 16:18	32 09:48 (3) 16:06 09:48 (3)
25	05:27	06:25	07:23	16:53 (2) 07:22	15:45 (2) 08:25	09:17 (3) 09:00 09:48 (3)
	21:52	20:47	19:28	18:21 (1) 17:13	31 16:16 (2) 16:16	31 09:48 (3) 16:07 09:48 (3)
26	05:29	06:26	07:25	16:51 (2) 07:24	15:47 (2) 08:27	09:17 (3) 09:01 09:48 (3)
	21:51	20:44	19:25	18:22 (1) 17:11	27 16:14 (2) 16:15	31 09:48 (3) 16:08 09:48 (3)
27	05:31	06:28	07:27	16:48 (2) 07:26	15:51 (2) 08:28	09:18 (3) 09:01 09:48 (3)
	21:49	20:42	19:22	18:22 (1) 17:09	21 16:12 (2) 16:14	30 09:48 (3) 16:09 09:48 (3)
28	05:33	06:30	07:29	16:46 (2) 07:28	15:55 (2) 08:30	09:19 (3) 09:01 09:44 (3)
	21:47	20:39	19:20	18:22 (1) 17:07	12 16:07 (2) 16:13	29 09:48 (3) 16:10 5 09:49 (3)
29	05:34	06:32	07:31	16:44 (2) 07:31	08:32	09:20 (3) 09:01 09:43 (3)
	21:45	20:37	19:17	18:22 (1) 17:04	16:12	28 09:48 (3) 16:10 8 09:51 (3)
30	05:36	06:34	07:33	16:43 (2) 07:33	08:34	09:21 (3) 09:01 09:42 (3)
	21:44	20:34	19:15	18:22 (1) 17:02	16:11	27 09:48 (3) 16:11 9 09:51 (3)
31	05:38	06:36	07:35	07:35	09:01	09:42 (3)
	21:42	20:32	17:00	16:12	11 16:12 09:53 (3)	
Potential sun hours	521	465	383	326	253	224
Total, worst case			595	1848	734	295
Sun reduction			0,40	0,31	0,16	0,14
Oper. time red.			1,00	1,00	1,00	1,00
Wind dir. red.			0,89	0,87	0,64	0,64
Total reduction			0,34	0,26	0,10	0,08
Total, real			203	479	72	25

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours [KLAIPĖDA])

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	09:57 (3)	08:28	07:27	07:55 (5)	07:08	05:55
16:14	32 10:29 (3)	17:08	18:07	92 17:35 (1)	20:10	21:09
2 09:01	09:57 (3)	08:26	07:24	07:56 (5)	07:05	05:53
16:15	31 10:28 (3)	17:10	18:09	93 17:37 (1)	20:12	21:11
3 09:01	09:57 (3)	08:24	07:22	07:55 (5)	07:03	05:51
16:16	33 10:30 (3)	17:12	18:12	95 17:37 (1)	20:14	21:13
4 09:00	09:57 (3)	08:22	07:19	07:57 (5)	07:00	05:48
16:18	33 10:30 (3)	17:15	18:14	92 17:38 (1)	20:16	21:15
5 09:00	09:58 (3)	08:20	07:17	07:57 (5)	06:58	05:46
16:19	33 10:31 (3)	17:17	18:16	90 17:38 (1)	20:18	21:17
6 08:59	09:58 (3)	08:18	07:14	07:59 (5)	06:55	05:44
16:20	33 10:31 (3)	17:19	18:18	85 17:38 (1)	20:20	21:18
7 08:59	09:58 (3)	08:16	07:12	08:02 (5)	06:53	05:42
16:22	33 10:31 (3)	17:21	18:20	76 17:38 (1)	20:21	21:20
8 08:58	09:58 (3)	08:14	07:09	16:11 (2)	06:50	05:40
16:23	34 10:32 (3)	17:23	18:22	70 17:37 (1)	20:23	21:22
9 08:58	09:59 (3)	08:12	07:07	16:13 (2)	06:48	05:38
16:25	33 10:32 (3)	17:25	18:24	67 17:37 (1)	20:25	21:24
10 08:57	10:00 (3)	08:10	07:04	16:14 (2)	06:45	05:36
16:26	34 10:34 (3)	17:27	18:26	63 17:36 (1)	20:27	21:26
11 08:56	09:59 (3)	08:08	07:02	16:17 (2)	06:43	05:34
16:28	34 10:33 (3)	17:29	14 16:40 (2)	18:28	57 17:36 (1)	20:29
12 08:55	10:00 (3)	08:06	16:22 (2)	06:59	16:18 (2)	06:40
16:29	34 10:34 (3)	17:32	21 16:43 (2)	18:30	52 17:35 (1)	20:31
13 08:54	10:00 (3)	08:04	16:20 (2)	06:57	16:21 (2)	06:38
16:31	34 10:34 (3)	17:34	26 16:46 (2)	18:32	43 17:33 (1)	20:33
14 08:53	10:01 (3)	08:02	16:19 (2)	06:54	17:09 (1)	06:35
16:33	34 10:35 (3)	17:36	29 16:48 (2)	18:34	24 17:33 (1)	20:35
15 08:52	10:02 (3)	07:59	16:16 (2)	06:52	17:10 (1)	06:33
16:35	33 10:35 (3)	17:38	33 16:49 (2)	18:36	20 17:30 (1)	20:37
16 08:51	10:02 (3)	07:57	16:15 (2)	06:49	17:12 (1)	06:30
16:36	33 10:35 (3)	17:40	36 16:51 (2)	18:38	17 17:29 (1)	20:39
17 08:50	10:03 (3)	07:55	16:14 (2)	06:47	17:15 (1)	06:28
16:38	32 10:35 (3)	17:42	39 16:53 (2)	18:40	9 17:24 (1)	20:41
18 08:49	10:04 (3)	07:53	16:13 (2)	06:44	06:25	05:21
16:40	32 10:36 (3)	17:44	40 16:53 (2)	18:42	20:43	21:41
19 08:48	10:04 (3)	07:50	16:12 (2)	06:41	06:23	05:20
16:42	31 10:35 (3)	17:46	42 16:54 (2)	18:44	20:45	21:42
20 08:47	10:05 (3)	07:48	16:12 (2)	06:39	06:20	05:18
16:44	31 10:36 (3)	17:49	43 16:55 (2)	18:46	20:47	21:44
21 08:45	10:05 (3)	07:46	16:10 (2)	06:36	06:18	05:16
16:46	30 10:35 (3)	17:51	45 16:55 (2)	18:48	20:49	21:46
22 08:44	10:06 (3)	07:44	16:10 (2)	06:34	06:16	05:15
16:48	28 10:34 (3)	17:53	46 16:56 (2)	18:50	20:51	21:47
23 08:42	10:07 (3)	07:41	08:07 (5)	06:31	06:13	05:13
16:50	28 10:35 (3)	17:55	52 16:56 (2)	18:52	20:53	21:49
24 08:41	10:08 (3)	07:39	08:05 (5)	06:29	06:11	05:12
16:52	26 10:34 (3)	17:57	57 16:57 (2)	18:54	20:55	21:51
25 08:39	10:09 (3)	07:36	08:02 (5)	06:26	06:09	05:10
16:54	24 10:33 (3)	17:59	60 16:56 (2)	18:56	20:57	21:52
26 08:38	10:11 (3)	07:34	08:00 (5)	06:23	06:06	05:09
16:56	22 10:33 (3)	18:01	76 17:30 (1)	18:58	20:59	21:54
27 08:36	10:12 (3)	07:32	07:57 (5)	06:21	06:04	05:08
16:58	19 10:31 (3)	18:03	84 17:32 (1)	19:00	21:01	21:55
28 08:35	10:14 (3)	07:29	07:56 (5)	06:18	06:02	05:06
17:00	15 10:29 (3)	18:05	89 17:34 (1)	19:02	21:03	21:57
29 08:33	10:17 (3)		07:16	07:16	05:59	05:05
17:02	10 10:27 (3)		20:04	20:04	21:05	21:58
30 08:31			07:13	07:13	05:57	05:04
17:04			20:06	20:06	21:07	22:00
31 08:30			07:11	07:11	05:03	
17:06			20:08	20:08	22:01	
Potential sun hours	242	269	366		423	520
Total, worst case	859	832	1045			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,56	0,85	0,89			
Total reduction	0,09	0,20	0,29			
Total, real	81	164	299			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėlių sen.: Kavolių, Stremenių, Kūgelė, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours [KLAIPĖDA])

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December				
1	04:57	05:40	06:38	07:35	16:59 (2)	07:37	08:35	09:41 (3)		
	22:18	21:40	20:29	19:12	49 18:14 (1)	16:58	16:10	34 10:15 (3)		
2	04:58	05:41	06:40	07:37	16:56 (2)	07:39	08:37	09:42 (3)		
	22:18	21:38	20:27	19:10	55 18:14 (1)	16:56	16:09	34 10:16 (3)		
3	04:58	05:43	06:42	07:39	16:53 (2)	07:41	08:38	09:43 (3)		
	22:17	21:36	20:24	19:07	61 18:14 (1)	16:54	16:08	33 10:16 (3)		
4	04:59	05:45	06:44	07:41	16:51 (2)	07:43	08:40	09:44 (3)		
	22:17	21:34	20:22	19:04	65 18:14 (1)	16:52	16:08	33 10:17 (3)		
5	05:00	05:47	06:45	07:42	16:49 (2)	07:45	08:41	09:43 (3)		
	22:16	21:32	20:19	19:02	68 18:14 (1)	16:50	16:07	34 10:17 (3)		
6	05:01	05:49	06:47	07:44	16:48 (2)	07:47	08:43	09:44 (3)		
	22:15	21:30	20:17	18:59	71 18:14 (1)	16:48	16:06	33 10:17 (3)		
7	05:02	05:51	06:49	07:46	08:36 (5)	07:49	08:44	09:44 (3)		
	22:15	21:28	20:14	18:57	82 18:14 (1)	16:46	16:06	33 10:17 (3)		
8	05:03	05:52	06:51	07:48	08:33 (5)	07:51	08:46	09:45 (3)		
	22:14	21:26	20:12	18:54	87 18:13 (1)	16:44	16:05	33 10:18 (3)		
9	05:04	05:54	06:53	07:50	08:31 (5)	07:53	08:47	09:45 (3)		
	22:13	21:24	20:09	18:52	91 18:12 (1)	16:42	16:05	33 10:18 (3)		
10	05:06	05:56	06:55	07:52	08:30 (5)	07:55	08:48	09:47 (3)		
	22:12	21:22	20:07	18:49	94 18:12 (1)	16:40	16:04	32 10:19 (3)		
11	05:07	05:58	06:57	07:54	08:29 (5)	07:57	08:50	09:47 (3)		
	22:11	21:19	20:04	18:47	95 18:11 (1)	16:38	16:04	32 10:19 (3)		
12	05:08	06:00	06:59	07:56	08:29 (5)	07:59	08:51	09:47 (3)		
	22:10	21:17	20:01	18:44	94 18:09 (1)	16:36	16:04	32 10:19 (3)		
13	05:09	06:02	07:01	07:58	08:28 (5)	08:01	09:49 (3)	08:52	09:48 (3)	
	22:09	21:15	19:59	18:42	92 18:08 (1)	16:34	10 09:59 (3)	16:04	31 10:19 (3)	
14	05:11	06:04	07:02	08:00	08:28 (5)	08:03	09:46 (3)	08:53	09:48 (3)	
	22:08	21:13	19:56	18:39	88 18:06 (1)	16:33	15 10:01 (3)	16:04	31 10:19 (3)	
15	05:12	06:06	07:04	08:02	08:31 (5)	08:05	09:44 (3)	08:54	09:49 (3)	
	22:07	21:10	19:54	18:37	81 18:04 (1)	16:31	19 10:03 (3)	16:04	30 10:19 (3)	
16	05:13	06:07	07:06	08:04	08:33 (5)	08:07	09:44 (3)	08:55	09:49 (3)	
	22:06	21:08	19:51	18:35	72 18:01 (1)	16:29	22 10:06 (3)	16:04	31 10:20 (3)	
17	05:15	06:09	07:08	08:06	08:35 (5)	08:09	09:43 (3)	08:56	09:50 (3)	
	22:04	21:06	19:48	18:32	58 17:28 (2)	16:28	24 10:07 (3)	16:04	30 10:20 (3)	
18	05:16	06:11	07:10	08:08	08:37 (5)	08:11	09:42 (3)	08:56	09:51 (3)	
	22:03	21:04	19:46	18:30	55 17:28 (2)	16:26	26 10:08 (3)	16:04	30 10:21 (3)	
19	05:18	06:13	07:12	08:10	08:39 (5)	08:13	09:41 (3)	08:57	09:52 (3)	
	22:02	21:01	19:43	18:27	49 17:27 (2)	16:25	28 10:09 (3)	16:04	30 10:22 (3)	
20	05:19	06:15	07:14	08:12	16:41 (2)	08:15	09:41 (3)	08:58	09:51 (3)	
	22:00	20:59	19:41	18:25	45 17:26 (2)	16:23	28 10:09 (3)	16:05	30 10:21 (3)	
21	05:21	06:17	07:16	08:14	16:41 (2)	08:17	09:41 (3)	08:59	09:52 (3)	
	21:59	20:56	19:38	18:23	44 17:25 (2)	16:22	30 10:11 (3)	16:05	30 10:22 (3)	
22	05:23	06:19	07:18	08:16	16:42 (2)	08:19	09:41 (3)	08:59	09:52 (3)	
	21:57	20:54	19:35	18:20	43 17:25 (2)	16:20	31 10:12 (3)	16:05	30 10:22 (3)	
23	05:24	06:21	07:19	08:18	16:43 (2)	08:21	09:41 (3)	09:00	09:53 (3)	
	21:56	20:52	19:33	18:18	41 17:24 (2)	16:19	31 10:12 (3)	16:06	30 10:23 (3)	
24	05:26	06:23	07:21	08:20	16:43 (2)	08:23	09:41 (3)	09:00	09:53 (3)	
	21:54	20:49	19:30	18:16	40 17:23 (2)	16:18	32 10:13 (3)	16:06	31 10:24 (3)	
25	05:27	06:25	07:23	07:22	15:44 (2)	08:25	09:41 (3)	09:00	09:54 (3)	
	21:52	20:47	19:28	17:13	38 16:22 (2)	16:16	32 10:13 (3)	16:07	30 10:24 (3)	
26	05:29	06:26	07:25	18:00 (1)	07:24	15:45 (2)	08:27	09:41 (3)	09:01	09:55 (3)
	21:51	20:44	19:25	5 18:05 (1)	17:11	35 16:20 (2)	16:15	33 10:14 (3)	16:08	30 10:25 (3)
27	05:31	06:28	07:27	17:54 (1)	07:26	15:47 (2)	08:28	09:41 (3)	09:01	09:55 (3)
	21:49	20:42	19:22	14 18:08 (1)	17:09	32 16:19 (2)	16:14	33 10:14 (3)	16:09	31 10:26 (3)
28	05:33	06:30	07:29	17:51 (1)	07:28	15:48 (2)	08:30	09:41 (3)	09:01	09:56 (3)
	21:47	20:39	19:20	20 18:11 (1)	17:07	29 16:17 (2)	16:13	34 10:15 (3)	16:10	30 10:26 (3)
29	05:34	06:32	07:31	17:49 (1)	07:31	15:50 (2)	08:32	09:42 (3)	09:01	09:56 (3)
	21:45	20:37	19:17	23 18:12 (1)	17:04	25 16:15 (2)	16:12	33 10:15 (3)	16:10	31 10:27 (3)
30	05:36	06:34	07:33	17:03 (2)	07:33	15:52 (2)	08:34	09:42 (3)	09:01	09:55 (3)
	21:44	20:34	19:15	39 18:13 (1)	17:02	20 16:12 (2)	16:11	34 10:16 (3)	16:11	32 10:27 (3)
31	05:38	06:36		07:35	15:56 (2)		09:01			09:56 (3)
	21:42	20:32		17:00	12 16:08 (2)		16:12	31	10:27 (3)	
Potential sun hours	521	465	383	326	253	224				
Total, worst case				1811				975		
Sun reduction			101	0,31			0,16		0,14	
Oper. time red.			1,00	1,00			1,00		1,00	
Wind dir. red.			0,92	0,87			0,56		0,56	
Total reduction			0,34	0,25			0,08		0,07	
Total, real			35	456			41		69	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: N - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: O - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 2 rows of sunshine probability values.

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for time intervals (09:01-17:06) and summary statistics.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set, Minutes with flicker, and WTG causing flicker times.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: P - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	19:25 (3) 19:42 (3)	05:55 21:09
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:12	19:24 (3) 19:44 (3)	05:53 21:11
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	19:22 (3) 19:46 (3)	05:51 21:13
4	09:00 16:17	08:22 17:14	07:19 18:14	07:00 20:15	19:22 (3) 19:46 (3)	05:48 21:14
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	19:21 (3) 19:46 (3)	05:46 21:16
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	19:21 (3) 19:46 (3)	05:44 21:18
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	19:20 (3) 19:45 (3)	05:42 21:20
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	19:21 (3) 19:45 (3)	05:40 21:22
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	19:20 (3) 19:44 (3)	05:38 21:24
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	19:21 (3) 19:44 (3)	05:36 21:26
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	19:21 (3) 19:42 (3)	05:34 21:28
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	19:23 (3) 19:41 (3)	05:32 21:30
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	19:24 (3) 19:38 (3)	05:30 21:32
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	19:26 (3) 19:36 (3)	05:28 21:33
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	05:27 21:35
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	05:25 21:37
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	05:23 21:39	05:23 21:39
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:41	05:21 21:41
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:20 21:42	05:20 21:42
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	05:18 21:44
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:16 21:46	05:16 21:46
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	05:15 21:47
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	05:13 21:49
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	05:12 21:51	05:12 21:51
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	05:10 21:52	05:10 21:52
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	05:09 21:54
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	05:08 21:55
28	08:35 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 07:03 (4)	05:06 21:57
29	08:33 17:02	07:27 18:04	06:16 19:04	05:59 21:05	05:05 06:58 (4)	05:05 21:58
30	08:31 17:04	07:25 18:06	06:13 19:06	05:57 19:29 (3) 19:38 (3)	05:04 06:54 (4)	05:04 21:58
31	08:29 17:06	07:23 18:08	06:11 19:08	05:55 19:27 (3) 19:40 (3)	05:04 06:54 (4)	05:04 22:00
Potential sun hours	242	269	366	423	501	520
Total, worst case			22	353	1779	1927
Sun reduction			0,34	0,39	0,52	0,48
Oper. time red.			1,00	1,00	1,00	1,00
Wind dir. red.			1,00	0,99	0,95	0,95
Total reduction			0,34	0,39	0,49	0,46
Total, real			8	138	876	887

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 Shadow receptor: P - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December			
1	04:57	06:41 (4)	05:40	06:49 (4)	06:38	19:20 (3)	07:35	07:37	08:35
	22:18	65 07:46 (4)	21:40	57 07:46 (4)	20:29	21 19:41 (3)	19:12	16:58	16:10
2	04:57	06:42 (4)	05:41	06:49 (4)	06:40	19:19 (3)	07:37	07:39	08:37
	22:18	64 07:46 (4)	21:38	56 07:45 (4)	20:27	23 19:42 (3)	19:09	16:56	16:09
3	04:58	06:42 (4)	05:43	06:50 (4)	06:42	19:18 (3)	07:38	07:41	08:38
	22:17	65 07:47 (4)	21:36	54 07:44 (4)	20:24	24 19:42 (3)	19:07	16:54	16:08
4	04:59	06:41 (4)	05:45	06:51 (4)	06:43	19:18 (3)	07:40	07:43	08:40
	22:17	65 07:46 (4)	21:34	53 07:44 (4)	20:22	24 19:42 (3)	19:04	16:51	16:07
5	05:00	06:42 (4)	05:47	06:52 (4)	06:45	19:17 (3)	07:42	07:45	08:41
	22:16	64 07:46 (4)	21:32	51 07:43 (4)	20:19	25 19:42 (3)	19:02	16:49	16:07
6	05:01	06:42 (4)	05:49	06:52 (4)	06:47	19:16 (3)	07:44	07:47	08:43
	22:15	65 07:47 (4)	21:30	49 07:41 (4)	20:17	25 19:41 (3)	18:59	16:47	16:06
7	05:02	06:42 (4)	05:51	06:53 (4)	06:49	19:16 (3)	07:46	07:49	08:44
	22:15	65 07:47 (4)	21:28	47 07:40 (4)	20:14	25 19:41 (3)	18:57	16:45	16:06
8	05:03	06:42 (4)	05:52	06:55 (4)	06:51	19:16 (3)	07:48	07:51	08:46
	22:14	65 07:47 (4)	21:26	44 07:39 (4)	20:12	25 19:41 (3)	18:54	16:43	16:05
9	05:04	06:42 (4)	05:54	06:55 (4)	06:53	19:17 (3)	07:50	07:53	08:47
	22:13	65 07:47 (4)	21:24	42 07:37 (4)	20:09	23 19:40 (3)	18:52	16:42	16:05
10	05:06	06:42 (4)	05:56	06:57 (4)	06:55	19:17 (3)	07:52	07:55	08:48
	22:12	66 07:48 (4)	21:21	39 07:36 (4)	20:06	21 19:38 (3)	18:49	16:40	16:04
11	05:07	06:43 (4)	05:58	06:59 (4)	06:57	19:17 (3)	07:54	07:57	08:49
	22:11	66 07:49 (4)	21:19	35 07:34 (4)	20:04	17 19:34 (3)	18:47	16:38	16:04
12	05:08	06:43 (4)	06:00	07:01 (4)	06:59	19:18 (3)	07:56	07:59	08:51
	22:10	66 07:49 (4)	21:17	31 07:32 (4)	20:01	14 19:32 (3)	18:44	16:36	16:04
13	05:09	06:43 (4)	06:02	07:03 (4)	07:00	19:20 (3)	07:58	08:01	08:52
	22:09	66 07:49 (4)	21:15	26 07:29 (4)	19:59	9 19:29 (3)	18:42	16:34	16:04
14	05:11	06:43 (4)	06:04	07:06 (4)	07:02	19:24 (3)	08:00	08:03	08:53
	22:08	66 07:49 (4)	21:13	19 07:25 (4)	19:56	3 19:27 (3)	18:39	16:33	16:04
15	05:12	06:43 (4)	06:06	07:13 (4)	07:04		08:02	08:05	08:54
	22:07	66 07:49 (4)	21:10	5 07:18 (4)	19:53		18:37	16:31	16:04
16	05:13	06:44 (4)	06:07		07:06		08:04	08:07	08:55
	22:05	65 07:49 (4)	21:08		19:51		18:34	16:29	16:04
17	05:15	06:44 (4)	06:09		07:08		08:06	08:09	08:55
	22:04	65 07:49 (4)	21:06		19:48		18:32	16:28	16:04
18	05:16	06:43 (4)	06:11		07:10		08:08	08:11	08:56
	22:03	66 07:49 (4)	21:03		19:46		18:30	16:26	16:04
19	05:18	06:44 (4)	06:13		07:12		08:10	08:13	08:57
	22:01	65 07:49 (4)	21:01		19:43		18:27	16:24	16:04
20	05:19	06:44 (4)	06:15		07:14		08:12	08:15	08:58
	22:00	65 07:49 (4)	20:59		19:41		18:25	16:23	16:04
21	05:21	06:45 (4)	06:17		07:15		08:14	08:17	08:58
	21:59	65 07:50 (4)	20:56		19:38		18:22	16:22	16:05
22	05:22	06:45 (4)	06:19		07:17		08:16	08:19	08:59
	21:57	64 07:49 (4)	20:54		19:35		18:20	16:20	16:05
23	05:24	06:45 (4)	06:21		07:19		08:18	08:21	08:59
	21:56	64 07:49 (4)	20:52		19:33		18:18	16:19	16:06
24	05:26	06:45 (4)	06:23		07:21		08:20	08:23	09:00
	21:54	64 07:49 (4)	20:49		19:30		18:15	16:17	16:06
25	05:27	06:46 (4)	06:24		07:23		07:22	08:25	09:00
	21:52	63 07:49 (4)	20:47		19:28		17:13	16:16	16:07
26	05:29	06:46 (4)	06:26		07:25		07:24	08:26	09:00
	21:51	62 07:48 (4)	20:44		19:25		17:11	16:15	16:08
27	05:31	06:47 (4)	06:28		07:27		07:26	08:28	09:01
	21:49	61 07:48 (4)	20:42		19:22		17:09	16:14	16:09
28	05:33	06:46 (4)	06:30		07:29		07:28	08:30	09:01
	21:47	62 07:48 (4)	20:39		19:20		17:06	16:13	16:09
29	05:34	06:47 (4)	06:32		19:27 (3)	07:31	07:30	08:32	09:01
	21:45	61 07:48 (4)	20:37	10	19:37 (3)	19:17	17:04	16:12	16:10
30	05:36	06:48 (4)	06:34		19:24 (3)	07:33	07:32	08:33	09:01
	21:44	59 07:47 (4)	20:34	15	19:39 (3)	19:15	17:02	16:11	16:11
31	05:38	06:48 (4)	06:36		19:23 (3)		07:35		09:01
	21:42	58 07:46 (4)	20:32	18	19:41 (3)		17:00		16:12
Potential sun hours	521		465		383		326	253	224
Total, worst case	1988		651		279				
Sun reduction	0,49		0,51		0,40				
Oper. time red.	1,00		1,00		1,00				
Wind dir. red.	0,95		0,96		1,00				
Total reduction	0,46		0,49		0,40				
Total, real	920		321		110				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėlių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: Q - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June		
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	05:55 21:09	05:02 22:02	05:59 (4) 38 06:37 (4)	
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:12	05:53 21:11	05:01 22:04	05:58 (4) 39 06:37 (4)	
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:51 21:13	05:00 22:05	05:58 (4) 41 06:39 (4)	
4	09:00 16:17	08:22 17:14	07:19 18:14	07:00 20:15	05:48 21:14	04:59 22:06	05:58 (4) 41 06:39 (4)	
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	05:46 21:16	04:58 22:07	05:57 (4) 43 06:40 (4)	
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	05:44 21:18	04:57 22:08	05:57 (4) 43 06:40 (4)	
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	04:56 22:10	05:57 (4) 44 06:41 (4)	
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:11	05:56 (4) 45 06:41 (4)	
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	19:50 (3) 19:57 (3)	05:38 21:24	04:55 22:12	05:57 (4) 45 06:42 (4)
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	19:48 (3) 19:59 (3)	05:36 21:26	04:54 22:12	05:56 (4) 46 06:42 (4)
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	19:45 (3) 20:01 (3)	05:34 21:28	04:54 22:13	05:56 (4) 47 06:43 (4)
12	08:55 16:29	08:06 17:32	06:59 18:30	06:40 20:31	19:44 (3) 20:03 (3)	05:32 21:30	04:53 22:14	05:57 (4) 47 06:44 (4)
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	19:42 (3) 20:04 (3)	05:30 21:32	04:53 22:15	05:56 (4) 47 06:43 (4)
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	19:42 (3) 20:06 (3)	05:28 21:33	04:53 22:16	05:56 (4) 48 06:44 (4)
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	19:41 (3) 20:06 (3)	05:27 21:35	04:52 22:16	05:56 (4) 48 06:44 (4)
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	19:40 (3) 20:06 (3)	05:25 21:37	04:52 22:17	05:57 (4) 48 06:45 (4)
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	19:40 (3) 20:06 (3)	05:23 21:39	04:52 22:17	05:57 (4) 48 06:45 (4)
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	19:39 (3) 20:05 (3)	05:21 21:41	04:52 22:18	05:57 (4) 48 06:45 (4)
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	19:40 (3) 20:05 (3)	05:20 21:42	04:52 22:18	05:57 (4) 49 06:46 (4)
20	08:46 16:44	07:48 17:49	06:39 18:46	06:20 20:47	19:40 (3) 20:05 (3)	05:18 21:44	04:52 22:19	05:57 (4) 49 06:46 (4)
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	19:40 (3) 20:03 (3)	05:16 21:46	04:52 22:19	05:57 (4) 49 06:46 (4)
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	19:41 (3) 20:03 (3)	05:15 21:47	04:52 22:19	05:58 (4) 49 06:47 (4)
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	19:42 (3) 20:02 (3)	05:13 21:49	04:53 22:19	05:58 (4) 49 06:47 (4)
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	19:43 (3) 20:01 (3)	05:12 21:51	04:53 22:19	05:58 (4) 48 06:46 (4)
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	19:44 (3) 19:58 (3)	05:10 21:52	04:53 22:19	05:59 (4) 48 06:47 (4)
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	19:46 (3) 19:55 (3)	05:09 21:54	04:54 22:19	05:59 (4) 48 06:47 (4)
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	04:58 22:00	04:54 22:19	05:59 (4) 49 06:48 (4)
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	04:56 22:00	04:55 22:19	05:59 (4) 48 06:47 (4)
29	08:33 17:02	07:16 18:04	05:59 21:05	05:59 21:05	05:05 21:58	04:55 22:00	04:55 22:19	06:00 (4) 48 06:48 (4)
30	08:31 17:04	07:13 18:06	05:57 21:07	05:57 21:07	05:04 22:00	04:54 22:00	04:56 22:18	06:00 (4) 47 06:47 (4)
31	08:29 17:06	07:10 18:08	05:55 21:09	05:55 21:09	05:03 22:01	04:53 22:01	04:56 22:18	06:00 (4) 37 06:36 (4)
Potential sun hours	242	269	366	423	501	520	1387	
Total, worst case				358	243		0,48	
Sun reduction				0,39	0,52		1,00	
Oper. time red.				1,00	1,00		0,86	
Wind dir. red.				0,99	0,86		0,42	
Total reduction				0,39	0,45		579	
Total, real				139	109			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: Q - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	06:01 (4)	05:40	06:38	19:44 (3)	07:35
	22:18	46 06:47 (4)	21:40	20:29	16 20:00 (3)	19:12
2	04:58	06:01 (4)	05:41	06:40	19:46 (3)	07:37
	22:18	46 06:47 (4)	21:38	20:27	11 19:57 (3)	19:09
3	04:58	06:02 (4)	05:43	06:42	19:48 (3)	07:38
	22:17	46 06:48 (4)	21:36	20:24	7 19:55 (3)	19:07
4	04:59	06:02 (4)	05:45	06:43	07:40	16:54
	22:17	45 06:47 (4)	21:34	20:22	19:07	16:08
5	05:00	06:02 (4)	05:47	06:45	19:04	16:16
	22:16	45 06:47 (4)	21:32	20:19	07:42	16:07
6	05:01	06:03 (4)	05:49	06:47	19:02	16:49
	22:15	43 06:46 (4)	21:30	20:17	07:44	16:47
7	05:02	06:03 (4)	05:51	06:49	18:59	16:47
	22:15	43 06:46 (4)	21:28	20:14	07:46	16:45
8	05:03	06:04 (4)	05:52	06:51	18:57	16:45
	22:14	42 06:46 (4)	21:26	20:12	07:48	16:45
9	05:04	06:05 (4)	05:54	06:53	18:44	16:44
	22:13	41 06:46 (4)	21:24	20:09	18:54	16:44
10	05:06	06:05 (4)	05:56	06:55	18:52	16:42
	22:12	40 06:45 (4)	21:21	20:06	18:52	16:42
11	05:07	06:07 (4)	05:58	06:57	18:49	16:40
	22:11	39 06:46 (4)	21:19	20:04	18:49	16:40
12	05:08	06:08 (4)	06:00	06:59	18:47	16:38
	22:10	37 06:45 (4)	21:17	20:01	18:47	16:38
13	05:09	06:08 (4)	06:02	07:00	18:44	16:36
	22:09	36 06:44 (4)	21:15	19:59	18:44	16:36
14	05:11	06:09 (4)	06:04	07:02	18:44	16:36
	22:08	34 06:43 (4)	21:13	19:56	18:42	16:34
15	05:12	06:10 (4)	06:06	07:04	18:42	16:34
	22:07	32 06:42 (4)	21:10	19:53	18:42	16:34
16	05:13	06:12 (4)	06:07	07:06	18:37	16:31
	22:05	30 06:42 (4)	21:08	19:51	18:37	16:31
17	05:15	06:13 (4)	06:09	19:52 (3)	18:34	16:29
	22:04	27 06:40 (4)	21:06	20:03 (3)	18:34	16:29
18	05:16	06:14 (4)	06:11	19:50 (3)	18:32	16:28
	22:03	24 06:38 (4)	21:03	19:50 (3)	18:32	16:28
19	05:18	06:17 (4)	06:13	19:48 (3)	18:30	16:26
	22:01	20 06:37 (4)	21:01	19:48 (3)	18:30	16:26
20	05:19	06:19 (4)	06:15	19:47 (3)	18:27	16:24
	22:00	16 06:35 (4)	20:59	19:47 (3)	18:27	16:24
21	05:21	06:23 (4)	06:17	19:46 (3)	18:25	16:22
	21:59	8 06:31 (4)	20:56	19:46 (3)	18:25	16:22
22	05:22	06:24 (4)	06:19	19:44 (3)	18:22	16:22
	21:57	06:25 (4)	20:54	19:44 (3)	18:22	16:22
23	05:24	06:26 (4)	06:21	19:43 (3)	18:20	16:20
	21:55	06:27 (4)	20:52	19:43 (3)	18:20	16:20
24	05:26	06:28 (4)	06:23	19:43 (3)	18:18	16:19
	21:54	06:29 (4)	20:49	19:43 (3)	18:18	16:19
25	05:27	06:30 (4)	06:24	19:43 (3)	18:16	16:18
	21:52	06:31 (4)	20:47	19:43 (3)	18:16	16:18
26	05:29	06:32 (4)	06:26	19:43 (3)	18:15	16:17
	21:51	06:33 (4)	20:44	19:43 (3)	18:15	16:17
27	05:31	06:34 (4)	06:28	19:42 (3)	18:14	16:16
	21:49	06:35 (4)	20:42	19:42 (3)	18:14	16:16
28	05:33	06:35 (4)	06:30	19:42 (3)	18:13	16:15
	21:47	06:36 (4)	20:39	19:42 (3)	18:13	16:15
29	05:34	06:37 (4)	06:32	19:43 (3)	18:12	16:14
	21:45	06:38 (4)	20:37	19:43 (3)	18:12	16:14
30	05:36	06:38 (4)	06:34	19:43 (3)	18:11	16:13
	21:44	06:39 (4)	20:34	19:43 (3)	18:11	16:13
31	05:38	06:40 (4)	06:36	19:44 (3)	18:10	16:12
	21:42	06:41 (4)	20:32	19:44 (3)	18:10	16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case	740	330	34			
Sun reduction	0,49	0,51	0,40			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,86	0,99	0,99			
Total reduction	0,42	0,51	0,39			
Total, real	311	168	13			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: R - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June	
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	05:55 21:09	05:02 22:02	06:11 (4) 07:04 (4)
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:11	19:42 (3) 05:53 19:44 (3) 21:11	05:01 22:04	06:11 (4) 07:05 (4)
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	19:37 (3) 05:51 19:46 (3) 21:13	05:00 22:05	06:11 (4) 07:06 (4)
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	19:35 (3) 05:48 19:48 (3) 21:14	04:59 22:06	06:11 (4) 07:07 (4)
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	19:33 (3) 05:46 19:49 (3) 21:16	04:58 22:07	06:10 (4) 07:07 (4)
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	19:32 (3) 05:44 19:52 (3) 21:18	04:57 22:08	06:10 (4) 07:07 (4)
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	19:31 (3) 05:42 19:53 (3) 21:20	04:56 22:10	06:10 (4) 07:08 (4)
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	19:31 (3) 05:40 19:54 (3) 21:22	04:56 22:11	06:09 (4) 07:08 (4)
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	19:30 (3) 05:38 19:54 (3) 21:24	04:55 22:12	06:10 (4) 07:09 (4)
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	19:30 (3) 05:36 19:54 (3) 21:26	04:54 22:12	06:09 (4) 07:09 (4)
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	19:29 (3) 05:34 19:53 (3) 21:28	04:54 22:13	06:10 (4) 07:10 (4)
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	19:30 (3) 05:32 19:53 (3) 21:30	04:53 22:14	06:10 (4) 07:10 (4)
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	19:29 (3) 05:30 19:52 (3) 21:32	04:53 22:15	06:09 (4) 07:10 (4)
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	19:30 (3) 05:28 19:51 (3) 21:33	04:53 22:16	06:09 (4) 07:11 (4)
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	19:31 (3) 05:27 19:50 (3) 21:35	04:52 22:16	06:10 (4) 07:11 (4)
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	19:32 (3) 05:25 19:48 (3) 21:37	04:52 22:17	06:10 (4) 07:11 (4)
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	19:34 (3) 05:23 19:46 (3) 21:39	04:52 22:17	06:10 (4) 07:12 (4)
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	19:37 (3) 05:21 19:41 (3) 21:41	06:29 (4) 04:52 22:18	06:10 (4) 07:12 (4)
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:20 21:42	06:26 (4) 04:52 06:49 (4) 22:18	06:10 (4) 07:12 (4)
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	06:23 (4) 04:52 06:50 (4) 22:19	06:10 (4) 07:12 (4)
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:16 21:46	06:21 (4) 04:52 06:53 (4) 22:19	06:10 (4) 07:12 (4)
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	06:19 (4) 04:52 06:54 (4) 22:19	06:11 (4) 07:13 (4)
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	06:18 (4) 04:53 06:56 (4) 22:19	06:11 (4) 07:13 (4)
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	05:12 21:51	06:17 (4) 04:53 06:57 (4) 22:19	06:11 (4) 07:13 (4)
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	05:10 21:52	06:15 (4) 04:53 06:58 (4) 22:19	06:12 (4) 07:14 (4)
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	06:15 (4) 04:54 06:59 (4) 22:19	06:12 (4) 07:14 (4)
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	06:14 (4) 04:54 07:00 (4) 22:19	06:13 (4) 07:14 (4)
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	06:13 (4) 04:55 07:01 (4) 22:19	06:13 (4) 07:14 (4)
29	08:33 17:02	07:27 20:04	06:16 21:05	05:59 21:05	05:05 21:58	06:13 (4) 04:55 07:02 (4) 22:19	06:13 (4) 07:14 (4)
30	08:31 17:04	07:25 20:06	06:14 21:07	05:57 21:07	05:04 22:00	06:12 (4) 04:56 07:03 (4) 22:18	06:13 (4) 07:14 (4)
31	08:29 17:06	07:23 20:08	06:12 21:09	05:55 21:09	05:03 22:01	06:12 (4) 07:04 (4)	07:14 (4)
Potential sun hours	242	269	366	423	501	520	
Total, worst case				295	544	1797	
Sun reduction				0,39	0,52	0,48	
Oper. time red.				1,00	1,00	1,00	
Wind dir. red.				1,00	0,89	0,89	
Total reduction				0,39	0,46	0,43	
Total, real				116	251	775	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: R - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December			
1	04:57	06:14 (4)	05:40	06:38	19:28 (3)	07:35	07:37	08:35	
	22:18	60 07:14 (4)	21:40	20:29	24 19:52 (3)	19:12	16:58	16:10	
2	04:57	06:14 (4)	05:41	06:40	19:28 (3)	07:37	07:39	08:37	
	22:18	60 07:14 (4)	21:38	20:27	24 19:52 (3)	19:09	16:56	16:09	
3	04:58	06:15 (4)	05:43	06:42	19:28 (3)	07:38	07:41	08:38	
	22:17	59 07:14 (4)	21:36	20:24	24 19:52 (3)	19:07	16:54	16:08	
4	04:59	06:15 (4)	05:45	06:43	19:28 (3)	07:40	07:43	08:40	
	22:17	58 07:13 (4)	21:34	20:22	23 19:51 (3)	19:04	16:51	16:07	
5	05:00	06:15 (4)	05:47	06:45	19:28 (3)	07:42	07:45	08:41	
	22:16	58 07:13 (4)	21:32	20:19	22 19:50 (3)	19:02	16:49	16:07	
6	05:01	06:16 (4)	05:49	06:47	19:28 (3)	07:44	07:47	08:43	
	22:15	57 07:13 (4)	21:30	20:17	19 19:47 (3)	18:59	16:47	16:06	
7	05:02	06:16 (4)	05:51	06:49	19:28 (3)	07:46	07:49	08:44	
	22:15	57 07:13 (4)	21:28	20:14	17 19:45 (3)	18:57	16:45	16:06	
8	05:03	06:17 (4)	05:52	06:51	19:29 (3)	07:48	07:51	08:46	
	22:14	56 07:13 (4)	21:26	20:12	13 19:42 (3)	18:54	16:43	16:05	
9	05:04	06:17 (4)	05:54	06:53	19:31 (3)	07:50	07:53	08:47	
	22:13	56 07:13 (4)	21:24	20:09	9 19:40 (3)	18:52	16:42	16:05	
10	05:06	06:18 (4)	05:56	06:55	19:34 (3)	07:52	07:55	08:48	
	22:12	54 07:12 (4)	21:21	20:06	4 19:38 (3)	18:49	16:40	16:04	
11	05:07	06:19 (4)	05:58	06:57		07:54	07:57	08:49	
	22:11	54 07:13 (4)	21:19	20:04		18:47	16:38	16:04	
12	05:08	06:20 (4)	06:00	06:59		07:56	07:59	08:51	
	22:10	52 07:12 (4)	21:17	20:01		18:44	16:36	16:04	
13	05:09	06:21 (4)	06:02	07:00		07:58	08:01	08:52	
	22:09	51 07:12 (4)	21:15	19:59		18:42	16:34	16:04	
14	05:11	06:21 (4)	06:04	07:02		08:00	08:03	08:53	
	22:08	50 07:11 (4)	21:13	19:56		18:39	16:33	16:04	
15	05:12	06:22 (4)	06:05	07:04		08:02	08:05	08:54	
	22:07	48 07:10 (4)	21:10	19:53		18:37	16:31	16:04	
16	05:13	06:23 (4)	06:07	07:06		08:04	08:07	08:55	
	22:05	47 07:10 (4)	21:08	19:51		18:34	16:29	16:04	
17	05:15	06:24 (4)	06:09	07:08		08:06	08:09	08:55	
	22:04	45 07:09 (4)	21:06	19:48		18:32	16:28	16:04	
18	05:16	06:25 (4)	06:11	07:10		08:08	08:11	08:56	
	22:03	43 07:08 (4)	21:03	19:46		18:30	16:26	16:04	
19	05:18	06:26 (4)	06:13	07:12		08:10	08:13	08:57	
	22:01	42 07:08 (4)	21:01	19:43		18:27	16:24	16:04	
20	05:19	06:27 (4)	06:15	07:14		08:12	08:15	08:58	
	22:00	39 07:06 (4)	20:59	19:41		18:25	16:23	16:04	
21	05:21	06:29 (4)	06:17	07:15		08:14	08:17	08:58	
	21:59	36 07:05 (4)	20:56	19:38		18:22	16:22	16:05	
22	05:22	06:30 (4)	06:19	07:17		08:16	08:19	08:59	
	21:57	34 07:04 (4)	20:54	19:35		18:20	16:20	16:05	
23	05:24	06:33 (4)	06:21	07:19		08:18	08:21	08:59	
	21:55	29 07:02 (4)	20:52	19:33		18:18	16:19	16:06	
24	05:26	06:34 (4)	06:23	07:21		08:20	08:23	09:00	
	21:54	26 07:00 (4)	20:49	19:30		18:15	16:17	16:06	
25	05:27	06:37 (4)	06:24	19:40 (3)	07:23	07:22	08:25	09:00	
	21:52	21 06:58 (4)	20:47	5 19:45 (3)	19:28	17:13	16:16	16:07	
26	05:29	06:41 (4)	06:26	19:37 (3)	07:25	07:24	08:26	09:00	
	21:51	12 06:53 (4)	20:44	12 19:49 (3)	19:25	17:11	16:15	16:08	
27	05:31		06:28	19:34 (3)	07:27	07:26	08:28	09:01	
	21:49		20:42	16 19:50 (3)	19:22	17:09	16:14	16:09	
28	05:33		06:30	19:32 (3)	07:29	07:28	08:30	09:01	
	21:47		20:39	19 19:51 (3)	19:20	17:06	16:13	16:09	
29	05:34		06:32	19:31 (3)	07:31	07:30	08:32	09:01	
	21:45		20:37	21 19:52 (3)	19:17	17:04	16:12	16:10	
30	05:36		06:34	19:30 (3)	07:33	07:32	08:33	09:01	
	21:44		20:34	22 19:52 (3)	19:15	17:02	16:11	16:11	
31	05:38		06:36	19:29 (3)		07:35		09:01	
	21:42		20:32	24 19:53 (3)		17:00		16:12	
Potential sun hours	521		465		383		326	253	224
Total, worst case	1204		119		179				
Sun reduction	0,49		0,51		0,40				
Oper. time red.	1,00		1,00		1,00				
Wind dir. red.	0,89		1,00		1,00				
Total reduction	0,43		0,51		0,39				
Total, real	523		61		71				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 Shadow receptor: S - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (months) and multiple rows showing hourly sun rise/set times, potential sun hours, and various reductions (Sun, Oper. time, Wind dir., Total) for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: T - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 2 rows of values for sunshine probability S.

Operational time table with 3 columns (0, 1, Sum) and 2 rows of values.

Main shadow calculation table with columns for months (January-December) and rows for time intervals (09:01-17:06) and summary rows (Potential sun hours, Total, worst case, etc.).

Table layout: For each day in each month the following matrix apply

Matrix layout table with 4 columns: Day in month, Sun rise/set, Minutes with flicker, and Last time with flicker.

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: U - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 31 rows of daily data. Each row contains time intervals and numerical values for each month. Summary rows at the bottom show totals for potential sun hours, sun reduction, operational time reduction, wind direction reduction, total reduction, and real total.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: V - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set times, Minutes with flicker, and First/Last time with flicker (WTG causing flicker).

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: W - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: X - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow times, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set times, Minutes with flicker, and First/Last time with flicker (WTG causing flicker).

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: Y - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: Z - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 1 row of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main data table with columns for months (January-December) and rows for each hour of the day (09:01-17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AA - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AB - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (89)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:00 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AC - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 1 row of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for time slots (09:01-17:06) and summary rows (Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, Total, real).

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AD - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sunrise and sunset times, shadow duration, and total reduction. Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AE - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and multiple rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm) / Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker / Last time (hh:mm) with flicker, (WTG causing flicker first time) / (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AF - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns (January to December) and multiple rows showing hourly data for each month, including sun rise/set times, shadow times, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AG - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)

Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 3 rows of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time table with 3 columns (0, 1, Sum) and 2 rows of values: 4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for each hour of the day (09:01-17:06), including potential sun hours and various reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix layout table with 4 columns: Day in month, Sun rise/set, Minutes with flicker, First/Last time with flicker (WTG causing flicker).

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AH - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 3 rows of sunshine probability values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for each hour of the day (09:01-17:06), including potential sun hours and various reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix for table layout with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AI - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AJ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 3 rows of sunshine probability values.

Operational time table with columns 0, 1, Sum and values 4.380, 4.380, 8.760.

Main shadow calculation table with columns for months (January-December) and rows for time intervals (09:01-17:06) and summary rows (Potential sun hours, Total, worst case, etc.).

Table layout: For each day in each month the following matrix apply

Matrix layout table with columns: Day in month, Sun rise/set, Minutes with flicker, First/Last time with flicker, and WTG causing flicker first/last time.



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AK - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time intervals (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AL - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AM - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:01 16:14	08:27 17:08	07:26 18:07	09:25 (7) 10:58 (7)	07:08 20:09	10:23 (7) 21:08
2	09:00 16:15	08:26 17:10	07:24 18:09	09:24 (7) 10:58 (7)	07:05 20:11	10:23 (7) 21:10
3	09:00 16:16	08:24 17:12	07:22 18:11	09:24 (7) 10:59 (7)	07:03 20:13	10:25 (7) 21:12
4	09:00 16:17	08:22 17:14	07:19 18:13	09:23 (7) 10:59 (7)	07:00 20:15	10:26 (7) 21:14
5	08:59 16:19	08:20 17:16	07:17 18:15	09:23 (7) 10:59 (7)	06:57 20:17	10:28 (7) 21:16
6	08:59 16:20	08:18 17:19	07:14 18:17	09:22 (7) 10:59 (7)	06:55 20:19	10:29 (7) 21:18
7	08:58 16:21	08:16 17:21	10:11 (7) 07:12	09:22 (7) 11:00 (7)	06:52 20:21	10:32 (7) 21:20
8	08:58 16:23	08:14 17:23	10:01 (7) 07:09	09:21 (7) 10:59 (7)	06:50 20:23	10:34 (7) 21:22
9	08:57 16:24	08:12 17:25	09:57 (7) 10:29 (7)	07:07 18:24	06:47 20:25	10:39 (7) 21:24
10	08:56 16:26	08:10 17:27	09:53 (7) 10:32 (7)	07:04 18:26	06:45 20:27	10:47 (7) 21:26
11	08:56 16:28	08:08 17:29	09:50 (7) 10:35 (7)	07:02 18:28	06:42 20:29	10:52 (7) 21:28
12	08:55 16:29	08:06 17:31	09:48 (7) 10:38 (7)	06:59 18:30	06:40 20:31	10:58 (7) 21:29
13	08:54 16:31	08:03 17:33	09:46 (7) 10:40 (7)	06:56 18:32	06:37 20:33	10:59 (7) 21:31
14	08:53 16:33	08:01 17:36	09:43 (7) 10:42 (7)	06:54 18:34	06:35 20:35	10:58 (7) 21:33
15	08:52 16:34	07:59 17:38	09:42 (7) 10:44 (7)	06:51 18:36	06:32 20:37	10:57 (7) 21:35
16	08:51 16:36	07:57 17:40	09:40 (7) 10:46 (7)	06:49 18:38	06:30 20:39	10:56 (7) 21:37
17	08:50 16:38	07:55 17:42	09:38 (7) 10:47 (7)	06:46 18:40	06:27 20:41	10:55 (7) 21:38
18	08:49 16:40	07:52 17:44	09:37 (7) 10:49 (7)	06:44 18:42	06:25 20:43	10:54 (7) 21:40
19	08:47 16:42	07:50 17:46	09:36 (7) 10:50 (7)	06:41 18:44	06:23 20:45	10:53 (7) 21:42
20	08:46 16:44	07:48 17:48	09:34 (7) 10:51 (7)	06:39 18:46	06:20 20:47	10:52 (7) 21:44
21	08:45 16:46	07:46 17:50	09:33 (7) 10:52 (7)	06:36 18:48	06:18 20:49	10:51 (7) 21:45
22	08:43 16:47	07:43 17:53	09:32 (7) 10:53 (7)	06:33 18:50	06:15 20:51	10:50 (7) 21:47
23	08:42 16:49	07:41 17:55	09:31 (7) 10:54 (7)	06:31 18:52	06:13 20:53	10:49 (7) 21:49
24	08:41 16:51	07:38 17:57	09:29 (7) 10:55 (7)	06:28 18:54	06:11 20:55	10:48 (7) 21:50
25	08:39 16:53	07:36 17:59	09:29 (7) 10:56 (7)	06:26 18:55	06:08 20:57	10:47 (7) 21:52
26	08:37 16:55	07:34 18:01	09:27 (7) 10:56 (7)	06:23 18:57	06:06 20:59	10:46 (7) 21:53
27	08:36 16:58	07:31 18:03	09:27 (7) 10:57 (7)	06:21 18:59	06:04 21:01	10:45 (7) 21:55
28	08:34 17:00	07:29 18:05	09:25 (7) 10:57 (7)	06:18 19:01	06:01 21:03	10:44 (7) 21:56
29	08:33 17:02		07:15 20:03	07:15 20:03	05:59 21:04	10:42 (7) 21:58
30	08:31 17:04		07:13 20:05	07:13 20:05	05:57 21:06	10:41 (7) 21:59
31	08:29 17:06		07:10 20:07	07:10 20:07	05:55 21:06	10:40 (7) 22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case		1411	2886	468		
Sun reduction		0,25	0,34	0,39		
Oper. time red.		1,00	1,00	1,00		
Wind dir. red.		0,69	0,69	0,69		
Total reduction		0,17	0,23	0,27		
Total, real		238	677	127		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AM - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:39	06:38	07:34	09:58 (7)	07:36
	22:18	21:40	20:29	19:12	11:38 (7)	16:58
2	04:57	05:41	06:39	10:46 (7)	07:36	09:58 (7)
	22:17	21:38	20:27	10:51 (7)	19:09	11:37 (7)
3	04:58	05:43	06:41	10:37 (7)	07:38	09:58 (7)
	22:17	21:36	20:24	11:02 (7)	19:07	11:37 (7)
4	04:59	05:45	06:43	10:32 (7)	07:40	09:58 (7)
	22:16	21:34	20:22	11:07 (7)	19:04	11:37 (7)
5	05:00	05:47	06:45	10:28 (7)	07:42	09:58 (7)
	22:16	21:32	20:19	11:10 (7)	19:02	11:36 (7)
6	05:01	05:48	06:47	10:25 (7)	07:44	09:57 (7)
	22:15	21:30	20:16	11:14 (7)	18:59	11:36 (7)
7	05:02	05:50	06:49	10:23 (7)	07:46	09:57 (7)
	22:14	21:28	20:14	11:17 (7)	18:57	11:35 (7)
8	05:03	05:52	06:51	10:21 (7)	07:48	09:58 (7)
	22:14	21:25	20:11	11:19 (7)	18:54	11:35 (7)
9	05:04	05:54	06:53	10:19 (7)	07:50	09:58 (7)
	22:13	21:23	20:09	11:22 (7)	18:52	11:34 (7)
10	05:05	05:56	06:55	10:17 (7)	07:52	09:58 (7)
	22:12	21:21	20:06	11:23 (7)	18:49	11:33 (7)
11	05:07	05:58	06:56	10:15 (7)	07:54	09:58 (7)
	22:11	21:19	20:04	11:25 (7)	18:47	11:33 (7)
12	05:08	06:00	06:58	10:14 (7)	07:56	09:58 (7)
	22:10	21:17	20:01	11:27 (7)	18:44	11:32 (7)
13	05:09	06:02	07:00	10:12 (7)	07:58	09:58 (7)
	22:09	21:15	19:58	11:29 (7)	18:42	11:31 (7)
14	05:10	06:03	07:02	10:11 (7)	08:00	09:59 (7)
	22:08	21:12	19:56	11:30 (7)	18:39	11:30 (7)
15	05:12	06:05	07:04	10:10 (7)	08:02	09:59 (7)
	22:06	21:10	19:53	11:32 (7)	18:37	11:29 (7)
16	05:13	06:07	07:06	10:08 (7)	08:04	10:00 (7)
	22:05	21:08	19:51	11:32 (7)	18:34	11:28 (7)
17	05:15	06:09	07:08	10:07 (7)	08:06	10:00 (7)
	22:04	21:05	19:48	11:33 (7)	18:32	11:27 (7)
18	05:16	06:11	07:10	10:06 (7)	08:08	10:02 (7)
	22:03	21:03	19:45	11:34 (7)	18:29	11:26 (7)
19	05:18	06:13	07:12	10:05 (7)	08:10	10:02 (7)
	22:01	21:01	19:43	11:35 (7)	18:27	11:25 (7)
20	05:19	06:15	07:13	10:05 (7)	08:12	10:03 (7)
	22:00	20:58	19:40	11:36 (7)	18:25	11:24 (7)
21	05:21	06:17	07:15	10:04 (7)	08:14	10:04 (7)
	21:58	20:56	19:38	11:36 (7)	18:22	11:22 (7)
22	05:22	06:19	07:17	10:03 (7)	08:16	10:05 (7)
	21:57	20:54	19:35	11:37 (7)	18:20	11:21 (7)
23	05:24	06:20	07:19	10:02 (7)	08:18	10:06 (7)
	21:55	20:51	19:33	11:38 (7)	18:18	11:19 (7)
24	05:26	06:22	07:21	10:01 (7)	08:20	10:08 (7)
	21:54	20:49	19:30	11:37 (7)	18:15	11:18 (7)
25	05:27	06:24	07:23	10:00 (7)	08:22	09:09 (7)
	21:52	20:46	19:27	11:37 (7)	17:13	10:17 (7)
26	05:29	06:26	07:25	10:00 (7)	08:24	09:10 (7)
	21:50	20:44	19:25	11:38 (7)	17:11	10:15 (7)
27	05:31	06:28	07:27	09:59 (7)	08:26	09:12 (7)
	21:49	20:42	19:22	11:38 (7)	17:08	10:13 (7)
28	05:32	06:30	07:29	09:59 (7)	08:28	09:13 (7)
	21:47	20:39	19:20	11:38 (7)	17:06	10:11 (7)
29	05:34	06:32	07:31	09:59 (7)	08:30	09:16 (7)
	21:45	20:37	19:17	11:38 (7)	17:04	10:09 (7)
30	05:36	06:34	07:32	09:58 (7)	08:32	09:18 (7)
	21:43	20:34	19:14	11:38 (7)	17:02	10:07 (7)
31	05:38	06:36		07:34	09:20 (7)	
	21:41	20:32		17:00	10:04 (7)	
Potential sun hours	521	465	383	326	253	224
Total, worst case			2187		2561	90
Sun reduction			0,40		0,31	0,16
Oper. time red.			1,00		1,00	
Wind dir. red.			0,69		0,69	
Total reduction			0,27		0,21	0,11
Total, real			596		541	10

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AN - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaieņo sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AO - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)

Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December	
1 09:00	08:27	15:49 (8)	07:26	07:07	05:55	05:01	04:56	05:39	06:37	07:34	07:36	15:20 (8)	08:35
1 16:13	17:08	32 16:21 (8)	18:07	20:09	21:08	22:02	22:17	21:39	20:29	19:12	16:57	31 15:51 (8)	16:10
2 09:00	08:25	15:48 (8)	07:24	07:05	05:52	05:00	04:57	05:41	06:39	07:36	07:38	15:19 (8)	08:36
2 16:15	17:10	33 16:21 (8)	18:09	20:11	21:10	22:03	22:17	21:37	20:26	19:09	16:55	32 15:51 (8)	16:09
3 09:00	08:23	15:48 (8)	07:21	07:02	05:50	04:59	04:59	05:43	06:41	07:38	07:40	15:19 (8)	08:38
3 16:16	17:12	34 16:22 (8)	18:11	20:13	21:12	22:04	22:17	21:35	20:24	19:07	16:53	33 15:52 (8)	16:08
4 08:59	08:22	15:48 (8)	07:19	07:00	05:48	04:58	04:59	05:45	06:43	07:40	07:42	15:19 (8)	08:39
4 16:17	17:14	34 16:22 (8)	18:13	20:15	21:14	22:06	22:16	21:33	20:21	19:04	16:51	33 15:52 (8)	16:07
5 08:59	08:20	15:49 (8)	07:16	06:57	05:46	04:58	05:00	05:46	06:45	07:42	07:44	15:19 (8)	08:41
5 16:18	17:16	33 16:22 (8)	18:15	20:17	21:16	22:07	22:15	21:31	20:19	19:01	16:49	33 15:52 (8)	16:06
6 08:59	08:18	15:49 (8)	07:14	06:55	05:44	04:57	05:01	05:48	06:47	07:44	07:46	15:18 (8)	08:42
6 16:20	17:18	34 16:23 (8)	18:17	20:19	21:18	22:08	22:15	21:29	20:16	18:59	16:47	34 15:52 (8)	16:06
7 08:58	08:16	15:49 (8)	07:11	06:52	05:42	04:56	05:02	05:50	06:49	07:46	07:48	15:19 (8)	08:44
7 16:21	17:20	34 16:23 (8)	18:19	20:21	21:20	22:09	22:14	21:27	20:14	18:56	16:45	34 15:52 (8)	16:05
8 08:57	08:14	15:50 (8)	07:09	06:50	05:40	04:55	05:03	05:52	06:51	07:48	07:51	15:19 (8)	08:45
8 16:23	17:23	33 16:23 (8)	18:21	20:23	21:22	22:10	22:13	21:25	20:11	18:54	16:43	33 15:52 (8)	16:05
9 08:57	08:12	15:49 (8)	07:06	06:47	05:38	04:55	05:04	05:54	06:52	07:50	07:53	15:19 (8)	08:46
9 16:24	17:25	33 16:22 (8)	18:23	20:25	21:24	22:11	22:12	21:23	20:09	18:51	16:41	33 15:52 (8)	16:04
10 08:56	08:10	15:50 (8)	07:04	06:45	05:36	04:54	05:05	05:56	06:54	07:52	07:55	15:19 (8)	08:48
10 16:26	17:27	31 16:21 (8)	18:25	20:27	21:25	22:12	22:11	21:21	20:06	18:49	16:39	32 15:51 (8)	16:04
11 08:55	08:07	15:51 (8)	07:01	06:42	05:34	04:54	05:06	05:58	06:56	07:54	07:57	15:21 (8)	08:49
11 16:27	17:29	30 16:21 (8)	18:27	20:29	21:27	22:13	22:11	21:19	20:03	18:46	16:38	31 15:52 (8)	16:04
12 08:55	08:05	15:52 (8)	06:59	06:40	05:32	04:53	05:08	05:59	06:58	07:56	07:59	15:21 (8)	08:50
12 16:29	17:31	29 16:21 (8)	18:29	20:31	21:29	22:14	22:09	21:17	20:01	18:44	16:36	30 15:51 (8)	16:04
13 08:54	08:03	15:53 (8)	06:56	06:37	05:30	04:53	05:09	06:01	07:00	07:58	08:01	15:22 (8)	08:51
13 16:31	17:33	26 16:19 (8)	18:31	20:33	21:31	22:14	22:08	21:14	19:58	18:41	16:34	28 15:50 (8)	16:03
14 08:53	08:01	15:54 (8)	06:54	06:35	05:28	04:52	05:10	06:03	07:02	08:00	08:03	15:22 (8)	08:52
14 16:32	17:35	24 16:18 (8)	18:33	20:35	21:33	22:15	22:07	21:12	19:56	18:39	16:32	28 15:50 (8)	16:03
15 08:52	07:59	15:56 (8)	06:51	06:32	05:26	04:52	05:12	06:05	07:04	08:02	08:05	15:24 (8)	08:53
15 16:34	17:38	21 16:17 (8)	18:35	20:37	21:35	22:16	22:06	21:10	19:53	18:36	16:30	26 15:50 (8)	16:03
16 08:51	07:57	15:58 (8)	06:49	06:30	05:24	04:52	05:13	06:07	07:06	08:04	08:07	15:25 (8)	08:54
16 16:36	17:40	16 16:14 (8)	18:37	20:39	21:36	22:16	22:05	21:08	19:50	18:34	16:29	24 15:49 (8)	16:03
17 08:49	07:54	16:01 (8)	06:46	06:27	05:23	04:52	05:15	06:09	07:08	08:06	08:09	15:26 (8)	08:55
17 16:38	17:42	10 16:11 (8)	18:39	20:41	21:38	22:17	22:04	21:05	19:48	18:32	16:27	22 15:48 (8)	16:03
18 08:48	07:52		06:43	06:25	05:21	04:52	05:16	06:11	07:09	08:08	08:11	15:28 (8)	08:56
18 16:40	17:44		18:41	20:43	21:40	22:17	22:02	21:03	19:45	18:29	16:26	18 15:46 (8)	16:04
19 08:47	07:50		06:41	06:22	05:19	04:52	05:17	06:13	07:11	08:10	08:13	15:29 (8)	08:56
19 16:42	17:46		18:43	20:45	21:42	22:18	22:01	21:01	19:43	18:27	16:24	15 15:44 (8)	16:04
20 08:46	07:48		06:38	06:20	05:18	04:52	05:19	06:15	07:13	08:12	08:15	15:33 (8)	08:57
20 16:43	17:48		18:45	20:47	21:43	22:18	21:59	20:58	19:40	18:24	16:23	10 15:43 (8)	16:04
21 08:45	07:45		06:36	06:18	05:16	04:52	05:21	06:16	07:15	08:14	08:17	15:34 (8)	08:58
21 16:45	17:50		18:47	20:49	21:45	22:18	21:58	20:56	19:37	18:22	16:21		16:05
22 08:43	07:43	15:58 (8)	06:33	06:15	05:14	04:52	05:22	06:18	07:17	08:16	08:18		08:58
22 16:47	10 16:08 (8)	17:52	18:49	20:50	21:47	22:18	21:57	20:53	19:35	18:20	16:20		16:05
23 08:42	15:55 (8)	07:41	06:31	06:13	05:13	04:52	05:24	06:20	07:19	08:18	08:20		08:59
23 16:49	15 16:10 (8)	17:54	18:51	20:52	21:48	22:19	21:55	20:51	19:32	18:17	16:18		16:06
24 08:40	15:54 (8)	07:38	06:28	06:11	05:11	04:53	05:25	06:22	07:21	08:20	08:22		08:59
24 16:51	18 16:12 (8)	17:57	18:53	20:54	21:50	22:19	21:53	20:49	19:30	18:15	16:17		16:06
25 08:39	15:53 (8)	07:36	06:25	06:08	05:10	04:53	05:27	06:24	07:23	08:22	08:24		09:00
25 16:53	22 16:15 (8)	17:59	18:55	20:56	21:52	22:19	21:52	20:46	19:27	17:13	12 15:42 (8)	16:16	16:07
26 08:37	15:52 (8)	07:33	06:23	06:06	05:09	04:53	05:29	06:26	07:25	08:24	08:26		09:00
26 16:55	24 16:16 (8)	18:01	18:57	20:58	21:53	22:19	21:50	20:44	19:25	17:11	17 15:45 (8)	16:15	16:07
27 08:36	15:51 (8)	07:31	06:20	06:04	05:07	04:54	05:30	06:28	07:26	08:26	08:28		09:00
27 16:57	26 16:17 (8)	18:03	18:59	21:00	21:55	22:19	21:48	20:41	19:22	17:08	22 15:47 (8)	16:14	16:08
28 08:34	15:50 (8)	07:29	06:18	06:01	05:06	04:54	05:32	06:30	07:28	08:28	08:29		09:00
28 16:59	28 16:18 (8)	18:05	19:01	21:02	21:56	22:18	21:47	20:39	19:19	17:06	25 15:48 (8)	16:12	16:09
29 08:32	15:50 (8)		07:15	05:59	05:05	04:55	05:34	06:32	07:30	08:30	08:31		09:00
29 17:01	29 16:19 (8)		20:03	21:04	21:58	22:18	21:45	20:36	19:17	17:04	27 15:49 (8)	16:11	16:10
30 08:31	15:49 (8)		07:13	05:57	05:04	04:56	05:36	06:34	07:32	08:33	08:33		09:00
30 17:04	30 16:19 (8)		20:05	21:06	21:59	22:18	21:43	20:34	19:14	17:02	28 15:50 (8)	16:10	16:11
31 08:29	15:49 (8)		07:10		05:02		05:37	06:35	07:34	08:35	08:35		09:00
31 17:06	31 16:20 (8)		20:07		22:00		21:41	20:31	16:59	30 15:51 (8)	16:12		16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224	
Total, worst case	233	487								161	560		
Sun reduction	0,18	0,25								0,31	0,16		
Oper. time red.	1,00	1,00								1,00	1,00		
Wind dir. red.	0,73	0,73								0,73	0,73		
Total reduction	0,13	0,18								0,23	0,12		
Total, real	31	88								36	65		

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AP - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and multiple rows showing shadow calculations for each day, including sun rise/set times, shadow lengths, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AQ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and multiple rows showing sunrise/sunset times, shadow reduction, and operational hours. Includes a summary row at the bottom.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AR - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for sun hours, reduction, and real values.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir ekspluatacija

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Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AS - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	05:55 21:09	05:02 22:02	05:37 (6) 04:57	05:42 (6) 05:40	06:38 07:35	07:37 08:35	07:37 08:35	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:10	07:05 20:12	05:53 21:11	05:01 22:04	05:38 (6) 04:58	05:43 (6) 05:42	06:40 07:37	07:39 08:37	07:39 08:37	08:37 16:09
3	09:00 16:16	08:24 17:13	07:22 18:12	07:03 20:14	05:51 21:12	05:00 22:05	05:37 (6) 04:59	05:43 (6) 05:43	06:42 07:39	07:41 08:38	07:41 08:38	08:38 16:08
4	09:00 16:18	08:22 17:15	07:19 18:14	07:00 20:15	05:49 21:14	04:59 22:06	05:37 (6) 05:00	05:44 (6) 05:45	06:44 07:40	07:43 08:40	07:43 08:40	08:40 16:08
5	08:59 16:19	08:20 17:17	07:17 18:16	06:58 20:17	05:46 21:16	04:58 22:07	05:37 (6) 05:00	05:44 (6) 05:47	06:45 07:42	07:45 08:41	07:45 08:41	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	05:44 21:18	04:57 22:08	05:38 (6) 05:01	05:44 (6) 05:49	06:47 07:44	07:47 08:43	07:47 08:43	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	04:57 22:09	05:38 (6) 05:02	05:43 (6) 05:51	06:49 07:46	07:49 08:44	07:49 08:44	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:38 (6) 05:04	05:44 (6) 05:53	06:51 07:48	07:51 08:45	07:51 08:45	08:45 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	05:38 21:24	04:55 22:11	05:38 (6) 05:05	05:45 (6) 05:54	06:53 07:50	07:53 08:47	07:53 08:47	08:47 16:05
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:55 22:12	05:39 (6) 05:06	05:45 (6) 05:56	06:55 07:52	07:55 08:48	07:55 08:48	08:48 16:05
11	08:56 16:28	08:08 17:30	07:02 18:28	06:43 20:29	05:34 21:28	04:54 22:13	05:38 (6) 05:07	05:45 (6) 05:58	06:57 07:54	07:57 08:49	07:57 08:49	08:49 16:04
12	08:55 16:30	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	04:54 22:14	05:39 (6) 05:08	05:45 (6) 06:00	06:59 07:56	07:59 08:50	07:59 08:50	08:50 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:31 21:31	04:53 22:15	05:39 (6) 05:10	05:45 (6) 06:02	07:01 07:58	08:01 08:52	08:01 08:52	08:52 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:29 21:33	04:53 22:15	05:40 (6) 05:11	05:46 (6) 06:04	07:02 08:00	08:03 08:53	08:03 08:53	08:53 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	04:53 22:16	05:39 (6) 05:12	05:47 (6) 06:06	07:04 08:02	08:05 08:54	08:05 08:54	08:54 16:04
16	08:51 16:37	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:53 22:17	05:39 (6) 05:14	05:48 (6) 06:08	07:06 08:04	08:07 08:54	08:07 08:54	08:54 16:04
17	08:50 16:38	07:55 17:42	06:47 18:40	06:28 20:41	05:23 21:39	04:52 22:17	05:40 (6) 05:15	05:49 (6) 06:09	07:08 08:06	08:09 08:55	08:09 08:55	08:55 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:22 21:40	04:52 22:18	05:40 (6) 05:17	05:51 (6) 06:11	07:10 08:08	08:11 08:56	08:11 08:56	08:56 16:04
19	08:48 16:42	07:50 17:47	06:41 18:44	06:23 20:45	05:20 21:42	04:52 22:18	05:40 (6) 05:18	05:52 (6) 06:13	07:12 08:10	08:13 08:57	08:13 08:57	08:57 16:04
20	08:46 16:44	07:48 17:49	06:39 18:46	06:21 20:47	05:18 21:44	04:52 22:18	05:40 (6) 05:20	05:53 (6) 06:15	07:14 08:12	08:15 08:58	08:15 08:58	08:58 16:05
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:17 21:46	04:53 22:19	05:41 (6) 05:21	05:55 (6) 06:17	07:16 08:14	08:17 08:58	08:17 08:58	08:58 16:05
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	04:53 22:19	05:41 (6) 05:23	05:56 (6) 06:19	07:17 08:16	08:19 08:59	08:19 08:59	08:59 16:06
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:14 21:49	04:53 22:19	05:41 (6) 05:24	05:58 (6) 06:21	07:19 08:18	08:21 08:59	08:21 08:59	08:59 16:06
24	08:41 16:52	07:39 17:57	06:29 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:41 (6) 05:26	05:41 (6) 05:26	06:23 07:21	08:20 08:23	08:23 09:00	09:00 16:07
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	05:11 21:52	04:54 22:19	05:42 (6) 05:28	05:42 (6) 05:28	06:25 07:23	08:25 09:00	08:25 09:00	09:00 16:07
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	04:54 22:19	05:41 (6) 05:29	05:41 (6) 05:29	06:27 07:25	08:24 08:26	08:26 09:00	09:00 16:08
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	04:55 22:19	05:42 (6) 05:31	05:42 (6) 05:31	06:28 07:27	08:28 09:01	08:28 09:01	09:01 16:09
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:07 21:57	04:55 22:19	05:42 (6) 05:33	05:42 (6) 05:33	06:30 07:29	08:30 09:01	08:30 09:01	09:01 16:10
29	08:33 17:02	07:16 18:04	06:00 20:04	06:00 21:05	05:05 21:58	04:56 22:19	05:42 (6) 05:34	05:42 (6) 05:34	06:32 07:31	08:32 09:01	08:32 09:01	09:01 16:11
30	08:31 17:04	07:13 18:06	05:57 21:07	05:04 22:00	05:04 22:00	04:56 22:18	05:43 (6) 05:36	05:43 (6) 05:36	06:37 07:33	08:33 09:01	08:33 09:01	09:01 16:12
31	08:29 17:06	07:11 18:08	05:57 21:08	05:03 22:01	05:03 22:01	04:56 22:18	05:38 05:38	05:38 05:38	06:36 07:35	08:35 09:01	08:35 09:01	09:01 16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case					194	750	483					
Sun reduction					0,52	0,48	0,49					
Oper. time red.					1,00	1,00	1,00					
Wind dir. red.					0,83	0,83	0,83					
Total reduction					0,43	0,40	0,40					
Total, real					83	301	195					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindpiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar

Calculation: Enercon E138Shadow receptor: AT - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sunrise, sunset, and shadow data. Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinī (Ģilutēs raj. sav. Usēnī ir Juknaiēnī sen.: Kavolī, Stremeni, Kūgeli, Okslindpi, Skieri bei Menklauki kaimuose) statybā ir eksploatacija

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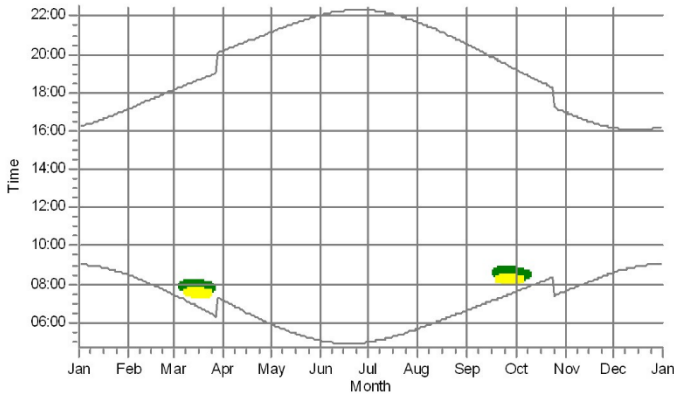
Calculated:

2021.11.30 10:39/3.5.552

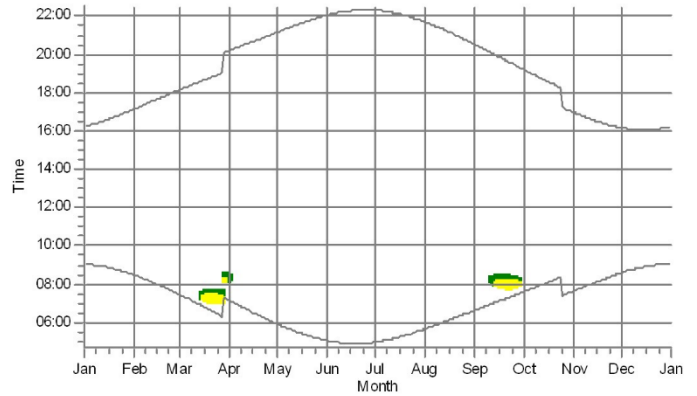
SHADOW - Calendar, graphical

Calculation: Enercon E138

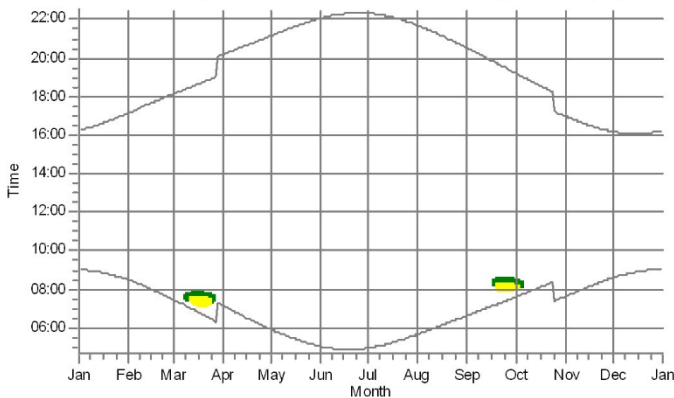
A: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (62)



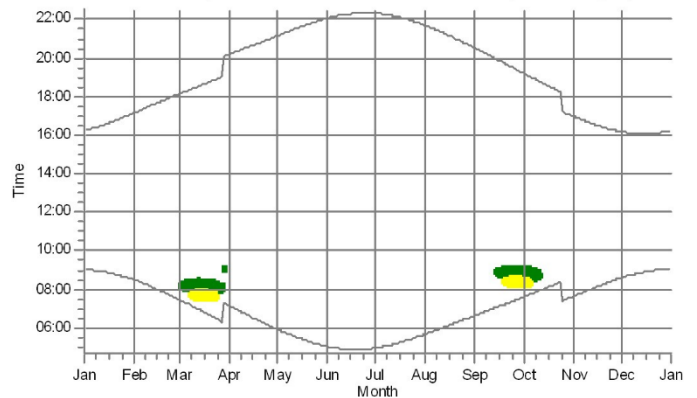
B: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (63)



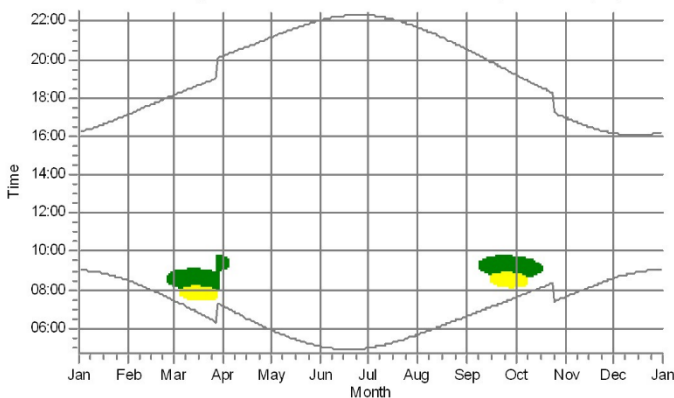
C: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (64)



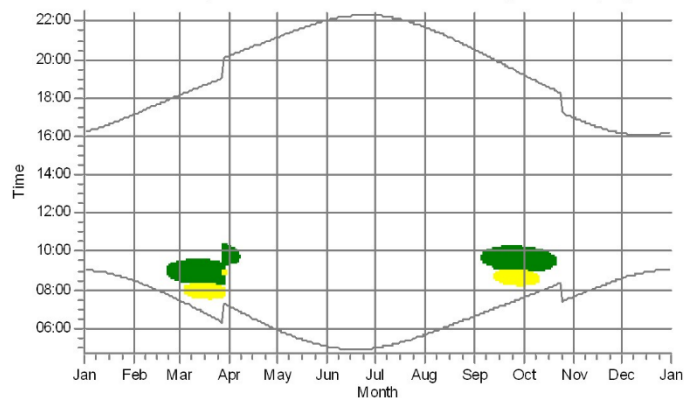
D: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (65)



E: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (66)



F: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (67)



WTGs



1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėnų sen.: Kavolių, Stremenių, Kūgelėnų, Okslindėnų, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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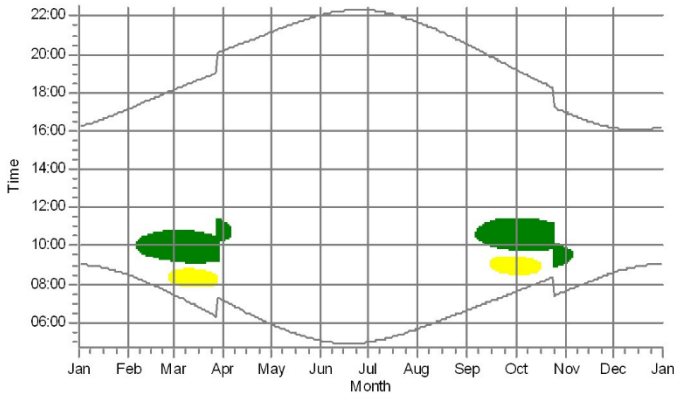
Calculated:

2021.11.30 10:39/3.5.552

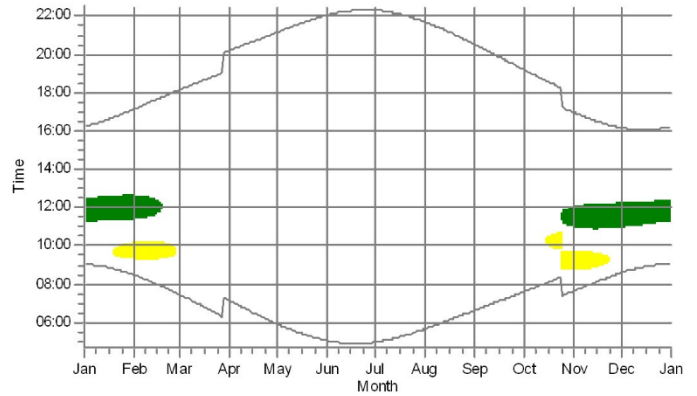
SHADOW - Calendar, graphical

Calculation: Enercon E138

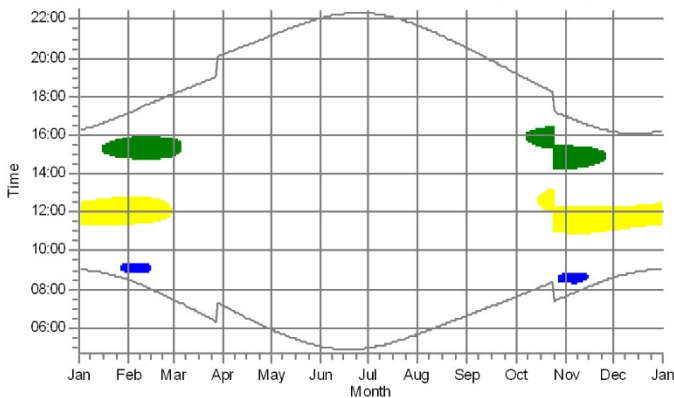
G: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)



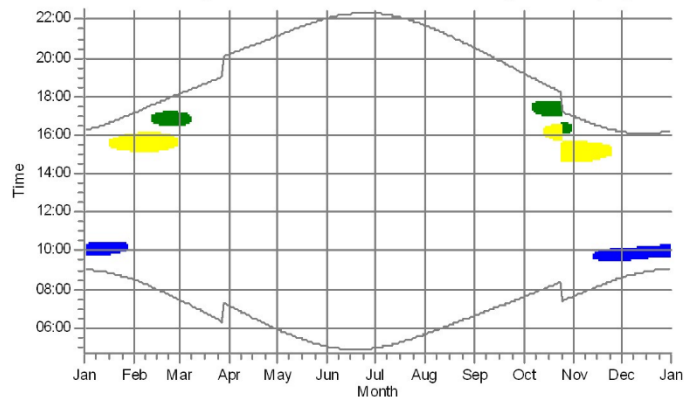
H: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)



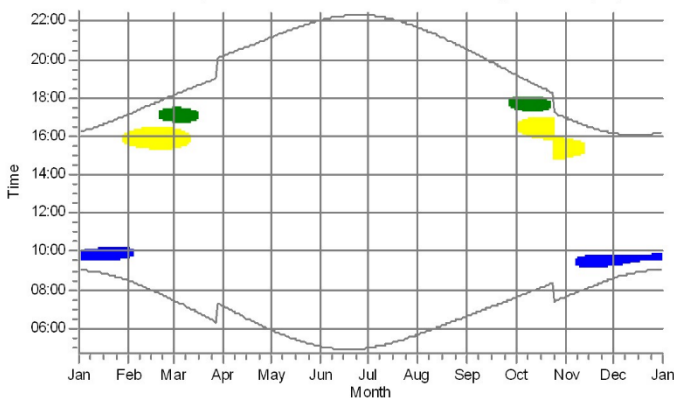
I: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)



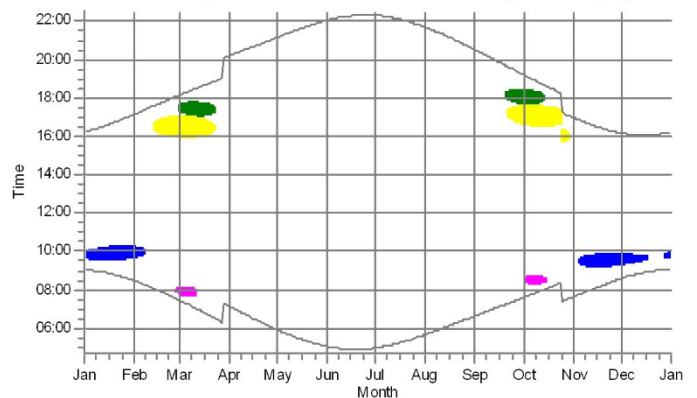
J: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)



K: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)



L: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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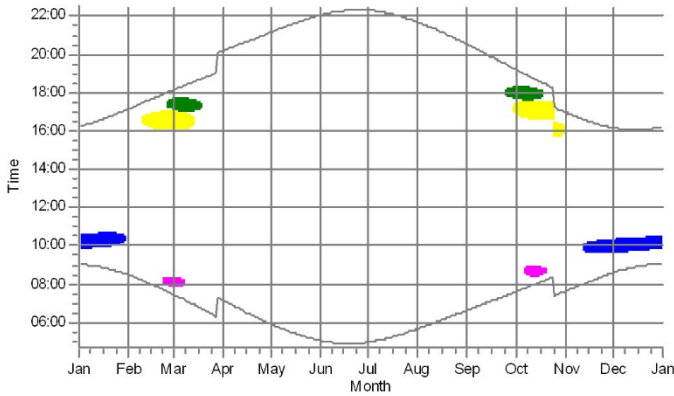
Calculated:

2021.11.30 10:39/3.5.552

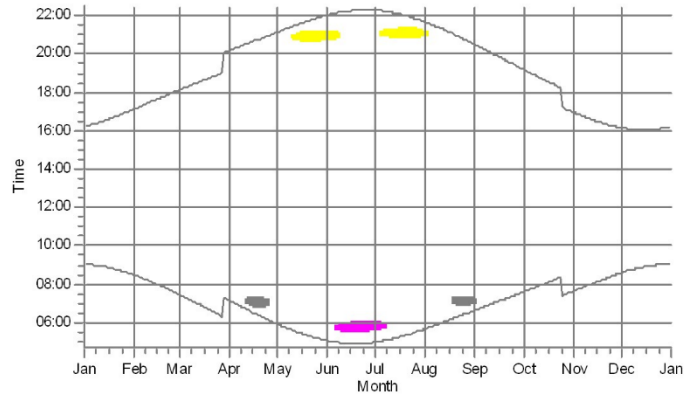
SHADOW - Calendar, graphical

Calculation: Enercon E138

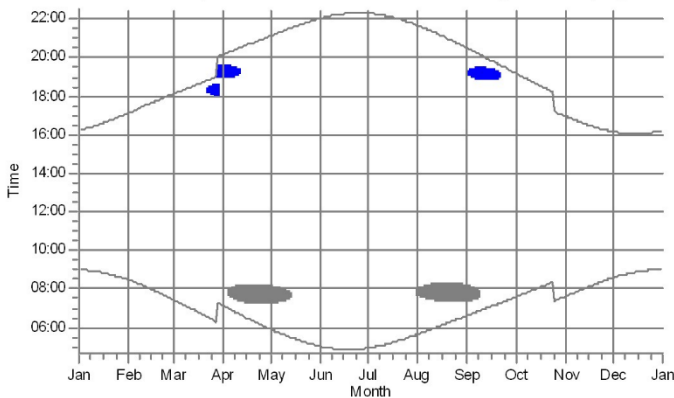
M: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)



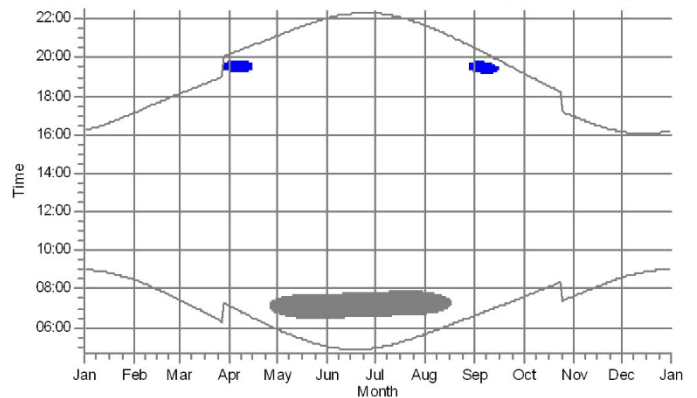
N: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (75)



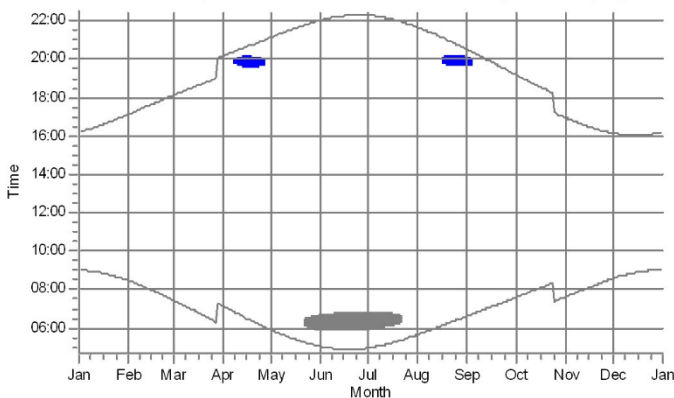
O: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (76)



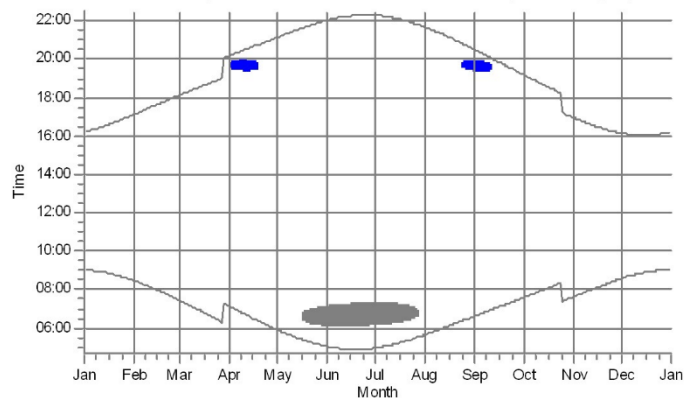
P: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)



Q: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)



R: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Project:

8 VE Īilutēs r.

Description:

Vējo elektrinīo (Īilutēs raj. sav. Usēno ir Juknaiēo sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindīo, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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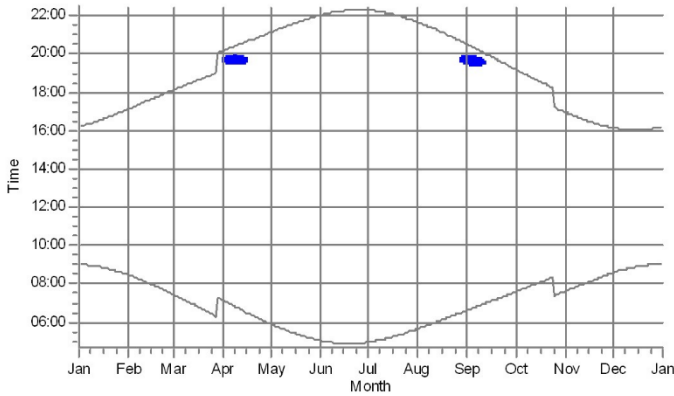
Calculated:

2021.11.30 10:39/3.5.552

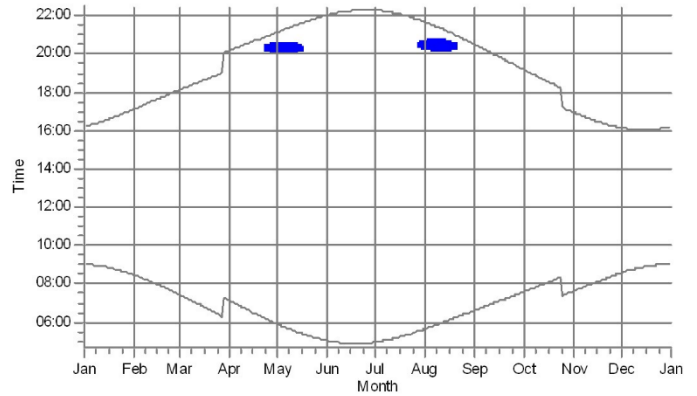
SHADOW - Calendar, graphical

Calculation: Enercon E138

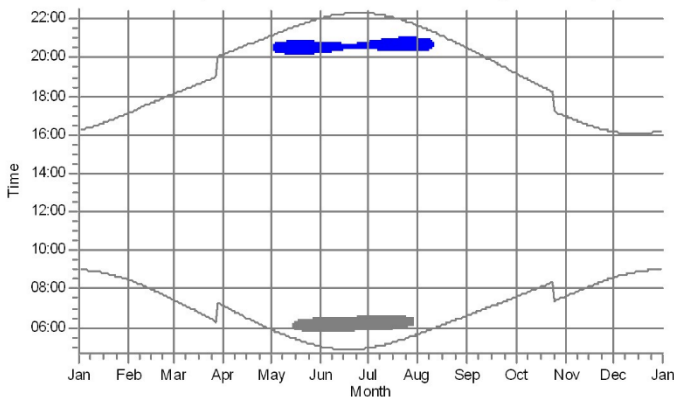
S: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (80)



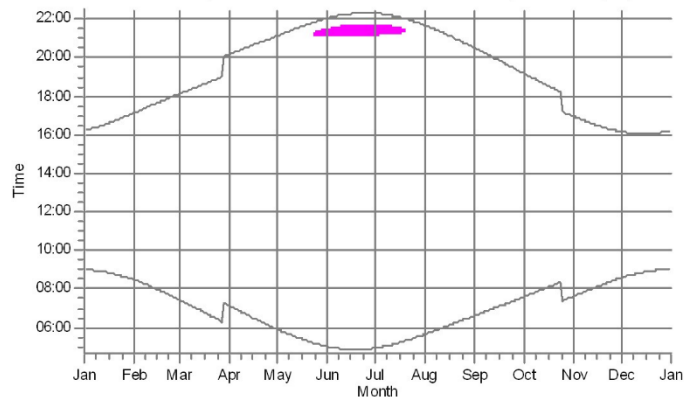
T: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (81)



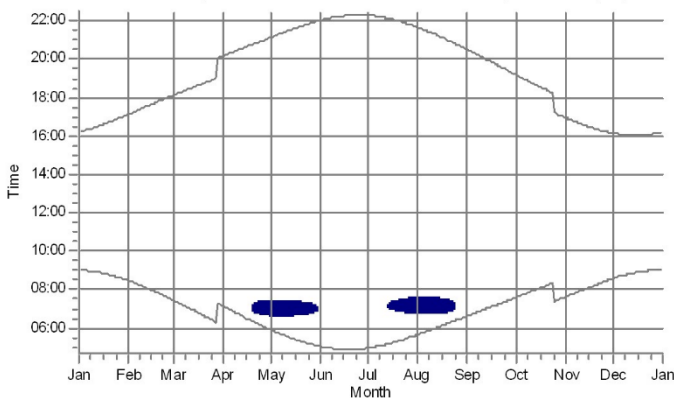
U: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (82)



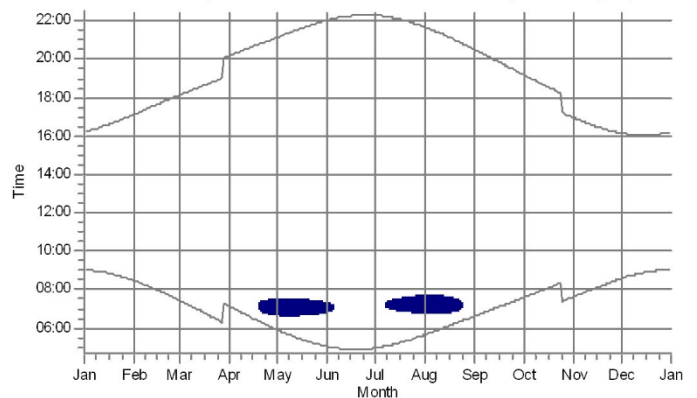
V: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (83)



W: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (84)



X: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (85)



WTGs

- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)
- 7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Āilutēs r.

Description:

Vējo elektrinīo (Āilutēs raj. sav. Usēno ir Juknaiēo sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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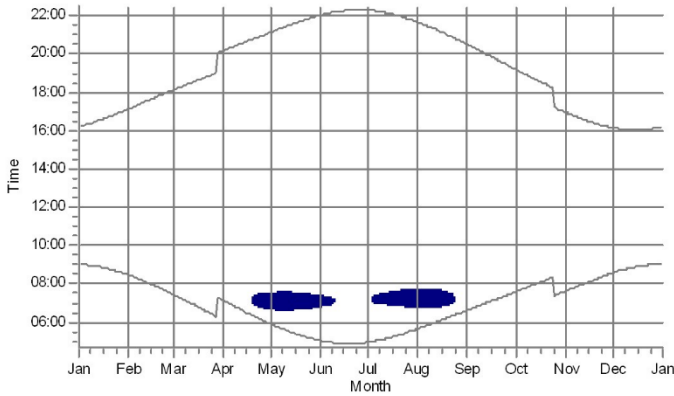
Calculated:

2021.11.30 10:39/3.5.552

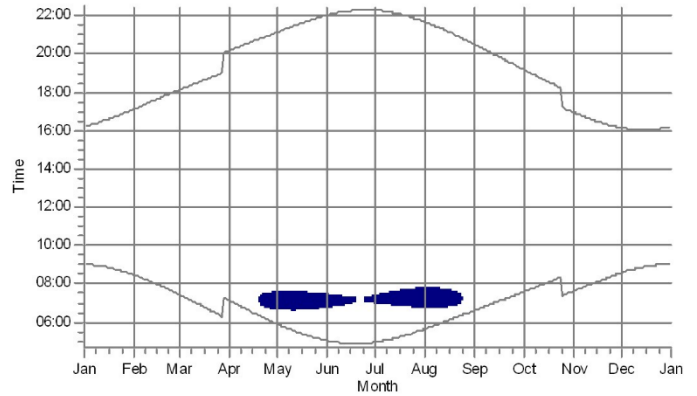
SHADOW - Calendar, graphical

Calculation: Enercon E138

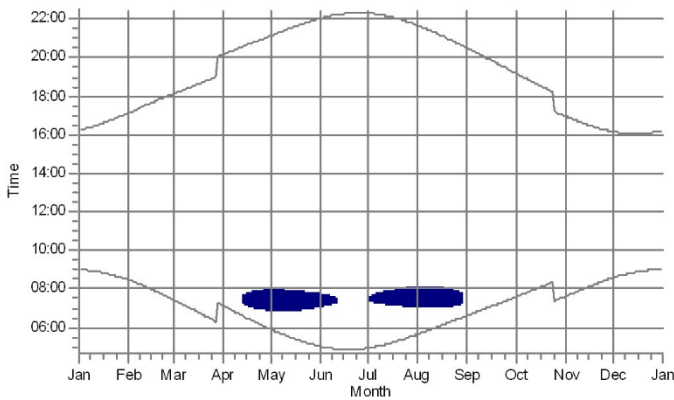
Y: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86)



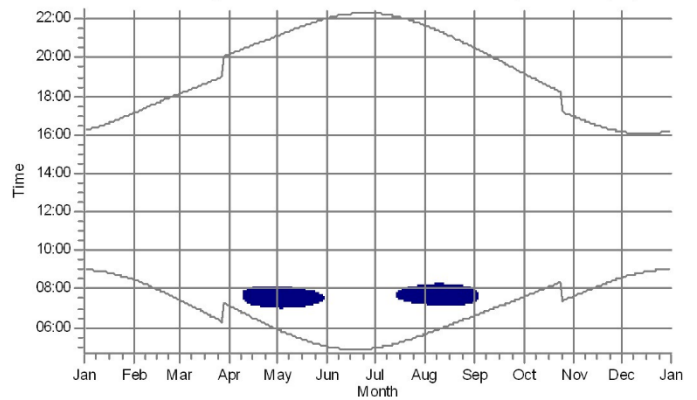
Z: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (87)



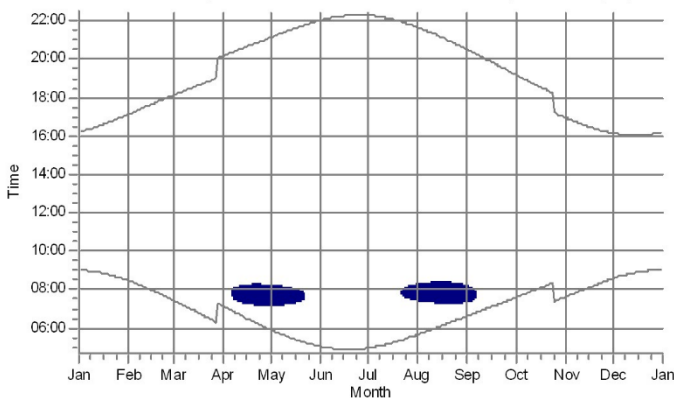
AA: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (88)



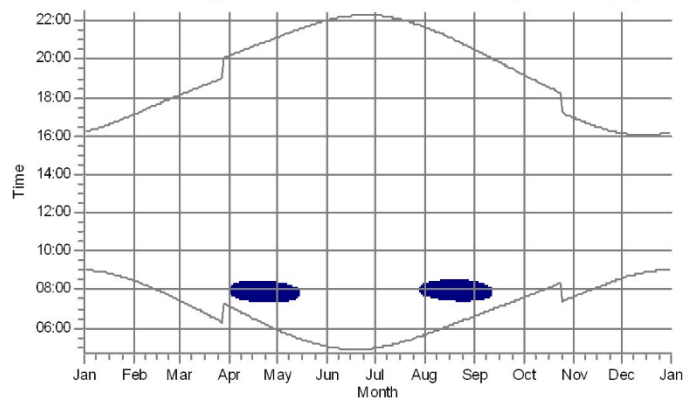
AB: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (89)



AC: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (90)



AD: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (91)



WTGs

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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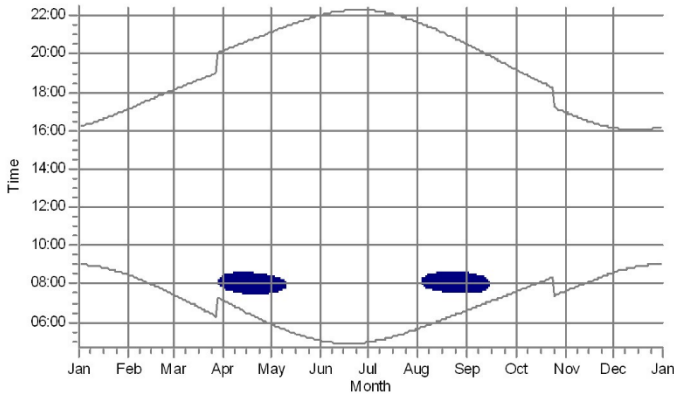
Calculated:

2021.11.30 10:39/3.5.552

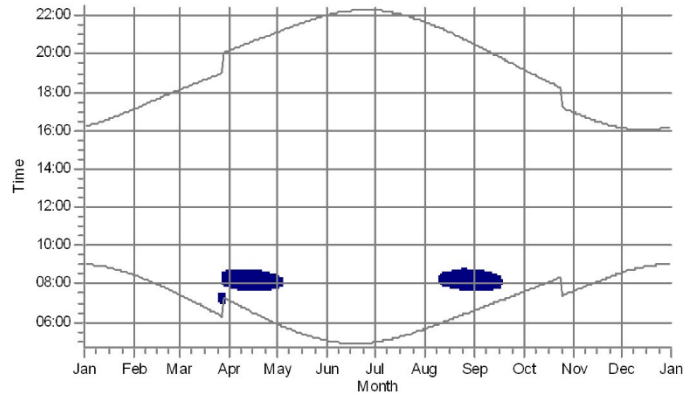
SHADOW - Calendar, graphical

Calculation: Enercon E138

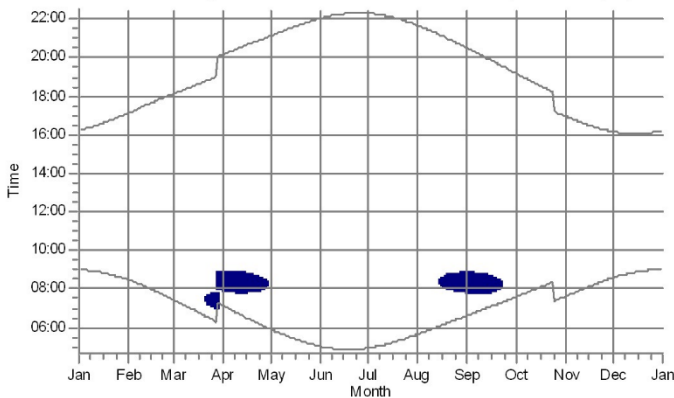
AE: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (92)



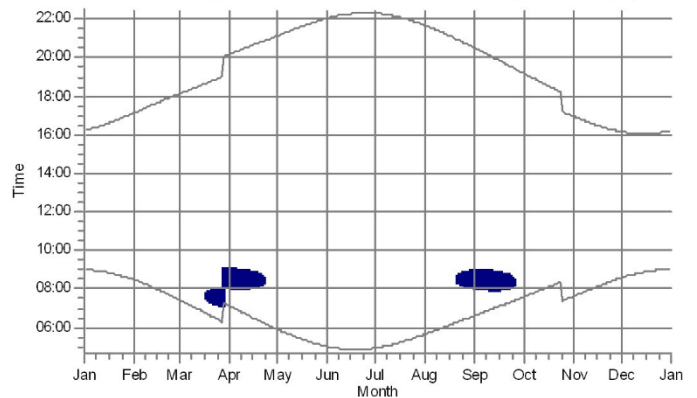
AF: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (93)



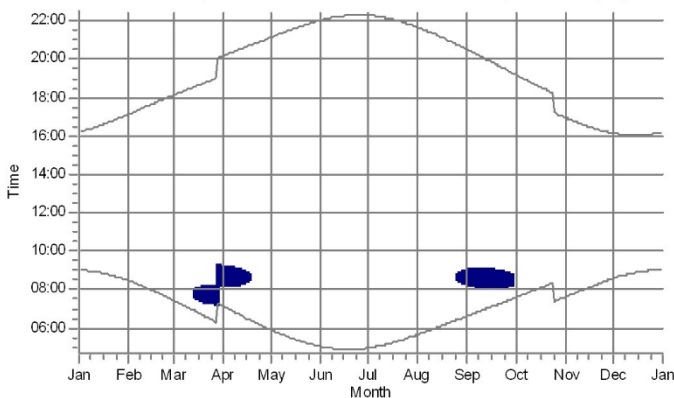
AG: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (94)



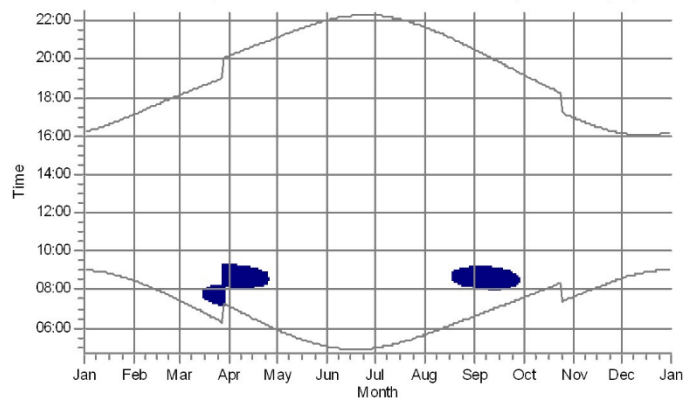
AH: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (95)



AI: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (96)



AJ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (97)



WTGs

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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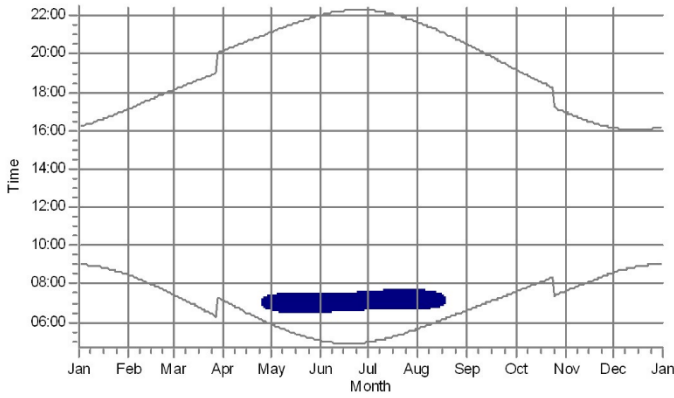
Calculated:

2021.11.30 10:39/3.5.552

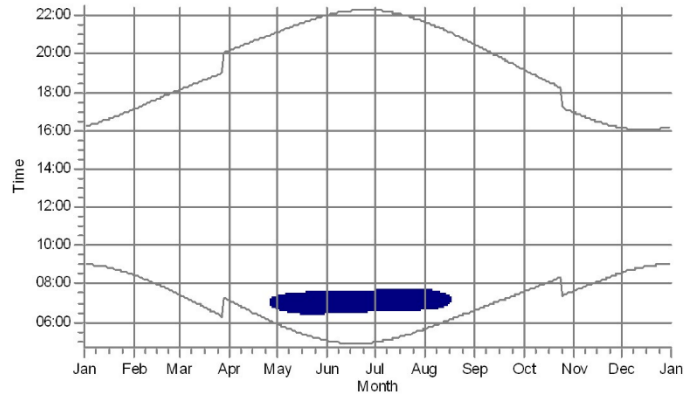
SHADOW - Calendar, graphical

Calculation: Enercon E138

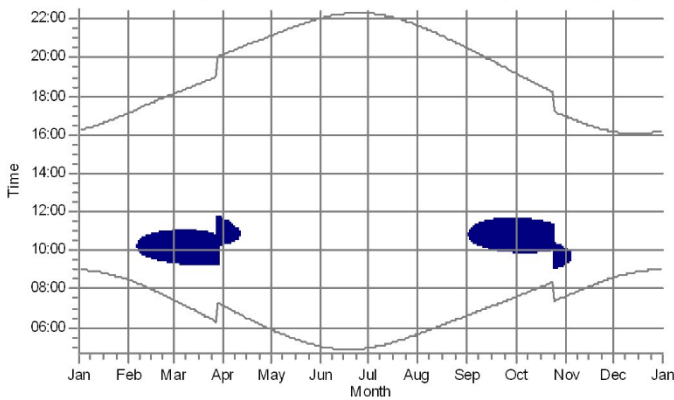
AK: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (98)



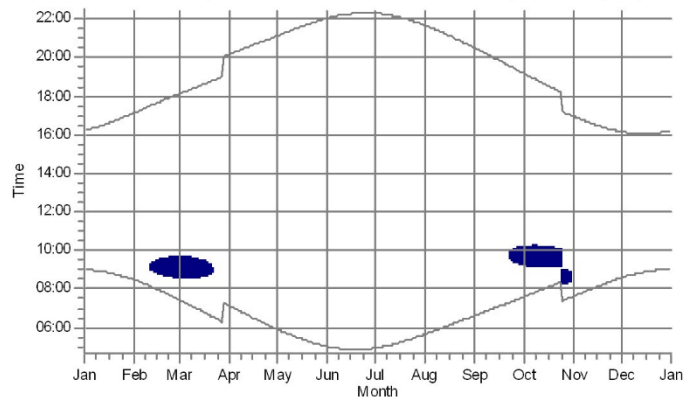
AL: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (99)



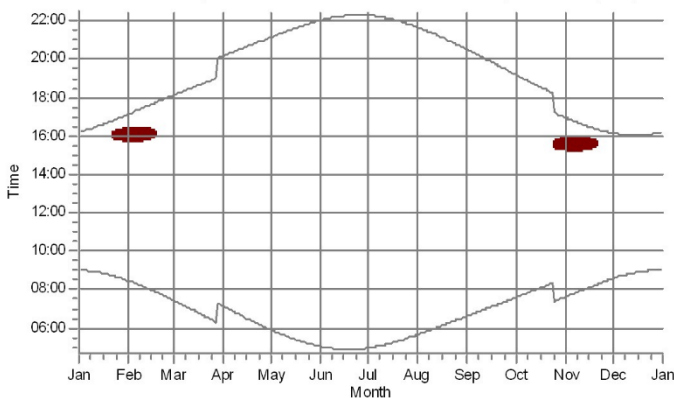
AM: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100)



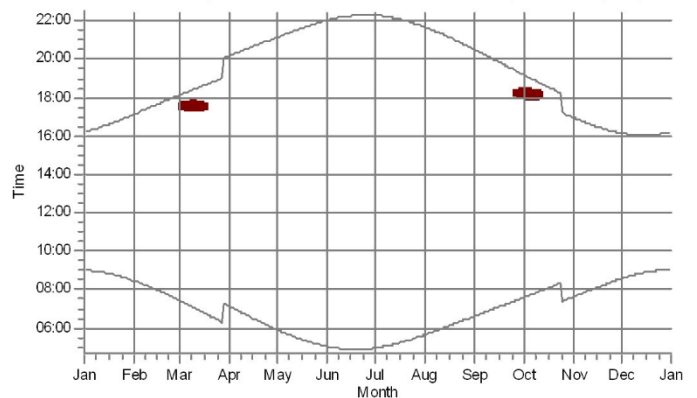
AN: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (101)



AO: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (102)



AP: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (103)



WTGs

- 7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)
- 8: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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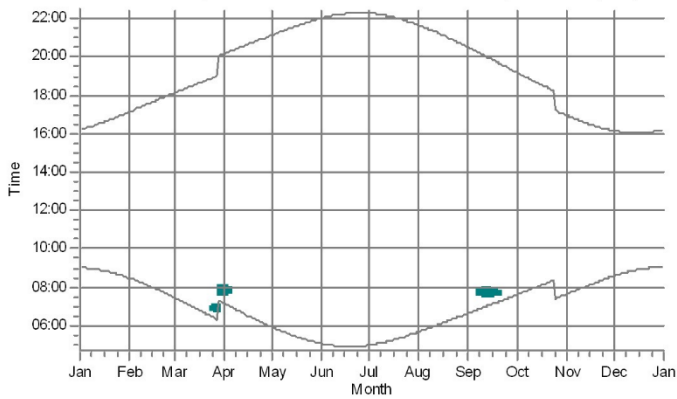
Calculated:

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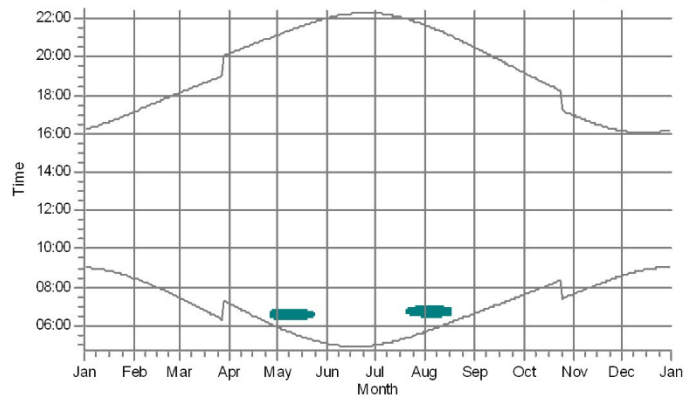
SHADOW - Calendar, graphical

Calculation: Enercon E138

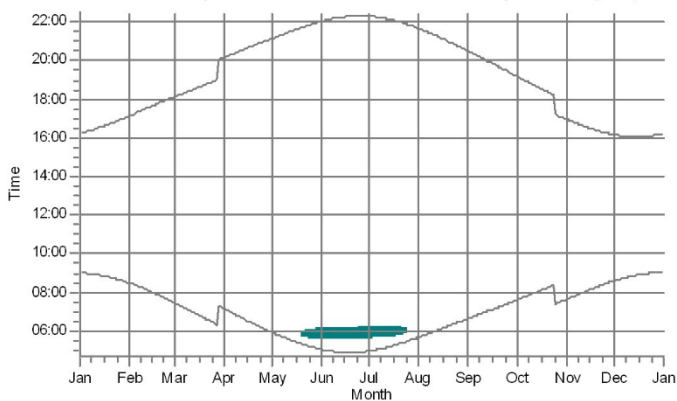
AQ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (104)



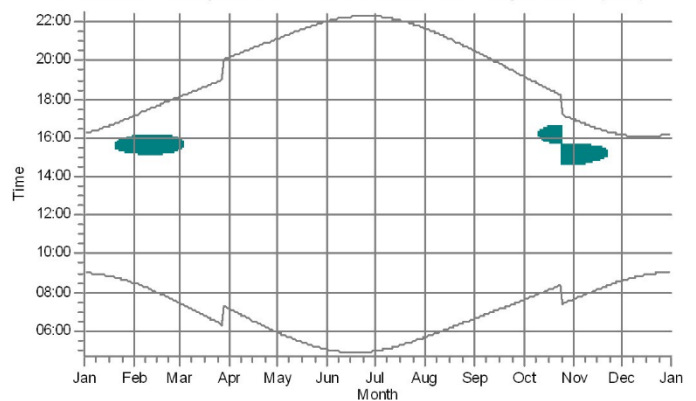
AR: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (105)



AS: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (106)



AT: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (107)



WTGs

6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time ranges for sunrise and sunset. Summary rows at the bottom show potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīo (Ģilutēs raj. sav. Usēno ir Juknaiēo sen.: Kavolīo, Stremeniō, Kūgeliō, Okslindpiō, Skierīo bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 70 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for each day of the month, showing sun rise/set times and potential sun hours.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for each day of the month, showing sun rise/set times and shadow flicker minutes.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for each day (1-31), showing sun rise/set times and shadow flicker minutes.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset. Summary rows at the bottom show potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset. Summary rows at the bottom show potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals (Sunrise, Sunset) and potential sun hours. Summary rows at the bottom show total sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)**Assumptions for shadow calculations**

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57 05:57-07:46/109 22:18	05:40 06:49-07:58/69 21:40	06:38 07:27-08:06/39 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	04:57 05:57-07:46/109 22:18	05:41 06:49-08:00/71 21:38	06:40 07:28-08:05/37 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	04:58 05:58-07:47/109 22:17	05:43 06:50-08:03/73 21:36	06:41 07:29-08:03/34 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	04:59 05:57-07:46/109 22:17	05:45 06:51-08:05/74 21:34	06:43 07:31-08:01/30 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	05:00 05:57-07:46/109 22:16	05:47 06:52-08:07/75 21:32	06:45 07:33-07:59/26 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	05:01 05:58-07:47/109 22:15	05:49 06:52-08:08/76 21:30	06:47 07:35-07:54/19 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	05:02 05:58-07:47/109 22:15	05:50 06:53-08:09/76 21:28	06:49 07:40-07:49/9 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	05:03 05:58-07:47/109 22:14	05:52 06:55-08:11/76 21:26	06:51 20:12	07:48 18:54	07:51 16:43	08:46 16:05
9	05:04 05:58-07:47/109 22:13	05:54 06:55-08:11/76 21:24	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	05:05 05:58-07:48/110 22:12	05:56 06:57-08:12/75 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	05:07 05:59-07:49/110 22:11	05:58 06:59-08:13/74 21:19	06:57 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	05:08 06:00-07:49/109 22:10	06:00 07:01-08:14/73 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:51 16:04
13	05:09 06:00-07:49/109 22:09	06:02 07:03-08:13/70 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	05:11 06:00-07:49/109 22:08	06:04 07:06-07:25/19 21:13	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	05:12 06:00-07:49/109 22:07	06:05 07:13-07:18/5 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	05:13 06:01-07:49/108 22:05	06:07 07:27-08:15/48 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:55 16:04
17	05:15 06:01-07:49/108 22:04	06:09 07:25-08:15/50 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	05:16 06:01-07:49/108 22:03	06:11 07:25-08:15/50 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	05:18 06:02-07:49/107 22:01	06:13 07:25-08:15/50 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	05:19 06:02-07:49/107 22:00	06:15 07:25-08:15/50 20:59	07:14 19:40	08:12 18:25	08:15 16:23	08:58 16:04
21	05:21 06:04-07:50/106 21:59	06:17 07:25-08:15/50 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	05:22 06:04-07:49/105 21:57	06:19 07:24-08:14/50 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	05:24 06:05-06:31/26 21:55	06:21 07:24-08:14/50 20:52	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	05:26 06:06-06:30/24 21:54	06:23 07:24-08:14/50 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	05:27 06:07-06:29/22 21:52	06:24 07:24-08:14/50 20:47	07:23 19:28	07:22 17:13	08:25 16:16	09:00 16:07
26	05:29 06:08-06:27/19 21:51	06:26 07:25-08:13/48 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	05:31 06:10-06:26/16 21:49	06:28 07:24-08:12/48 20:42	07:27 19:22	07:26 17:09	08:28 16:14	09:01 16:09
28	05:32 06:12-06:23/11 21:47	06:30 07:25-08:11/46 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	05:34 06:47-07:48/61 21:45	06:32 07:25-08:10/45 20:37	07:31 19:17	07:30 17:04	08:32 16:12	09:01 16:10
30	05:36 06:48-07:47/59 21:43	06:34 07:26-08:09/43 20:34	07:33 19:15	07:32 17:02	08:33 16:11	09:01 16:11
31	05:38 06:48-07:46/58 21:42	06:36 07:27-08:08/41 20:32	07:35 19:13	07:35 17:00	09:01 16:10	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	3095	2062	194	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 5 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)**Assumptions for shadow calculations**

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:01 16:14	08:28 17:08	07:27 18:07	07:52-08:15/23 20:10	07:08 21:09	05:55 22:02
2	09:01 16:15	08:26 17:10	07:24 18:09	07:50-08:15/25 20:12	07:05 21:11	05:53 22:04
3	09:00 16:16	08:24 17:12	07:22 18:11	07:47-08:14/27 20:14	07:03 21:13	05:51 22:05
4	09:00 16:17	08:22 17:14	07:19 18:14	07:45-08:14/29 20:15	07:00 21:15	05:48 22:06
5	09:00 16:19	08:20 17:17	07:17 18:16	07:44-08:12/28 20:17	06:58 21:16	05:46 22:07
6	08:59 16:20	08:18 17:19	07:14 18:18	07:44-08:11/27 20:19	06:55 21:18	05:44 22:09
7	08:59 16:22	08:16 17:21	07:12 18:20	07:44-08:06/22 20:21	06:53 21:20	05:42 22:10
8	08:58 16:23	08:14 17:23	07:09 18:22	07:44-08:01/17 20:23	06:50 21:22	05:40 22:11
9	08:57 16:25	08:12 17:25	07:07 18:24	07:46-08:00/14 20:25	06:48 21:24	05:38 22:12
10	08:57 16:26	08:10 17:27	07:04 18:26	07:47-07:57/10 20:27	06:45 21:26	05:36 22:13
11	08:56 16:28	08:08 17:29	07:02 18:28	06:43 20:29	05:34 21:28	05:34 22:13
12	08:55 16:29	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	05:32 22:14
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:30 21:32	05:30 22:15
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	05:28 21:33	05:28 22:16
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	05:27 22:16
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	05:25 22:17
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	05:23 21:39	05:23 22:17
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:41	05:21 22:18
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:20 21:42	05:20 22:18
20	08:46 16:44	07:48 17:49	06:39 18:46	06:20 20:47	05:18 21:44	05:18 22:19
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:16 21:46	05:16 22:19
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	05:15 22:19
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	05:13 22:19
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	05:12 21:51	05:12 22:19
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	05:10 21:52	21:15-21:16/1 04:53
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	21:14-21:18/4 04:54
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	21:13-21:19/6 04:54
28	08:35 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	21:13-21:21/8 04:55
29	08:33 17:02		07:16 20:04	05:59 21:05	05:05 21:58	21:12-21:22/10 04:55
30	08:31 17:04		07:13 20:06	05:57 21:07	05:04 22:00	21:12-21:24/12 04:56
31	08:29 17:06		07:10 20:08		05:03 22:01	21:12-21:25/13 04:56
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	0	81	222	0	54	1083

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k.,

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Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 5 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57 21:16-21:39/23	05:40	06:38	07:35	07:37	08:35
	22:18 05:39-05:56/17	21:40	20:29	19:12	16:58	16:10
2	04:57 21:17-21:39/22	05:41	06:40	07:37	07:39	08:37
	22:18 05:40-05:56/16	21:38	20:27	19:10	16:56	16:09
3	04:58 21:17-21:40/23	05:43	06:42	07:38	08:26-08:34/8	07:41
	22:17 05:42-05:55/13	21:36	20:24	19:07	16:54	16:08
4	04:59 21:17-21:38/21	05:45	06:43	07:40	08:24-08:36/12	07:43
	22:17 05:43-05:54/11	21:34	20:22	19:04	16:51	16:07
5	05:00 21:17-21:38/21	05:47	06:45	07:42	08:22-08:37/15	07:45
	22:16 05:44-05:52/8	21:32	20:19	19:02	16:49	16:07
6	05:01 21:17-21:38/21	05:49	06:47	07:44	08:21-08:38/17	07:47
	22:15 05:48-05:49/1	21:30	20:17	18:59	16:47	16:06
7	05:02 21:18-21:37/19	05:51	06:49	07:46	08:20-08:44/24	07:49
	22:15	21:28	20:14	18:57	16:45	16:06
8	05:03 21:18-21:36/18	05:52	06:51	07:48	08:19-08:46/27	07:51
	22:14	21:26	20:12	18:54	16:44	16:05
9	05:04 21:18-21:35/17	05:54	06:53	07:50	08:19-08:48/29	07:53
	22:13	21:24	20:09	18:52	16:42	16:05
10	05:06 21:19-21:35/16	05:56	06:55	07:52	08:20-08:48/28	07:55
	22:12	21:21	20:06	18:49	16:40	16:04
11	05:07 21:19-21:34/15	05:58	06:57	07:54	08:22-08:49/27	07:57
	22:11	21:19	20:04	18:47	16:38	16:04
12	05:08 21:20-21:34/14	06:00	06:59	07:56	08:24-08:49/25	07:59
	22:10	21:17	20:01	18:44	16:36	16:04
13	05:09 21:20-21:33/13	06:02	07:00	07:58	08:26-08:48/22	08:01
	22:09	21:15	19:59	18:42	16:34	16:04
14	05:11 21:21-21:31/10	06:04	07:02	08:00	08:28-08:48/20	08:03
	22:08	21:13	19:56	18:39	16:33	16:04
15	05:12 21:21-21:30/9	06:06	07:04	08:02	08:31-08:48/17	08:05
	22:07	21:10	19:54	18:37	16:31	16:04
16	05:13 21:22-21:30/8	06:07	07:06	08:04	08:33-08:47/14	08:07
	22:05	21:08	19:51	18:34	16:29	16:04
17	05:15 21:23-21:28/5	06:09	07:08	08:06	08:35-08:46/11	08:09
	22:04	21:06	19:48	18:32	16:28	16:04
18	05:16 21:24-21:27/3	06:11	07:10	08:08	08:37-08:45/8	08:11
	22:03	21:03	19:46	18:30	16:26	16:04
19	05:18	06:13	07:12	08:10	08:39-08:42/3	08:13
	22:02	21:01	19:43	18:27	16:24	16:04
20	05:19	06:15	07:14	08:12	08:15	08:58
	22:00	20:59	19:41	18:25	16:23	16:04
21	05:21	06:17	07:16	08:14	08:17	08:58
	21:59	20:56	19:38	18:22	16:22	16:05
22	05:22	06:19	07:17	08:16	08:19	08:59
	21:57	20:54	19:35	18:20	16:20	16:05
23	05:24	06:21	07:19	08:18	08:21	08:59
	21:56	20:52	19:33	18:18	16:19	16:06
24	05:26	06:23	07:21	08:20	08:23	09:00
	21:54	20:49	19:30	18:15	16:17	16:06
25	05:27	06:24	07:23	07:22	08:25	09:00
	21:52	20:47	19:28	17:13	16:16	16:07
26	05:29	06:26	07:25	07:24	08:26	09:01
	21:51	20:44	19:25	17:11	16:15	16:08
27	05:31	06:28	07:27	07:26	08:28	09:01
	21:49	20:42	19:22	17:09	16:14	16:09
28	05:33	06:30	07:29	07:28	08:30	09:01
	21:47	20:39	19:20	17:06	16:13	16:09
29	05:34	06:32	07:31	07:30	08:32	09:01
	21:45	20:37	19:17	17:04	16:12	16:10
30	05:36	06:34	07:33	07:32	08:33	09:01
	21:44	20:34	19:15	17:02	16:11	16:11
31	05:38	06:36		07:35		09:01
	21:42	20:32		17:00		16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	344	0	0	307	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)**Assumptions for shadow calculations**

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01 16:14	08:27 15:16-16:02/46 17:08	07:27 15:28-15:51/23 18:07	07:08 07:41-08:01/20 20:10	05:55 06:23-06:46/23 21:09	05:02 05:37-06:01/24 22:02
2	09:00 16:15	08:26 15:15-16:03/48 17:10	07:24 15:33-15:47/14 18:09	07:05 07:41-08:01/20 20:11	05:53 06:22-06:47/25 21:10	05:01 05:38-06:02/24 22:04
3	09:00 16:16	08:24 15:15-16:03/48 17:12	07:22 18:11	07:03 07:42-07:59/17 20:13	05:51 06:21-06:48/27 21:12	05:00 05:37-06:02/25 22:05
4	09:00 16:18	08:22 15:15-16:04/49 17:15	07:19 18:14	07:00 07:43-07:58/15 20:15	05:49 06:21-06:48/27 21:14	04:59 05:37-06:02/25 22:06
5	08:59 16:19	08:20 15:13-16:04/51 17:17	07:17 18:16	06:58 07:44-07:55/11 20:17	05:46 06:20-06:48/28 21:16	04:58 05:37-06:02/25 22:07
6	08:59 16:20	08:18 15:13-16:05/52 17:19	07:14 18:18	06:55 20:19	05:44 06:20-06:48/28 21:18	04:57 05:38-06:03/25 22:08
7	08:58 16:22	08:16 15:13-16:05/52 17:21	07:12 18:20	06:53 20:21	05:42 06:19-06:48/29 21:20	04:56 05:38-06:03/25 22:09
8	08:58 16:23	08:14 15:13-16:06/53 17:23	07:09 18:22	06:50 20:23	05:40 06:19-06:48/29 21:22	04:56 05:38-06:04/26 22:10
9	08:57 16:25	08:12 15:13-16:07/54 17:25	07:07 18:24	06:48 20:25	05:38 06:19-06:48/29 21:24	04:55 05:38-06:03/25 22:11
10	08:57 16:26	08:10 15:13-16:07/54 17:27	07:04 18:26	06:45 20:27	05:36 06:19-06:48/29 21:26	04:55 05:39-06:04/25 22:12
11	08:56 16:28	08:08 15:12-16:07/55 17:29	07:02 18:28	06:43 20:29	05:34 06:20-06:48/28 21:28	04:54 05:38-06:03/25 22:13
12	08:55 16:30	08:06 15:12-16:07/55 17:32	06:59 18:30	06:40 20:31	05:32 06:20-06:48/28 21:30	04:54 05:39-06:04/25 22:14
13	08:54 16:31	08:04 15:13-16:07/54 17:34	06:57 18:32	06:38 20:33	05:30 06:20-06:47/27 21:31	04:53 05:39-06:04/25 22:15
14	08:53 16:33	08:01 15:12-16:07/55 17:36	06:54 18:34	06:35 20:35	05:29 06:21-06:47/26 21:33	04:53 05:40-06:05/25 22:15
15	08:52 16:35	07:59 15:13-16:07/54 17:38	06:52 18:36	06:33 20:37	05:27 06:21-06:46/25 21:35	04:53 05:39-06:04/25 22:16
16	08:51 16:37	07:57 15:13-16:07/54 17:40	06:49 18:38	06:30 20:39	05:25 06:21-06:45/24 21:37	04:52 05:39-06:04/25 22:17
17	08:50 16:38	07:55 15:13-16:06/53 17:42	06:46 18:40	06:28 20:41	05:23 06:22-06:45/23 21:39	04:52 05:40-06:05/25 22:17
18	08:49 16:40	07:53 15:14-16:06/52 17:44	06:44 18:42	06:25 20:43	05:21 06:23-06:44/21 21:40	04:52 05:40-06:05/25 22:18
19	08:48 16:42	07:50 15:14-16:06/52 17:46	06:41 18:44	06:23 20:45	05:20 06:24-06:43/19 21:42	04:52 05:40-06:05/25 22:18
20	08:46 16:44	07:48 15:14-16:05/51 17:49	06:39 18:46	06:20 20:47	05:18 05:48-05:51/3 21:44	04:52 05:40-06:05/25 22:18
21	08:45 15:31-15:41/10 16:46	07:46 15:16-16:04/48 17:51	06:36 18:48	06:18 20:49	05:17 05:47-05:54/7 21:46	04:52 05:41-06:06/25 22:19
22	08:44 15:28-15:45/17 16:48	07:43 15:16-16:03/47 17:53	06:34 18:50	06:16 20:51	05:15 05:46-05:56/10 21:47	04:53 05:41-06:06/25 22:19
23	08:42 15:25-15:47/22 16:50	07:41 15:17-16:02/45 17:55	06:31 18:52	06:13 20:53	05:13 05:44-05:56/12 21:49	04:53 05:41-06:06/25 22:19
24	08:41 15:24-15:50/26 16:52	07:39 15:18-16:01/43 17:57	06:28 06:53-07:00/7 18:54	06:11 20:55	05:12 05:43-05:57/14 21:50	04:53 05:41-06:06/25 22:19
25	08:39 15:22-15:52/30 16:54	07:36 15:20-16:00/40 17:59	06:26 06:50-07:01/11 18:56	06:09 20:57	05:11 05:42-05:59/17 21:52	04:53 05:42-06:07/25 22:19
26	08:38 15:21-15:54/33 16:56	07:34 15:22-15:59/37 18:01	06:23 06:48-07:03/15 18:58	06:06 20:59	05:09 05:41-05:59/18 21:54	04:54 05:41-06:06/25 22:19
27	08:36 15:19-15:55/36 16:58	07:31 15:23-15:56/33 18:03	06:21 06:45-07:03/18 19:00	06:04 21:01	06:31-06:39/8 21:55	05:08 05:39-05:59/20 22:19
28	08:34 15:19-15:57/38 17:00	07:29 15:26-15:55/29 18:05	06:18 06:43-07:03/20 19:02	06:02 21:03	06:28-06:42/14 21:57	05:07 05:38-06:00/22 22:19
29	08:33 15:18-15:58/40 17:02		07:16 07:41-08:03/22 20:04	05:59 21:05	06:26-06:44/18 21:58	05:05 05:37-06:00/23 22:19
30	08:31 15:17-16:00/43 17:04		07:13 07:41-08:02/21 20:06	05:57 21:07	06:24-06:45/21 21:59	05:04 05:37-06:01/24 22:18
31	08:29 15:17-16:01/44 17:06		07:10 07:41-08:02/21 20:08		05:03 05:37-06:01/24 22:01	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	339	1364	172	144	734	750

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 05:42-06:08/26 22:18	05:40 06:30-06:58/28 21:40	06:38 06:30-06:59/29 20:29	07:35 06:40-07:50/10 19:12	07:37 14:42-15:36/54 16:58	08:35 16:10-16:10 16:10
2	04:58 05:43-06:08/25 22:17	05:41 06:30-06:59/29 21:38	06:40 06:29-06:58/29 20:27	07:37 06:40-07:50/10 19:10	07:39 14:42-15:36/54 16:56	08:37 16:09-16:09 16:09
3	04:59 05:43-06:09/26 22:17	05:43 06:29-06:58/29 21:36	06:42 06:29-06:58/29 20:24	07:38 06:40-07:50/10 19:07	07:41 14:43-15:36/53 16:54	08:38 16:08-16:08 16:08
4	04:59 05:44-06:09/25 22:16	05:45 06:29-06:58/29 21:34	06:43 06:29-06:58/29 20:22	07:40 06:40-07:50/10 19:04	07:43 14:43-15:35/52 16:52	08:40 16:08-16:08 16:08
5	05:00 05:44-06:09/25 22:16	05:47 06:30-06:59/29 21:32	06:45 06:29-06:58/29 20:19	07:42 06:40-07:50/10 19:02	07:45 14:44-15:35/51 16:50	08:41 16:07-16:07 16:07
6	05:01 05:44-06:10/26 22:15	05:49 06:29-06:58/29 21:30	06:47 06:29-06:58/29 20:17	07:44 06:40-07:50/10 18:59	07:47 14:44-15:35/51 16:48	08:43 16:06-16:06 16:06
7	05:02 05:43-06:09/26 22:14	05:51 06:29-06:58/29 21:28	06:49 06:29-06:58/29 20:14	07:46 07:40-07:50/10 18:57	07:49 14:44-15:34/50 16:46	08:44 16:06-16:06 16:06
8	05:03 05:44-06:09/25 22:14	05:52 06:30-06:58/28 21:26	06:51 07:37-07:52/15 20:12	07:48 07:37-07:52/15 18:54	07:51 14:45-15:33/48 16:44	08:45 16:05-16:05 16:05
9	05:05 05:45-06:10/25 22:13	05:54 06:30-06:57/27 21:23	06:53 07:36-07:53/17 20:09	07:50 07:36-07:53/17 18:52	07:53 14:46-15:33/47 16:42	08:47 16:05-16:05 16:05
10	05:06 05:45-06:10/25 22:12	05:56 06:30-06:56/26 21:21	06:55 07:35-07:54/19 20:06	07:52 07:35-07:54/19 18:49	07:55 14:47-15:32/45 16:40	08:48 16:05-16:05 16:05
11	05:07 05:45-06:10/25 22:11	05:58 06:31-06:55/24 21:19	06:57 07:34-07:55/21 20:04	07:54 16:11-16:16/5 18:47	07:57 14:48-15:31/43 16:38	08:49 16:04-16:04 16:04
12	05:08 05:45-06:10/25 22:10	06:00 06:32-06:54/22 21:17	06:59 07:32-07:54/22 20:01	07:56 16:04-16:22/18 18:44	07:59 14:48-15:30/42 16:36	08:50 16:04-16:04 16:04
13	05:09 05:45-06:09/24 22:09	06:02 06:33-06:53/20 21:15	07:00 07:32-07:54/22 19:59	07:58 16:00-16:25/25 18:42	08:01 14:50-15:30/40 16:34	08:51 16:04-16:04 16:04
14	05:11 05:46-06:09/23 22:08	06:04 06:34-06:51/17 21:12	07:02 07:32-07:53/21 19:56	08:00 15:57-16:28/31 18:39	08:03 14:51-15:29/38 16:33	08:53 16:04-16:04 16:04
15	05:12 05:47-06:09/22 22:07	06:06 06:36-06:49/13 21:10	07:04 07:32-07:53/21 19:53	08:02 15:54-16:29/35 18:37	08:05 14:52-15:28/36 16:31	08:54 16:04-16:04 16:04
16	05:14 05:48-06:09/21 22:05	06:07 06:40-06:45/5 21:08	07:06 07:34-07:52/18 19:51	08:04 15:52-16:30/38 18:34	08:07 14:54-15:26/32 16:29	08:54 16:04-16:04 16:04
17	05:15 05:49-06:08/19 22:04	06:09 06:09 21:06	07:08 07:36-07:51/15 19:48	08:06 15:51-16:32/41 18:32	08:09 14:56-15:26/30 16:28	08:55 16:04-16:04 16:04
18	05:16 05:51-06:08/17 22:03	06:11 06:11 21:03	07:10 07:37-07:49/12 19:46	08:08 15:49-16:33/44 18:30	08:11 14:58-15:24/26 16:26	08:56 16:04-16:04 16:04
19	05:18 05:52-06:08/16 22:01	06:13 06:13 21:01	07:12 07:39-07:47/8 19:43	08:10 15:48-16:34/46 18:27	08:13 15:00-15:22/22 16:25	08:57 16:04-16:04 16:04
20	05:19 05:53-06:06/13 22:00	06:15 06:15 20:59	07:14 07:41-07:44/3 19:40	08:12 15:47-16:34/47 18:25	08:15 15:03-15:20/17 16:23	08:58 16:05-16:05 16:05
21	05:21 05:55-06:06/11 21:58	06:17 06:17 20:56	07:16 06:17 19:38	08:14 15:46-16:35/49 18:23	08:17 15:06-15:16/10 16:22	08:58 16:05-16:05 16:05
22	05:23 05:56-06:04/8 21:57	06:19 06:19 20:54	07:17 06:19 19:35	08:16 15:45-16:35/50 18:20	08:19 16:20 16:20	08:59 16:05-16:05 16:05
23	05:24 05:58-06:03/5 21:55	06:21 06:21 20:51	07:19 06:21 19:33	08:18 15:44-16:35/51 18:18	08:21 16:19 16:19	08:59 16:06-16:06 16:06
24	05:26 06:35-06:52/17 21:54	06:23 06:23 20:49	07:21 06:23 19:30	08:20 15:44-16:36/52 18:16	08:23 16:18 16:18	09:00 16:07-16:07 16:07
25	05:28 06:34-06:54/20 21:52	06:25 06:25 20:47	07:23 06:25 19:28	07:22 14:43-15:36/53 17:13	08:24 16:16 16:16	09:00 16:07-16:07 16:07
26	05:29 06:33-06:54/21 21:50	06:26 06:26 20:44	07:25 06:26 19:25	07:24 14:42-15:36/54 17:11	08:26 16:15 16:15	09:00 16:08-16:08 16:08
27	05:31 06:32-06:56/24 21:49	06:28 06:28 20:42	07:27 06:27 19:22	07:26 14:42-15:36/54 17:09	08:28 16:14 16:14	09:01 16:09-16:09 16:09
28	05:33 06:31-06:56/25 21:47	06:30 06:30 20:39	07:29 06:29 19:20	07:28 14:41-15:36/55 17:06	08:30 16:13 16:13	09:01 16:10-16:10 16:10
29	05:34 06:31-06:57/26 21:45	06:32 06:32 20:37	07:31 06:31 19:17	07:30 14:42-15:37/55 17:04	08:32 16:12 16:12	09:01 16:11-16:11 16:11
30	05:36 06:31-06:58/27 21:43	06:34 06:34 20:34	07:33 06:33 19:15	07:32 14:42-15:37/55 17:02	08:33 16:11 16:11	09:01 16:12-16:12 16:12
31	05:38 06:30-06:57/27 21:42	06:36 06:36 20:32	07:34 06:36 19:15	07:34 14:42-15:36/54 17:00	09:01 16:13 16:13	09:01 16:13-16:13 16:13
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	707	384	224	912	841	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset. Summary rows at the bottom show 'Potential sun hours' and 'Sum of minutes with flicker' for each month.

Table layout: For each day in each month the following matrix apply

Matrix with 2 rows and 3 columns: Day in month, Sun rise (hh:mm) / Sun set (hh:mm), First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker.

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains sun rise and set times for that day. Includes summary rows for 'Potential sun hours' and 'Sum of minutes with flicker'.

Table layout: For each day in each month the following matrix apply

Matrix with 2 rows and 3 columns: Day in month, Sun rise (hh:mm) / Sun set (hh:mm), First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker.

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 8 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	January	February	March	April	May	June
1	09:00	08:27 15:49-16:21/32	07:26 17:32-17:39/7	07:08	05:55	05:01
	16:14	17:08	18:07	20:09	21:08	22:02
2	09:00	08:25 15:48-16:21/33	07:24 17:28-17:41/13	07:05	05:52	05:00
	16:15	17:10	18:09	20:11	21:10	22:03
3	09:00	08:23 15:48-16:22/34	07:21 17:27-17:43/16	07:02	05:50	04:59
	16:16	17:12	18:11	20:13	21:12	22:04
4	08:59	08:22 15:48-16:22/34	07:19 17:25-17:45/20	07:00	05:48	04:59
	16:17	17:14	18:13	20:15	21:14	22:06
5	08:59	08:20 15:49-16:22/33	07:16 17:23-17:46/23	06:57	05:46	04:58
	16:19	17:16	18:15	20:17	21:16	22:07
6	08:59	08:18 15:49-16:23/34	07:14 17:23-17:47/24	06:55	05:44	04:57
	16:20	17:18	18:17	20:19	21:18	22:08
7	08:58	08:16 15:49-16:23/34	07:11 17:21-17:47/26	06:52	05:42	04:56
	16:21	17:21	18:19	20:21	21:20	22:09
8	08:58	08:14 15:50-16:23/33	07:09 17:21-17:48/27	06:50	05:40	04:55
	16:23	17:23	18:21	20:23	21:22	22:10
9	08:57	08:12 15:49-16:22/33	07:06 17:21-17:47/26	06:47	05:38	04:55
	16:24	17:25	18:23	20:25	21:24	22:11
10	08:56	08:10 15:50-16:21/31	07:04 17:21-17:48/27	06:45	05:36	04:54
	16:26	17:27	18:25	20:27	21:25	22:12
11	08:55	08:07 15:51-16:21/30	07:01 17:21-17:47/26	06:42	05:34	04:54
	16:28	17:29	18:27	20:29	21:27	22:13
12	08:55	08:05 15:52-16:21/29	06:59 17:20-17:46/26	06:40	05:32	04:53
	16:29	17:31	18:29	20:31	21:29	22:14
13	08:54	08:03 15:53-16:19/26	06:56 17:21-17:45/24	06:37	05:30	04:53
	16:31	17:33	18:31	20:33	21:31	22:14
14	08:53	08:01 15:54-16:18/24	06:54 17:22-17:44/22	06:35	05:28	04:53
	16:33	17:35	18:33	20:35	21:33	22:15
15	08:52	07:59 15:56-16:17/21	06:51 17:23-17:43/20	06:32	05:26	04:52
	16:34	17:38	18:35	20:37	21:35	22:16
16	08:51	07:57 15:58-16:14/16	06:49 17:25-17:40/15	06:30	05:25	04:52
	16:36	17:40	18:37	20:39	21:36	22:16
17	08:50	07:54 16:01-16:11/10	06:46 17:27-17:37/10	06:27	05:23	04:52
	16:38	17:42	18:39	20:41	21:38	22:17
18	08:48	07:52 17:40	06:44	06:25	05:21	04:52
	16:40	17:44	18:41	20:43	21:40	22:17
19	08:47	07:50	06:41	06:22	05:19	04:52
	16:42	17:46	18:43	20:45	21:42	22:18
20	08:46	07:48	06:38	06:20	05:18	04:52
	16:44	17:48	18:45	20:47	21:43	22:18
21	08:45	07:45	06:36	06:18	05:16	04:52
	16:45	17:50	18:47	20:49	21:45	22:18
22	08:43 15:58-16:08/10	07:43	06:33	06:15	05:15	04:52
	16:47	17:52	18:49	20:51	21:47	22:18
23	08:42 15:55-16:10/15	07:41	06:31	06:13	05:13	04:52
	16:49	17:54	18:51	20:52	21:48	22:19
24	08:40 15:54-16:12/18	07:38	06:28	06:11	05:12	04:53
	16:51	17:57	18:53	20:54	21:50	22:19
25	08:39 15:53-16:15/22	07:36	06:26	06:08	05:10	04:53
	16:53	17:59	18:55	20:56	21:52	22:19
26	08:37 15:52-16:16/24	07:33	06:23	06:06	05:09	04:54
	16:55	18:01	18:57	20:58	21:53	22:19
27	08:36 15:51-16:17/26	07:31	06:20	06:04	05:07	04:54
	16:57	18:03	18:59	21:00	21:55	22:19
28	08:34 15:50-16:18/28	07:29	06:18	06:01	05:06	04:55
	16:59	18:05	19:01	21:02	21:56	22:18
29	08:32 15:50-16:19/29		07:15	05:59	05:05	04:55
	17:02		20:03	21:04	21:58	22:18
30	08:31 15:49-16:19/30		07:13	05:57	05:04	04:56
	17:04		20:05	21:06	21:59	22:18
31	08:29 15:49-16:20/31		07:10		05:03	
	17:06		20:07		22:00	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	233	487	352	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138WTG: 8 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)**Assumptions for shadow calculations**Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:17	05:39 21:39	06:37 20:29	07:34 18:01-18:25/24 19:12	07:36 15:20-15:51/31 16:57	08:35 16:10
2	04:57 22:17	05:41 21:37	06:39 20:26	07:36 18:00-18:26/26 19:09	07:38 15:19-15:51/32 16:55	08:36 16:09
3	04:58 22:17	05:43 21:35	06:41 20:24	07:38 17:59-18:26/27 19:07	07:40 15:19-15:52/33 16:53	08:38 16:08
4	04:59 22:16	05:45 21:33	06:43 20:21	07:40 17:59-18:25/26 19:04	07:42 15:19-15:52/33 16:51	08:39 16:07
5	05:00 22:15	05:47 21:31	06:45 20:19	07:42 17:57-18:24/27 19:01	07:44 15:19-15:52/33 16:49	08:41 16:07
6	05:01 22:15	05:48 21:29	06:47 20:16	07:44 17:57-18:23/26 18:59	07:46 15:18-15:52/34 16:47	08:42 16:06
7	05:02 22:14	05:50 21:27	06:49 20:14	07:46 17:57-18:23/26 18:56	07:49 15:19-15:53/34 16:45	08:44 16:05
8	05:03 22:13	05:52 21:25	06:51 20:11	07:48 17:59-18:23/24 18:54	07:51 15:19-15:52/33 16:43	08:45 16:05
9	05:04 22:12	05:54 21:23	06:53 20:09	07:50 17:59-18:22/23 18:51	07:53 15:19-15:52/33 16:41	08:46 16:04
10	05:05 22:11	05:56 21:21	06:54 20:06	07:52 18:00-18:19/19 18:49	07:55 15:19-15:51/32 16:39	08:48 16:04
11	05:07 22:11	05:58 21:19	06:56 20:03	07:54 18:01-18:16/15 18:46	07:57 15:21-15:52/31 16:38	08:49 16:04
12	05:08 22:09	06:00 21:17	06:58 20:01	07:56 18:03-18:14/11 18:44	07:59 15:21-15:51/30 16:36	08:50 16:04
13	05:09 22:08	06:01 21:14	07:00 19:58	07:58 18:41	08:01 15:22-15:50/28 16:34	08:51 16:03
14	05:10 22:07	06:03 21:12	07:02 19:56	08:00 18:39	08:03 15:22-15:50/28 16:32	08:52 16:03
15	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 15:24-15:50/26 16:31	08:53 16:03
16	05:13 22:05	06:07 21:08	07:06 19:50	08:04 18:34	08:07 15:25-15:49/24 16:29	08:54 16:03
17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 15:26-15:48/22 16:27	08:55 16:03
18	05:16 22:02	06:11 21:03	07:09 19:45	08:08 18:29	08:11 15:28-15:46/18 16:26	08:56 16:04
19	05:18 22:01	06:13 21:01	07:11 19:43	08:10 18:27	08:13 15:29-15:44/15 16:24	08:56 16:04
20	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:24	08:15 15:33-15:43/10 16:23	08:57 16:04
21	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	05:22 21:57	06:18 20:53	07:17 19:35	08:16 18:20	08:19 16:20	08:58 16:05
23	05:24 21:55	06:20 20:51	07:19 19:32	08:18 18:17	08:20 16:19	08:59 16:06
24	05:25 21:53	06:22 20:49	07:21 19:30	08:20 18:15	08:22 16:17	08:59 16:06
25	05:27 21:52	06:24 20:46	07:23 19:27	07:22 15:30-15:42/12 17:13	08:24 16:16	09:00 16:07
26	05:29 21:50	06:26 20:44	07:25 18:11-18:18/7 19:25	07:24 15:28-15:45/17 17:11	08:26 16:15	09:00 16:08
27	05:31 21:48	06:28 20:41	07:27 18:07-18:21/14 19:22	07:26 15:25-15:47/22 17:08	08:28 16:14	09:00 16:08
28	05:32 21:47	06:30 20:39	07:28 18:05-18:23/18 19:19	07:28 15:23-15:48/25 17:06	08:29 16:13	09:00 16:09
29	05:34 21:45	06:32 20:36	07:30 18:03-18:24/21 19:17	07:30 15:22-15:49/27 17:04	08:31 16:12	09:00 16:10
30	05:36 21:43	06:34 20:34	07:32 18:02-18:25/23 19:14	07:32 15:22-15:50/28 17:02	08:33 16:11	09:00 16:11
31	05:38 21:41	06:36 20:31		07:34 15:21-15:51/30 17:00		09:00 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	0	0	83	435	560	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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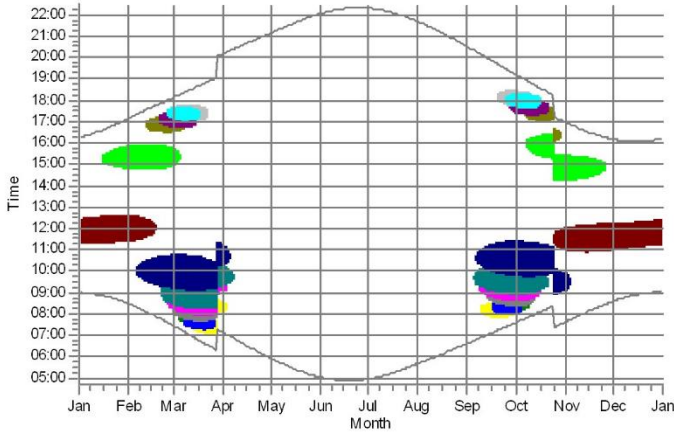
Calculated:

2021.11.30 10:39/3.5.552

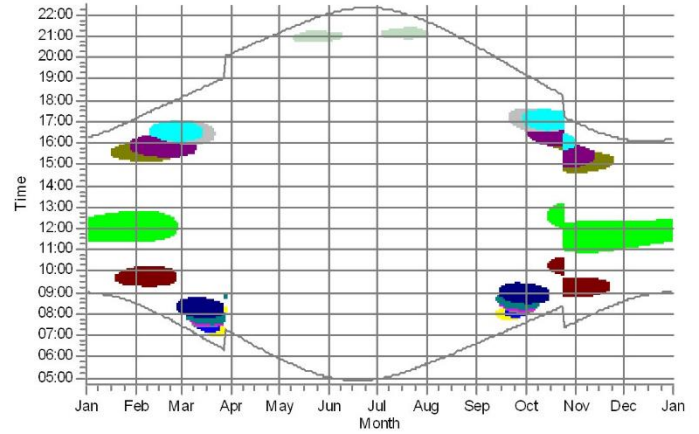
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138

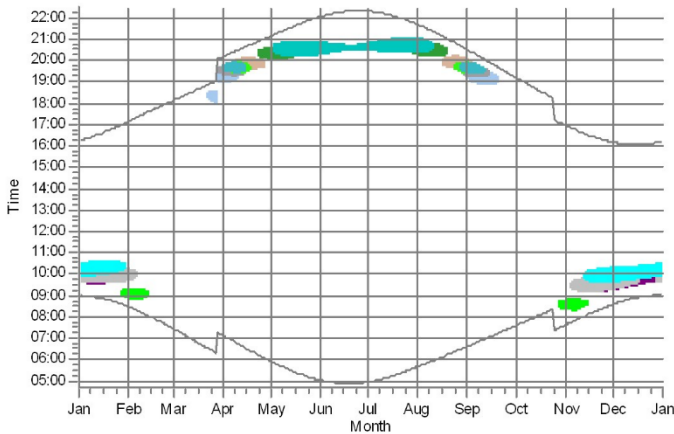
1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)



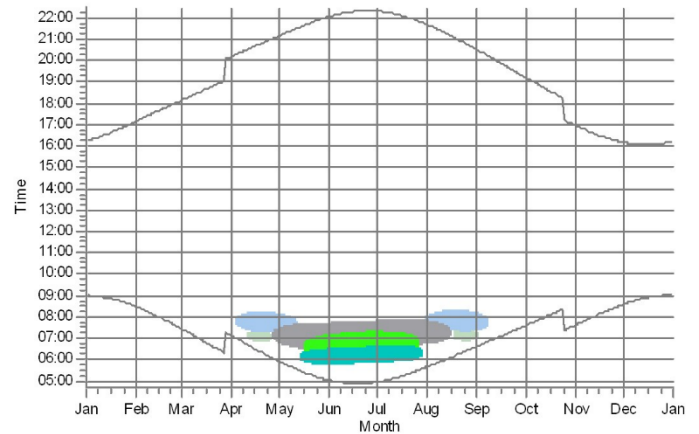
2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)



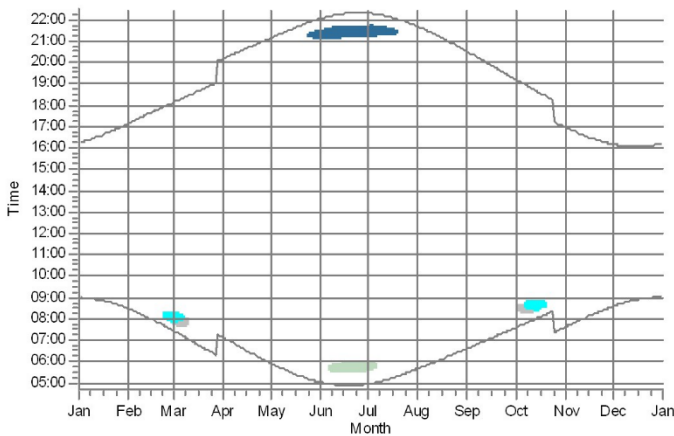
3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)



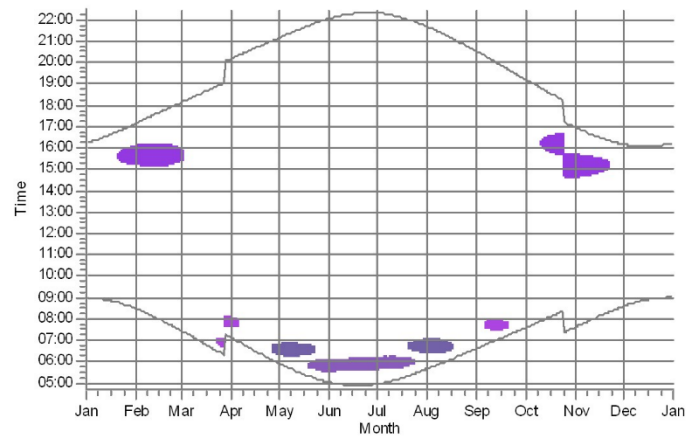
4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)



5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)



6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)



Shadow receptors

A: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)
 B: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63)
 C: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
 D: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)
 E: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)
 F: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)
 G: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68)
 H: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)
 I: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)

J: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)
 K: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)
 L: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)
 M: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (74)
 N: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)
 O: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
 P: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)
 Q: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)
 R: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79)

S: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)
 T: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
 U: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)
 V: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83)
 W: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104)
 AR: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105)
 AS: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106)
 AT: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīo (Ģilutēs raj. sav. Usēno ir Juknaiēno sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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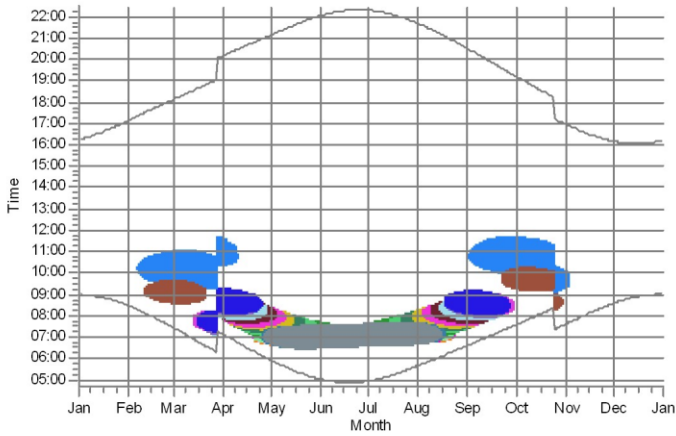
Calculated:

2021.11.30 10:39/3.5.552

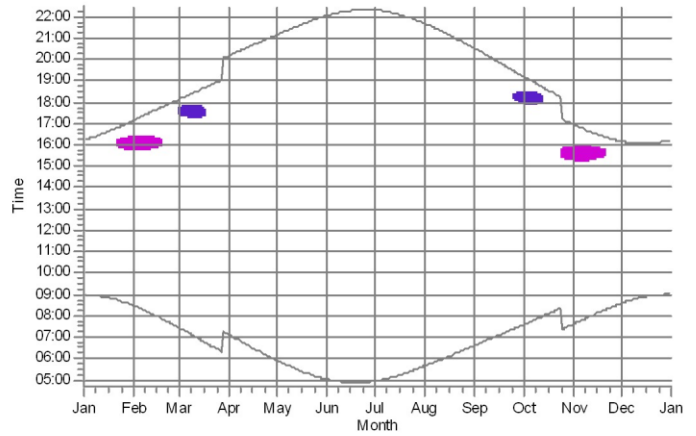
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)



8: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)



Shadow receptors

W: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84)
 X: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)
 Y: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)
 Z: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)
 AA: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)
 AB: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (89)
 AC: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)

AD: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)
 AE: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92)
 AF: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)
 AG: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)
 AH: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)
 AI: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96)
 AJ: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97)

AK: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
 AL: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)
 AM: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)
 AN: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)
 AO: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)
 AP: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)

Project:

8 VE Īilutės r.

Description:

Vėjo elektriniū (Īilutės raj. sav. Usėnū ir Juknaiėū sen.: Kavoliū, Stremeniū, Kūgeliū, Okslindpiū, Skieriū bei Menklaukiū kaimuose) statyba ir eksploatacija

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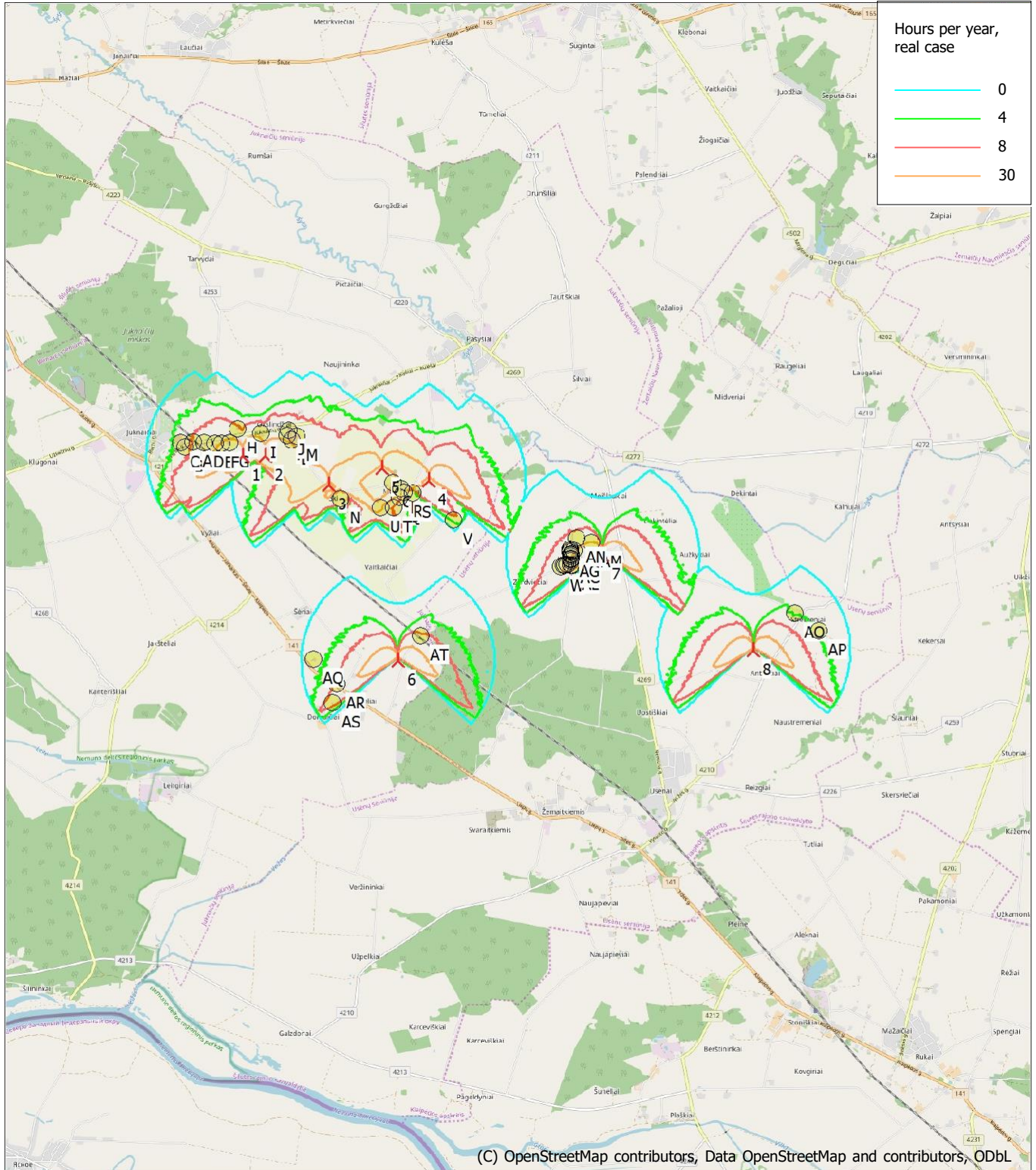
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.11.30 10:39/3.5.552

SHADOW - Map

Calculation: Enercon E138



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL



Map: EMD OpenStreetMap , Print scale 1:100.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.580 North: 6.127.900

New WTG

Shadow receptor

Flicker map level: Height Contours: CONTOURLINE_8 VE Īilutės r_0.wpo (1)

Time step: 3 minutes, Day step: 7 days, Map resolution: 20 m, Visibility resolution: 10 m, Eye height: 1,5 m

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 shut down

Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

Flicker curtailment according to specified plan

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Height Contours: CONTOURLINE_8 VE Ėilutės r_0.wpo

Obstacles used in calculation

Receptor grid resolution: 1,0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

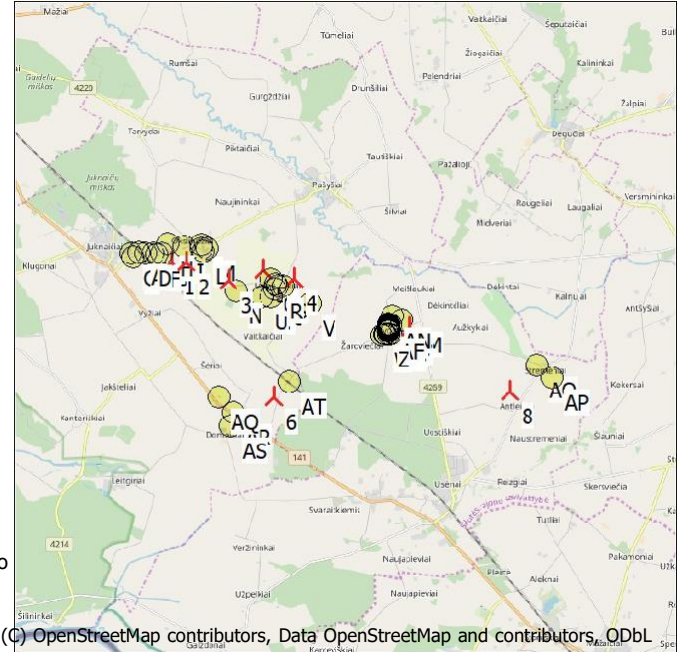
WTGs

	Y	X	Z	Row data/Description	WTG type			Shadow data					
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM	
			[m]										
1	347.959	6.130.426	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
2	348.347	6.130.399	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
3	349.441	6.129.870	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
4	351.193	6.129.888	14,5	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
5	350.375	6.130.124	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
6	350.546	6.126.757	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
7	354.189	6.128.475	20,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	
8	356.778	6.126.724	19,1	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0	

Shadow receptor-Input

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
A	347.094	6.130.693	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
B	346.953	6.130.603	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
C	346.888	6.130.681	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
D	347.290	6.130.678	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
E	347.483	6.130.653	10,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
F	347.592	6.130.646	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
G	347.734	6.130.663	11,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
H	347.883	6.130.901	13,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
I	348.287	6.130.811	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
J	348.782	6.130.851	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
K	348.756	6.130.753	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
L	348.822	6.130.676	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
M	348.913	6.130.737	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
N	349.644	6.129.613	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
O	350.562	6.129.862	10,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
P	350.707	6.129.756	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Q	350.664	6.129.608	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
R	350.753	6.129.689	12,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
S	350.909	6.129.678	13,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0

To be continued on next page...



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000

New WTG

Shadow receptor

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 shut down

...continued from previous page

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
T	350.561	6.129.434	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
U	350.332	6.129.441	10,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
V	351.604	6.129.188	16,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
W	353.453	6.128.301	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
X	353.509	6.128.319	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Y	353.532	6.128.326	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Z	353.556	6.128.333	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AA	353.630	6.128.393	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AB	353.629	6.128.419	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AC	353.628	6.128.442	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AD	353.629	6.128.469	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AE	353.629	6.128.493	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AF	353.629	6.128.519	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AG	353.628	6.128.547	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AH	353.629	6.128.576	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AI	353.627	6.128.607	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AJ	353.687	6.128.582	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AK	353.621	6.128.318	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AL	353.662	6.128.322	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AM	353.996	6.128.697	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AN	353.751	6.128.788	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AO	357.524	6.127.357	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AP	357.932	6.127.034	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AQ	349.081	6.126.826	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AR	349.464	6.126.383	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AS	349.383	6.126.053	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AT	350.960	6.127.173	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0

Calculation Results

Shadow receptor

Shadow, expected values

No.	Shadow hours per year [h/year]	Avoided hours per year [h/year]
A*	3:43	5:20
AA*	4:23	34:33
AB*	5:27	28:40
AC*	5:38	25:31
AD*	5:46	22:51
AE*	5:16	21:06
AF*	4:30	19:39
AG*	3:48	18:23
AH*	4:29	16:00
AI*	5:38	13:07
AJ*	4:28	20:27
AK*	1:01	42:34
AL*	0:59	44:58
AM*	6:29	29:59
AN*	2:52	12:00
AO*	2:34	1:05
AP	3:46	
AQ	2:47	
AR*	6:36	2:50
AS*	6:30	3:09
AT*	7:03	2:09
B*	3:45	2:52
C*	3:57	1:54
D*	1:45	12:44
E*	5:26	19:33
F*	7:47	26:40
G*	5:29	38:06
H*	3:00	7:48
I*	4:41	12:28

To be continued on next page...

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 shut down*...continued from previous page*

Shadow, expected values

No.	Shadow hours per year [h/year]	Avoided hours per year [h/year]
J*	4:14	11:40
K*	3:52	17:48
L*	3:52	22:32
M*	4:06	15:59
N*	4:52	8:22
O*	7:10	20:50
P*	7:57	46:21
Q*	2:21	19:32
R*	2:15	27:40
S*	0:50	2:07
T*	0:14	7:27
U*	1:33	32:49
V*	4:35	1:50
W*	2:15	18:55
X*	2:00	24:16
Y*	1:56	27:11
Z*	1:53	31:27

** Receptors where shadow flicker is reduced by curtailment*

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Stopped due to flicker curtailment [h/year]	Expected [h/year]
1	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)	158:11	353:39	23:40
2	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)	99:08	308:56	8:39
3	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)	96:42	72:03	13:45
4	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)	38:58	172:29	17:56
5	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)	15:46	19:05	6:13
6	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)	85:19	24:12	22:58
7	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)	90:24	380:13	27:31
8	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)	26:53	8:57	6:20

*Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.**The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.*

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: A - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: B - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:08	07:08 20:10	05:55 21:09	05:02 22:03	04:57 22:18	05:40 21:40	06:38 20:30	07:35 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:10	07:06 20:12	05:53 21:11	05:01 22:04	04:58 22:18	05:42 21:38	06:40 20:27	07:37 19:10	07:39 16:56	08:37 16:09
3	09:01 16:16	08:24 17:13	07:22 18:12	07:03 20:14	05:51 21:13	05:00 22:05	04:59 22:17	05:43 21:36	06:42 20:25	07:39 19:07	07:41 16:54	08:39 16:08
4	09:00 16:18	08:22 17:15	07:20 18:14	07:00 20:16	05:49 21:15	04:59 22:06	04:59 22:17	05:45 21:34	06:44 20:22	07:41 19:05	07:43 16:52	08:40 16:08
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:18	05:46 21:17	04:58 22:08	05:00 22:16	05:47 21:32	06:46 20:19	07:43 19:02	07:45 16:50	08:42 16:07
6	08:59 16:20	08:18 17:19	07:15 18:18	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 21:30	06:47 20:17	07:45 19:00	07:47 16:48	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:22	05:42 21:21	04:57 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:46	08:44 16:06
8	08:58 16:23	08:14 17:23	07:10 18:22	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	05:53 21:26	06:51 20:12	07:48 18:54	07:51 16:44	08:46 16:05
9	08:58 16:25	08:12 17:25	07:07 18:24	06:48 20:26	05:38 21:24	04:55 22:12	05:05 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:05 18:26	06:45 20:28	05:36 21:26	04:55 22:13	05:06 22:12	05:56 21:22	06:55 20:07	07:52 18:49	07:55 16:40	08:48 16:05
11	08:56 16:28	08:08 17:30	07:02 18:28	06:43 20:30	05:34 21:28	04:54 22:14	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	07:57 16:38	08:50 16:04
12	08:55 16:30	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	08:00 16:36	08:51 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:01 19:59	07:59 18:42	07:58 16:34	08:52 16:04
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	06:04 21:13	07:03 19:56	08:00 18:40	08:04 16:33	08:53 16:04
15	08:52 16:35	08:00 17:38	06:52 18:36	07:18 (1) 07:32 (1)	06:33 20:37	05:27 21:35	04:53 22:17	05:12 22:07	06:06 19:54	07:04 18:37	08:02 16:31	08:06 16:04
16	08:51 16:37	07:57 17:40	06:49 18:38	07:16 (1) 07:20 (1)	06:30 20:39	05:25 21:37	04:52 22:17	05:14 22:06	06:08 19:51	07:06 18:35	08:04 16:29	08:08 16:04
17	08:50 16:38	07:55 17:42	06:47 18:40	07:13 (1) 07:16 (1)	06:28 20:41	05:23 21:39	04:52 22:18	05:15 22:04	06:09 19:49	07:08 18:32	08:10 16:28	08:56 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	07:12 (1) 07:15 (1)	06:25 20:43	05:21 21:41	04:52 22:18	05:16 22:03	06:11 19:46	07:10 18:30	08:12 16:26	08:57 16:04
19	08:48 16:42	07:51 17:47	06:42 18:44	07:11 (1) 07:13 (1)	06:23 20:45	05:20 21:43	04:52 22:18	05:18 22:02	06:13 21:01	07:12 19:43	08:14 18:27	08:57 16:04
20	08:47 16:44	07:48 17:49	06:39 18:46	07:03 (2) 07:11 (1)	06:21 20:47	05:18 21:44	04:52 22:19	05:20 22:00	06:15 20:59	07:14 19:41	08:12 18:25	08:15 16:23
21	08:45 16:46	07:46 17:51	06:36 18:48	07:09 (1) 07:10 (1)	06:18 20:49	05:17 21:46	04:52 22:19	05:21 21:59	06:17 20:57	07:16 19:38	08:14 18:23	08:17 16:22
22	08:44 16:48	07:44 17:53	06:34 18:50	07:08 (1) 07:09 (1)	06:16 20:51	05:15 21:48	04:53 22:19	05:23 21:57	06:19 20:54	07:18 19:36	08:16 18:20	08:19 16:06
23	08:43 16:50	07:41 17:55	06:31 18:52	07:08 (1) 07:09 (1)	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:56	06:21 20:52	07:20 19:33	08:18 18:18	08:21 16:19
24	08:41 16:52	07:39 17:57	06:29 18:54	06:11 20:55	05:12 21:51	04:53 22:20	05:26 21:54	06:23 20:49	07:21 19:30	07:49 (2) 08:22 (1)	08:20 18:16	08:23 16:18
25	08:40 16:54	07:37 17:59	06:26 18:56	07:06 (1) 07:07 (1)	06:09 20:57	05:11 21:52	04:53 22:20	05:28 21:53	06:25 20:47	07:23 19:28	07:51 (2) 08:20 (1)	08:25 17:13
26	08:38 16:56	07:34 18:01	06:24 18:58	06:06 20:59	05:09 21:54	04:54 22:20	05:29 21:51	06:27 20:44	07:25 19:25	07:53 (2) 08:19 (1)	07:24 17:11	08:27 16:15
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:56	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:23	07:55 (2) 08:17 (1)	07:27 17:09	08:28 16:14
28	08:35 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:07 21:57	04:55 22:19	05:33 21:47	06:30 20:40	07:29 19:20	07:57 (2) 08:15 (1)	07:29 17:07	08:30 16:13
29	08:33 17:02	07:16 18:04	06:16 19:04	06:00 21:05	05:05 21:58	04:56 22:19	05:34 21:46	06:32 20:37	07:31 19:17	08:01 (1) 08:10 (1)	07:31 17:04	08:32 16:12
30	08:31 17:04	07:13 18:06	06:13 19:06	05:57 21:07	05:04 22:00	04:56 22:19	05:36 21:44	06:34 20:35	07:33 19:15	07:33 17:02	08:34 16:11	09:01 16:12
31	08:30 17:06	07:11 18:08	06:11 19:08	05:03 22:01	05:03 22:01	05:38 21:42	06:36 20:32	07:35 19:15	07:35 17:00	07:35 16:11	09:01 16:13	16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			27						551			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,99						0,99			
Total reduction			0,34						0,39			
Total, real			9						216			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: C - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational status.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set times, Minutes with flicker, and First/Last time with flicker (WTG causing flicker).

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiējo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: D - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: E - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: F - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan to Dec) and 1 row of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January to December) and rows for each day (1-31) showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: G - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	08:07 (2) 09:19 (1)	07:08 20:10	05:55 21:09	05:02 22:03	04:57 22:18	05:40 21:40	06:38 20:30	07:35 19:12	07:37 16:58
2	09:01 16:15	08:26 17:10	07:24 18:10	08:05 (2) 09:18 (1)	07:05 20:12	05:53 21:11	05:01 22:04	04:58 22:18	05:42 21:38	06:40 20:27	07:37 19:10	07:39 16:56
3	09:01 16:16	08:24 17:12	07:22 18:12	08:03 (2) 09:17 (1)	07:03 20:14	05:51 21:13	05:00 22:05	04:58 22:17	05:43 21:36	06:42 20:25	07:39 19:07	07:41 16:54
4	09:00 16:18	08:22 17:15	07:19 18:14	08:02 (2) 09:17 (1)	07:00 20:16	05:49 21:15	04:59 22:06	04:59 22:17	05:45 21:34	06:44 20:22	07:41 19:05	07:43 16:52
5	09:00 16:19	08:20 17:17	07:17 18:16	08:00 (2) 09:15 (1)	06:58 20:18	05:46 21:17	04:58 22:08	05:00 22:16	05:47 21:32	06:45 20:19	07:43 19:02	07:45 16:50
6	08:59 16:20	08:18 17:19	07:15 18:18	07:59 (2) 09:15 (1)	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 21:30	06:47 20:17	07:44 18:59	07:47 16:48
7	08:59 16:22	08:16 17:21	07:12 18:20	07:58 (2) 09:14 (1)	06:53 20:22	05:42 21:20	04:56 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:46
8	08:58 16:23	08:14 17:23	07:10 18:22	07:57 (2) 09:13 (1)	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	05:53 21:26	06:51 20:12	07:48 18:54	07:51 16:44
9	08:58 16:25	08:12 17:25	07:07 18:24	07:57 (2) 09:13 (1)	06:48 20:26	05:38 21:24	04:55 22:12	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:42
10	08:57 16:26	08:10 17:27	07:04 18:26	07:55 (2) 09:12 (1)	06:45 20:27	05:36 21:26	04:55 22:13	05:06 22:12	05:56 21:22	06:55 20:07	07:52 18:49	07:55 16:40
11	08:56 16:28	08:08 17:30	07:02 18:28	07:56 (2) 09:12 (1)	06:43 20:29	05:34 21:28	04:54 22:14	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	07:57 16:38
12	08:55 16:30	08:06 17:32	06:59 18:30	07:57 (2) 09:11 (1)	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	07:59 16:36
13	08:54 16:31	08:04 17:34	06:57 18:32	07:57 (2) 09:11 (1)	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:01 19:59	07:58 18:42	07:58 16:34
14	08:53 16:33	08:02 17:36	06:54 18:34	07:57 (2) 09:11 (1)	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:04 16:33
15	08:52 16:35	08:00 17:38	06:52 18:36	07:57 (2) 09:11 (1)	06:33 20:37	05:27 21:35	04:53 22:16	05:12 22:07	06:06 21:11	07:04 19:54	08:02 18:37	08:06 16:31
16	08:51 16:37	07:57 17:40	06:49 18:38	07:57 (2) 09:11 (1)	06:30 20:39	05:25 21:37	04:52 22:17	05:14 22:06	06:08 21:08	07:06 19:51	08:04 18:35	08:08 16:29
17	08:50 16:38	07:55 17:42	06:47 18:40	07:57 (2) 09:11 (1)	06:28 20:41	05:23 21:39	04:52 22:18	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:10 16:28
18	08:49 16:40	07:53 17:44	06:44 18:42	07:57 (2) 09:11 (1)	06:25 20:43	05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:04	07:10 19:46	08:08 18:30	08:12 16:26
19	08:48 16:42	07:51 17:47	06:42 18:44	07:57 (2) 09:11 (1)	06:23 20:45	05:20 21:42	04:52 22:18	05:18 22:02	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:25
20	08:47 16:44	07:48 17:49	06:39 18:46	07:57 (2) 09:11 (1)	06:21 20:47	05:18 21:44	04:52 22:19	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	08:15 16:23
21	08:45 16:46	07:46 17:51	06:36 18:48	07:57 (2) 09:11 (1)	06:18 20:49	05:16 21:46	04:52 22:19	05:21 21:59	06:17 20:57	07:16 19:38	08:14 18:23	08:17 16:22
22	08:44 16:48	07:44 17:53	06:34 18:50	07:57 (2) 09:11 (1)	06:16 20:51	05:15 21:48	04:53 22:19	05:23 21:57	06:19 20:54	07:18 19:36	08:16 18:20	08:19 16:20
23	08:42 16:50	07:41 17:55	06:31 18:52	07:57 (2) 09:11 (1)	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:56	06:21 20:52	07:19 19:33	08:18 18:18	08:21 16:19
24	08:41 16:52	07:39 17:57	06:29 18:54	07:57 (2) 09:11 (1)	06:11 20:55	05:12 21:51	04:53 22:19	05:26 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 16:18
25	08:40 16:54	07:37 17:59	06:26 18:56	07:57 (2) 09:11 (1)	06:09 20:57	05:10 21:52	04:53 22:20	05:28 21:52	06:25 20:47	07:23 19:28	08:22 17:13	08:25 16:16
26	08:38 16:56	07:34 18:01	06:23 18:58	07:57 (2) 09:11 (1)	06:06 20:59	05:09 21:54	04:54 22:19	05:29 21:51	06:27 20:44	07:25 19:25	08:24 17:11	08:27 16:15
27	08:36 16:58	07:32 18:03	06:21 19:00	07:57 (2) 09:11 (1)	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:23	08:26 17:09	08:29 16:14
28	08:35 17:00	07:29 18:05	06:18 19:02	07:57 (2) 09:11 (1)	06:02 21:03	05:06 21:57	04:55 22:19	05:33 21:47	06:30 20:40	07:29 19:20	08:25 17:07	08:29 16:13
29	08:33 17:02	07:27 18:04	06:16 19:01	07:57 (2) 09:11 (1)	06:00 21:05	05:05 21:58	04:55 22:19	05:34 21:46	06:32 20:37	07:31 19:17	08:24 17:04	08:32 16:12
30	08:31 17:04	07:25 18:06	06:14 19:01	07:57 (2) 09:11 (1)	05:57 21:07	05:04 22:00	04:56 22:19	05:36 21:44	06:34 20:35	07:33 19:15	08:33 17:02	08:34 16:11
31	08:30 17:06	07:24 18:08	06:13 19:01	07:57 (2) 09:11 (1)	05:53 21:08	05:03 22:01	04:56 22:20	05:38 21:42	06:36 20:32	07:35 17:00	08:34 16:00	08:35 15:52
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case		1408	59								219	106
Sun reduction		0,25	0,34								0,31	0,16
Oper. time red.		1,00	1,00								1,00	1,00
Wind dir. red.		0,72	0,85								0,77	0,72
Total reduction		0,18	0,29								0,23	0,11
Total, real		249	17								51	12

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir ekspluatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: H - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each hour of the day (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', and various reduction factors.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: J - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and multiple rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīo (Ģilutēs raj. sav. Usēno ir Juknaiēno sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: K - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for specific dates and times, showing shadow calculations and operational times.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: L - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1-31) showing sun rise/set times and shadow reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierėių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: L - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 1 row of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time table with 3 columns (0, 1, Sum) and 2 rows of values: 4.380 4.380 8.760

Main shadow calculation table with columns for months (July-December) and rows for each day of the month, including sunrise/sunset times and shadow reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix table with 4 columns: Day in month, Sun rise/set, Minutes with flicker, and WTG causing flicker times.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelė, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)
Sunshine probability S (Average daily sunshine hours) [KAUNAS]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June
1 09:01	09:57 (3)	08:28	07:27	17:33 (1)	07:08	05:55
16:14	32 10:29 (3)	17:08	18:07	2 17:35 (1)	20:10	21:09
2 09:01	09:57 (3)	08:26	07:24	17:35 (1)	07:05	05:53
16:15	31 10:28 (3)	17:10	18:09	2 17:37 (1)	20:12	21:11
3 09:01	09:57 (3)	08:24	07:22	17:35 (1)	07:03	05:51
16:16	33 10:30 (3)	17:12	18:12	2 17:37 (1)	20:14	21:13
4 09:00	09:57 (3)	08:22	07:19	17:37 (1)	07:00	05:48
16:18	33 10:30 (3)	17:15	18:14	1 17:38 (1)	20:16	21:15
5 09:00	09:58 (3)	08:20	07:17		06:58	05:46
16:19	33 10:31 (3)	17:17	18:16		20:18	21:17
6 08:59	09:58 (3)	08:18	07:14		06:55	05:44
16:20	33 10:31 (3)	17:19	18:18		20:20	21:18
7 08:59	09:58 (3)	08:16	07:12		06:53	05:42
16:22	33 10:31 (3)	17:21	18:20		20:21	21:20
8 08:58	09:58 (3)	08:14	07:09		06:50	05:40
16:23	34 10:32 (3)	17:23	18:22		20:23	21:22
9 08:58	09:59 (3)	08:12	07:07		06:48	05:38
16:25	33 10:32 (3)	17:25	18:24		20:25	21:24
10 08:57	10:00 (3)	08:10	07:04		06:45	05:36
16:26	34 10:34 (3)	17:27	18:26		20:27	21:26
11 08:56	09:59 (3)	08:08	16:26 (2) 07:02		06:43	05:34
16:28	34 10:33 (3)	17:29	14 16:40 (2) 18:28		20:29	21:28
12 08:55	10:00 (3)	08:06	16:22 (2) 06:59		06:40	05:32
16:29	34 10:34 (3)	17:32	17 16:43 (2) 18:30		20:31	21:30
13 08:54	10:00 (3)	08:04	16:20 (2) 06:57		06:38	05:30
16:31	34 10:34 (3)	17:34	8 16:46 (2) 18:32		20:33	21:32
14 08:53	10:01 (3)	08:02	16:42 (2) 06:54		06:35	05:28
16:33	34 10:35 (3)	17:36	6 16:48 (2) 18:34		20:35	21:34
15 08:52	10:02 (3)	07:59	16:44 (2) 06:52		06:33	05:27
16:35	33 10:35 (3)	17:38	5 16:49 (2) 18:36		20:37	21:35
16 08:51	10:02 (3)	07:57	16:47 (2) 06:49		06:30	05:25
16:36	33 10:35 (3)	17:40	4 16:51 (2) 18:38		20:39	21:37
17 08:50	10:03 (3)	07:55	16:49 (2) 06:47		06:28	05:23
16:38	32 10:35 (3)	17:42	4 16:53 (2) 18:40		20:41	21:39
18 08:49	10:04 (3)	07:53	16:49 (2) 06:44		06:25	05:21
16:40	32 10:36 (3)	17:44	4 16:53 (2) 18:42		20:43	21:41
19 08:48	10:04 (3)	07:50	16:51 (2) 06:41		06:23	05:20
16:42	31 10:35 (3)	17:46	3 16:54 (2) 18:44		20:45	21:42
20 08:47	10:05 (3)	07:48	16:53 (2) 06:39		06:20	05:18
16:44	31 10:36 (3)	17:49	2 16:55 (2) 18:46		20:47	21:44
21 08:45	10:05 (3)	07:46	16:53 (2) 06:36		06:18	05:16
16:46	30 10:35 (3)	17:51	2 16:55 (2) 18:48		20:49	21:46
22 08:44	10:06 (3)	07:44	16:54 (2) 06:34		06:16	05:15
16:48	28 10:34 (3)	17:53	2 16:56 (2) 18:50		20:51	21:47
23 08:42	10:07 (3)	07:41	16:54 (2) 06:31		06:13	05:13
16:50	28 10:35 (3)	17:55	2 16:56 (2) 18:52		20:53	21:49
24 08:41	10:08 (3)	07:39	16:55 (2) 06:29		06:11	05:12
16:52	26 10:34 (3)	17:57	2 16:57 (2) 18:54		20:55	21:51
25 08:39	10:09 (3)	07:36	16:55 (2) 06:26		06:09	05:10
16:54	24 10:33 (3)	17:59	1 16:56 (2) 18:56		20:57	21:52
26 08:38	10:11 (3)	07:34	16:56 (2) 06:23		06:06	05:09
16:56	22 10:33 (3)	18:01	11 17:30 (1) 18:58		20:59	21:54
27 08:36	10:12 (3)	07:32	17:28 (1) 06:21		06:04	05:08
16:58	19 10:31 (3)	18:03	4 17:32 (1) 19:00		21:01	21:55
28 08:35	10:14 (3)	07:29	17:31 (1) 06:18		06:02	05:06
17:00	15 10:29 (3)	18:05	3 17:34 (1) 19:02		21:03	21:57
29 08:33	10:17 (3)		07:16		05:59	05:05
17:02	10 10:27 (3)		20:04		21:05	21:58
30 08:31			07:13		05:57	05:04
17:04			20:06		21:07	22:00
31 08:30			07:11			05:03
17:06			20:08			22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case	859	94	7			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,56	0,85	0,94			
Total reduction	0,10	0,20	0,31			
Total, real	84	19	2			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)
Sunshine probability S (Average daily sunshine hours) [KAUNAS]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	07:37	08:35
	22:18	21:40	20:29	19:12	16:58	16:10
2	04:58	05:41	06:40	07:37	07:39	08:37
	22:18	21:38	20:27	19:10	16:56	16:09
3	04:58	05:43	06:42	07:39	07:41	08:38
	22:17	21:36	20:24	19:07	16:54	16:08
4	04:59	05:45	06:44	07:41	07:43	08:40
	22:17	21:34	20:22	19:04	16:52	16:08
5	05:00	05:47	06:45	07:42	07:45	08:41
	22:16	21:32	20:19	19:02	16:50	16:07
6	05:01	05:49	06:47	07:44	07:47	08:43
	22:15	21:30	20:17	18:59	16:48	16:06
7	05:02	05:51	06:49	07:46	07:49	08:44
	22:15	21:28	20:14	18:57	16:46	16:06
8	05:03	05:52	06:51	07:48	07:51	08:46
	22:14	21:26	20:12	18:54	16:44	16:05
9	05:04	05:54	06:53	07:50	07:53	08:47
	22:13	21:24	20:09	18:52	16:42	16:05
10	05:06	05:56	06:55	07:52	18:10 (1)	07:55
	22:12	21:22	20:07	18:49	2 18:12 (1)	16:40
11	05:07	05:58	06:57	07:54	18:09 (1)	07:57
	22:11	21:19	20:04	18:47	2 18:11 (1)	16:38
12	05:08	06:00	06:59	07:56	18:07 (1)	07:59
	22:10	21:17	20:01	18:44	2 18:09 (1)	16:36
13	05:09	06:02	07:01	07:58	18:05 (1)	08:01
	22:09	21:15	19:59	18:42	3 18:08 (1)	16:34
14	05:11	06:04	07:02	08:00	18:02 (1)	08:03
	22:08	21:13	19:56	18:39	4 18:06 (1)	16:33
15	05:12	06:06	07:04	08:02	17:59 (1)	08:05
	22:07	21:10	19:54	18:37	5 18:04 (1)	16:31
16	05:13	06:07	07:06	08:04	17:28 (2)	08:07
	22:06	21:08	19:51	18:35	10 18:01 (1)	16:29
17	05:15	06:09	07:08	08:06	17:27 (2)	08:09
	22:04	21:06	19:48	18:32	1 17:28 (2)	16:28
18	05:16	06:11	07:10	08:08	17:26 (2)	08:11
	22:03	21:04	19:46	18:30	2 17:28 (2)	16:26
19	05:18	06:13	07:12	08:10	17:25 (2)	08:13
	22:02	21:01	19:43	18:27	2 17:27 (2)	16:25
20	05:19	06:15	07:14	08:12	17:24 (2)	08:15
	22:00	20:59	19:41	18:25	2 17:26 (2)	16:23
21	05:21	06:17	07:16	08:14	17:23 (2)	08:17
	21:59	20:56	19:38	18:23	2 17:25 (2)	16:22
22	05:23	06:19	07:18	08:16	17:23 (2)	08:19
	21:57	20:54	19:35	18:20	2 17:25 (2)	16:20
23	05:24	06:21	07:19	08:18	17:21 (2)	08:21
	21:56	20:52	19:33	18:18	3 17:24 (2)	16:19
24	05:26	06:23	07:21	08:20	17:19 (2)	08:23
	21:54	20:49	19:30	18:16	4 17:23 (2)	16:18
25	05:27	06:25	07:23	07:22	16:18 (2)	08:25
	21:52	20:47	19:28	17:13	4 16:22 (2)	16:16
26	05:29	06:26	07:25	07:24	16:16 (2)	08:27
	21:51	20:44	19:25	17:11	4 16:20 (2)	16:15
27	05:31	06:28	07:27	07:26	16:14 (2)	08:28
	21:49	20:42	19:22	17:09	5 16:19 (2)	16:14
28	05:33	06:30	07:29	07:28	16:11 (2)	08:30
	21:47	20:39	19:20	17:07	6 16:17 (2)	16:13
29	05:34	06:32	07:31	07:31	15:50 (2)	08:32
	21:45	20:37	19:17	17:04	10 16:15 (2)	16:12
30	05:36	06:34	07:33	07:33	15:52 (2)	08:34
	21:44	20:34	19:15	17:02	20 16:12 (2)	16:11
31	05:38	06:36		07:35	15:56 (2)	
	21:42	20:32		17:00	12 16:08 (2)	
Potential sun hours	521	465	383	326	253	224
Total, worst case				107	495	975
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,86	0,56	0,56
Total reduction				0,26	0,09	0,07
Total, real				28	42	71

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: N - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the year (01 to 31). Columns contain start and end times and number of shadows. Summary rows at the bottom show total sun hours and reduction percentages.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

Description:

Licensed user:

8 VE Ėilutės r.

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: O - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns (January to December) and rows for each day of the month. It includes sunrise and sunset times, shadow calculations (e.g., 07:52 (4) 06:38), and a summary at the bottom for 'Potential sun hours'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: P - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for sun hours, reduction, and real values.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: Q - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 31 rows of daily data. Each row contains start and end times for various months. Summary rows at the bottom show potential sun hours, total worst case, sun reduction, operational time reduction, wind direction reduction, total reduction, and total real values.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: R - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10		05:55 21:09	05:02 22:02	04:57 22:18	05:40 21:40	06:38 20:29	07:35 19:12	07:37 16:58
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:11	19:42 (3) 19:44 (3)	05:53 21:11	05:01 22:04	04:57 22:18	05:41 21:38	06:40 20:27	07:37 19:09	16:58 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	2 19:40 (3)	05:51 21:13	05:00 22:05	04:58 22:17	05:43 21:36	06:42 20:24	07:38 19:07	16:09 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	6 19:40 (3)	05:48 21:14	04:59 22:06	04:59 22:17	05:45 21:34	06:43 20:22	07:40 19:04	16:08 16:07
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	8 19:40 (3)	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	16:07 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	9 19:49 (3)	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:17	07:44 18:59	16:07 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	12 19:52 (3)	05:42 21:20	04:56 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	16:06 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	13 19:53 (3)	05:40 21:22	04:56 22:11	05:03 22:14	05:52 21:26	06:51 20:12	07:48 18:54	16:06 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	14 19:54 (3)	05:38 21:24	04:55 22:12	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:52	16:05 16:42
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	14 19:40 (3)	05:36 21:26	04:54 22:12	05:06 22:12	05:56 21:21	06:55 20:06	07:52 18:49	16:05 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	13 19:40 (3)	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	16:04 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	13 19:40 (3)	05:32 21:30	04:53 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	16:04 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	12 19:40 (3)	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:59	07:58 18:42	16:04 16:04
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	11 19:51 (3)	05:28 21:33	04:53 22:16	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	16:04 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	10 19:40 (3)	05:27 21:35	04:52 22:16	05:12 22:07	06:05 21:10	07:04 19:53	08:02 18:37	16:04 16:04
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	8 19:48 (3)	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	16:04 16:04
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	6 19:46 (3)	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	16:04 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	19:37 (3) 19:41 (3)	05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:30	16:04 16:04
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	4 19:41 (3)	05:20 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	16:04 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	23 06:49 (4)	05:18 21:44	04:52 22:19	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	16:04 16:04
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	27 06:50 (4)	05:16 21:46	04:52 22:19	05:21 22:00	06:17 20:56	07:15 19:38	08:14 18:22	16:04 16:05
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	13 06:53 (4)	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	16:04 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	7 06:30 (4)	05:13 21:49	04:53 22:19	05:24 21:57	06:21 20:54	07:19 19:35	08:18 18:20	16:04 16:06
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	3 06:28 (4)	05:12 21:51	04:53 22:19	05:26 21:54	06:23 20:52	07:21 19:30	08:20 18:15	16:06 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	14 06:48 (4)	05:10 21:52	04:53 22:19	05:27 21:52	06:37 (4) 20:47	07:23 19:28	08:25 17:13	16:06 16:07
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	12 06:49 (4)	05:09 21:52	04:54 22:19	05:29 21:51	06:41 (4) 20:44	07:25 19:25	07:24 17:11	16:06 16:08
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	8 06:49 (4)	05:08 21:54	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:09	16:08 16:09
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	05:06 22:19	04:55 22:19	05:33 21:47	06:30 20:39	07:29 19:20	07:28 17:06	16:09 16:09
29	08:33 17:02	07:16 18:04	06:15 19:05	05:59 21:05	05:05 21:58	05:05 22:19	04:55 22:19	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	16:09 16:10
30	08:31 17:04	07:13 18:06	06:13 19:06	05:57 21:07	05:04 22:00	05:04 22:18	04:56 22:18	05:36 21:44	06:34 20:34	07:33 19:15	07:32 17:02	16:11 16:11
31	08:29 17:06	07:10 18:08	06:10 19:08	05:57 21:07	05:03 22:01	05:03 22:01	05:38 21:42	05:38 21:42	06:36 20:32	07:35 17:00	07:35 17:00	16:11 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				169	89		64					
Sun reduction				0,39	0,52		0,49					
Oper. time red.				1,00	1,00		1,00					
Wind dir. red.				1,00	0,89		0,89					
Total reduction				0,39	0,46		0,44					
Total, real				67	41		28					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: S - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 33 rows of shadow data. Includes a summary section at the bottom with 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: T - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 1 row of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for each day (1-31) showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set times, Minutes with flicker, First/Last time with flicker (WTG causing flicker).

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: U - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: V - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:09	05:55 21:09	05:02 22:02	21:11 (5) 04:57	05:40 21:40	06:38 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:11	05:01 22:04	21:11 (5) 04:57	05:41 21:38	06:40 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:51 21:12	05:00 22:05	21:11 (5) 04:58	21:39 (5) 05:43	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	05:48 22:06	21:12 (5) 04:59	1 21:40 (5)	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	05:46 21:16	05:48 22:07	21:11 (5) 05:00	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	05:44 21:18	05:47 22:08	21:12 (5) 05:01	05:49 21:30	06:47 20:16	07:44 19:02	07:47 16:49	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	05:46 22:09	21:12 (5) 05:02	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	05:46 22:10	21:11 (5) 05:03	05:52 21:26	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	05:55 22:11	21:12 (5) 05:04	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	05:54 22:12	21:12 (5) 05:05	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	05:54 22:13	21:12 (5) 05:07	05:58 21:19	06:57 20:04	07:54 18:54	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:30	05:53 22:14	21:13 (5) 05:08	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:37 20:33	05:30 21:31	05:53 22:15	21:12 (5) 05:09	06:02 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	05:53 22:16	21:13 (5) 05:11	06:04 21:12	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	05:52 22:16	21:13 (5) 05:12	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	05:52 22:17	21:13 (5) 05:13	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:55 16:04
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	05:23 21:39	05:52 22:17	21:14 (5) 05:15	06:09 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:40	05:52 22:18	21:14 (5) 05:16	06:11 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:20 21:42	05:52 22:18	21:14 (5) 05:18	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	05:52 22:18	21:14 (5) 05:19	06:15 20:59	07:14 19:40	08:12 18:25	08:15 16:23	08:58 16:04
21	08:45 16:46	07:46 17:48	06:36 18:48	06:18 20:49	05:16 21:46	05:52 22:19	21:14 (5) 05:21	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	05:52 22:19	21:15 (5) 05:22	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	05:53 22:19	21:15 (5) 05:24	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	05:12 21:51	05:53 22:19	21:15 (5) 05:26	06:23 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	05:53 22:19	21:16 (5) 05:27	06:24 20:47	07:23 19:27	08:22 17:13	08:25 16:16	09:00 16:07
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	05:54 22:19	21:15 (5) 05:29	06:26 20:44	07:25 19:25	08:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 19:00	06:04 21:01	05:08 21:55	05:54 22:19	21:16 (5) 05:31	06:28 20:42	07:27 19:22	08:26 17:09	08:28 16:14	09:01 16:09
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	05:55 22:19	21:16 (5) 05:32	06:30 20:39	07:29 19:20	08:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:16 18:04	06:16 19:05	05:59 21:05	05:05 21:58	05:55 22:19	21:16 (5) 05:34	06:32 20:37	07:31 19:17	08:30 17:04	08:32 16:12	09:01 16:10
30	08:31 17:04	07:13 18:06	06:15 19:06	05:57 21:07	05:04 21:57	05:56 22:18	21:16 (5) 05:36	06:34 20:34	07:33 19:15	08:33 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	06:10 19:07	05:03 21:07	05:03 22:01	05:57 21:25 (5)	21:12 (5) 05:38	06:36 20:32	07:34 17:00	08:34 16:11	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case					54	636	1					
Sun reduction					0,52	0,48	0,49					
Oper. time red.					1,00	1,00	1,00					
Wind dir. red.					0,82	0,82	0,82					
Total reduction					0,42	0,40	0,40					
Total, real					23	252	0					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėlių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** W - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (84) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	06:41 (7) 05:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	06:40 (7) 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	06:40 (7) 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	06:39 (7) 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	06:39 (7) 22:07	04:58 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	06:40 (7) 22:07	04:57 22:15	05:49 21:30	06:49 (7) 20:16	06:47 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	06:41 (7) 22:08	04:56 22:15	05:50 21:30	06:49 (7) 20:14	06:49 18:57	07:46 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	06:41 (7) 22:08	04:56 22:14	05:52 21:28	06:50 (7) 20:14	06:51 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	06:41 (7) 22:09	04:55 22:13	05:54 21:23	06:49 (7) 20:09	06:53 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	06:41 (7) 22:10	04:54 22:12	05:56 21:21	06:49 (7) 20:06	06:55 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	06:41 (7) 22:11	04:54 22:13	05:58 21:19	06:50 (7) 20:04	06:56 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	06:41 (7) 22:12	04:53 22:10	06:00 21:17	06:49 (7) 20:01	06:58 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:57 18:32	06:37 20:33	05:30 21:31	06:41 (7) 22:13	04:53 22:09	06:02 21:15	06:50 (7) 19:58	07:00 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	06:41 (7) 22:14	04:53 22:08	06:03 21:12	06:50 (7) 19:56	07:02 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	06:41 (7) 22:15	04:52 22:06	06:05 21:10	06:51 (7) 19:53	07:04 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	06:41 (7) 22:16	04:52 22:05	06:07 21:08	06:52 (7) 19:51	07:06 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	06:41 (7) 22:17	04:52 22:04	06:09 21:05	06:52 (7) 19:48	07:08 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	06:41 (7) 22:18	04:52 22:03	06:11 21:03	06:53 (7) 19:46	07:10 18:29	08:08 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	06:41 (7) 22:19	04:52 22:01	06:13 21:01	06:54 (7) 19:43	07:12 18:27	08:10 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	06:41 (7) 22:20	04:52 22:00	06:15 20:58	06:56 (7) 19:40	07:13 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	06:41 (7) 22:21	04:52 21:58	06:17 20:56	06:57 (7) 19:38	07:15 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	06:41 (7) 22:22	04:52 21:52	06:19 20:54	06:59 (7) 19:35	07:17 18:20	08:16 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	06:41 (7) 22:23	04:53 21:52	06:21 20:51	07:04 (7) 19:35	07:19 18:20	08:18 16:21	08:59 16:05
24	08:41 16:52	07:38 17:58	06:28 18:54	06:11 20:55	05:12 21:50	06:41 (7) 22:24	04:53 21:54	06:22 20:49	07:12 (7) 19:33	07:21 18:18	08:20 16:19	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:50	06:41 (7) 22:25	04:53 21:52	06:24 20:46	07:23 19:30	07:22 18:15	08:24 16:17	09:00 16:06
26	08:37 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:53	06:41 (7) 22:26	04:54 21:50	06:26 20:44	07:25 19:27	07:24 17:13	08:26 16:16	09:00 16:07
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:08 21:55	06:41 (7) 22:27	04:54 21:50	06:28 20:44	07:27 19:25	07:26 17:11	08:28 16:15	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:02 21:03	05:06 21:57	06:41 (7) 22:28	04:55 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:27 18:03	06:15 19:05	05:59 21:05	05:05 21:58	06:41 (7) 22:29	04:55 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:25 18:05	06:13 19:05	05:57 21:06	05:04 21:59	06:41 (7) 22:30	04:56 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:23 18:07	06:11 19:07	05:03 21:06	05:03 22:01	06:41 (7) 22:31	04:57 21:41	06:36 20:32	07:33 19:00	07:34 17:00	08:34 16:11	09:02 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				261	9			65				
Sun reduction				0,39	0,52			0,51				
Oper. time red.				1,00	1,00			1,00				
Wind dir. red.				0,96	0,96			0,96				
Total reduction				0,38	0,50			0,50				
Total, real				99	4			32				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: X - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (months) and 31 rows (days). Columns: January, February, March, April, May, June, July, August, September, October, November, December. Rows: 1-31. Each cell contains start and end times for shadow events. Summary rows at the bottom show total sun hours and reduction metrics.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėnų sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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UAB Infraplanas

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** Y - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:57 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:11 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:00 19:40	07:13 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:01 19:38	07:15 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:04 19:35	07:17 18:20	08:16 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:09 19:33	07:19 18:18	08:18 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	07:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:02 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	06:15 19:01	05:59 21:05	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	06:13 19:01	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	06:10 19:02	05:57 21:07	05:03 22:01	05:03 22:01	05:38 21:41	06:36 20:32	07:34 17:00	07:34 16:11	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				280				21				
Sun reduction				0,39				0,51				
Oper. time red.				1,00				1,00				
Wind dir. red.				0,96				0,96				
Total reduction				0,38				0,50				
Total, real				106				10				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: Z - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:11 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:02 (7) 19:38	07:15 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:06 (7) 19:35	07:17 18:20	08:16 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:12 (7) 19:33	07:19 18:18	08:18 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	07:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:02 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	05:59 20:03	05:59 21:05	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	05:57 20:05	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	05:57 20:07	05:57 21:07	05:03 22:01	05:38 22:18	06:36 21:41	06:36 20:32	07:34 17:00	07:34 16:00	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				283				12				
Sun reduction				0,39				0,51				
Oper. time red.				1,00				1,00				
Wind dir. red.				0,97				0,97				
Total reduction				0,38				0,50				
Total, real				107				6				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Āilutēs r.

Description:

Vējo elektrinīo (Āilutēs raj. sav. Usēno ir Juknaieio sen.: Kavolīo, Stremeniō, Kūgelīo, Okslindpiō, Skierīo bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut downShadow receptor: AA - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 31 rows (1 to 31). Each cell contains a start time and an end time. Includes summary rows for potential sun hours, total worst case, sun reduction, oper. time red., wind dir. red., total reduction, and total real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** AC - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (90°)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:28 (7) 07:34 (7)	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:29 (7) 07:36 (7)	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:31 (7) 07:40 (7)	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:34 (7) 07:56 (7)	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:38 (7) 07:51 (7)	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06	
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:42 (7) 07:54 (7)	05:42 21:20	05:02 22:09	05:50 22:14	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:05	
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:36 (7) 07:55 (7)	05:40 21:22	04:56 22:10	05:03 22:14	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05	
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:33 (7) 07:55 (7)	05:38 21:24	04:55 22:11	05:04 22:13	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05	
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:30 (7) 07:54 (7)	05:36 21:26	04:54 22:12	05:05 22:12	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04	
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:29 (7) 07:54 (7)	05:34 21:28	04:54 22:13	05:07 22:11	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04	
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:27 (7) 07:54 (7)	05:32 21:29	04:53 22:14	05:08 22:10	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04	
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:25 (7) 07:53 (7)	05:30 21:31	04:53 22:15	06:02 22:09	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04	
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:24 (7) 07:53 (7)	05:28 21:33	04:53 22:15	06:03 22:08	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03	
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:22 (7) 07:52 (7)	05:26 21:35	04:52 22:16	06:05 22:06	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03	
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:21 (7) 07:53 (7)	05:25 21:37	04:52 22:17	06:07 22:05	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03	
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:20 (7) 07:53 (7)	05:23 21:39	04:52 22:17	06:09 22:04	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04	
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:19 (7) 07:52 (7)	05:21 21:40	04:52 22:18	06:11 22:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04	
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:18 (7) 07:53 (7)	05:19 21:42	04:52 22:18	06:13 22:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04	
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:18 (7) 07:53 (7)	05:18 21:44	04:52 22:18	06:15 22:00	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04	
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:16 (7) 07:53 (7)	05:16 21:45	04:52 22:19	06:17 21:58	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05	
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:16 (7) 07:54 (7)	05:15 21:47	04:52 22:19	06:19 21:57	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05	
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:16 (7) 07:54 (7)	05:13 21:49	04:53 22:19	06:21 21:55	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06	
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:16 (7) 07:55 (7)	05:12 21:50	04:53 22:19	06:22 21:54	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06	
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:15 (7) 07:55 (7)	05:10 21:52	04:53 22:19	06:24 21:52	07:23 19:27	08:15 17:13	08:24 16:16	09:00 16:07	
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	07:15 (7) 07:56 (7)	05:09 21:53	04:54 22:19	06:26 20:44	07:25 19:25	07:24 (7) 07:23 (7)	16:16 16:15	09:00 16:08	
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:15 (7) 07:57 (7)	05:08 21:55	04:54 22:19	06:28 20:42	07:27 19:22	07:26 (7) 07:25 (7)	16:08 16:14	09:00 16:08	
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:15 (7) 07:58 (7)	05:06 21:57	04:55 22:19	06:30 21:47	07:29 20:39	07:24 (7) 07:27 (7)	08:30 16:13	09:01 16:09	
29	08:33 17:02	07:15 18:03	05:59 20:03	05:59 21:05	07:18 (7) 07:59 (7)	05:05 21:58	04:55 22:18	06:32 21:45	07:31 20:37	07:25 (7) 07:29 (7)	08:31 16:12	09:01 16:10	
30	08:31 17:04	07:13 18:05	05:57 20:05	05:57 21:06	07:21 (7) 08:00 (7)	05:04 21:59	04:56 22:18	06:34 21:43	07:32 20:34	07:26 (7) 07:31 (7)	08:33 16:11	09:01 16:11	
31	08:29 17:06	07:10 18:07	05:46 20:07	05:46 21:07	05:03 22:01	04:53 21:41	05:38 20:32	06:36 20:24	07:26 (7) 07:32 (7)	07:34 17:00	09:01 16:12	09:01 16:12	
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224	
Total, worst case				782				21	55				
Sun reduction				0,39				0,51	0,40				
Oper. time red.				1,00				1,00	1,00				
Wind dir. red.				0,99				0,99	0,99				
Total reduction				0,39				0,51	0,39				
Total, real				306				11	22				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AE - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	07:54 (7) 05:55	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (7) 07:34	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	07:51 (7) 05:53	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (7) 07:37 (7)	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	07:48 (7) 05:50	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	08:08 (7) 07:38 (7)	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:11	07:19 18:13	07:00 20:15	07:46 (7) 05:48	05:00 22:06	04:59 22:16	05:45 21:34	06:43 20:22	08:08 (7) 07:38 (7)	07:40 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	07:45 (7) 05:46	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	08:07 (7) 07:39 (7)	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	07:43 (7) 05:44	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	08:07 (7) 07:40 (7)	07:44 16:45	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:42 (7) 05:42	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	08:07 (7) 07:41 (7)	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:40 (7) 05:40	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	08:07 (7) 07:42 (7)	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:39 (7) 05:38	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	08:07 (7) 07:43 (7)	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:38 (7) 05:36	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	08:06 (7) 07:46 (7)	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:37 (7) 05:34	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	08:07 (7) 07:49 (7)	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:37 (7) 05:32	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	08:07 (7) 07:54 (7)	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:36 (7) 05:30	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	08:04 (7) 08:00	18:42 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:35 (7) 05:28	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:34 (7) 05:26	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:34 (7) 05:25	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:34 (7) 05:23	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:33 (7) 05:21	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:33 (7) 05:19	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:34 (7) 05:18	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:33 (7) 05:16	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:33 (7) 05:15	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:34 (7) 05:13	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:34 (7) 05:12	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:34 (7) 05:10	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 17:59	06:23 18:56	06:06 20:57	07:34 (7) 05:09	04:54 22:19	05:29 21:52	06:26 20:46	07:25 19:27	08:24 17:13	08:26 16:16	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:35 (7) 05:08	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:35 (7) 05:06	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	08:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	07:15 19:01	05:59 21:05	07:36 (7) 05:05	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	08:31 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	07:13 19:01	05:57 21:06	07:37 (7) 05:04	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	08:33 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	07:10 19:01	05:58 21:07	08:00 (7) 05:03	04:57 22:01	05:38 21:41	06:36 20:32	07:34 19:00	08:34 17:00	08:34 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			26	530					251			
Sun reduction			0,34	0,39					0,40			
Oper. time red.			1,00	1,00					1,00			
Wind dir. red.			1,00	1,00					1,00			
Total reduction			0,34	0,39					0,40			
Total, real			9	209					99			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AF - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	07:54 (7) 05:55	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (7) 19:12	07:34 16:58	07:36 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	07:53 (7) 05:53	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (7) 19:09	07:36 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	07:51 (7) 05:50	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	08:00 (7) 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	07:50 (7) 05:48	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:44 (7) 19:04	07:40 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	07:49 (7) 05:46	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:43 (7) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	07:48 (7) 05:44	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 (7) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:47 (7) 05:42	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:44 (7) 18:57	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:46 (7) 05:40	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:45 (7) 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:46 (7) 05:38	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:46 (7) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:44 (7) 05:36	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:45 (7) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:44 (7) 05:34	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:47 (7) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:44 (7) 05:32	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:48 (7) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:43 (7) 05:30	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:49 (7) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:44 (7) 05:28	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	07:51 (7) 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:43 (7) 05:26	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	07:53 (7) 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:43 (7) 05:25	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	07:56 (7) 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:43 (7) 05:23	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:01 (7) 18:32	08:06 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:43 (7) 05:21	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 (7) 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:43 (7) 05:19	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 (7) 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:44 (7) 05:18	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 (7) 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:43 (7) 05:16	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 (7) 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:44 (7) 05:15	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 (7) 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:45 (7) 05:13	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:18 (7) 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:46 (7) 05:12	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 (7) 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:46 (7) 05:10	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:22 (7) 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	07:47 (7) 05:09	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 (7) 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:48 (7) 05:07	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 (7) 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:04 (7) 05:06	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 (7) 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:25 18:03	06:15 19:02	05:59 21:05	07:50 (7) 05:05	04:55 22:19	05:34 21:45	06:32 20:37	07:31 19:17	07:30 (7) 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:23 18:05	06:13 19:03	05:57 21:06	07:52 (7) 05:04	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 (7) 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:20 18:07	06:10 19:07	05:57 21:07	08:00 (7) 05:03	04:57 22:01	05:38 21:41	06:36 20:32	07:34 19:00	07:34 (7) 17:00	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			148	276					281			
Sun reduction			0,34	0,39					0,40			
Oper. time red.			1,00	1,00					1,00			
Wind dir. red.			1,00	1,00					1,00			
Total reduction			0,34	0,39					0,40			
Total, real			50	109					111			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** AG - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (94)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	07:59 (7) 05:55	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (7) 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	07:59 (7) 05:53	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (7) 19:09	07:36 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	07:57 (7) 05:50	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	08:00 (7) 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	07:56 (7) 05:48	05:00 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:52 (7) 19:04	07:40 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	07:56 (7) 05:46	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:51 (7) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	07:55 (7) 05:44	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:51 (7) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:57 (7) 05:42	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	08:07 (7) 18:57	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:54 (7) 05:40	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:51 (7) 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:54 (7) 05:38	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	08:07 (7) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:53 (7) 05:36	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:51 (7) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:53 (7) 05:34	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	08:07 (7) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:54 (7) 05:32	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:52 (7) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:53 (7) 05:30	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	08:07 (7) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:52 (7) 05:28	04:53 22:16	05:10 22:08	06:03 21:12	07:02 19:56	08:08 (7) 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:51 (7) 05:26	04:52 22:17	05:12 22:06	06:05 21:10	07:04 19:53	08:07 (7) 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:50 (7) 05:25	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 (7) 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:49 (7) 05:23	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 (7) 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:48 (7) 05:21	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 (7) 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:47 (7) 05:19	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:07 (7) 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:46 (7) 05:18	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:03 (7) 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:45 (7) 05:16	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:08 (7) 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:43 (7) 05:15	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:15 (7) 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:42 (7) 05:13	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:12 (7) 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:41 (7) 05:12	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:11 (7) 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:40 (7) 05:10	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:10 (7) 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	07:39 (7) 05:07	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	08:09 (7) 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:38 (7) 05:05	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:08 (7) 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:37 (7) 05:03	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	08:07 (7) 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	06:15 19:01	05:59 21:05	08:03 (7) 05:00	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	08:06 (7) 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	06:14 19:01	05:57 21:06	08:02 (7) 05:00	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	08:05 (7) 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	06:13 19:07	05:55 21:07	08:01 (7) 05:00	04:57 22:01	05:38 21:41	06:36 20:32	07:34 19:00	08:04 (7) 17:00	08:34 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			336	20					271			
Sun reduction			0,34	0,39					0,40			
Oper. time red.			1,00	1,00					1,00			
Wind dir. red.			1,00	1,00					1,00			
Total reduction			0,34	0,39					0,39			
Total, real			114	8					107			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėlių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** AH - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (95) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (7) 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (7) 19:09	07:36 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	08:02 (7) 19:07	07:38 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	08:02 (7) 19:04	07:40 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	08:00 (7) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	08:00 (7) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	08:00 (7) 18:57	07:46 16:45	08:44 16:05
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9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	08:00 (7) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:59 (7) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:59 (7) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:59 (7) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:59 (7) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	08:00 (7) 18:39	08:00 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:00 (7) 18:37	08:02 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:09 (7) 18:34	08:04 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:00 (7) 18:32	08:06 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:01 (7) 18:29	08:08 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:02 (7) 18:27	08:10 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:03 (7) 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:17 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:04 (7) 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:06 (7) 18:20	08:16 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:52 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:08 (7) 18:18	08:18 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:10 (7) 18:15	08:20 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:14 (7) 18:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	08:27 (7) 17:11	17:13 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:07 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:20 (7) 17:08	17:11 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:29 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	07:15 19:01	08:09 (7) 21:03	05:05 21:57	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:31 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	07:13 19:01	08:08 (7) 21:06	05:57 21:06	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	07:10 19:01	08:07 (7) 21:06	05:03 22:01	05:38 22:01	06:36 21:41	07:34 20:32	17:00	07:34	16:12	09:01
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			550						212			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,99						0,99			
Total reduction			0,34						0,39			
Total, real			186						83			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėlių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down **Shadow receptor:** AI - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (96°)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	08:07 (7) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	1 08:08 (7) 18:39	08:00 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	07:37 (7) 20:37	06:32 21:35	05:26 22:16	04:52 22:06	05:12 22:10	06:05 19:53	1 08:07 (7) 18:37	08:02 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	07:33 (7) 20:39	06:30 21:37	05:25 22:17	04:52 22:05	05:13 21:08	06:07 19:51	2 08:06 (7) 18:34	08:04 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	07:31 (7) 20:41	06:27 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	3 08:09 (7) 18:32	08:06 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	07:29 (7) 20:43	06:25 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	4 08:07 (7) 18:29	08:08 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	07:27 (7) 20:45	06:23 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	5 08:12 (7) 18:27	08:10 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	07:25 (7) 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	6 08:08 (7) 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	07:23 (7) 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	7 08:14 (7) 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	07:23 (7) 20:51	06:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	8 08:09 (7) 18:20	08:16 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	07:21 (7) 20:53	06:13 21:49	04:52 22:19	05:24 21:55	06:20 20:51	07:19 19:33	9 08:10 (7) 18:18	08:18 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	07:21 (7) 20:55	06:11 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	10 08:11 (7) 18:15	08:20 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	07:19 (7) 20:57	06:08 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	11 08:11 (7) 17:13	08:24 16:16	09:00 16:07
26	08:38 16:56	07:34 18:01	06:23 18:57	07:18 (7) 20:59	06:06 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	12 08:12 (7) 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	07:18 (7) 21:01	06:04 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	13 08:14 (7) 17:08	07:26 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	07:17 (7) 21:03	06:01 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	14 08:17 (7) 17:06	07:28 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	07:15 20:03	08:17 (7) 21:05	05:59 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	15 08:20 (7) 17:04	07:30 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	07:13 20:05	08:16 (7) 21:06	05:57 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	16 08:37 (7) 17:02	07:32 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	07:10 20:07	08:16 (7) 21:07	05:03 22:01	05:38 21:41	06:36 20:32	07:34 19:14	07:34 17:00	17 08:37 (7) 17:00	07:34 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			778						199			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,98						0,98			
Total reduction			0,34						0,39			
Total, real			261						77			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AJ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	08:06 (7) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	08:06 (7) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	08:06 (7) 18:57	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	08:06 (7) 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	08:06 (7) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	08:05 (7) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	08:05 (7) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	08:05 (7) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:10	06:02 21:15	07:00 19:58	08:05 (7) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:09 22:08	06:03 21:12	07:02 19:56	08:05 (7) 18:39	08:00 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:06 (7) 18:37	08:02 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:05 (7) 18:34	08:04 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 (7) 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:06 (7) 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:07 (7) 18:27	08:10 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:08 (7) 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:09 (7) 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:11 (7) 18:20	08:16 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:52 22:19	05:24 21:55	06:20 20:51	07:19 19:33	08:12 (7) 18:18	08:18 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:13 (7) 18:15	08:20 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:16 (7) 18:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	08:19 (7) 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:07 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:27 (7) 17:08	07:26 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	08:31 (7) 17:06	07:28 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	07:15 19:01	05:59 21:03	05:05 21:57	04:55 22:19	05:34 21:47	06:32 20:39	07:31 19:20	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	07:13 19:01	05:57 21:05	05:04 21:58	04:56 22:18	05:36 21:45	06:34 20:37	07:32 19:17	07:32 17:04	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	07:10 19:01	05:58 21:06	05:03 22:01	05:38 22:18	06:36 21:41	07:34 20:32	19:14	07:34 17:00	09:01 16:12	16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			672						109			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,99						0,99			
Total reduction			0,34						0,39			
Total, real			226						43			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AK - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 31 rows of daily data. Each row contains start and end times for various months. Summary rows at the bottom show 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AL - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 2 rows of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for each hour of the day (09:01-17:06), including summary rows for sun hours and reductions.

Table layout: For each day in each month the following matrix apply

Summary matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AM - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sunrise and sunset times. Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AN - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day (1-31) showing sun rise/set times, shadow reduction, and operational time. Includes summary rows for 'Potential sun hours' and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AO - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec. Values: 1,9, 5,38, 5,62, 6,96, 8,80, 10,41, 9,72, 7,26, 8,32, 5,93, 2,58, 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January to December) and rows for time intervals (09:00 to 17:06). Includes summary rows for sun hours and various reductions.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AP - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations Jan Feb Mar Apr May Jun Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:00 to 17:06). Includes 'Potential sun hours' and 'Total, real' at the bottom.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AQ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	07:41 (6) 21:09	05:55 22:02	05:02 22:18	04:57 21:40	05:40 20:29	06:38 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:10	07:05 20:12	07:41 (6) 21:11	05:53 22:04	05:01 22:18	04:58 21:38	05:42 20:27	06:40 19:10	07:39 16:56	08:37 16:09
3	09:00 16:16	08:24 17:13	07:22 18:12	07:03 20:14	07:42 (6) 21:13	05:51 22:05	05:00 22:17	04:59 21:36	05:43 20:24	06:42 19:07	07:41 16:54	08:38 16:08
4	09:00 16:18	08:22 17:15	07:19 18:14	07:00 20:16	07:43 (6) 21:14	05:49 22:06	04:59 22:16	04:59 21:34	05:45 20:22	06:44 19:04	07:43 16:52	08:40 16:08
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	07:44 (6) 21:16	05:46 22:07	04:58 22:16	05:00 21:32	05:47 20:19	06:45 19:02	07:45 16:50	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	07:55 (6) 21:18	05:44 22:08	04:57 22:15	05:01 21:30	05:49 20:17	06:47 18:59	07:47 16:48	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	04:57 22:09	05:02 22:14	05:51 21:28	06:49 20:14	07:40 (6) 18:57	07:46 16:46	07:49 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:04 22:14	05:53 21:26	06:51 20:12	07:37 (6) 18:54	07:48 16:44	07:51 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	05:38 21:24	04:55 22:11	05:05 22:13	05:54 21:24	06:53 20:09	07:36 (6) 18:52	07:50 16:42	07:53 16:05
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:55 22:12	05:06 22:12	05:56 21:21	06:55 20:06	07:35 (6) 18:49	07:52 16:40	07:55 16:05
11	08:56 16:28	08:08 17:30	07:02 18:28	06:43 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:57 20:04	07:34 (6) 18:47	07:54 16:38	07:57 16:04
12	08:55 16:30	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:32 (6) 18:44	07:56 16:36	07:59 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:30 21:31	04:53 22:15	05:10 22:09	06:02 21:15	07:01 19:59	07:32 (6) 18:42	07:58 16:34	08:01 16:04
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	05:29 21:33	04:53 22:16	05:11 22:08	06:04 21:13	07:02 19:56	07:32 (6) 18:39	08:00 16:33	08:03 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	04:53 22:16	05:12 22:07	06:06 21:10	07:04 19:54	07:32 (6) 18:37	08:02 16:31	08:05 16:04
16	08:51 16:37	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:53 22:17	05:14 22:05	06:08 21:08	07:06 19:51	07:34 (6) 18:35	08:04 16:29	08:07 16:04
17	08:50 16:38	07:55 17:42	06:47 18:40	06:28 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:06	07:08 19:48	07:36 (6) 18:32	08:06 16:28	08:09 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:22 21:40	04:52 22:18	05:17 22:03	06:11 21:03	07:10 19:46	07:37 (6) 18:30	08:08 16:26	08:11 16:04
19	08:48 16:42	07:50 17:47	06:41 18:44	06:23 20:45	05:20 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	07:39 (6) 18:27	08:10 16:25	08:13 16:04
20	08:46 16:44	07:48 17:49	06:39 18:46	06:21 20:47	05:18 21:44	04:52 22:18	05:20 22:00	06:15 20:59	07:14 19:41	07:41 (6) 18:25	08:12 16:23	08:15 16:05
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:17 21:46	04:52 22:19	05:21 21:59	06:17 20:56	07:16 19:38	07:44 (6) 18:24	08:14 16:22	08:17 16:05
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	04:53 22:19	05:23 21:57	06:19 20:54	07:17 19:35	07:53 (6) 18:23	08:16 16:20	08:19 16:06
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:14 21:49	04:53 22:19	05:24 21:55	06:21 20:52	07:19 19:33	07:52 (6) 18:21	08:18 16:19	08:21 16:06
24	08:41 16:52	07:39 17:57	06:29 18:54	06:11 20:55	05:12 21:51	04:53 22:19	05:26 21:54	06:23 20:49	07:21 19:30	07:53 (6) 18:16	08:20 16:18	08:23 16:07
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	05:11 21:52	04:54 22:19	05:28 21:52	06:25 20:47	07:23 19:28	07:53 (6) 18:13	08:22 16:16	08:25 16:07
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	05:09 21:54	04:54 22:19	05:29 21:51	06:27 20:44	07:25 19:25	07:49 (6) 18:11	08:24 16:15	08:26 16:08
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 (6) 18:09	08:28 16:14	09:01 16:09
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:07 21:57	04:55 22:19	05:33 21:47	06:30 20:39	07:29 19:20	07:28 (6) 18:07	08:30 16:13	09:01 16:10
29	08:33 17:02	07:16 20:04	06:00 21:05	06:00 21:05	05:05 21:58	04:56 22:19	05:34 21:45	06:32 20:37	07:31 19:17	07:30 (6) 17:04	08:32 16:12	09:01 16:11
30	08:31 17:04	07:13 20:06	05:57 21:07	05:57 21:07	05:04 22:00	04:56 22:18	05:36 21:43	06:34 20:34	07:33 19:15	07:32 (6) 17:02	08:33 16:11	09:01 16:12
31	08:29 17:06	07:11 20:08	05:46 21:08	05:46 21:08	05:03 22:01	04:53 21:42	05:38 21:32	06:36 20:32	07:35 19:15	07:35 (6) 17:00	08:34 16:13	09:01 16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			135		83				224			
Sun reduction			0,34		0,39				0,40			
Oper. time red.			1,00		1,00				1,00			
Wind dir. red.			1,00		1,00				1,00			
Total reduction			0,34		0,39				0,40			
Total, real			46		33				89			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AR - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec. Values range from 1,9 to 2,32.

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for sun hours, reduction, and real values.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set, Minutes with flicker, First/Last time with flicker (WTG causing flicker).

Project:

8 VE Īilutēs r.

Description:

Vējo elektrinīo (Īilutēs raj. sav. Usēno ir Juknaiēio sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AS - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec. Values range from 1,9 to 9,72.

Operational time
0 1 Sum
4.380 4.380 8.760

Main table with columns for months (January to December) and rows for each day of the year. Includes potential sun hours and reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoļo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 shut down Shadow receptor: AT - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes summary rows for 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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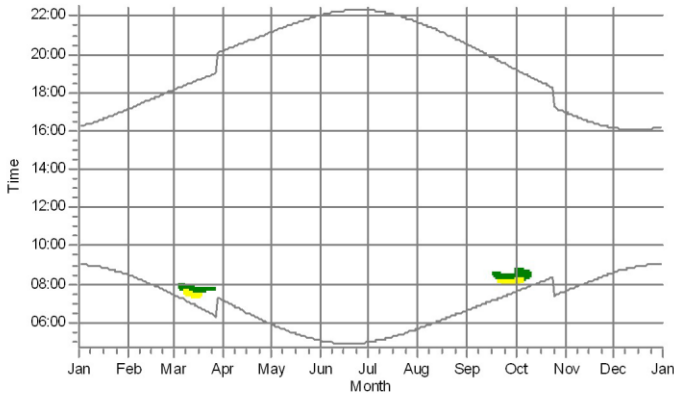
Calculated:

2021.12.03 09:05/3.5.552

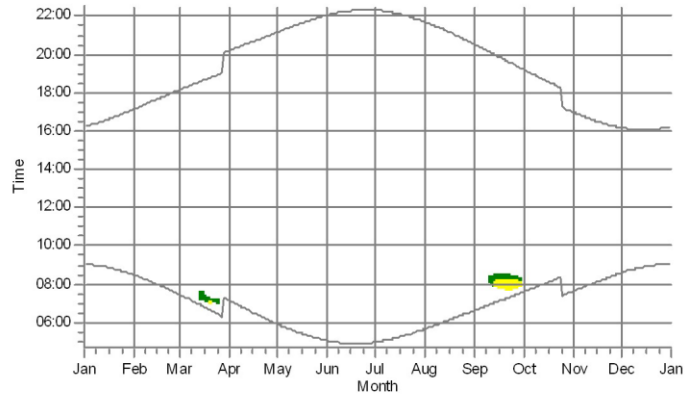
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

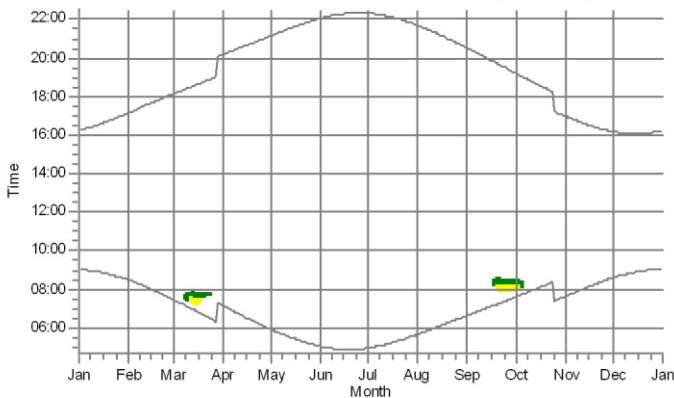
A: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (62)*



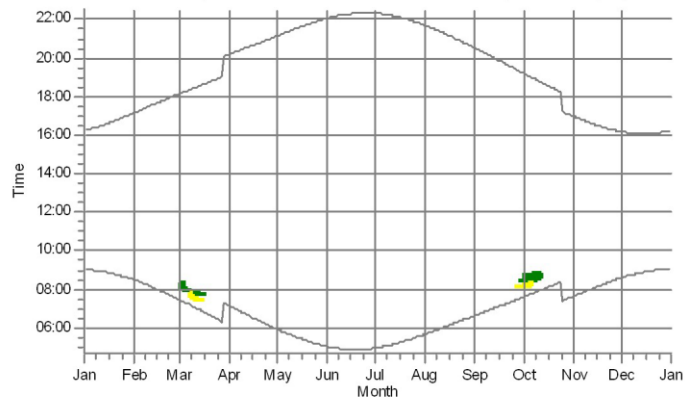
B: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (63)*



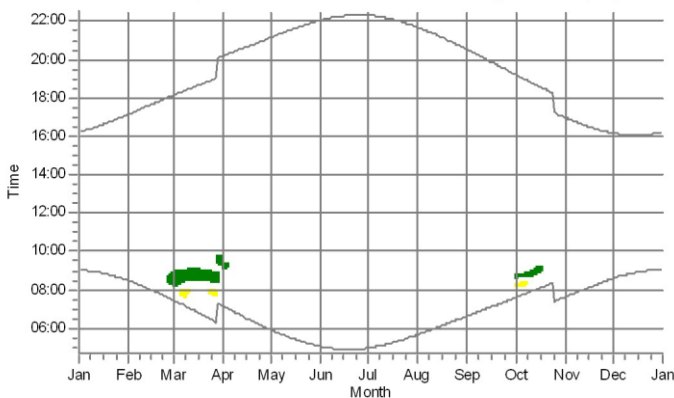
C: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (64)*



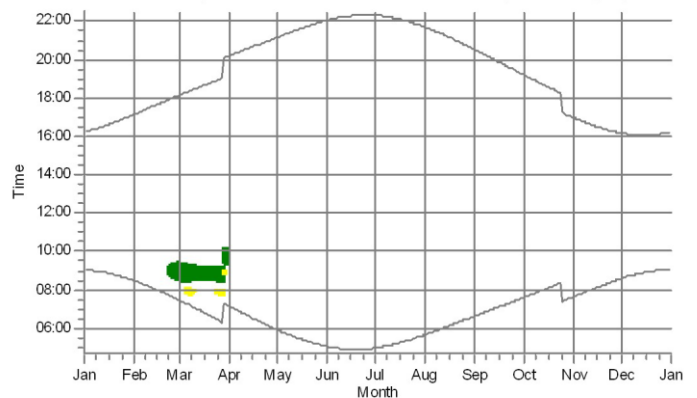
D: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (65)*



E: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (66)*



F: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (67)*



WTGs



1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

* Results reduced by flicker curtailment

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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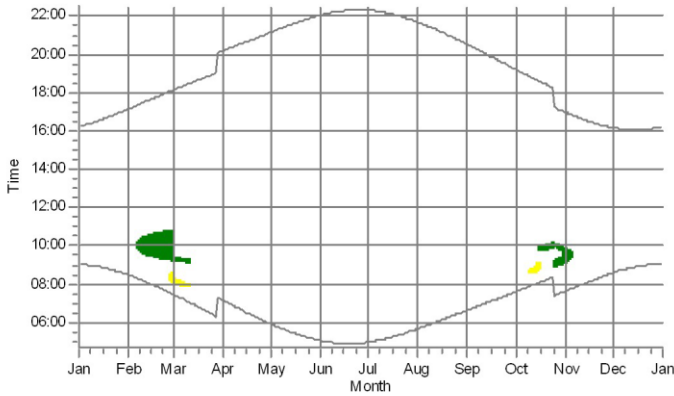
Calculated:

2021.12.03 09:05/3.5.552

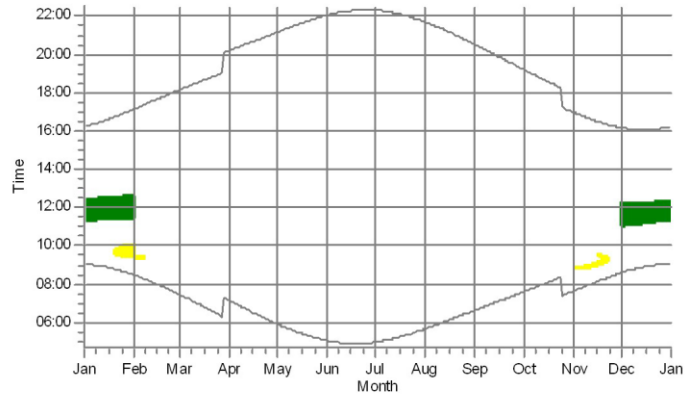
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

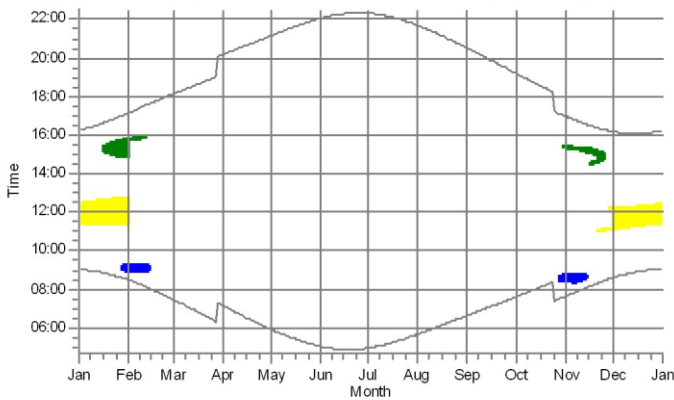
G: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)*



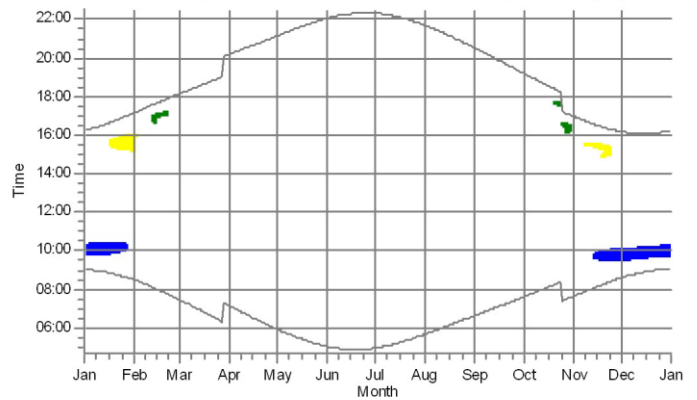
H: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)*



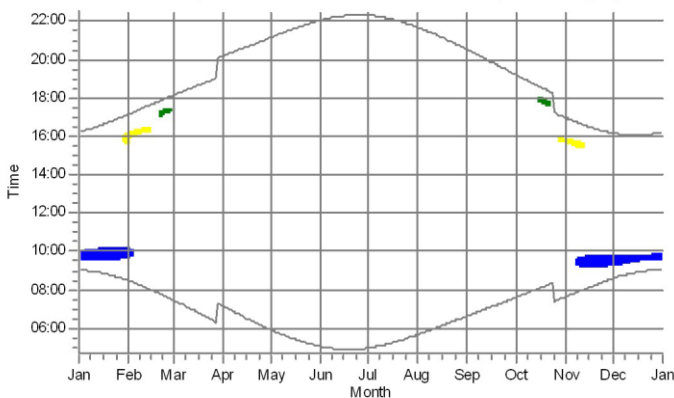
I: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)*



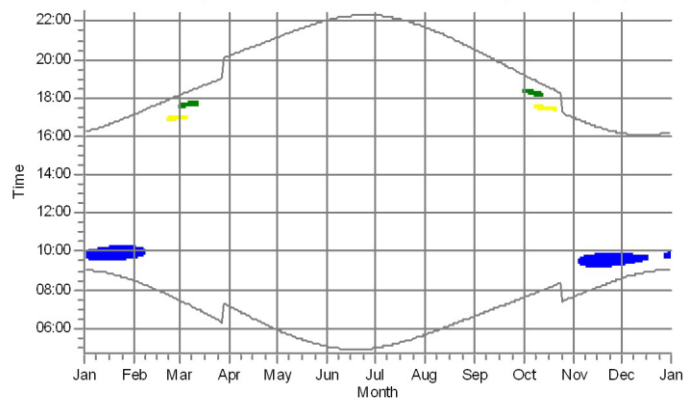
J: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)*



K: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)*



L: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)*



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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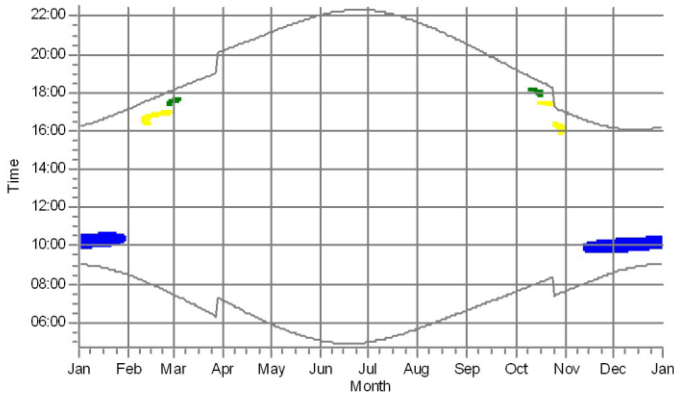
Calculated:

2021.12.03 09:05/3.5.552

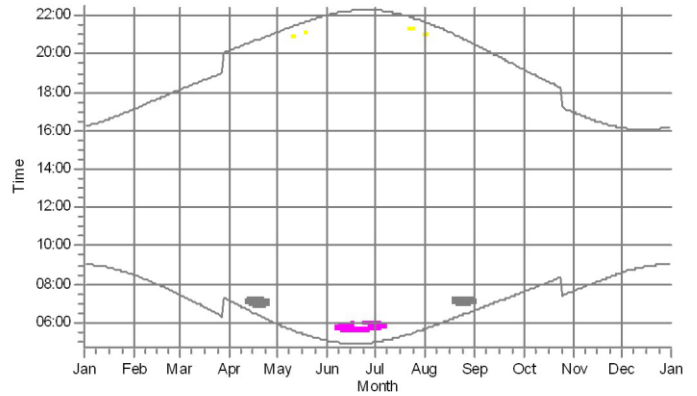
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

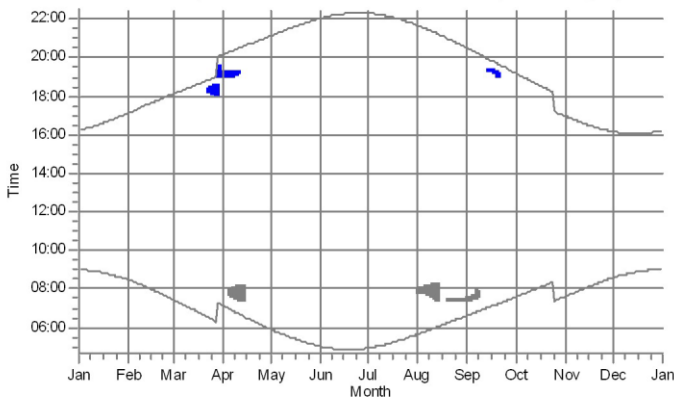
M: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)*



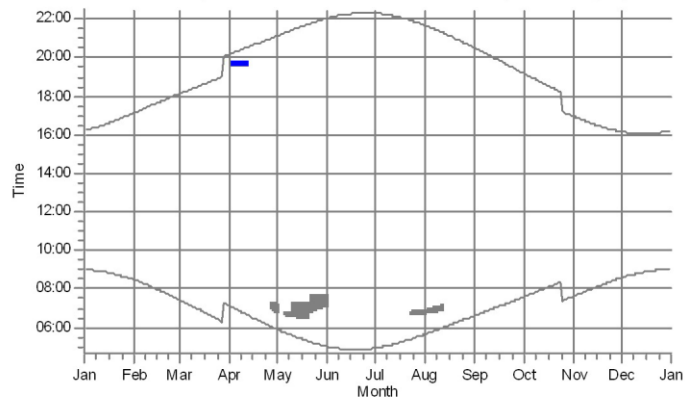
N: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (75)*



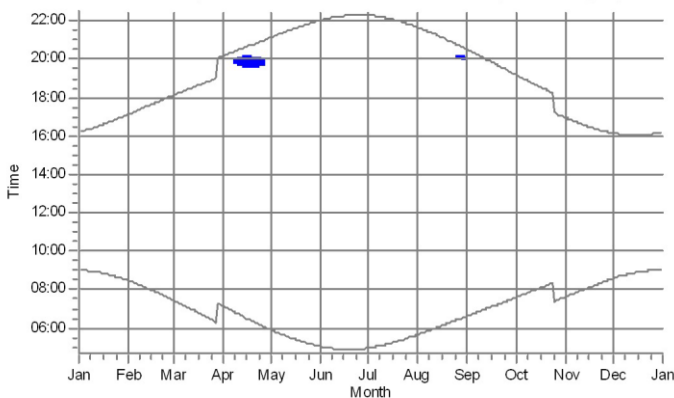
O: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (76)*



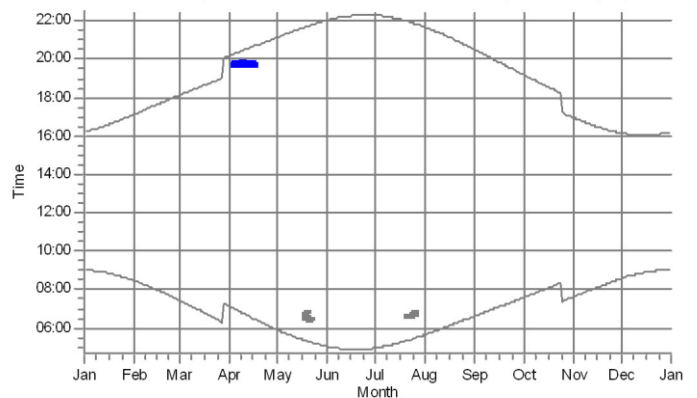
P: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)*



Q: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)*



R: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)*



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

* Results reduced by flicker curtailment

Project:

8 VE Īilutēs r.

Description:

Vējo elektrinīo (Īilutēs raj. sav. Usēno ir Juknaiēo sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindīo, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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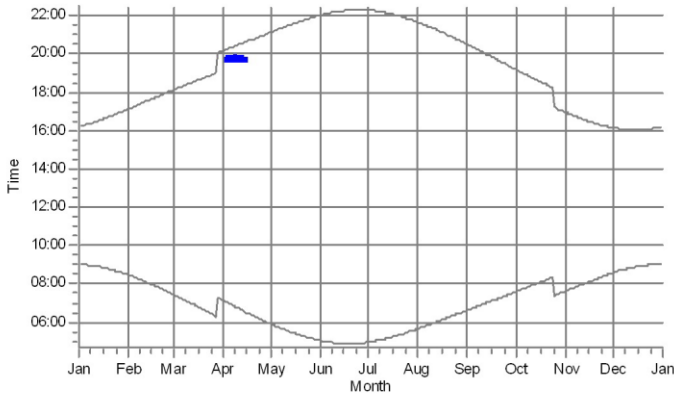
Calculated:

2021.12.03 09:05/3.5.552

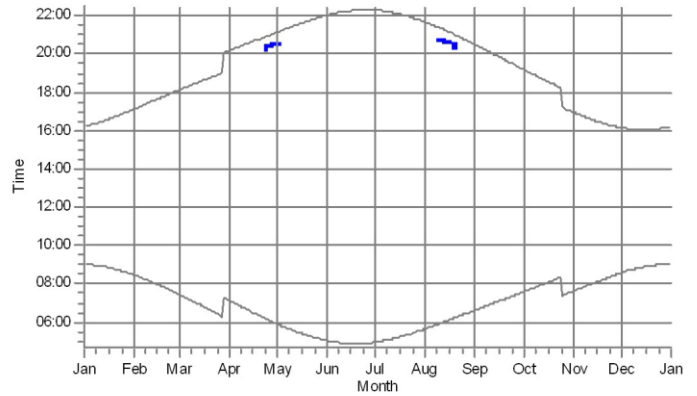
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

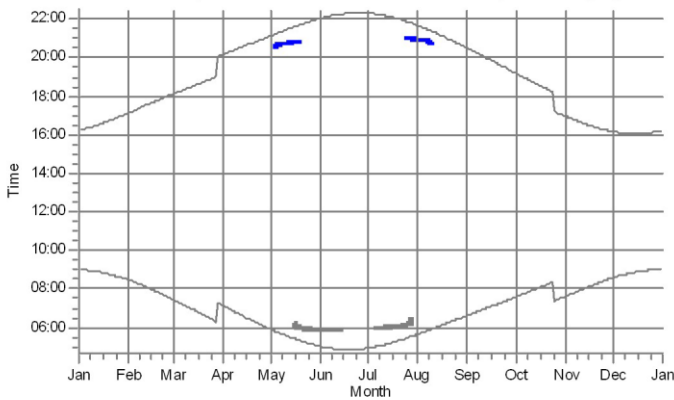
S: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (80)*



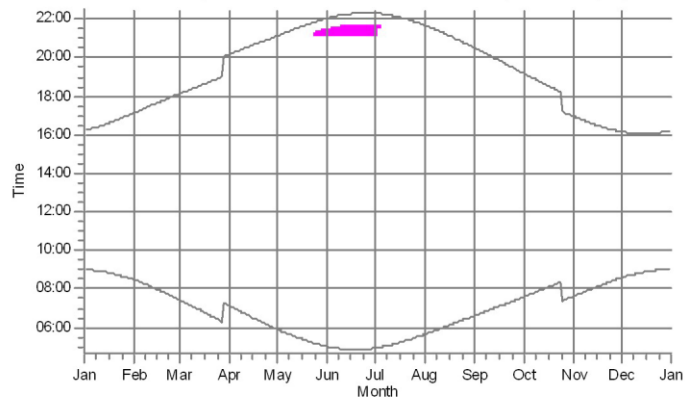
T: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (81)*



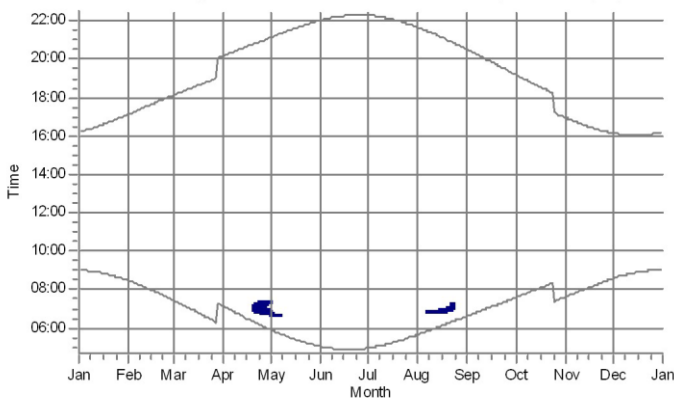
U: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (82)*



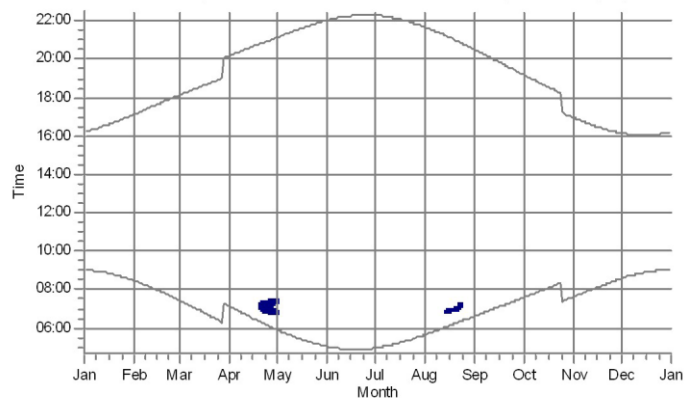
V: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (83)*



W: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (84)*



X: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (85)*



WTGs

- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)
- 7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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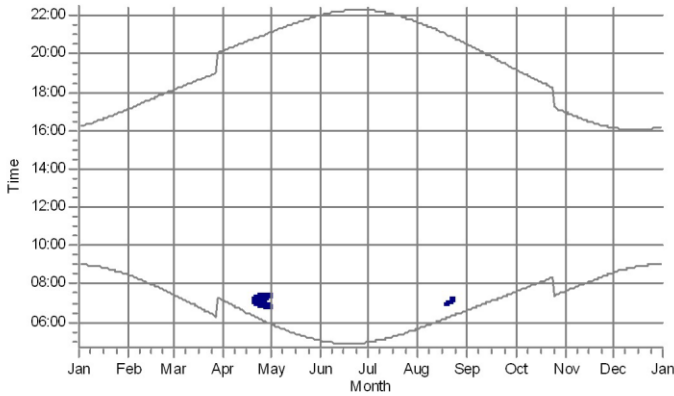
Calculated:

2021.12.03 09:05/3.5.552

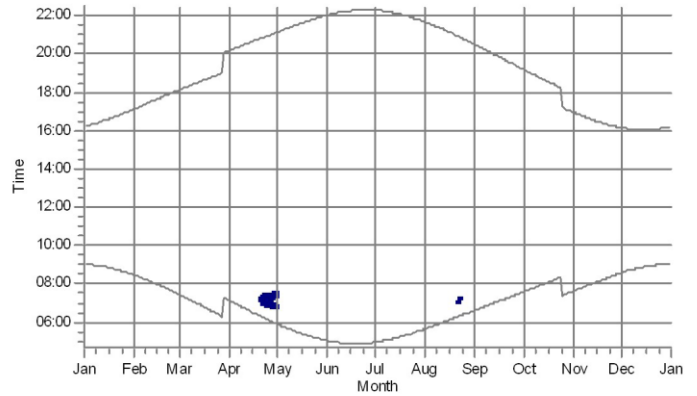
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

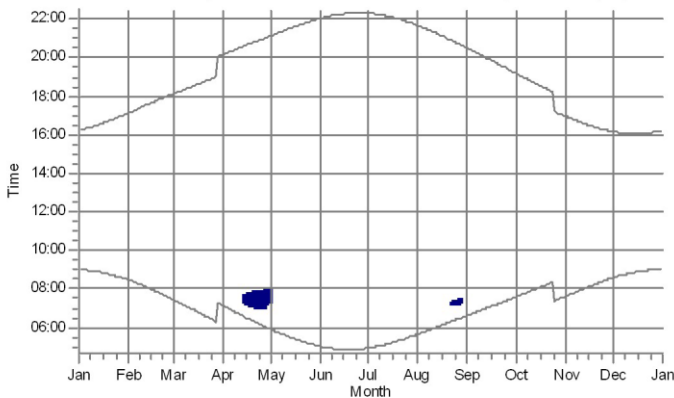
Y: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86)*



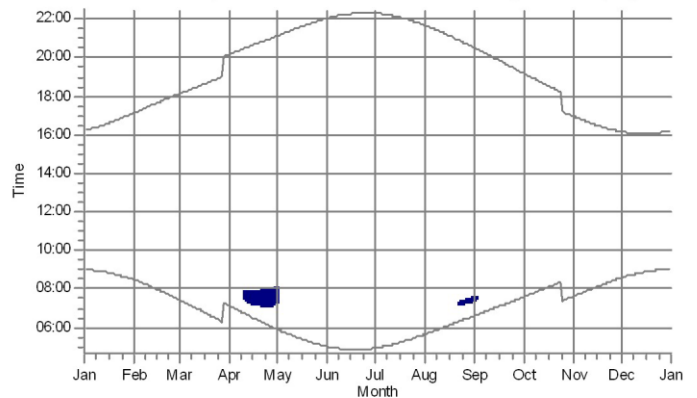
Z: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (87)*



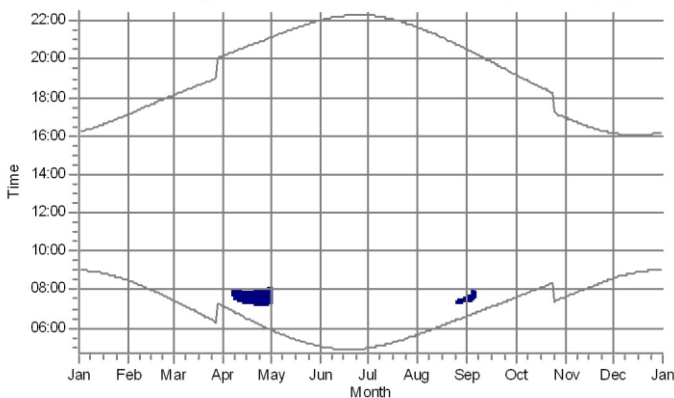
AA: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (88)*



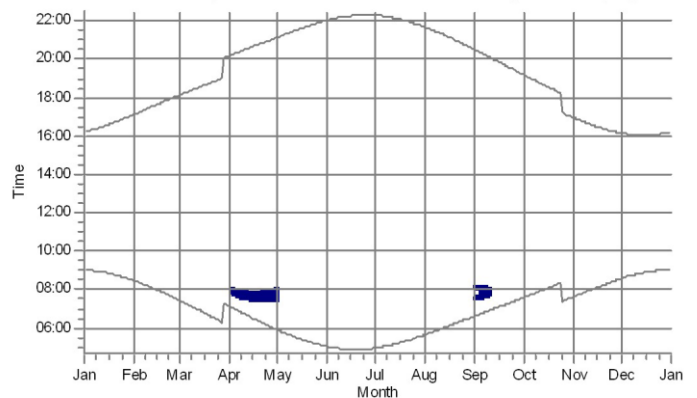
AB: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (89)*



AC: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (90)*



AD: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (91)*



WTGs

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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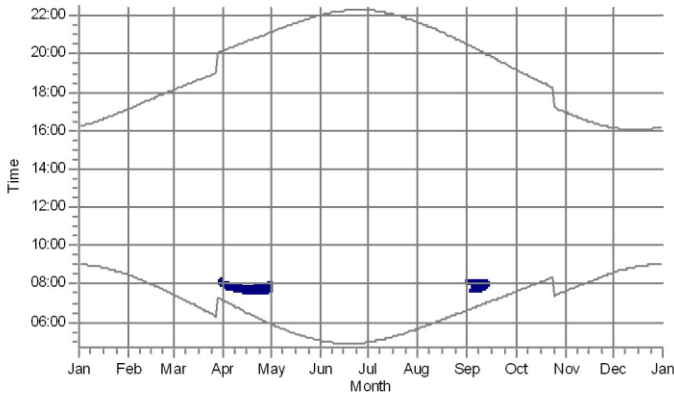
Calculated:

2021.12.03 09:05/3.5.552

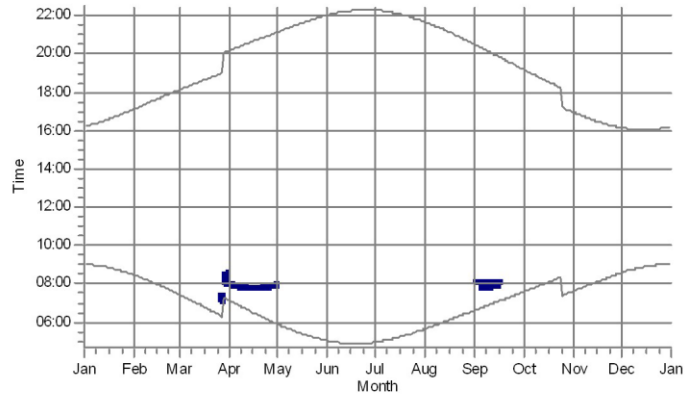
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

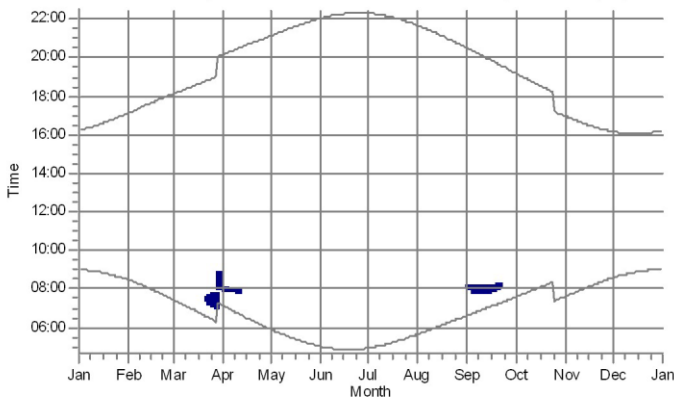
AE: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (92)*



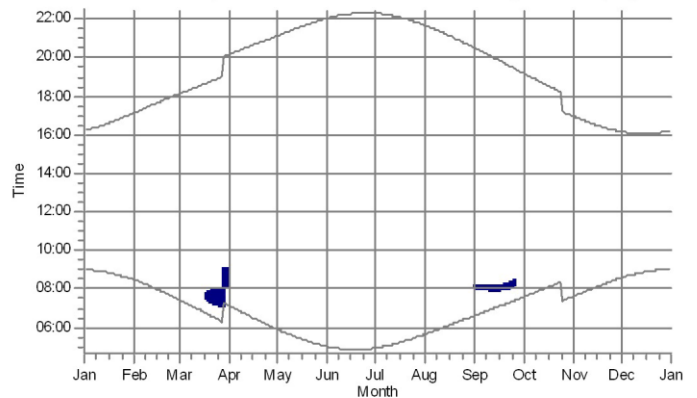
AF: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (93)*



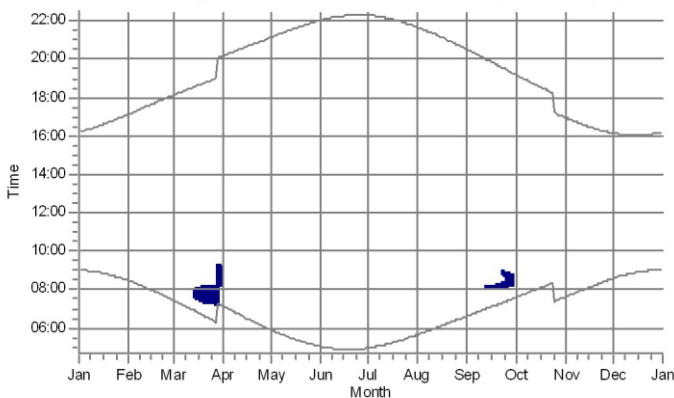
AG: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (94)*



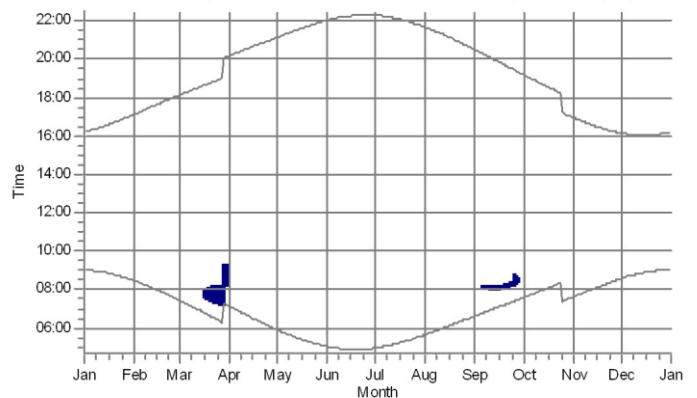
AH: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (95)*



AI: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (96)*



AJ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (97)*



WTGs

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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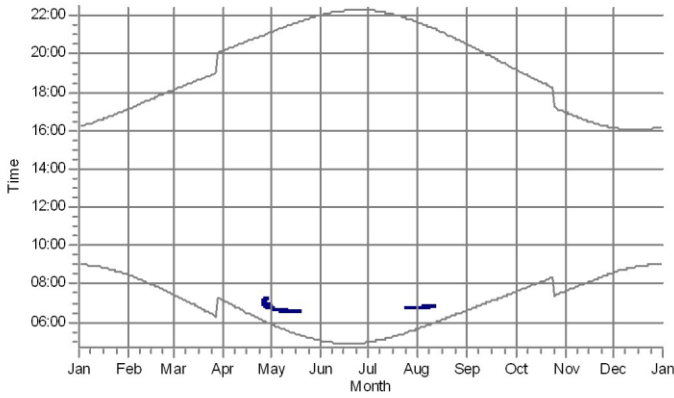
Calculated:

2021.12.03 09:05/3.5.552

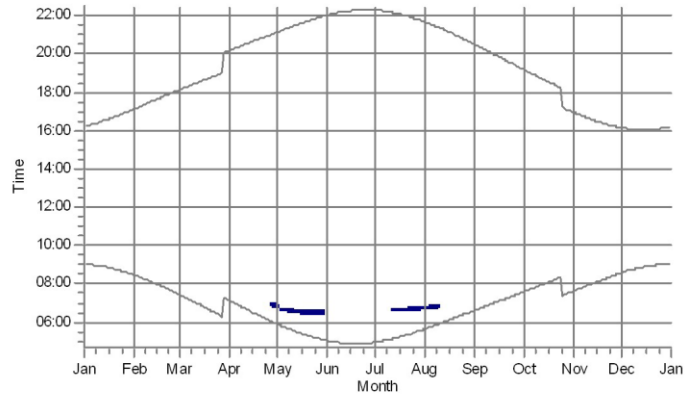
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

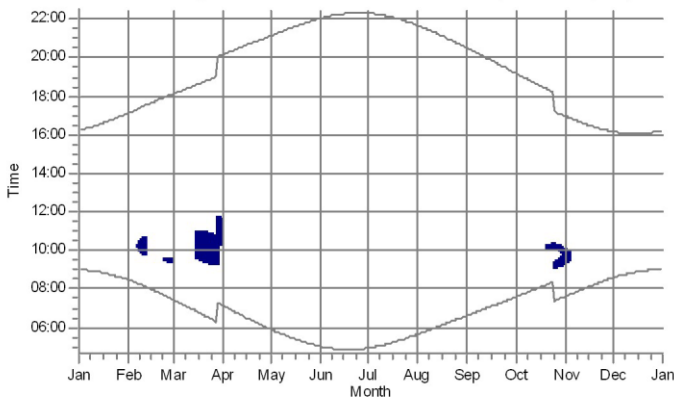
AK: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (98)*



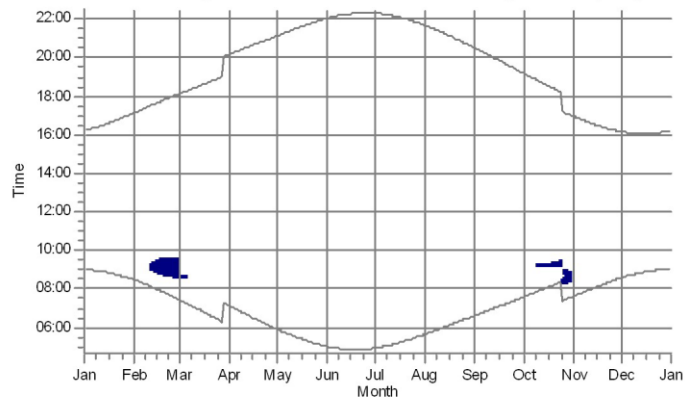
AL: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (99)*



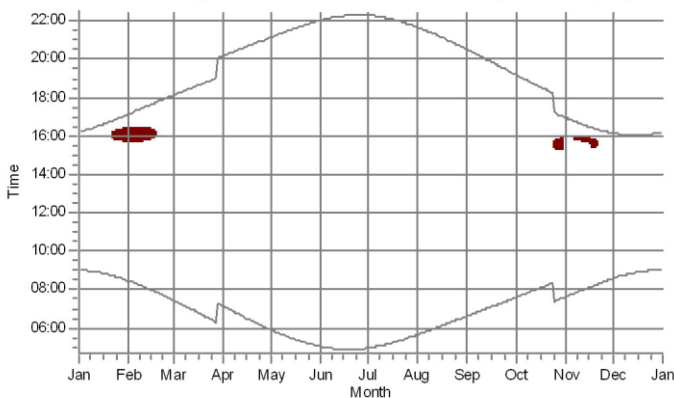
AM: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100)*



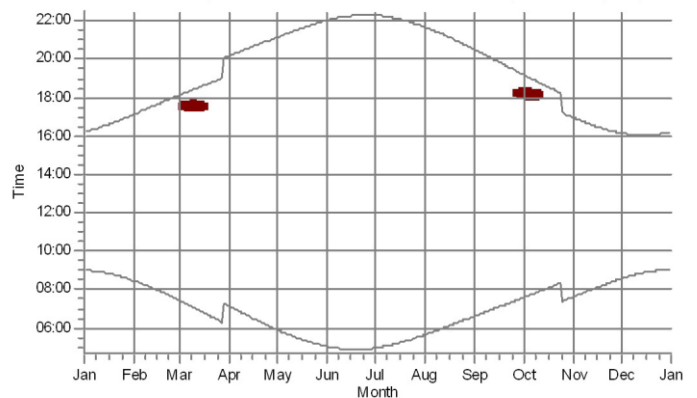
AN: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (101)*



AO: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (102)*



AP: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (103)



WTGs



7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

8: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

* Results reduced by flicker curtailment

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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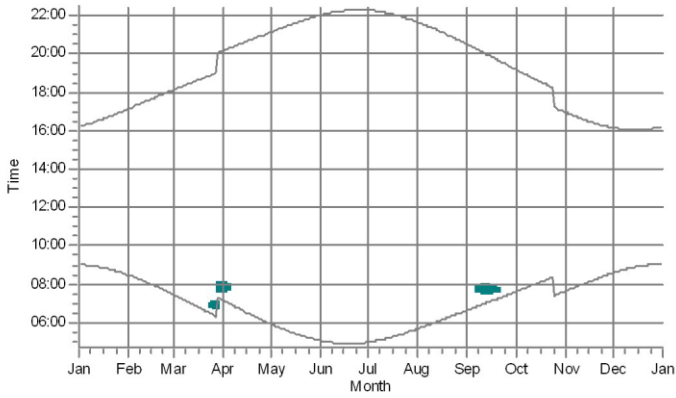
Calculated:

2021.12.03 09:05/3.5.552

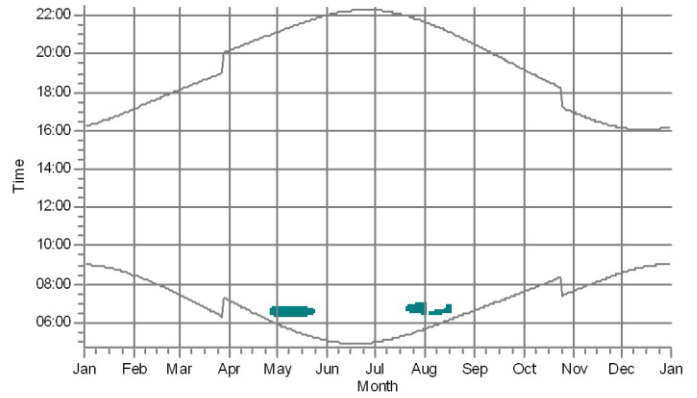
SHADOW - Calendar, graphical

Calculation: Enercon E138 shut down

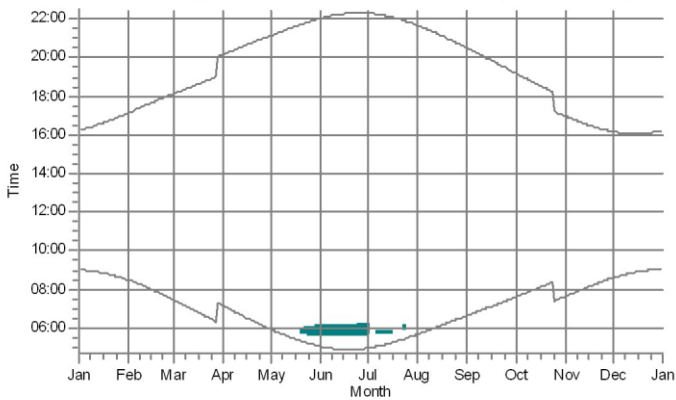
AQ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (104)



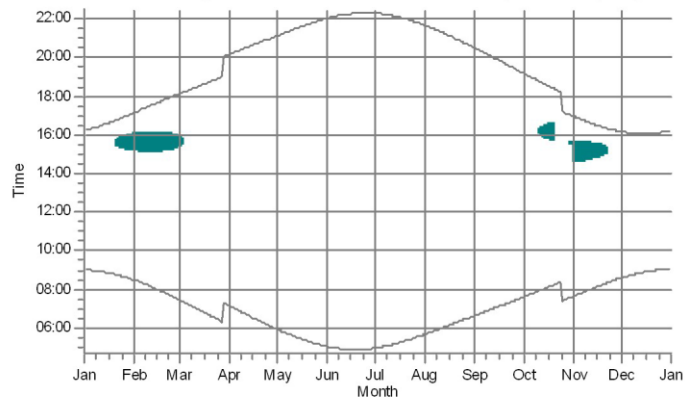
AR: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (105)*



AS: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (106)*



AT: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (107)*



WTGs

6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 9,72 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for individual days, showing sun rise/set times and shadow flicker minutes.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down WTG: 61 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (61)

Assumptions for shadow calculations

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 21:40	06:38 20:30	07:35 08:03-08:44/41 19:12	07:37 15:20-15:21/1 16:58 09:11-09:49/38	08:35 11:05-12:10/65 16:10
2	04:58 22:18	05:42 21:38	06:40 20:27	07:37 18:21-18:22/1 19:10 08:04-08:44/40	07:39 15:19-15:21/2 16:56 09:14-09:46/32	08:37 11:04-12:10/66 16:09
3	04:58 22:17	05:43 21:36	06:42 20:24	07:39 18:20-18:21/1 19:07 08:06-08:45/39	07:41 15:19-15:20/1 16:54 09:17-09:42/25	08:38 11:05-12:10/65 16:08
4	04:59 22:17	05:45 21:34	06:44 20:22	07:41 18:19-18:21/2 19:05 08:08-08:45/37	07:43 15:19-15:21/2 16:52 09:25-09:36/11	08:40 11:06-12:11/65 16:08
5	05:00 22:16	05:47 21:32	06:45 20:19	07:43 18:18-18:20/2 19:02 08:16-08:46/30	07:45 15:18-15:20/2 16:50	08:42 11:06-12:10/64 16:07
6	05:01 22:16	05:49 21:30	06:47 20:17	07:44 18:17-18:19/2 18:59 08:17-08:47/30	07:47 15:17-15:19/2 16:48	08:43 11:07-12:11/64 16:06
7	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:16-18:18/2 18:57 08:19-08:48/29	07:49 15:16-15:19/3 16:46	08:44 11:07-12:10/63 16:06
8	05:03 22:14	05:53 21:26	06:51 20:12	07:48 18:14-18:17/3 18:54 08:21-08:49/28	07:51 15:16-15:19/3 16:44	08:46 11:08-12:11/63 16:05
9	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:12-18:15/3 08:26-08:30/4 18:52 08:31-08:50/19	07:53 15:15-15:18/3 16:42	08:47 11:08-12:11/63 16:05
10	05:06 22:12	05:56 21:22	06:55 08:07-08:18/11 20:07	07:52 18:10-18:13/3 18:49 08:33-08:52/19	07:55 15:14-15:17/3 16:40	08:48 11:10-12:12/62 16:04
11	05:07 22:11	05:58 21:19	06:57 08:04-08:21/17 20:04	07:54 18:09-18:11/2 18:47 08:35-08:54/19	07:57 15:12-15:16/4 16:38	08:50 11:10-12:12/62 16:04
12	05:08 22:10	06:00 21:17	06:59 08:02-08:23/21 20:01	07:56 18:07-18:09/2 08:41-08:46/5 18:44 08:49-08:56/7	07:59 15:12-15:17/5 16:36	08:51 11:10-12:12/62 16:04
13	05:09 22:09	06:02 21:15	07:01 07:59-08:23/24 19:59	07:58 18:05-18:08/3 18:42 08:51-09:00/9	08:01 15:11-15:16/5 16:34	08:52 11:11-12:12/61 16:04
14	05:11 22:08	06:04 21:13	07:02 07:58-08:24/26 19:56	08:00 18:02-18:06/4 18:39 08:54-09:07/13	08:03 15:09-15:15/6 16:33	08:53 11:11-12:12/61 16:04
15	05:12 22:07	06:06 21:10	07:04 07:57-08:25/28 19:54	08:02 17:59-18:04/5 18:37 08:58-09:08/10	08:06 15:08-15:14/6 16:31	08:54 11:13-12:14/61 16:04
16	05:14 22:06	06:08 21:08	07:06 07:56-08:25/29 19:51	08:04 17:52-18:01/9 09:05-09:08/3 18:35 09:52-09:55/3	08:08 15:07-15:14/7 16:29	08:55 11:12-12:13/61 16:04
17	05:15 22:04	06:09 21:06	07:08 07:55-08:26/31 19:48 08:31-08:34/3	08:06 17:50-17:53/3 18:32 09:51-09:56/5	08:10 15:06-15:12/6 16:28 14:30-14:31/1	08:56 11:13-12:13/60 16:04
18	05:16 22:03	06:11 21:04	07:10 07:55-08:33/38 19:46	08:08 17:48-17:51/3 18:30 09:51-09:57/6	08:11 15:04-15:11/7 16:26 14:31-14:33/2	08:57 11:14-12:14/60 16:04
19	05:18 22:02	06:13 21:01	07:12 07:54-08:31/37 19:43	08:10 17:45-17:49/4 18:27 09:52-09:57/5	08:13 15:01-15:10/9 16:25 14:33-14:36/3	08:57 11:15-12:15/60 16:04
20	05:19 22:00	06:15 20:59	07:14 07:53-08:30/37 19:41	08:12 17:41-17:47/6 18:25 09:52-09:59/7	08:15 14:59-15:09/10 16:23 14:34-14:38/4	08:58 11:14-12:14/60 16:05
21	05:21 21:59	06:17 20:57	07:16 07:53-08:29/36 19:38	08:14 17:37-17:43/6 18:23 09:53-10:00/7	08:17 14:56-15:08/12 16:22 14:37-14:44/7	08:59 11:15-12:15/60 16:05
22	05:23 21:57	06:19 20:54	07:18 07:53-08:29/36 19:35	08:16 17:37-17:38/1 18:20 09:55-10:02/7	08:19 14:39-15:07/28 16:20	08:59 11:16-12:16/60 16:05
23	05:24 21:56	06:21 20:52	07:19 07:54-08:28/34 19:33	08:18 17:35-17:37/2 18:18 09:56-10:03/7	08:21 14:41-15:05/24 16:19	09:00 11:16-12:16/60 16:06
24	05:26 21:54	06:23 20:49	07:21 07:54-08:28/34 19:30	08:20 17:34-17:36/2 18:16 09:56-10:05/9	08:23 14:44-15:02/18 16:18	09:00 11:17-12:17/60 16:07
25	05:28 21:52	06:25 20:47	07:23 07:55-08:28/33 19:28	07:22 16:32-16:35/3 17:13 08:57-09:06/9	08:25 14:47-14:59/12 16:16	09:00 11:17-12:17/60 16:07
26	05:29 21:51	06:27 20:44	07:25 07:56-08:27/31 19:25	07:24 16:30-16:33/3 17:11 08:59-09:08/9	08:27 09:01-09:09/11 16:15	09:01 11:18-12:18/60 16:08
27	05:31 21:49	06:28 20:42	07:27 07:57-08:27/30 19:23	07:26 16:28-16:32/4 09:01-09:12/11 17:09 09:59-10:00/1	08:28 16:14 16:14	09:01 11:18-12:19/61 16:09
28	05:33 21:47	06:30 20:40	07:29 07:59-08:27/28 19:20	07:29 16:24-16:30/6 09:56-09:58/2 17:07 16:13-16:15/2 09:02-09:14/12	08:30 16:13 16:13	09:01 11:19-12:19/60 16:10
29	05:34 21:46	06:32 20:37	07:31 08:01-08:26/25 19:17	07:31 16:16-16:26/10 09:04-09:17/13 17:04 09:52-09:56/4	08:32 16:12 16:12	09:01 11:19-12:20/61 16:10
30	05:36 21:44	06:34 20:35	07:33 08:03-08:27/24 19:15	07:33 09:47-09:54/7 17:02 09:06-09:21/15	08:34 16:11 16:11	09:01 11:19-12:20/61 16:11
31	05:38 21:42	06:36 20:32		07:35 15:21-15:22/1 09:09-09:29/20 17:00 09:41-09:52/11		09:01 11:19-12:21/62 16:13
Potential sun hours	521	465	383	326	253	1913
Sum of minutes with flicker	0	0	613	652	304	1913

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for individual days, showing sun rise/set times and shadow calculations.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for time slots (04:57 to 21:42). Includes 'Potential sun hours' and 'Sum of minutes with flicker' at the bottom.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniķ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals (e.g., 09:01-09:39) and a final column for shadow duration (e.g., 05:02, 22:02).

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Īilutēs r.

Description:

Vējo elektrinīo (Īilutēs raj. sav. Usēno ir Juknaiēio sen.: Kavolīo, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down **WTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (3)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 20:56-20:58/2 21:40	06:38 20:29	07:35 19:12	07:37 08:25-08:44/19 16:58	08:35 09:19-10:15/56 16:10
2	04:58 22:18	05:41 20:55-20:57/2 21:38	06:40 20:27	07:37 19:10	07:39 08:24-08:45/21 16:56	08:37 09:20-10:16/56 16:09
3	04:58 22:17	05:43 20:54-20:57/3 21:36	06:42 20:24	07:39 19:07	07:41 08:24-08:45/21 16:54	08:38 09:21-10:16/55 16:08
4	04:59 22:17	05:45 20:54-20:56/2 21:34	06:43 20:22	07:40 19:04	07:43 08:24-08:46/22 16:52	08:40 09:22-10:17/55 16:08
5	05:00 22:16	05:47 20:53-20:56/3 21:32	06:45 20:19	07:42 19:02	07:45 09:25-09:32/7 16:49 08:24-08:46/22	08:41 09:22-10:17/55 16:07
6	05:01 22:15	05:49 20:51-20:54/3 21:30	06:47 20:17	07:44 18:59	07:47 09:21-09:36/15 16:47 08:23-08:46/23	08:43 09:24-10:17/53 16:06
7	05:02 22:15	05:51 20:49-20:53/4 21:28	06:49 20:14	07:46 18:57	07:49 09:19-09:38/19 16:46 08:23-08:45/22	08:44 09:24-10:17/53 16:06
8	05:03 22:14	05:52 20:47-20:51/4 21:26	06:51 20:12	07:48 18:54	07:51 09:18-09:40/22 16:44 08:24-08:46/22	08:46 09:26-10:18/52 16:05
9	05:04 22:13	05:54 20:42-20:48/6 21:24	06:53 20:09	07:50 18:52	07:53 09:17-09:41/24 16:42 08:26-08:45/19	08:47 09:26-10:18/52 16:05
10	05:06 22:12	05:56 20:42-20:45/3 21:21	06:55 20:06	07:52 18:49	07:55 09:16-09:42/26 16:40 08:28-08:45/17	08:48 09:28-10:19/51 16:04
11	05:07 22:11	05:58 20:42-20:43/1 21:19	06:57 20:04	07:54 18:47	07:57 09:15-09:43/28 16:38 08:30-08:44/14	08:49 09:29-10:19/50 16:04
12	05:08 22:10	06:00 20:41-20:43/2 21:17	06:59 20:01	07:56 18:44	07:59 09:15-09:44/29 16:36 08:33-08:44/11	08:51 09:29-10:19/50 16:04
13	05:09 22:09	06:02 20:40-20:41/1 21:15	07:00 19:59	07:58 18:42	08:01 09:49-09:59/10 08:35-08:42/7 16:34 09:14-09:45/31	08:52 09:30-10:19/49 16:04
14	05:11 22:08	06:04 20:39-20:41/2 21:13	07:02 19:21-19:22/1 19:56	08:00 18:39	08:03 09:46-10:01/15 08:37-08:40/3 16:33 09:14-09:45/31	08:53 09:31-10:19/48 16:04
15	05:12 22:07	06:06 20:38-20:39/1 21:10	07:04 19:20-19:22/2 19:54	08:02 18:37	08:05 09:14-10:03/49 16:31	08:54 09:32-10:19/47 16:04
16	05:13 22:06	06:07 21:08	07:06 19:19-19:21/2 19:51	08:04 18:34	08:07 09:14-10:06/52 16:29	08:55 09:34-10:20/46 16:04
17	05:15 22:04	06:09 21:06	07:08 19:17-19:19/2 19:48	08:06 18:32	08:09 09:14-10:07/53 16:28	08:56 09:35-10:20/45 16:04
18	05:16 22:03	06:11 20:31-20:32/1 21:03	07:10 19:14-19:16/2 19:46	08:08 18:30	08:11 09:14-10:08/54 16:26	08:56 09:36-10:21/45 16:04
19	05:18 22:02	06:13 20:23-20:30/7 21:01	07:12 19:10-19:14/4 19:43	08:10 18:27	08:13 09:13-10:09/56 16:25	08:57 09:37-10:22/45 16:04
20	05:19 22:00	06:15 20:59	07:14 19:02-19:11/9 19:41	08:12 18:25	08:15 09:13-10:09/56 16:23	08:58 09:37-10:21/44 16:05
21	05:21 21:59	06:17 20:56	07:16 19:38	08:14 18:23	08:17 09:14-10:11/57 16:22	08:58 09:39-10:22/43 16:05
22	05:23 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 09:15-10:12/57 16:20	08:59 09:39-10:22/43 16:05
23	05:24 21:56	06:21 20:52	07:19 19:33	08:18 18:18	08:21 09:15-10:12/57 16:19	08:59 09:40-10:23/43 16:06
24	05:26 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 09:15-10:13/58 16:18	09:00 09:39-10:24/45 16:06
25	05:27 20:59-21:00/1 21:52	06:25 20:47	07:23 19:28	07:22 17:13	08:25 09:16-10:13/57 16:16	09:00 09:39-10:24/45 16:07
26	05:29 21:51	06:26 20:08-20:09/1 20:44	07:25 19:25	07:24 17:11	08:27 09:16-10:14/58 16:15	09:01 09:40-10:25/45 16:08
27	05:31 20:59-21:00/1 21:49	06:28 20:07-20:08/1 20:42	07:27 19:22	07:26 17:09	08:28 09:17-10:14/57 16:14	09:01 09:40-10:26/46 16:09
28	05:33 20:58-20:59/1 21:47	06:30 20:06-20:07/1 20:39	07:29 19:20	07:28 17:06	08:30 09:17-10:15/58 16:13	09:01 09:39-10:26/47 16:10
29	05:34 20:58-20:59/1 21:45	06:32 20:05-20:07/2 20:37	07:31 19:17	07:30 08:29-08:40/11 17:04	08:32 09:18-10:15/57 16:12	09:01 09:39-10:27/48 16:10
30	05:36 20:58-20:59/1 21:44	06:34 20:04-20:05/1 20:34	07:33 19:15	07:33 08:27-08:41/14 17:02	08:33 09:19-10:16/57 16:11	09:01 09:38-10:27/49 16:11
31	05:38 20:57-20:58/1 21:42	06:36 20:32	 	07:35 08:27-08:43/16 17:00	 	09:01 09:38-10:27/49 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	6	53	22	41	1393	1510

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time ranges (Sunrise/Sunset) and potential sun hours. Summary row at the bottom shows total sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
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Operational time

0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 06:49-06:53/4 21:40 07:52-07:58/6	06:38 07:27-07:31/4 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	04:57 22:18	05:41 06:49-06:53/4 21:38 07:50-08:00/10	06:40 07:28-07:33/5 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	04:58 22:17	05:43 06:50-06:55/5 21:36 07:50-08:03/13	06:41 07:29-07:35/6 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	04:59 22:17	05:45 06:51-06:56/5 21:34 07:49-08:05/16	06:43 07:31-07:37/6 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	05:00 05:57-05:58/1 22:16	05:47 06:52-06:57/5 21:32 07:48-08:07/19	06:45 07:33-07:41/8 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	05:01 22:15	05:49 06:52-06:58/6 21:30 07:46-08:08/22	06:47 07:49-07:54/5 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	05:02 22:15	05:50 06:53-07:00/7 21:28 07:44-08:09/25	06:49 07:40-07:49/9 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	05:03 05:58-05:59/1 22:14	05:52 06:55-07:01/6 21:26 07:43-08:11/28	06:51 20:12	07:48 18:54	07:51 16:43	08:46 16:05
9	05:04 05:58-05:59/1 22:13	05:54 06:55-07:02/7 21:24 07:40-08:11/31	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	05:05 05:58-05:59/1 22:12	05:56 06:57-07:05/8 21:21 07:38-08:12/34	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	05:07 05:59-06:01/2 22:11	05:58 06:59-07:08/9 21:19 07:35-08:13/38	06:57 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	05:08 06:00-06:01/1 22:10	06:00 07:32-08:14/42 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:51 16:04
13	05:09 06:00-06:01/1 22:09	06:02 07:29-08:13/44 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	05:11 06:00-06:01/1 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	05:12 06:00-06:01/1 22:07	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	05:13 06:01-06:03/2 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:55 16:04
17	05:15 06:01-06:03/2 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	05:16 06:01-06:03/2 22:03	06:11 07:04-07:12/8 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	05:18 06:02-06:04/2 22:01	06:13 07:02-07:15/13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	05:19 06:02-06:05/3 22:00	06:15 07:25-07:26/1 20:59	07:14 19:40	08:12 18:25	08:15 16:23	08:58 16:04
21	05:21 06:04-06:06/2 21:59	06:17 07:25-07:26/1 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	05:22 06:04-06:07/3 21:57	06:19 07:24-07:25/1 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	05:24 06:05-06:08/3 21:55	06:21 07:24-07:26/2 20:52	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	05:26 06:06-06:09/3 21:54	06:23 07:24-07:26/2 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	05:27 06:07-06:11/4 21:52	06:24 07:24-07:26/2 20:47	07:23 19:28	07:22 17:13	08:25 16:16	09:00 16:07
26	05:29 06:08-06:13/5 21:51	06:26 07:25-07:27/2 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	05:31 06:25-06:26/1 06:47-06:50/3 21:49	06:28 07:24-07:27/3 20:42	07:27 19:22	07:26 17:09	08:28 16:14	09:01 16:09
28	05:32 06:12-06:23/11 21:47	06:30 07:25-07:27/2 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	05:34 06:47-06:51/4 21:45	06:32 07:25-07:28/3 20:37	07:31 19:17	07:30 17:04	08:32 16:12	09:01 16:10
30	05:36 06:48-06:52/4 21:43	06:34 07:26-07:29/3 20:34	07:33 19:15	07:32 17:02	08:33 16:11	09:01 16:11
31	05:38 06:48-06:52/4 21:42	06:36 07:27-07:31/4 20:32	 07:05-07:11/6	07:35 17:00	 16:11	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	143	636	56	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down WTG: 68 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (60)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes 'Potential sun hours' and 'Sum of minutes with flicker' at the bottom.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down **WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (6)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:01 16:14	08:27 15:16-16:02/46 17:08	07:27 15:28-15:51/23 18:07	07:08 07:41-08:01/20 20:10	05:55 06:23-06:46/23 21:09	05:02 05:37-06:01/24 22:02
2	09:00 16:15	08:26 15:15-16:03/48 17:10	07:24 15:33-15:47/14 18:09	07:05 07:41-08:01/20 20:11	05:53 06:22-06:47/25 21:10	05:01 05:38-06:02/24 22:04
3	09:00 16:16	08:24 15:15-16:03/48 17:12	07:22 18:11	07:03 07:42-07:59/17 20:13	05:51 06:21-06:48/27 21:12	05:00 05:37-06:02/25 22:05
4	09:00 16:18	08:22 15:15-16:04/49 17:15	07:19 18:14	07:00 07:43-07:58/15 20:15	05:49 06:21-06:48/27 21:14	04:59 05:37-06:02/25 22:06
5	08:59 16:19	08:20 15:13-16:04/51 17:17	07:17 18:16	06:58 07:44-07:55/11 20:17	05:46 06:20-06:48/28 21:16	04:58 05:37-06:02/25 22:07
6	08:59 16:20	08:18 15:13-16:05/52 17:19	07:14 18:18	06:55 20:19	05:44 06:20-06:48/28 21:18	04:57 05:38-06:03/25 22:08
7	08:58 16:22	08:16 15:13-16:05/52 17:21	07:12 18:20	06:53 20:21	05:42 06:19-06:48/29 21:20	04:56 05:38-06:03/25 22:09
8	08:58 16:23	08:14 15:13-16:06/53 17:23	07:09 18:22	06:50 20:23	05:40 06:19-06:48/29 21:22	04:56 05:38-06:04/26 22:10
9	08:57 16:25	08:12 15:13-16:07/54 17:25	07:07 18:24	06:48 20:25	05:38 06:19-06:48/29 21:24	04:55 05:38-06:03/25 22:11
10	08:57 16:26	08:10 15:13-16:07/54 17:27	07:04 18:26	06:45 20:27	05:36 06:19-06:48/29 21:26	04:55 05:39-06:04/25 22:12
11	08:56 16:28	08:08 15:12-16:07/55 17:29	07:02 18:28	06:43 20:29	05:34 06:20-06:48/28 21:28	04:54 05:38-06:03/25 22:13
12	08:55 16:30	08:06 15:12-16:07/55 17:32	06:59 18:30	06:40 20:31	05:32 06:20-06:48/28 21:30	04:54 05:39-06:04/25 22:14
13	08:54 16:31	08:04 15:13-16:07/54 17:34	06:57 18:32	06:38 20:33	05:30 06:20-06:47/27 21:31	04:53 05:39-06:04/25 22:15
14	08:53 16:33	08:01 15:12-16:07/55 17:36	06:54 18:34	06:35 20:35	05:29 06:21-06:47/26 21:33	04:53 05:40-06:05/25 22:15
15	08:52 16:35	07:59 15:13-16:07/54 17:38	06:52 18:36	06:33 20:37	05:27 06:21-06:46/25 21:35	04:53 05:39-06:04/25 22:16
16	08:51 16:37	07:57 15:13-16:07/54 17:40	06:49 18:38	06:30 20:39	05:25 06:21-06:45/24 21:37	04:52 05:39-06:04/25 22:17
17	08:50 16:38	07:55 15:13-16:06/53 17:42	06:46 18:40	06:28 20:41	05:23 06:22-06:45/23 21:39	04:52 05:40-06:05/25 22:17
18	08:49 16:40	07:53 15:14-16:06/52 17:44	06:44 18:42	06:25 20:43	05:21 06:23-06:44/21 21:40	04:52 05:40-06:05/25 22:18
19	08:48 16:42	07:50 15:14-16:06/52 17:46	06:41 18:44	06:23 20:45	05:20 06:24-06:43/19 21:42	04:52 05:40-06:05/25 22:18
20	08:46 16:44	07:48 15:14-16:05/51 17:49	06:39 18:46	06:20 20:47	05:18 05:48-05:51/3 21:44	04:52 05:40-06:05/25 22:18
21	08:45 15:31-15:41/10 16:46	07:46 15:16-16:04/48 17:51	06:36 18:48	06:18 20:49	05:17 05:47-05:54/7 21:46	04:52 05:41-06:06/25 22:19
22	08:44 15:28-15:45/17 16:48	07:43 15:16-16:03/47 17:53	06:34 18:50	06:16 20:51	05:15 05:46-05:56/10 21:47	04:53 05:41-06:06/25 22:19
23	08:42 15:25-15:47/22 16:50	07:41 15:17-16:02/45 17:55	06:31 18:52	06:13 20:53	05:13 05:44-05:56/12 21:49	04:53 05:41-06:06/25 22:19
24	08:41 15:24-15:50/26 16:52	07:39 15:18-16:01/43 17:57	06:28 06:53-07:00/7 18:54	06:11 20:55	05:12 05:43-05:57/14 21:50	04:53 05:41-06:06/25 22:19
25	08:39 15:22-15:52/30 16:54	07:36 15:20-16:00/40 17:59	06:26 06:50-07:01/11 18:56	06:09 20:57	05:11 05:42-05:59/17 21:52	04:53 05:42-06:07/25 22:19
26	08:38 15:21-15:54/33 16:56	07:34 15:22-15:59/37 18:01	06:23 06:48-07:03/15 18:58	06:06 20:59	05:09 05:41-05:59/18 21:54	04:54 05:41-06:06/25 22:19
27	08:36 15:19-15:55/36 16:58	07:31 15:23-15:56/33 18:03	06:21 06:45-07:03/18 19:00	06:04 21:01	05:08 05:39-05:59/20 21:55	04:54 05:42-06:07/25 22:19
28	08:34 15:19-15:57/38 17:00	07:29 15:26-15:55/29 18:05	06:18 06:43-07:03/20 19:02	06:02 21:03	05:07 05:38-06:00/22 21:57	04:55 05:42-06:07/25 22:19
29	08:33 15:18-15:58/40 17:02		07:16 07:41-08:03/22 20:04	05:59 21:05	05:05 05:37-06:00/23 21:58	04:56 05:42-06:08/26 22:19
30	08:31 15:17-16:00/43 17:04		07:13 07:41-08:02/21 20:06	05:57 21:07	05:04 05:37-06:01/24 21:59	04:56 05:43-06:08/25 22:18
31	08:29 15:17-16:01/44 17:06		07:10 07:41-08:02/21 20:08		05:03 05:37-06:01/24 22:01	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	339	1364	172	144	734	750

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilē / r.survile@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 21:40	06:38 20:29	07:35 19:12	07:37 14:42-15:36/54 16:58	08:35 16:10
2	04:58 22:17	05:41 21:38	06:40 20:27	07:37 19:10	07:39 14:42-15:36/54 16:56	08:37 16:09
3	04:59 22:17	05:43 21:36	06:42 20:24	07:38 19:07	07:41 14:43-15:36/53 16:54	08:38 16:08
4	04:59 22:16	05:45 06:29-06:30/1 21:34	06:43 20:22	07:40 19:04	07:43 14:43-15:35/52 16:52	08:40 16:08
5	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 14:44-15:35/51 16:50	08:41 16:07
6	05:01 22:15	05:49 06:29-06:30/1 21:30	06:47 20:17	07:44 18:59	07:47 14:44-15:35/51 16:48	08:43 16:06
7	05:02 05:43-05:44/1 22:14	05:51 06:29-06:30/1 21:28	06:49 07:40-07:50/10 20:14	07:46 18:57	07:49 14:44-15:34/50 16:46	08:44 16:06
8	05:03 22:14	05:52 06:30-06:31/1 21:26	06:51 07:37-07:52/15 20:12	07:48 18:54	07:51 14:45-15:33/48 16:44	08:45 16:05
9	05:05 22:13	05:54 06:30-06:32/2 21:23	06:53 07:36-07:53/17 20:09	07:50 18:52	07:53 14:46-15:33/47 16:42	08:47 16:05
10	05:06 05:45-05:46/1 22:12	05:56 06:30-06:32/2 21:21	06:55 07:35-07:54/19 20:06	07:52 18:49	07:55 14:47-15:32/45 16:40	08:48 16:05
11	05:07 05:45-05:46/1 22:11	05:58 06:31-06:33/2 21:19	06:57 07:34-07:55/21 20:04	07:54 16:11-16:16/5 18:47	07:57 14:48-15:31/43 16:38	08:49 16:04
12	05:08 05:45-05:46/1 22:10	06:00 06:32-06:34/2 21:17	06:59 07:32-07:54/22 20:01	07:56 16:04-16:22/18 18:44	07:59 14:48-15:30/42 16:36	08:50 16:04
13	05:09 05:45-05:47/2 22:09	06:02 06:33-06:36/3 21:15	07:00 07:32-07:54/22 19:59	07:58 16:00-16:25/25 18:42	08:01 14:50-15:30/40 16:34	08:51 16:04
14	05:11 05:46-05:47/1 22:08	06:04 06:34-06:37/3 21:12	07:02 07:32-07:53/21 19:56	08:00 15:57-16:28/31 18:39	08:03 14:51-15:29/38 16:33	08:53 16:04
15	05:12 05:47-05:48/1 22:07	06:06 06:48-06:49/1 21:10 06:36-06:41/5	07:04 07:32-07:53/21 19:53	08:02 15:54-16:29/35 18:37	08:05 14:52-15:28/36 16:31	08:54 16:04
16	05:14 22:05	06:07 06:40-06:45/5 21:08	07:06 07:34-07:52/18 19:51	08:04 15:52-16:30/38 18:34	08:07 14:54-15:26/32 16:29	08:54 16:04
17	05:15 22:04	06:09 21:06	07:08 07:36-07:51/15 19:48	08:06 15:51-16:32/41 18:32	08:09 14:56-15:26/30 16:28	08:55 16:04
18	05:16 22:03	06:11 21:03	07:10 07:37-07:49/12 19:46	08:08 15:49-16:33/44 18:30	08:11 14:58-15:24/26 16:26	08:56 16:04
19	05:18 22:01	06:13 21:01	07:12 07:39-07:47/8 19:43	08:10 15:48-16:34/46 18:27	08:13 15:00-15:22/22 16:25	08:57 16:04
20	05:19 22:00	06:15 20:59	07:14 07:41-07:44/3 19:40	08:12 18:25	08:15 15:03-15:20/17 16:23	08:58 16:05
21	05:21 06:40-06:48/8 21:58	06:17 20:56	07:16 19:38	08:14 18:23	08:17 15:06-15:16/10 16:22	08:58 16:05
22	05:23 06:37-06:50/13 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	05:24 05:58-06:03/5 21:55 06:36-06:52/16	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	05:26 06:35-06:52/17 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 16:18	09:00 16:07
25	05:28 06:34-06:54/20 21:52	06:25 20:47	07:23 19:28	07:22 17:13	08:24 16:16	09:00 16:07
26	05:29 06:33-06:54/21 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	05:31 06:32-06:56/24 21:49	06:28 20:42	07:27 19:22	07:26 17:09	08:28 16:14	09:01 16:09
28	05:33 06:31-06:56/25 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:10
29	05:34 06:31-06:57/26 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:32 16:12	09:01 16:11
30	05:36 06:31-06:58/27 21:43	06:34 20:34	07:33 19:15	07:32 15:36-15:37/1 17:02	08:33 16:11	09:01 16:12
31	05:38 06:30-06:57/27 21:42	06:36 20:32		07:34 15:35-15:36/1 17:00		09:01 16:13
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	237	29	224	285	841	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset, and potential sun hours. Summary rows at the bottom show total potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:39 06:43-06:47/4 21:39	06:38 08:07-08:08/1 20:29 07:28-07:34/6	07:34 19:12	07:36 09:23-10:01/38 16:58	08:35 16:10
2	04:57 22:17	05:41 06:43-06:46/3 21:38	06:39 08:04-08:08/4 20:27 07:29-07:36/7	07:36 19:09	07:38 09:27-09:58/31 16:55	08:36 16:09
3	04:58 22:17	05:43 06:44-06:47/3 21:36	06:41 08:00-08:08/8 20:24 07:31-07:40/9	07:38 19:07	07:40 09:32-09:53/21 16:53	08:38 16:08
4	04:59 22:16	05:45 06:45-06:48/3 21:34	06:43 07:51-08:08/17 20:22 07:34-07:49/15	07:40 19:04	07:43 16:51	08:40 16:07
5	05:00 22:16	05:47 06:45-06:48/3 21:32	06:45 07:35-08:07/32 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	05:01 22:15	05:48 06:46-06:50/4 21:30	06:47 07:36-08:07/31 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	05:02 22:14	05:50 06:47-06:50/3 21:27	06:49 07:38-08:07/29 20:14	07:46 18:57	07:49 16:45	08:44 16:05
8	05:03 22:13	05:52 06:48-06:51/3 21:25	06:51 07:41-08:07/26 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	05:04 22:13	05:54 06:48-06:50/2 21:23	06:53 07:42-08:07/25 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	05:05 22:12	05:56 06:49-06:51/2 21:21	06:55 07:43-08:06/23 20:06	07:52 09:12-09:13/1 18:49	07:55 16:40	08:48 16:04
11	05:07 22:11	05:58 06:50-06:51/1 21:19	06:56 07:46-08:07/21 20:04	07:54 09:12-09:13/1 18:47	07:57 16:38	08:49 16:04
12	05:08 06:39-06:40/1 22:10	06:00 06:49-06:51/2 21:17	06:58 07:48-08:07/19 20:01	07:56 09:12-09:13/1 18:44	07:59 16:36	08:50 16:04
13	05:09 06:39-06:40/1 22:09	06:02 06:50-06:52/2 21:15	07:00 07:49-08:08/19 19:58	07:58 09:12-09:13/1 18:42	08:01 16:34	08:51 16:04
14	05:10 06:39-06:40/1 22:08	06:03 06:50-06:53/3 21:12	07:02 07:51-08:08/17 19:56	08:00 09:12-09:13/1 18:39	08:03 16:32	08:52 16:03
15	05:12 22:06	06:05 06:51-06:54/3 21:10	07:04 07:53-08:09/16 19:53	08:02 09:12-09:14/2 18:37	08:05 16:31	08:53 16:03
16	05:13 22:05	06:07 06:52-06:55/3 21:08	07:06 07:55-08:09/14 19:51	08:04 09:12-09:14/2 18:34	08:07 16:29	08:54 16:03
17	05:15 06:39-06:40/1 22:04	06:09 06:52-06:55/3 21:05	07:08 07:56-08:10/14 19:48	08:06 09:12-09:15/3 18:32	08:09 16:27	08:55 16:04
18	05:16 06:39-06:40/1 22:03	06:11 06:53-06:57/4 21:03	07:10 07:58-08:11/13 19:45	08:08 09:13-09:16/3 18:29	08:11 16:26	08:56 16:04
19	05:18 06:40-06:41/1 22:01	06:13 06:54-06:59/5 21:01	07:11 08:00-08:12/12 19:43	08:10 09:14-09:17/3 18:27	08:13 16:24	08:57 16:04
20	05:19 06:40-06:41/1 22:00	06:15 06:56-07:01/5 20:58	07:13 08:03-08:14/11 19:40	08:12 09:14-09:18/4 18:25 10:08-10:11/3	08:15 16:23	08:57 16:04
21	05:21 06:39-06:41/2 21:58	06:17 06:57-07:03/6 20:56	07:15 08:04-08:15/11 19:38	08:14 09:15-09:19/4 18:22 10:06-10:12/6	08:17 16:21	08:58 16:05
22	05:22 06:40-06:42/2 21:57	06:19 07:13-07:16/3 20:54 06:59-07:10/11	07:17 08:06-08:17/11 19:35	08:16 09:15-09:20/5 18:20 10:05-10:13/8	08:19 16:20	08:59 16:05
23	05:24 06:40-06:42/2 21:55	06:20 07:04-07:18/14 20:51	07:19 08:08-08:20/12 19:32 08:51-08:53/2	08:18 09:16-09:21/5 18:18 10:06-10:15/9	08:21 16:19	08:59 16:06
24	05:26 06:40-06:43/3 21:54	06:22 07:14-07:20/6 20:49	07:21 08:10-08:22/12 19:30 08:46-08:50/4	08:20 09:18-09:24/6 18:15 10:08-10:18/10	08:22 16:17	09:00 16:06
25	05:27 06:40-06:42/2 21:52	06:24 07:15-07:23/8 20:46	07:23 08:41-08:49/8 19:27 08:11-08:27/16	08:24 09:20-09:26/7 17:13 10:15-10:17/2	08:24 16:16	09:00 16:07
26	05:29 06:41-06:43/2 21:50	06:26 07:17-07:23/6 20:44	07:25 08:12-08:47/35 19:25	08:24 09:21-09:28/12 17:11 10:12-10:15/3	08:26 16:15	09:00 16:08
27	05:31 06:42-06:44/2 21:49	06:28 07:19-07:25/6 20:42	07:27 08:14-08:44/30 19:22	08:26 09:22-09:29/11 17:08 08:23-08:32/9 09:12-09:25/13	08:28 16:14	09:00 16:08
28	05:32 06:41-06:44/3 21:47	06:30 07:21-07:27/6 20:39	07:29 08:17-08:41/24 19:20	08:28 09:24-09:31/6 17:06 08:25-08:38/13 09:13-09:28/15	08:30 16:13	09:01 16:09
29	05:34 06:42-06:45/3 21:45	06:32 07:22-07:29/7 20:37	07:31 08:20-08:37/17 19:17	08:31 09:28-09:35/7 17:04 10:01-10:09/8	08:31 16:12	09:01 16:10
30	05:36 06:42-06:45/3 21:43	06:34 07:24-07:31/7 20:34	07:32 08:17-08:41/24 19:14	08:33 09:30-09:37/6 17:02 09:55-10:07/12	08:33 16:11	09:01 16:11
31	05:38 06:43-06:46/3 21:41	06:36 07:26-07:32/6 20:32	07:34 09:20-10:04/44 17:00	08:34 09:31-09:38/5 17:00	08:33 16:11	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	34	147	571	317	90	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut downWTG: 8 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains sun rise and set times and potential sun hours. Includes a summary row for 'Potential sun hours' and 'Sum of minutes with flicker'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 shut down **WTG: 8 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:39	06:37	07:34 18:01-18:25/24	07:36	08:35
	22:17	21:39	20:29	19:12	16:57	16:10
2	04:57	05:41	06:39	07:36 18:00-18:26/26	07:38	08:36
	22:17	21:37	20:26	19:09	16:55	16:09
3	04:58	05:43	06:41	07:38 17:59-18:26/27	07:40	08:38
	22:17	21:35	20:24	19:07	16:53	16:08
4	04:59	05:45	06:43	07:40 17:59-18:25/26	07:42	08:39
	22:16	21:33	20:21	19:04	16:51	16:07
5	05:00	05:47	06:45	07:42 17:57-18:24/27	07:44	08:41
	22:15	21:31	20:19	19:01	16:49	16:07
6	05:01	05:48	06:47	07:44 17:57-18:23/26	07:46	08:42
	22:15	21:29	20:16	18:59	16:47	16:06
7	05:02	05:50	06:49	07:46 17:57-18:23/26	07:49 15:52-15:53/1	08:44
	22:14	21:27	20:14	18:56	16:45	16:05
8	05:03	05:52	06:51	07:48 17:59-18:23/24	07:51	08:45
	22:13	21:25	20:11	18:54	16:43	16:05
9	05:04	05:54	06:53	07:50 17:59-18:22/23	07:53 15:51-15:52/1	08:46
	22:12	21:23	20:09	18:51	16:41	16:04
10	05:05	05:56	06:54	07:52 18:00-18:19/19	07:55 15:50-15:51/1	08:48
	22:11	21:21	20:06	18:49	16:39	16:04
11	05:07	05:58	06:56	07:54 18:01-18:16/15	07:57 15:50-15:52/2	08:49
	22:11	21:19	20:03	18:46	16:38	16:04
12	05:08	06:00	06:58	07:56 18:03-18:14/11	07:59 15:49-15:51/2	08:50
	22:09	21:17	20:01	18:44	16:36	16:04
13	05:09	06:01	07:00	07:58	08:01 15:48-15:50/2	08:51
	22:08	21:14	19:58	18:41	16:34	16:03
14	05:10	06:03	07:02	08:00	08:03 15:47-15:50/3	08:52
	22:07	21:12	19:56	18:39	16:32	16:03
15	05:12	06:05	07:04	08:02	08:05 15:47-15:50/3	08:53
	22:06	21:10	19:53	18:37	16:31	16:03
16	05:13	06:07	07:06	08:04	08:07 15:45-15:49/4	08:54
	22:05	21:08	19:50	18:34	16:29	16:03
17	05:15	06:09	07:08	08:06	08:09 15:43-15:48/5	08:55
	22:04	21:05	19:48	18:32	16:27	16:03
18	05:16	06:11	07:09	08:08	08:11 15:41-15:46/5	08:56
	22:02	21:03	19:45	18:29	16:26 15:28-15:29/1	16:04
19	05:18	06:13	07:11	08:10	08:13 15:36-15:44/8	08:56
	22:01	21:01	19:43	18:27	16:24 15:29-15:34/5	16:04
20	05:19	06:15	07:13	08:12	08:15 15:33-15:43/10	08:57
	22:00	20:58	19:40	18:24	16:23	16:04
21	05:21	06:17	07:15	08:14	08:17	08:58
	21:58	20:56	19:38	18:22	16:21	16:05
22	05:22	06:18	07:17	08:16	08:19	08:58
	21:57	20:53	19:35	18:20	16:20	16:05
23	05:24	06:20	07:19	08:18	08:20	08:59
	21:55	20:51	19:32	18:17	16:19	16:06
24	05:25	06:22	07:21	08:20	08:22	08:59
	21:53	20:49	19:30	18:15	16:17	16:06
25	05:27	06:24	07:23	07:22 15:30-15:42/12	08:24	09:00
	21:52	20:46	19:27	17:13	16:16	16:07
26	05:29	06:26	07:25 18:11-18:18/7	07:24 15:28-15:45/17	08:26	09:00
	21:50	20:44	19:25	17:11	16:15	16:08
27	05:31	06:28	07:27 18:07-18:21/14	07:26 15:25-15:47/22	08:28	09:00
	21:48	20:41	19:22	17:08	16:14	16:08
28	05:32	06:30	07:28 18:05-18:23/18	07:28 15:23-15:48/25	08:29	09:00
	21:47	20:39	19:19	17:06	16:13	16:09
29	05:34	06:32	07:30 18:03-18:24/21	07:30 15:22-15:49/27	08:31	09:00
	21:45	20:36	19:17	17:04	16:12	16:10
30	05:36	06:34	07:32 18:02-18:25/23	07:32 15:22-15:50/28	08:33	09:00
	21:43	20:34	19:14	17:02	16:11	16:11
31	05:38	06:36		07:34		09:00
	21:41	20:31		17:00		16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	0	0	83	405	53	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

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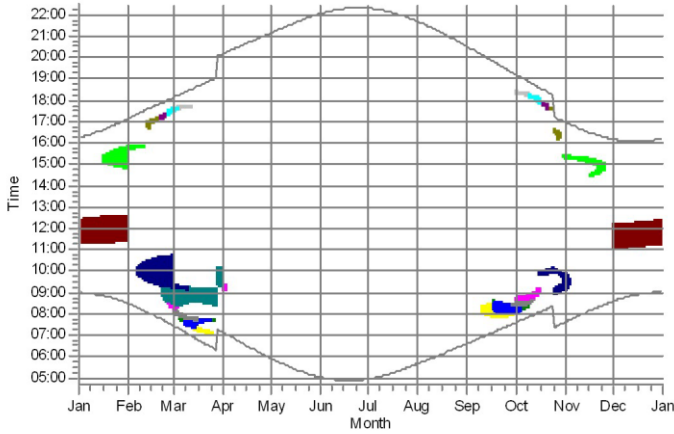
Calculated:

2021.12.03 09:05/3.5.552

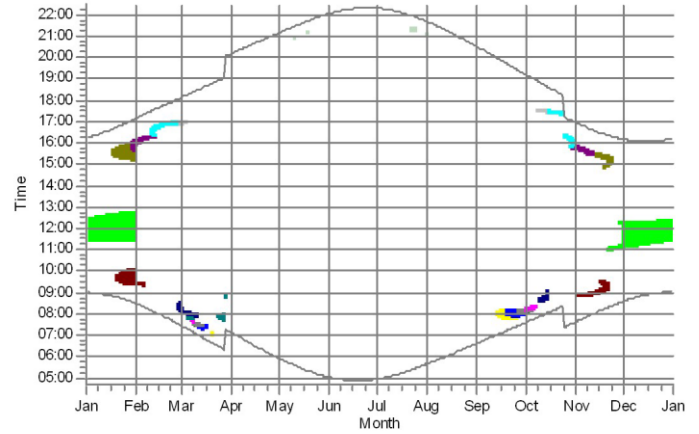
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 shut down

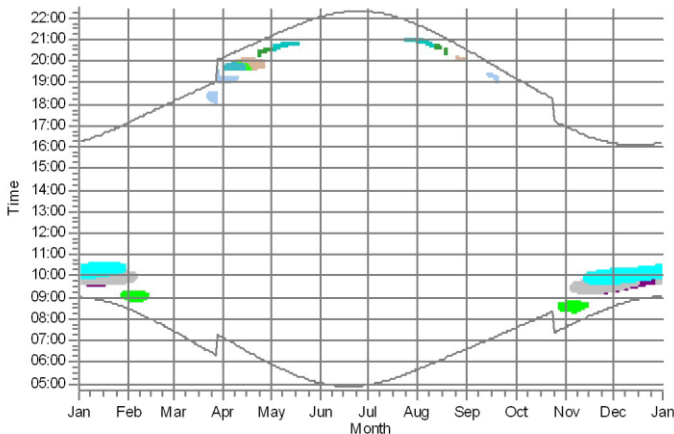
1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)



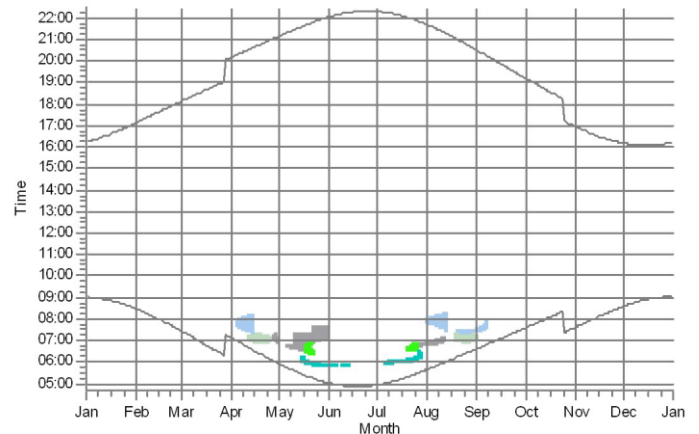
2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)



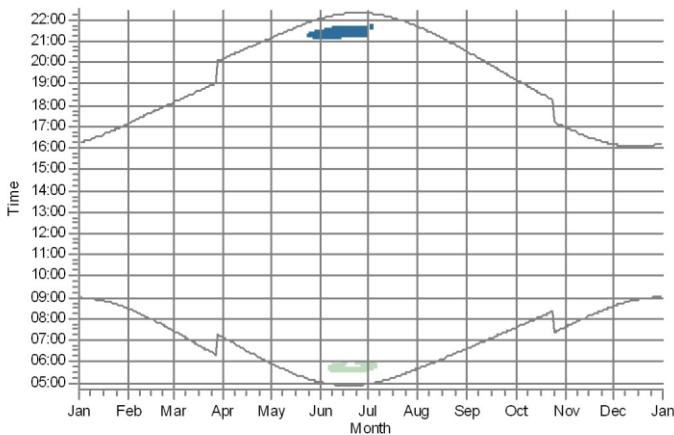
3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)



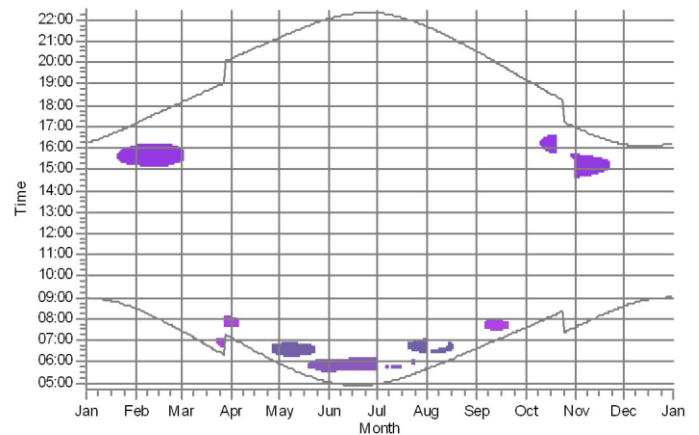
4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)



5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)



6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (6)



Shadow receptors

A: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)*
 B: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63)*
 C: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)*
 D: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)*
 E: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)*
 F: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)*
 G: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68)*
 H: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)*
 I: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)*

J: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)*
 K: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)*
 L: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)*
 M: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (74)*
 N: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)*
 O: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)*
 P: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)*
 Q: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)*
 R: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79)*

S: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)*
 T: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)*
 U: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)*
 V: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83)*
 AQ: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104)
 AR: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105)*
 AS: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106)*
 AT: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107)*

* Results reduced by flicker curtailment

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindņiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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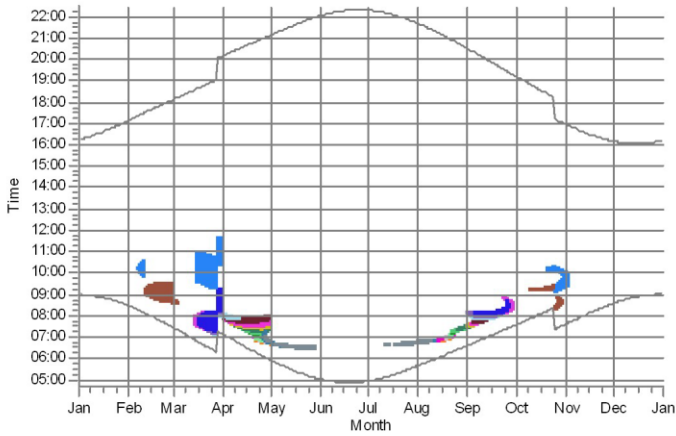
Calculated:

2021.12.03 09:05/3.5.552

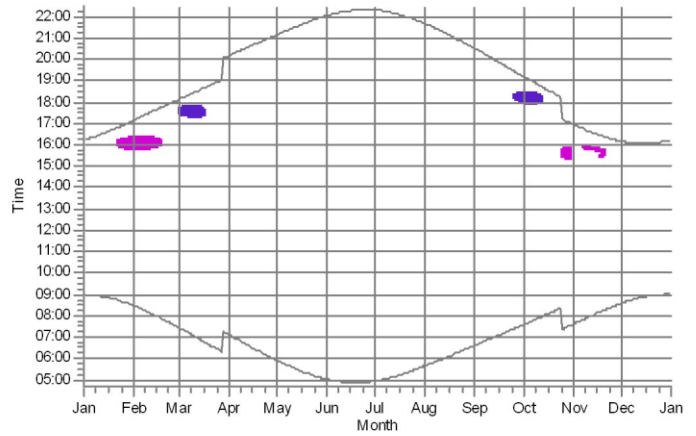
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 shut down

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)



8: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)



Shadow receptors

W: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84)*
 X: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)*
 Y: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)*
 Z: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)*
 AA: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)*
 AB: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (89)*
 AC: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)*

AD: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)*
 AE: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92)*
 AF: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)*
 AG: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)*
 AH: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)*
 AI: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96)*
 AJ: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97)*

AK: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)*
 AL: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)*
 AM: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)*
 AN: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)*
 AO: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)*
 AP: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)*

* Results reduced by flicker curtailment

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniķ (Īilutēs raj. sav. Usēnķ ir Juknaiēķ sen.: Kavoliķ, Stremeniķ, Kūģeliķ, Okslindpiķ, Skieriķ bei Menklaukiķ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (1)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1		14:52-15:43 11:28-12:33	16:35-17:33 15:00-15:40 09:19-10:43	10:21-11:08 09:17-10:11 08:11-08:28		
2		14:51-15:44 11:29-12:33	16:36-17:35 15:03-15:38 09:18-10:43	10:24-11:05 09:18-10:09 08:14-08:25		
3		14:51-15:45 11:30-12:32	16:36-17:35 15:06-15:35 09:17-10:43 08:08-08:18	10:26-11:00 09:18-10:06		
4		14:51-15:46 11:30-12:32	16:38-17:37 15:10-15:32 09:17-10:44 08:04-08:23	10:30-10:56 09:28-10:03		
5		14:50-15:47 11:31-12:32	16:39-17:38 15:16-15:25 09:15-10:43 08:00-08:26	10:37-10:46 09:30-09:59		
6		14:50-15:48 11:32-12:31	16:42-17:40 09:15-10:44 07:58-08:28	09:34-09:55		
7		14:50-15:49 11:33-12:30	16:45-17:40 09:14-10:43 07:55-08:29	09:42-09:46		
8		14:49-15:49 11:33-12:29	16:47-17:41 09:13-10:43 07:53-08:30			
9		14:49-15:50 11:35-12:28	16:48-17:42 09:13-10:43 07:52-08:32			
10		14:49-15:51 11:36-12:27	16:48-17:42 09:12-10:42 07:50-08:32			
11		14:49-15:51 11:38-12:26	16:50-17:43 09:12-10:42 07:50-08:34			
12		14:49-15:51 11:39-12:23	16:50-17:42 09:11-10:41 07:48-08:34			
13		14:49-15:52 11:41-12:21	16:51-17:42 09:11-10:41 07:48-08:35			
14		16:44-16:55 14:49-15:52 11:44-12:19	16:54-17:42 09:10-10:40 07:47-08:35			
15		16:40-16:58 14:49-15:51 11:46-12:16	16:56-17:41 09:09-10:39 07:46-08:34 07:24-07:30			
16		16:39-17:01 14:49-15:51 11:50-12:12	17:08-17:41 09:09-10:39 07:46-08:35 07:20-07:35			
17		16:38-17:03 14:50-15:52 11:58-12:05	17:08-17:40 09:09-10:38 07:45-08:34 07:16-07:37			
18		16:37-17:04 14:50-15:51	17:09-17:38 09:09-10:37 07:45-08:35 07:15-07:39			
19		16:36-17:05 14:50-15:51	17:10-17:37 09:08-10:36 07:44-08:34 07:13-07:40			
20		16:36-17:07 14:51-15:51	17:11-17:35 09:08-10:34 07:44-08:33 07:11-07:41			
21		16:35-17:07 14:51-15:49	17:14-17:33 09:08-10:33 07:44-08:33 07:10-07:42			
22		16:35-17:12 14:52-15:49	17:16-17:30 09:08-10:31 07:44-08:32 07:09-07:42			
23		16:34-17:15 14:53-15:48	09:08-10:30 07:44-08:32 07:09-07:43			
24		16:34-17:17 14:54-15:47	09:08-10:28 07:44-08:31 07:07-07:42			
25		16:34-17:18 14:54-15:46	09:08-10:26 07:44-08:29 07:07-07:42			
26		16:34-17:20 14:56-15:45	09:08-10:25 07:45-08:28 07:07-07:38			
27		16:34-17:28 14:57-15:43	09:08-10:22 07:51-08:27 07:07-07:36			
28		16:35-17:31 14:59-15:42	09:09-10:20 07:54-08:26 07:07-07:36			
29			10:09-11:18 08:58-09:24 08:08-08:34			
30			10:19-11:15 10:10-10:16 09:06-09:22 08:09-08:33			
31			10:20-11:12 10:09-10:13 09:07-09:19 08:09-08:31			

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniĀ (Āilutēs raj. sav. Usēno ir Juknaiēno sen.: KavoliĀ, StremeniĀ, KūgeliĀ, OkslindpiĀ, SkieriĀ bei MenklaukiĀ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Flicker curtailment according to specified plan

	July	August	September	October	November	December
1				17:30-18:22 08:44-11:20	14:19-15:20 11:06-11:57	
2				17:28-18:21 08:44-11:20	14:19-15:19 11:04-11:58	
3				17:27-18:20 08:45-11:20	14:19-15:19 11:03-11:58	
4				17:26-18:19 08:45-11:20	14:20-15:19 11:03-12:00	
5			09:40-09:41	17:25-18:18 08:46-11:20	14:20-15:18 11:02-12:01	
6			09:31-09:51	17:24-18:17 08:47-11:19	14:20-15:17 11:01-12:01	
7			10:34-10:40 09:26-09:54	17:19-18:16 08:48-11:19	14:20-15:16 11:00-12:02	
8			10:25-10:49 09:23-09:57	17:15-18:14 08:49-11:19	14:22-15:16 11:00-12:03	
9			10:21-10:54 09:09-10:00	17:13-18:12 15:47-16:03 08:50-11:18	14:22-15:15 11:00-12:04	
10			10:17-10:58 09:05-10:02	17:11-18:10 15:42-16:07 08:52-11:18	14:23-15:14 10:59-12:04	
11			10:15-11:01 09:02-10:04	17:10-18:09 15:38-16:10 08:54-11:17	14:23-15:12 10:59-12:04	
12			10:11-11:03 08:59-10:05	17:08-18:07 15:35-16:12 08:56-11:16	14:25-15:12 10:59-12:05	
13			10:09-11:05 08:56-10:06	17:07-18:05 15:33-16:13 09:00-11:15	14:25-15:11 10:59-12:06	
14			10:08-11:08 08:49-10:07	17:06-18:02 15:31-16:16 09:07-11:16	14:26-15:09 10:58-12:06	
15			08:44-11:10	17:07-17:59 15:29-16:17 09:08-11:15	14:27-15:08 10:58-12:06	
16			08:41-11:11	17:06-17:52 15:28-16:17 09:55-11:14 09:10-09:52	14:29-15:07 10:59-12:07	
17			08:34-11:13	17:06-17:50 15:26-16:18 09:56-11:13 09:12-09:49	14:31-15:06 10:59-12:07	
18			08:33-11:14	17:05-17:48 15:25-16:19 09:57-11:12 09:14-09:46	14:33-15:04 10:59-12:07	
19			08:31-11:15	17:05-17:45 15:24-16:19 09:57-11:11 09:17-09:43	14:36-15:01 10:59-12:07	
20			08:30-11:16	17:05-17:41 15:22-16:20 09:59-11:09 09:22-09:38	14:38-14:59 10:59-12:07	
21			18:02-18:14 08:29-11:17	17:05-17:37 15:21-16:20 10:00-11:08	14:44-14:56 11:00-12:08	
22			17:59-18:17 08:29-11:18	17:06-17:37 15:21-16:21 10:02-11:08	11:00-12:08	
23			17:56-18:19 08:28-11:18	17:07-17:35 15:21-16:21 10:03-11:06	11:00-12:09	
24			17:54-18:20 08:28-11:19	17:07-17:34 15:20-16:21 10:05-11:05	11:01-12:09	
25			17:53-18:21 08:28-11:20	16:08-16:32 14:19-15:21 11:24-11:37 09:06-10:03	11:01-12:09	
26			17:52-18:22 08:27-11:20	16:09-16:30 14:19-15:21 11:18-11:43 09:08-10:01	11:02-12:09	
27			17:49-18:22 08:27-11:21	16:11-16:28 14:19-15:22 11:15-11:47 09:12-09:59	11:02-12:09	
28			17:39-18:22 08:27-11:20	16:15-16:24 14:19-15:22 11:13-11:49 09:14-09:56	11:03-12:09	
29			17:35-18:22 08:26-11:20	14:18-15:21 11:10-11:51 09:17-09:52	11:03-12:10	
30			17:32-18:22 08:27-11:20	14:18-15:21 11:08-11:53 09:21-09:47	11:04-12:10	
31				14:19-15:21 11:07-11:55 09:29-09:41		

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (2)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1		15:13-15:57 11:27-12:44 09:25-10:05	15:27-16:56 08:13-08:34			20:50-21:07
2		15:12-15:59 11:27-12:44 09:24-10:06	15:28-16:57 08:10-08:36			20:51-21:06
3		15:12-16:02 11:27-12:44 09:24-10:06	15:28-16:57 08:07-08:37			20:52-21:07
4		15:12-16:05 11:28-12:44 09:23-10:07	15:30-16:57 08:06-08:39			20:53-21:06
5		15:12-16:07 11:28-12:44 09:23-10:08	15:31-16:57 08:04-08:39			20:53-21:05
6		15:12-16:10 11:28-12:44 09:23-10:08	15:33-16:58 08:03-08:41			20:55-21:05
7		15:11-16:10 11:29-12:44 09:22-10:09	15:35-16:57 08:01-08:41			20:56-21:04
8		15:11-16:12 11:28-12:43 09:21-10:08	15:36-16:56 07:59-08:41 07:40-07:47			20:57-21:02
9		15:11-16:14 11:29-12:43 09:21-10:08	15:40-16:56 07:59-08:42 07:36-07:52			
10		15:12-16:15 11:30-12:43 09:21-10:09	16:01-16:55 15:44-16:00 07:57-08:41 07:33-07:54			
11		15:12-16:17 11:31-12:43 09:21-10:09	16:02-16:55 07:57-08:42 07:32-07:56			
12		16:28-16:32 15:12-16:17 11:30-12:41 09:21-10:08	16:02-16:53 07:30-08:41		20:51-20:57	
13		16:21-16:39 15:12-16:18 11:31-12:41 09:21-10:08	16:02-16:52 07:29-08:42		20:50-20:58	
14		15:13-16:42 11:32-12:40 09:22-10:08	16:04-16:51 07:27-08:41		20:48-21:00	
15		15:13-16:44 11:32-12:39 09:22-10:07	16:04-16:50 07:26-08:40		20:48-21:02	
16		15:14-16:47 11:34-12:38 09:23-10:06	16:06-16:49 07:26-08:40 07:14-07:21		20:47-21:03	
17		15:15-16:49 11:35-12:37 09:24-10:06	16:07-16:47 07:25-08:39 07:11-07:24		20:47-21:05	
18		15:15-16:49 11:36-12:35 09:24-10:05	16:08-16:44 07:09-08:39		20:47-21:07	
19		15:16-16:51 11:37-12:34 09:25-10:04	16:11-16:43 07:06-08:37		20:47-21:08	
20		15:17-16:53 11:39-12:33 09:26-10:03	16:13-16:39 07:04-08:36		20:46-21:08	
21		15:18-16:53 11:40-12:30 09:27-10:01	16:17-16:36 07:03-08:35		20:47-21:09	
22		15:20-16:54 11:43-12:28 09:29-10:00	16:25-16:27 07:02-08:33		20:46-21:08	
23		15:21-16:54 11:44-12:25 09:30-09:57	07:02-08:32		20:46-21:09	
24		15:24-16:55 11:48-12:22 09:33-09:55	07:54-08:30 07:30-07:53 07:02-07:25		20:47-21:09	
25		15:24-16:55 11:51-12:17 09:36-09:50	07:54-08:27 07:33-07:51 07:02-07:22		20:47-21:09	
26		15:25-16:56 12:00-12:09	07:55-08:25 07:35-07:50 07:03-07:22		20:47-21:08	
27		15:25-16:56	08:04-08:21 07:56-08:03 07:37-07:47 07:03-07:20		20:47-21:08	
28		15:26-16:56	07:57-08:01 07:05-07:18		20:48-21:08	
29			08:08-08:14		20:48-21:08	
30					20:49-21:08	
31					20:49-21:07	

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (2)

Flicker curtailment according to specified plan

July	August	September	October	November	December
1	21:03-21:07		16:42-17:32 08:14-09:20	14:41-15:45 10:59-12:12 08:51-09:38	
2			16:40-17:32 08:15-09:20	14:41-15:43 10:59-12:13 08:51-09:38	
3			16:39-17:33 16:25-16:35 08:16-09:20	14:41-15:42 10:58-12:13 08:51-09:38	
4	21:04-21:08		16:19-17:33 08:17-09:19	14:42-15:41 10:58-12:14 08:52-09:38	
5	21:02-21:09		16:15-17:33 08:19-09:18	14:42-15:39 10:58-12:14 08:52-09:38	
6	21:01-21:10		16:12-17:33 08:21-09:17	14:42-15:37 10:58-12:14 08:53-09:37	
7	21:00-21:11		16:09-17:33 08:23-09:16	14:42-15:34 10:57-12:14 08:53-09:37	
8	20:59-21:12		16:07-17:32 08:25-09:15	14:43-15:33 10:58-12:15 08:55-09:37	
9	20:59-21:13		16:05-17:32 08:29-09:14	14:43-15:29 10:58-12:15 08:55-09:36	
10	20:58-21:13		16:03-17:31 08:41-09:12	14:44-15:28 10:58-12:14 08:56-09:36	
11	20:59-21:15		16:02-17:30 08:42-09:11	14:44-15:27 10:57-12:14 08:57-09:35	
12	20:58-21:16		16:00-17:29 08:45-09:09	14:46-15:27 10:58-12:15 08:59-09:35	
13	20:58-21:16		15:59-17:29 08:48-09:06	14:46-15:26 10:58-12:15 09:00-09:34	
14	20:57-21:16	08:41-08:43	15:58-17:28 08:55-09:00	14:47-15:25 10:58-12:15 09:01-09:33	
15	20:57-21:16	08:34-08:49	15:58-17:29	14:48-15:23 10:58-12:15 09:03-09:32	
16	20:57-21:18	08:55-09:09 08:27-08:52	15:57-17:28 12:28-12:45 10:13-10:18	14:50-15:23 11:00-12:15 09:05-09:32	
17	20:57-21:18	08:24-09:13	15:56-17:27 12:22-12:51 10:06-10:24	14:51-15:21 11:00-12:15 09:07-09:30	
18	20:56-21:18	08:22-09:15	15:54-17:26 12:18-12:54 10:03-10:27	14:52-15:19 11:00-12:15 09:10-09:27	
19	20:57-21:19	08:17-09:16	15:52-17:25 12:15-12:57 10:01-10:29	14:54-15:17 11:00-12:15 09:13-09:24	
20	20:56-21:18	08:11-09:17	15:50-17:24 12:12-12:59 09:59-10:30	14:57-15:15 11:01-12:15	
21	20:57-21:19	08:10-09:19	15:48-17:23 12:10-13:01 09:57-10:32	15:02-15:12 11:03-12:15	
22	20:56-21:18	17:03-17:19 08:10-09:20	15:47-17:23 12:09-13:04 09:56-10:34	11:03-12:15	
23	20:57-21:19	16:59-17:23 08:09-09:20	15:46-17:21 12:07-13:05 09:55-10:35	11:04-12:15	
24	20:57-21:18	16:56-17:26 08:08-09:21	15:45-17:19 12:06-13:06 09:54-10:35	11:05-12:15	
25	20:57-21:18	16:53-17:27 08:08-09:21	14:44-16:18 11:04-12:07 08:53-09:36	11:06-12:15	
26	20:57-21:16	16:51-17:29 08:08-09:22	14:43-16:16 11:03-12:08 08:52-09:36	11:06-12:15	
27	20:58-21:15	16:48-17:29 08:08-09:22	14:43-16:14 11:03-12:09 08:52-09:37	11:07-12:15	
28	20:58-21:13	16:46-17:30 08:08-09:21	14:42-16:11 11:02-12:10 08:52-09:37	11:08-12:15	
29	20:59-21:12	16:44-17:31 08:07-09:21	15:52-16:07 14:42-15:48 11:01-12:10 08:51-09:38	11:09-12:14	
30	21:00-21:10	16:43-17:31 08:08-09:21	14:41-15:46 11:00-12:11 08:50-09:38	11:10-12:14	
31	21:00-21:08		14:41-15:45 11:00-12:12 08:51-09:38		

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 81 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (81)

January	February	March	April	May	June	July	August	September	October	November	December
1			19:15-19:42	20:08-20:33	20:20-20:46	20:32-20:46	20:20-20:56	19:20-20:00			
2	10:10-10:11		19:15-19:40	20:07-20:33	20:21-20:46	20:32-20:47	20:18-20:55	19:19-19:57 19:10-19:16			
3			19:15-19:40	20:07-20:34	20:22-20:46	20:32-20:48	20:18-20:54	19:06-19:55			
4			19:15-19:40	20:07-20:35	20:23-20:46	20:31-20:48	20:18-20:54	19:04-19:51			
5			19:15-19:40	20:07-20:38	20:23-20:45	20:30-20:49	20:17-20:53	19:02-19:50			
6			19:15-19:40	20:07-20:40	20:23-20:44	20:30-20:50	20:16-20:51	19:00-19:47			
7			19:15-19:40	20:07-20:42	20:25-20:44	20:30-20:51	20:16-20:49	18:59-19:45			
8			19:15-19:40	20:07-20:43	20:25-20:43	20:29-20:52	20:16-20:47	18:58-19:42			
9			19:15-19:40	20:07-20:44	20:26-20:43	20:29-20:52	20:15-20:42	18:57-19:40			
10			19:21-19:40 19:15-19:18	20:08-20:44	20:27-20:42	20:28-20:53	20:15-20:42	18:57-19:38			
11			19:21-19:40	20:08-20:45	20:28-20:42	20:29-20:54	20:16-20:42	18:55-19:34			
12			19:23-19:40	20:10-20:46	20:29-20:42	20:28-20:55	20:16-20:41	18:55-19:32			
13			19:24-19:40	20:11-20:47	20:29-20:41	20:28-20:55	20:16-20:40	18:55-19:29			
14			19:26-19:40	20:12-20:47	20:30-20:41	20:27-20:56	20:16-20:39	19:24-19:27 18:55-19:21			
15			19:31-19:40	20:14-20:48	20:31-20:41	20:27-20:56	20:17-20:38	18:56-19:20			
16			19:32-19:40	20:15-20:48	20:32-20:40	20:27-20:57	20:18-20:37	18:56-19:19			
17			19:34-19:40	20:15-20:49	20:33-20:40	20:26-20:57	20:18-20:34 19:52-20:03	18:57-19:17			
18				20:15-20:48	20:34-20:40	20:26-20:57	20:20-20:31 19:50-20:05	18:57-19:14			
19				20:15-20:49	20:34-20:39	20:26-20:58	19:48-20:06	18:59-19:10			
20				20:15-20:49	20:35-20:39	20:26-20:58	19:47-20:08				
21				20:16-20:49	20:35-20:39	20:26-20:59	19:46-20:08				
22				20:15-20:48	20:36-20:40	20:25-20:59	19:44-20:08				
23				20:16-20:49	20:36-20:40	20:26-20:59	19:44-20:09				
24				20:16-20:49	20:35-20:40	20:25-20:59	19:43-20:09				
25			20:13-20:25	20:17-20:49	20:35-20:42	20:26-20:59	19:40-20:09				
26			20:12-20:28	20:17-20:48	20:35-20:42	20:25-20:59	19:37-20:08				
27			20:10-20:29	20:17-20:48	20:35-20:44	20:26-20:59	19:34-20:07				
28			20:09-20:31	20:18-20:47	20:34-20:44	20:25-20:58	19:32-20:06				
29			20:09-20:32	20:18-20:47	20:34-20:45	20:24-20:58	19:27-20:05				
30		19:15-19:38	20:08-20:32	20:19-20:47	20:33-20:45	20:22-20:58	19:24-20:04				
31		19:15-19:40		20:20-20:47		20:21-20:57	19:23-20:03				

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG: 82** - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (82)

	January	February	March	April	May	June	July	August	September	October	November	December
1					06:52-08:05	05:52-07:40	05:57-07:46	06:53-07:52	07:31-08:06			
2					06:50-08:04	05:52-07:40	05:57-07:46	06:53-07:50	07:33-08:05			
3					06:48-08:03	05:53-07:41	05:58-07:47	06:55-07:50	07:35-08:03			
4					06:46-08:02	05:52-07:41	05:57-07:46	06:56-07:49	07:37-08:01			
5					06:45-08:01	05:52-07:41	05:58-07:46	06:57-07:48	07:41-07:59			
6					06:45-07:59	05:52-07:40	05:58-07:47	06:58-07:46	07:48-07:49			
7					06:45-07:58	05:52-07:41	05:58-07:47	07:00-07:44				
8					06:45-07:56	05:52-07:41	05:59-07:47	07:01-07:43				
9					06:45-07:54	05:53-07:41	05:59-07:47	07:02-07:40				
10					06:45-07:52	05:52-07:41	05:59-07:48	07:05-07:38				
11					07:15-07:49	05:53-07:41	06:01-07:49	07:08-07:35				
12					07:37-07:45 07:15-07:36	05:53-07:42	06:01-07:49	07:01-07:32				
13					07:15-07:36	05:53-07:41	06:01-07:49	07:03-07:29				
14					07:15-07:36	05:53-07:42	06:01-07:49	07:27-08:14 07:06-07:25				
15				07:24-08:10	07:15-07:37	05:53-07:42	06:01-07:49	07:27-08:15 07:13-07:18				
16				07:22-08:10	07:15-07:37	05:54-07:42	06:03-07:49	07:27-08:15				
17				07:22-08:10	07:15-07:38 06:05-06:16	05:54-07:42	06:03-07:49	07:25-08:15				
18				07:21-08:10	07:15-07:38 06:02-06:17	05:54-07:43	06:03-07:49	07:25-08:15				
19				07:20-08:10	07:15-07:39 06:00-06:19	05:54-07:43	06:04-07:49	07:25-08:15				
20				07:20-08:11	07:15-07:39 05:58-06:20	05:54-07:43	06:37-07:49 06:05-06:35	07:26-08:15				
21				07:19-08:10	07:15-07:39 06:34-06:51 05:58-06:23	05:54-07:43	06:40-07:50 06:06-06:35	07:26-08:15				
22				07:19-08:10	06:30-06:54 05:56-06:23	05:55-07:44	06:42-07:49 06:07-06:33	07:25-08:14				
23				07:19-08:10	06:28-06:57 05:56-06:25	05:55-07:44	06:47-07:49 06:08-06:31	07:26-08:14				
24				07:19-08:10	05:55-06:59	05:55-07:44	06:48-07:49 06:09-06:30	07:26-08:14				
25				07:19-08:08	05:55-07:00	05:56-07:44	06:49-07:49 06:11-06:29	07:26-08:14				
26				07:19-08:08	05:54-07:02	05:56-07:44	06:49-07:48 06:13-06:27	07:27-08:13				
27				07:19-08:08	05:53-07:03	05:56-07:45	06:50-07:48 06:17-06:25	07:27-08:12				
28				07:20-08:07	05:53-07:05	05:56-07:45	06:50-07:48	07:27-08:11				
29				07:20-08:07 07:15-07:19	05:53-07:06	05:57-07:45	06:51-07:48	07:28-08:10				
30				07:07-08:06	05:53-07:07	05:56-07:45	06:52-07:47	07:29-08:09				
31					05:52-07:08		06:52-07:46	07:31-08:08				

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 83 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (83)

	January	February	March	April	May	June	July	August	September	October	November	December
1			07:52-08:15				21:16-21:39 05:48-05:52					
2			07:50-08:15				21:17-21:39					
3			07:47-08:14				21:17-21:39			08:26-08:34		
4			07:45-08:14				21:17-21:38			08:24-08:36		
5			07:44-08:12				21:17-21:38			08:22-08:37		
6			07:44-08:11				21:17-21:38			08:21-08:38		
7			07:44-08:06				21:18-21:37			08:20-08:44		
8			07:44-08:01				21:18-21:36			08:19-08:46		
9			07:46-08:00				21:18-21:35			08:19-08:48		
10			07:47-07:57				21:19-21:35			08:20-08:48		
11							21:19-21:34			08:22-08:49		
12						05:43-05:50	21:20-21:34			08:24-08:49		
13						05:42-05:52	21:20-21:33			08:26-08:48		
14						05:41-05:52	21:21-21:31			08:28-08:48		
15						05:40-05:53	21:21-21:30			08:31-08:48		
16						05:40-05:54	21:22-21:30			08:33-08:47		
17						05:40-05:55	21:23-21:28			08:35-08:46		
18						05:40-05:55	21:24-21:27			08:37-08:45		
19						05:40-05:56				08:39-08:42		
20						05:40-05:56						
21						05:40-05:56						
22						05:41-05:57						
23		08:07-08:12				05:41-05:57						
24		08:05-08:14				05:41-05:56						
25		08:02-08:14				05:42-05:57						
26		08:00-08:16				05:42-05:56						
27		07:57-08:15				05:43-05:57						
28		07:55-08:16				05:43-05:56						
29						05:45-05:55						
30						05:46-05:54						
31												

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 84 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (84)

	January	February	March	April	May	June	July	August	September	October	November	December
1							05:42-06:08	06:30-06:58				
2							05:43-06:08	06:30-06:59				
3							05:43-06:09	06:29-06:58				
4							05:44-06:09	06:30-06:58				
5							05:44-06:09	06:30-06:59				
6							05:44-06:10	06:30-06:58				
7							05:44-06:09	06:30-06:58				
8							05:44-06:09	06:31-06:58				
9							05:45-06:10	06:32-06:57				
10							05:46-06:10	06:32-06:56				
11							05:46-06:10	06:33-06:55				
12							05:46-06:10	06:34-06:54				
13							05:47-06:09	06:36-06:53				
14							05:47-06:09	06:37-06:51				
15							05:48-06:09	06:41-06:48				
16							05:48-06:09					
17							05:49-06:08					
18							05:51-06:08					
19							05:52-06:08					
20							05:53-06:06			15:47-16:34		
21							05:55-06:06			15:46-16:35		
22							05:56-06:04			15:45-16:35		
23										15:44-16:35		
24										15:44-16:36		
25										14:43-15:36		
26										14:42-15:36		
27										14:42-15:36		
28										14:41-15:36		
29										14:42-15:37		
30										14:42-15:36		
31										14:42-15:35		

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1			08:40-10:58	10:23-11:33 08:02-09:12	06:43-08:20	06:31-07:40
2			08:39-10:58	10:23-11:30 08:02-09:12	06:42-08:18	06:31-07:39
3			08:39-10:59	10:25-11:28 08:00-09:12	06:41-08:16	06:31-07:38
4			08:38-10:59	10:26-11:24 07:58-09:11	06:41-08:14	06:32-07:38
5			08:38-10:59	10:28-11:22 07:58-09:11	06:40-08:13	06:32-07:36
6			08:37-10:59	10:29-11:18 07:57-09:10	06:41-08:11	06:32-07:35
7			08:38-11:00	10:32-11:14 07:56-09:10	06:40-08:10	06:33-07:34
8			08:38-10:59	10:34-11:09 07:55-09:09	06:39-08:08	06:32-07:33
9			08:37-10:59	10:39-11:04 07:55-09:09	06:38-08:07	06:33-07:32
10			08:38-10:59	10:47-10:52 07:54-09:07	06:37-08:05	06:33-07:31
11			08:38-10:58	07:54-09:07	06:36-08:03	06:33-07:31
12	09:48-10:38		08:39-10:59	07:54-09:06	06:36-08:02	06:34-07:32
13	09:46-10:40		08:40-10:58	07:53-09:05	06:35-08:00	06:34-07:31
14	09:43-10:42		08:41-10:58	07:53-09:04	06:34-07:59	06:34-07:31
15	09:42-10:44		08:41-10:57	07:52-09:02	06:34-07:58	06:34-07:32
16	09:40-10:46		08:42-09:36	07:53-09:01	06:34-07:56	06:35-07:32
17	09:38-10:47		08:44-09:35	07:53-09:00	06:33-07:54	06:35-07:32
18	09:37-10:49		08:45-09:33	07:52-08:58	06:33-07:53	06:35-07:32
19	09:36-10:50 09:30-09:31		09:18-09:32 08:48-09:15	07:53-08:56	06:32-07:52	06:36-07:32
20	09:34-10:51 09:30-09:32		09:18-09:30 08:51-09:11	07:53-08:55	06:32-07:51	06:36-07:32
21	09:30-10:52		09:17-09:28 08:56-09:04	07:53-08:52	06:32-07:51	06:36-07:33
22	09:30-10:53		09:18-09:26	07:54-08:50	06:31-07:49	06:36-07:32
23	09:30-10:54		09:18-09:23	07:54-08:47	06:31-07:48	06:37-07:33
24	09:30-10:55		09:19-09:21	07:55-08:43	06:32-07:47	06:36-07:33
25	09:30-10:56			08:31-08:35 07:55-08:30	06:31-07:45	06:37-07:34
26	09:30-10:56			07:56-08:29	06:31-07:44	06:37-07:34
27	09:30-10:57			07:57-08:27	06:31-07:44	06:37-07:34
28	09:30-10:57			07:58-08:26 06:58-07:14	06:31-07:43	06:37-07:35
29				07:59-08:24 06:54-07:18	06:31-07:42	06:38-07:35
30				08:00-08:22 06:51-07:21	06:31-07:42	06:37-07:35
31					06:31-07:41	

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēnņ ir Juknaiēnņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG: 7** - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Flicker curtailment according to specified plan

July	August	September	October	November	December
1 06:38-07:35	06:47-08:13	08:08-09:06 07:34-08:07	09:19-11:38		
2 06:38-07:36	06:46-08:14	10:46-10:51 08:08-09:06 07:36-08:04	09:17-11:37		
3 06:37-07:36	06:47-08:16	10:37-11:02 08:08-09:07 07:40-08:00	09:17-11:37		
4 06:38-07:37	06:48-08:18	10:32-11:07 08:08-09:07 07:49-07:51	09:16-11:37		
5 06:38-07:39	06:48-08:18	10:28-11:10 08:07-09:06	09:15-11:36		
6 06:38-07:41	06:50-08:20	10:25-11:14 08:07-09:06	09:14-11:36		
7 06:38-07:42	06:50-08:22	10:23-11:17 08:07-09:06	09:14-11:35		
8 06:38-07:43	06:51-08:24	10:21-11:19 08:07-09:06	09:13-11:35		
9 06:38-07:45	06:50-08:24	10:19-11:22 08:07-09:06	09:13-11:34		
10 06:38-07:46	06:51-08:26	10:17-11:23 08:06-09:05	09:13-11:33		
11 06:38-07:47	06:51-08:27	10:15-11:25 08:07-09:04	09:13-11:33		
12 06:40-07:49	06:51-08:28	10:14-11:27 08:07-09:04	09:13-11:32		
13 06:40-07:50	06:52-08:30	10:12-11:29 08:08-09:03	09:13-11:31		
14 06:40-07:50	06:53-08:32	10:11-11:30 08:08-09:03	09:13-11:30		
15 06:39-07:51	06:54-08:34	10:10-11:32 08:09-09:02	09:14-11:29		
16 06:40-07:53	06:55-08:35	10:08-11:32 08:09-09:00	09:14-11:28		
17 06:40-07:53	06:55-08:35	10:07-11:33 08:10-08:59	09:15-11:27		
18 06:40-07:54	06:57-08:44	10:06-11:34 08:11-08:58	09:16-11:26		
19 06:41-07:56	06:59-08:50	10:05-11:35 08:12-08:57	09:17-11:25		
20 06:41-07:57	07:01-08:53	10:05-11:36 08:14-08:56	10:11-11:24 09:18-10:08		
21 06:41-07:58	07:03-08:55	10:04-11:36 08:15-08:55	10:12-11:22 10:04-10:06 09:19-10:03		
22 06:42-08:00	07:16-08:57 07:10-07:13	10:03-11:37 08:17-08:54	10:13-11:21 09:20-10:02		
23 06:42-08:00	07:18-08:59	10:02-11:38 09:37-09:54 08:20-08:51	10:15-11:19 09:21-10:00		
24 06:43-08:02	07:20-09:00	10:01-11:37 09:32-09:57 08:22-08:46	10:18-11:18 09:24-10:00		
25 06:42-08:03	07:23-09:02	09:29-11:37 08:27-08:41	09:20-10:15 08:26-08:58		
26 06:43-08:04	07:23-09:02	09:26-11:38	09:22-10:12 08:28-08:56		
27 06:44-08:06	07:25-09:03	09:24-11:38	09:25-10:09 08:32-08:52		
28 06:44-08:07	07:27-09:04	09:23-11:38	09:28-10:05 08:38-08:45		
29 06:45-08:09	07:29-09:05	09:21-11:38	09:33-10:01		
30 06:45-08:09	07:31-09:06	09:20-11:38	09:39-09:55		
31 06:46-08:11	07:32-09:05				

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 shut down **WTG:** 8 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

Flicker curtailment according to specified plan

	January	February	March	April	May	June	July	August	September	October	November	December
1											15:20-15:51	
2											15:19-15:51	
3											15:19-15:52	
4											15:19-15:52	
5											15:19-15:52	
6											15:18-15:52	
7											15:19-15:52	
8											15:19-15:52	
9											15:19-15:51	
10											15:19-15:50	
11											15:21-15:50	
12											15:21-15:49	
13											15:22-15:48	
14											15:22-15:47	
15											15:24-15:47	
16											15:25-15:45	
17											15:26-15:43	
18											15:29-15:41	
19											15:34-15:36	
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31										15:21-15:51		

Project:

8 VE Īilutēs r.

Description:

Vējo elektrinō (Īilutēs raj. sav. Usēnō ir Juknaiēnō sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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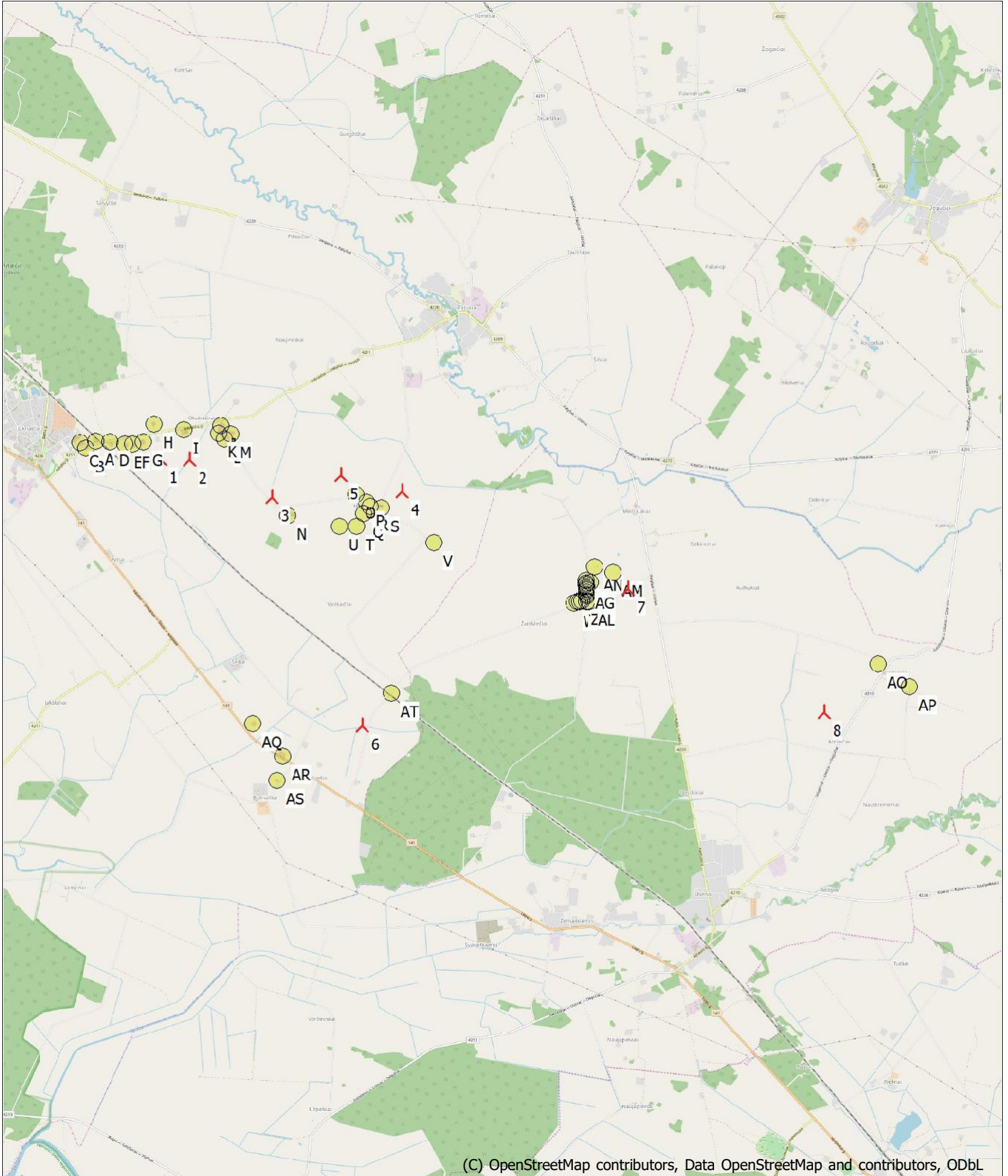
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 09:05/3.5.552

SHADOW - Map

Calculation: Enercon E138 shut down



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.410 North: 6.128.477

▲ New WTG

● Shadow receptor

Flicker map level: Height Contours: CONTOURLINE_8 VE Īilutēs r_0.wpo (1)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE)

Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Height Contours: CONTOURLINE_8 VE Īilutēs r_0.wpo

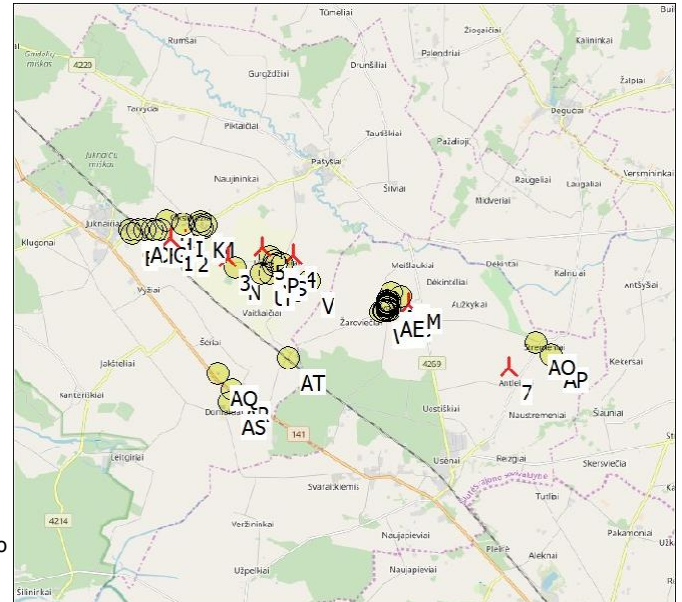
Obstacles used in calculation

Receptor grid resolution: 1,0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000

New WTG

Shadow receptor

Y	X	Z	Row data/Description	WTG type			Shadow data				
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM
1	347.959	6.130.426	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
2	348.347	6.130.399	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
3	349.441	6.129.870	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
4	351.193	6.129.888	14,5 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
5	350.375	6.130.124	10,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
6	354.189	6.128.475	20,0 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
7	356.778	6.126.724	19,1 ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0

Shadow receptor-Input

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
A	347.094	6.130.693	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
B	346.953	6.130.603	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
C	346.888	6.130.681	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
D	347.290	6.130.678	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
E	347.483	6.130.653	10,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
F	347.592	6.130.646	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
G	347.734	6.130.663	11,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
H	347.883	6.130.901	13,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
I	348.287	6.130.811	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
J	348.782	6.130.851	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
K	348.756	6.130.753	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
L	348.822	6.130.676	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
M	348.913	6.130.737	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
N	349.644	6.129.613	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
O	350.562	6.129.862	10,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
P	350.707	6.129.756	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Q	350.664	6.129.608	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
R	350.753	6.129.689	12,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
S	350.909	6.129.678	13,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
T	350.561	6.129.434	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
U	350.332	6.129.441	10,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0

To be continued on next page...

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE)

V 351.604 6.129.188 16,8 1,0 1,0 1,0 90,0 "Green house mode" 2,0

To be continued on next page...

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE)

...continued from previous page

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
W	353.453	6.128.301	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
X	353.509	6.128.319	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Y	353.532	6.128.326	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Z	353.556	6.128.333	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AA	353.630	6.128.393	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AB	353.629	6.128.419	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AC	353.628	6.128.442	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AD	353.629	6.128.469	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AE	353.629	6.128.493	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AF	353.629	6.128.519	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AG	353.628	6.128.547	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AH	353.629	6.128.576	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AI	353.627	6.128.607	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AJ	353.687	6.128.582	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AK	353.621	6.128.318	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AL	353.662	6.128.322	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AM	353.996	6.128.697	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AN	353.751	6.128.788	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AO	357.524	6.127.357	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AP	357.932	6.127.034	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AQ	349.081	6.126.826	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AR	349.464	6.126.383	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AS	349.383	6.126.053	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AT	350.960	6.127.173	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0

Calculation Results

Shadow receptor

Shadow, expected values

No.	Shadow hours per year [h/year]
A	9:03
B	6:38
C	5:52
D	14:30
E	25:00
F	34:27
G	43:30
H	10:28
I	16:55
J	15:40
K	21:21
L	25:36
M	19:05
N	13:16
O	28:01
P	54:19
Q	21:57
R	29:57
S	2:58
T	7:42
U	34:22
V	6:25
W	21:11
X	26:17
Y	29:08
Z	33:21
AA	38:57
AB	34:08
AC	31:10
AD	28:37
AE	26:23
AF	24:09

To be continued on next page...

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE)

...continued from previous page

Shadow, expected values

No.	Shadow hours per year [h/year]
AG	22:12
AH	20:29
AI	18:45
AJ	24:56
AK	43:35
AL	45:58
AM	36:28
AN	14:52
AO	3:39
AP	3:46
AQ	0:00
AR	0:00
AS	0:00
AT	0:00

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)	511:50	96:45
2	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)	408:04	71:03
3	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)	168:45	45:56
4	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)	211:27	93:12
5	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)	34:51	12:40
6	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)	470:37	168:42
7	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)	35:50	7:25

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: A - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December					
1	09:01	08:28	07:27	07:08	05:55	05:02	04:57	05:40	06:38	07:35	08:02 (2)	07:37	08:35				
	16:14	17:08	18:08	20:10	21:09	22:03	22:18	21:40	20:30	19:12	45	08:47 (1)	16:58	16:10			
2	09:01	08:26	07:24	07:06	05:53	05:01	04:58	05:42	06:40	07:37		08:04 (2)	07:39	08:37			
	16:15	17:10	18:10	20:12	21:11	22:04	22:18	21:38	20:27	19:10	42	08:46 (1)	16:56	16:09			
3	09:01	08:24	07:22	07:03	05:51	05:00	04:58	05:43	06:42	07:39		08:06 (2)	07:41	08:39			
	16:16	17:13	18:12	20:14	21:13	22:05	22:17	21:36	20:25	19:07	39	08:45 (1)	16:54	16:08			
4	09:00	08:22	07:20	07:00	05:49	04:59	04:59	05:45	06:44	07:41		08:08 (2)	07:43	08:40			
	16:18	17:15	18:14	20:16	21:15	22:06	22:17	21:34	20:22	19:05	36	08:44 (1)	16:52	16:08			
5	09:00	08:20	07:17	07:48 (1)	06:58	05:46	04:58	05:00	05:47	06:46		08:10 (2)	07:45	08:42			
	16:19	17:17	18:16	11	07:59 (1)	20:18	21:17	22:08	22:16	21:32	31	08:43 (1)	16:50	16:07			
6	08:59	08:18	07:15	07:45 (1)	06:55	05:44	04:57	05:01	05:49	06:47		07:45	07:47	08:43			
	16:20	17:19	18:18	17	08:02 (1)	20:20	21:19	22:09	22:16	21:30	24	08:41 (1)	16:48	16:06			
7	08:59	08:16	07:12	07:42 (1)	06:53	05:42	04:56	05:02	05:51	06:49		07:46	08:19 (1)	07:49	08:44		
	16:22	17:21	18:20	22	08:04 (1)	20:22	21:21	22:10	22:15	21:28	20	18:57	20	08:39 (1)	16:46	16:06	
8	08:58	08:14	07:10	07:39 (1)	06:50	05:40	04:56	05:03	05:53	06:51		07:48	08:21 (1)	07:51	08:46		
	16:23	17:23	18:22	26	08:05 (1)	20:24	21:22	22:11	22:14	21:26	15	18:54	15	08:36 (1)	16:44	16:05	
9	08:58	08:12	07:07	07:32 (2)	06:48	05:38	04:55	05:05	05:54	06:53		07:50	08:26 (1)	07:53	08:47		
	16:25	17:25	18:24	35	08:07 (1)	20:26	21:24	22:12	22:13	21:24	4	18:52	4	08:30 (1)	16:42	16:05	
10	08:57	08:10	07:05	07:29 (2)	06:45	05:36	04:55	05:06	05:56	06:55		07:52	07:55	08:48			
	16:26	17:27	18:26	38	08:07 (1)	20:28	21:26	22:13	22:12	21:22		18:49		16:40	16:05		
11	08:56	08:08	07:02	07:27 (2)	06:43	05:34	04:54	05:07	05:58	06:57		07:54	07:57	08:50			
	16:28	17:30	18:28	41	08:08 (1)	20:30	21:28	22:14	22:11	21:19		18:47		16:38	16:04		
12	08:55	08:06	06:59	07:24 (2)	06:40	05:32	04:54	05:08	06:00	06:59		07:56	08:00	08:51			
	16:30	17:32	18:30	44	08:08 (1)	20:31	21:30	22:14	22:10	21:17		18:44		16:36	16:04		
13	08:54	08:04	06:57	07:22 (2)	06:38	05:30	04:53	05:09	06:02	07:01		07:58	08:02	08:52			
	16:31	17:34	18:32	47	08:09 (1)	20:33	21:32	22:15	22:09	21:15		18:42		16:34	16:04		
14	08:53	08:02	06:54	07:21 (2)	06:35	05:29	04:53	05:11	06:04	07:03		08:00	08:04	08:53			
	16:33	17:36	18:34	47	08:08 (1)	20:35	21:34	22:16	22:08	21:13		18:40		16:33	16:04		
15	08:52	08:00	06:52	07:20 (2)	06:33	05:27	04:53	05:12	06:06	07:04		08:02	08:06	08:54			
	16:35	17:38	18:36	48	08:08 (1)	20:37	21:35	22:17	22:07	21:11		18:37		16:31	16:04		
16	08:51	07:57	06:49	07:20 (2)	06:30	05:25	04:52	05:14	06:08	07:06		08:04	08:08	08:55			
	16:37	17:40	18:38	48	08:08 (1)	20:39	21:37	22:17	22:06	21:08		18:35		16:29	16:04		
17	08:50	07:55	06:47	07:19 (2)	06:28	05:23	04:52	05:15	06:09	07:08		08:31 (1)	08:06	08:10	08:56		
	16:38	17:42	18:40	48	08:07 (1)	20:41	21:39	22:18	22:04	21:06	9	18:40	9	08:40 (1)	18:32	16:28	16:04
18	08:49	07:53	06:44	07:20 (2)	06:25	05:21	04:52	05:16	06:11	07:10		08:27 (1)	08:08	08:12	08:57		
	16:40	17:44	18:42	47	08:07 (1)	20:43	21:41	22:18	22:03	21:04	17	18:44	17	08:44 (1)	18:30	16:26	16:04
19	08:48	07:51	06:42	07:20 (2)	06:23	05:20	04:52	05:18	06:13	07:12		08:24 (1)	08:10	08:14	08:57		
	16:42	17:47	18:44	46	08:06 (1)	20:45	21:43	22:18	22:02	21:01	21	18:45	21	08:45 (1)	18:27	16:25	16:04
20	08:47	07:48	06:39	07:20 (2)	06:21	05:18	04:52	05:20	06:15	07:14		08:11 (2)	08:12	08:15	08:58		
	16:44	17:49	18:46	45	08:05 (1)	20:47	21:44	22:19	22:00	20:59	35	18:47	35	08:47 (1)	18:25	16:23	16:05
21	08:45	07:46	06:36	07:21 (2)	06:18	05:17	04:52	05:21	06:17	07:16		08:08 (2)	08:14	08:17	08:59		
	16:46	17:51	18:48	43	08:04 (1)	20:49	21:46	22:19	21:59	20:57	40	18:48	40	08:48 (1)	18:23	16:22	16:05
22	08:44	07:44	06:34	07:22 (2)	06:16	05:15	04:53	05:23	06:19	07:18		08:06 (2)	08:16	08:19	08:59		
	16:48	17:53	18:50	40	08:02 (1)	20:51	21:48	22:19	21:57	20:54	43	18:49	43	08:49 (1)	18:20	16:20	16:05
23	08:43	07:41	06:31	07:24 (2)	06:13	05:13	04:53	05:24	06:21	07:20		08:05 (2)	08:18	08:21	09:00		
	16:50	17:55	18:52	37	08:01 (1)	20:53	21:49	22:19	21:56	20:52	44	18:49	44	08:49 (1)	18:18	16:19	16:06
24	08:41	07:39	06:29	07:37 (1)	06:11	05:12	04:53	05:26	06:23	07:21		08:04 (2)	08:20	08:23	09:00		
	16:52	17:57	18:54	22	07:59 (1)	20:55	21:51	22:20	21:54	20:49	46	18:50 (1)	18:16	16:18	16:07		
25	08:40	07:37	06:26	07:38 (1)	06:09	05:11	04:53	05:28	06:25	07:23		08:03 (2)	07:22	08:25	09:00		
	16:54	17:59	18:56	18	07:56 (1)	20:57	21:52	22:20	21:53	20:47	47	18:50 (1)	17:13	16:16	16:07		
26	08:38	07:34	06:24	07:42 (1)	06:06	05:09	04:54	05:29	06:27	07:25		08:02 (2)	07:24	08:27	09:01		
	16:56	18:01	18:58	11	07:53 (1)	20:59	21:54	22:20	21:51	20:44	48	18:50 (1)	17:11	16:15	16:08		
27	08:36	07:32	06:21	06:04	05:08	04:54	04:54	05:31	06:28	07:27		08:02 (2)	07:27	08:28	09:01		
	16:58	18:03	19:00		21:01	21:56	22:19	21:49	20:42	19:23	48	18:50 (1)	17:09	16:14	16:09		
28	08:35	07:29	06:18	06:02	05:07	04:55	05:33	06:30	07:29	08:29		08:02 (2)	07:29	08:30	09:01		
	17:00	18:05	19:02		21:03	21:57	22:19	21:47	20:40	19:20	48	18:50 (1)	17:07	16:13	16:10		
29	08:33	07:16	06:04	06:00	05:05	04:56	05:34	06:32	07:31	08:31		08:01 (2)	07:31	08:32	09:01		
	17:02		20:04		21:05	21:58	22:19	21:46	20:37	19:17	47	18:48 (1)	17:04	16:12	16:11		
30	08:31		07:13		05:57	05:04	04:56	05:36	06:34	07:33		08:01 (2)	07:33	08:34	09:01		
	17:04		20:06		21:07	22:00	22:19	21:44	20:35	19:15	47	18:48 (1)	17:02	16:11	16:12		
31	08:30		07:11		05:03		05:38	06:36				07:35		09:01			
	17:06		20:08		22:01		21:42	20:32				17:00		16:13			
Potential sun hours	242	269	366	423	501	520	521	465	383			326	253	224			
Total, worst case			781						540		256						
Sun reduction			0,34						0,40		0,31						
Oper. time red.			1,00						1,00		1,00						
Wind dir. red.			0,97						0,97		0,97						
Total reduction			0,33						0,39		0,30						
Total, real			259						208		76						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)		First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Minutes with flicker	Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: B - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:08	07:08 20:10	08:11 (1) 21:09	05:55 22:03	05:02 22:18	04:57 21:40	05:40 20:30	06:38 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:10	07:06 20:12	08:14 (1) 21:11	05:53 22:04	05:01 22:18	04:58 21:38	05:42 20:27	06:40 19:10	07:39 16:56	08:37 16:09
3	09:01 16:16	08:24 17:13	07:22 18:12	07:03 20:14	08:25 (1) 21:13	05:51 22:05	05:00 22:17	04:59 21:36	05:43 20:25	06:42 19:07	07:41 16:54	08:39 16:08
4	09:00 16:18	08:22 17:15	07:20 18:14	07:00 20:16	05:49 21:15	05:49 22:06	04:59 22:17	05:45 21:34	06:44 20:22	06:44 19:05	07:43 16:52	08:40 16:08
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:18	05:46 21:17	04:58 22:08	05:00 22:16	05:47 21:32	06:46 20:19	07:43 19:02	07:45 16:50	08:42 16:07
6	08:59 16:20	08:18 17:19	07:15 18:18	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 21:30	06:47 20:17	07:45 19:00	07:47 16:48	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:22	05:42 21:21	04:57 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:46	08:44 16:06
8	08:58 16:23	08:14 17:23	07:10 18:22	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	05:53 21:26	06:51 20:12	07:48 18:54	07:51 16:44	08:46 16:05
9	08:58 16:25	08:12 17:25	07:07 18:24	06:48 20:26	05:38 21:24	04:55 22:12	05:05 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:05 18:26	06:45 20:28	05:36 21:26	04:55 22:13	05:06 22:12	05:56 21:22	06:55 20:07	08:07 (1) 18:49	07:52 16:40	08:48 16:05
11	08:56 16:28	08:08 17:30	07:02 18:28	06:43 20:30	05:34 21:28	04:54 22:14	05:07 22:11	05:58 21:19	06:57 20:04	08:04 (1) 18:47	07:54 16:38	08:50 16:04
12	08:55 16:30	08:06 17:32	06:59 18:30	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	08:02 (1) 18:44	07:56 16:36	08:51 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:01 19:59	07:59 (1) 18:42	08:02 16:34	08:52 16:04
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	06:04 21:13	07:03 19:53	08:23 (1) 18:40	08:00 16:33	08:53 16:04
15	08:52 16:35	08:00 17:38	06:52 18:36	06:33 20:37	05:27 21:35	04:53 22:17	05:12 22:07	06:06 21:11	07:04 19:54	07:55 (2) 18:37	08:02 16:31	08:54 16:04
16	08:51 16:37	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:14 22:06	06:08 21:08	07:06 19:51	08:25 (2) 18:35	08:04 16:29	08:55 16:04
17	08:50 16:38	07:55 17:42	06:47 18:40	06:28 20:41	05:23 21:39	04:52 22:18	05:15 22:04	06:09 21:06	07:08 19:49	08:26 (1) 18:32	08:06 16:28	08:56 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:04	07:10 19:46	08:27 (2) 18:30	08:08 16:26	08:57 16:04
19	08:48 16:42	07:51 17:47	06:42 18:44	06:23 20:45	05:20 21:43	04:52 22:18	05:18 22:02	06:13 21:01	07:12 19:43	08:28 (1) 18:27	08:10 16:25	08:57 16:04
20	08:47 16:44	07:48 17:49	06:39 18:46	06:21 20:47	05:18 21:44	04:52 22:19	05:20 22:00	06:15 20:59	07:14 19:41	08:25 (2) 18:25	08:12 16:23	08:58 16:05
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:17 21:46	04:52 22:19	05:21 21:59	06:17 20:57	07:16 19:38	08:24 (1) 18:23	08:14 16:22	08:59 16:05
22	08:44 16:48	07:44 17:53	06:34 18:50	06:16 20:51	05:15 21:48	04:53 22:19	05:23 21:57	06:19 20:54	07:18 19:36	08:24 (2) 18:20	08:16 16:20	08:59 16:06
23	08:43 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:56	06:21 20:52	07:20 19:33	08:23 (2) 18:18	08:18 16:19	09:00 16:06
24	08:41 16:52	07:39 17:57	06:29 18:54	06:11 20:55	05:12 21:51	04:53 22:20	05:26 21:54	07:21 20:49	07:21 19:30	08:23 (1) 18:16	08:20 16:18	09:00 16:07
25	08:40 16:54	07:37 17:59	06:26 18:56	06:09 20:57	05:11 21:52	04:53 22:20	06:25 21:53	07:23 20:47	07:23 19:28	08:22 (2) 18:12	07:51 (2) 16:16	09:00 16:07
26	08:38 16:56	07:34 18:01	06:24 18:58	06:06 20:59	05:09 21:54	04:54 22:20	06:27 21:51	07:25 20:44	07:25 19:25	08:20 (1) 18:11	07:53 (2) 16:15	09:01 16:08
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:56	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:23	08:19 (1) 18:17	07:55 (2) 16:14	09:01 16:09
28	08:35 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:07 21:57	04:55 22:19	05:33 21:47	06:30 20:40	07:29 19:20	08:17 (2) 18:15	07:57 (2) 16:13	09:01 16:10
29	08:33 17:02	07:16 18:04	06:00 19:04	06:00 21:05	05:05 21:58	04:56 22:19	05:34 21:46	06:32 20:37	07:31 19:17	08:01 (1) 18:10	07:31 16:12	09:01 16:11
30	08:31 17:04	07:13 18:06	05:57 19:06	05:57 21:07	05:04 22:00	04:56 22:19	05:36 21:44	06:34 20:33	07:33 19:15	08:10 (1) 18:08	07:33 16:11	09:01 16:12
31	08:30 17:06	07:11 18:08	05:57 19:08	05:57 21:08	05:03 22:01	05:03 21:42	06:36 20:32	07:33 19:15	07:33 18:00	07:35 17:00	07:35 16:13	09:01 16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			505	28					551			
Sun reduction			0,34	0,39					0,40			
Oper. time red.			1,00	1,00					1,00			
Wind dir. red.			0,99	0,99					0,99			
Total reduction			0,34	0,39					0,39			
Total, real			171	11					216			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
Assumptions for shadow calculations

Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: D - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow times, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

Licensed user:

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: E - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow receptor status, and total reduction.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņš, Stremeniņš, Kūģeliņš, Okslindiņš, Skieriņš bei Menklaukiņš kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
Inovacijy k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
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Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: F - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow receptor status (0/1), and cumulative operational time.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** G - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June		
1	09:01	08:28	07:27	08:07 (2)	07:08	10:21 (1)		
	16:14	17:08	18:07	115	10:43 (1)	20:10		
2	09:01	08:26	07:24	08:05 (2)	07:05	11:08 (1)		
	16:15	17:10	18:10	119	10:43 (1)	20:12		
3	09:01	08:24	07:22	08:03 (2)	07:03	11:05 (1)		
	16:16	17:12	18:12	123	10:43 (1)	20:14		
4	09:00	08:22	07:19	08:02 (2)	07:00	11:00 (1)		
	16:18	17:15	18:14	127	10:44 (1)	20:16		
5	09:00	08:20	07:17	08:00 (2)	06:58	11:00 (1)		
	16:19	17:17	18:16	129	10:43 (1)	20:18		
6	08:59	08:18	07:15	07:59 (2)	06:55	10:56 (1)		
	16:20	17:19	18:18	133	10:44 (1)	20:20		
7	08:59	08:16	07:12	07:58 (2)	06:53	10:54 (1)		
	16:22	17:21	10:08 (1)	18:20	134	10:43 (1)	20:22	
8	08:58	08:14	09:47 (1)	07:10	07:57 (2)	06:50	10:54 (1)	
	16:23	17:23	26	10:13 (1)	18:22	135	10:43 (1)	20:24
9	08:58	08:12	09:44 (1)	07:07	07:57 (2)	06:48	10:53 (1)	20:26
	16:25	17:25	33	10:17 (1)	18:24	136	10:43 (1)	20:26
10	08:57	08:10	09:41 (1)	07:04	07:55 (2)	06:45	10:53 (1)	20:27
	16:26	17:27	39	10:20 (1)	18:26	137	10:42 (1)	20:27
11	08:56	08:08	09:39 (1)	07:02	07:55 (2)	06:43	10:53 (1)	20:28
	16:28	17:30	44	10:23 (1)	18:28	137	10:42 (1)	20:29
12	08:55	08:06	09:36 (1)	06:59	07:55 (2)	06:40	10:53 (1)	20:30
	16:30	17:32	49	10:25 (1)	18:30	136	10:41 (1)	20:31
13	08:54	08:04	09:34 (1)	06:57	07:55 (2)	06:38	10:53 (1)	20:32
	16:31	17:34	53	10:27 (1)	18:32	137	10:41 (1)	20:33
14	08:53	08:02	09:32 (1)	06:54	07:54 (2)	06:35	10:52 (1)	20:34
	16:33	17:36	57	10:29 (1)	18:34	136	10:40 (1)	20:35
15	08:52	08:00	09:30 (1)	06:52	07:54 (2)	06:33	10:52 (1)	20:36
	16:35	17:38	60	10:30 (1)	18:36	135	10:39 (1)	20:37
16	08:51	07:57	09:29 (1)	06:49	07:54 (2)	06:30	10:52 (1)	20:38
	16:37	17:40	63	10:32 (1)	18:38	134	10:39 (1)	20:39
17	08:50	07:55	09:28 (1)	06:47	07:54 (2)	06:28	10:52 (1)	20:40
	16:38	17:42	66	10:34 (1)	18:40	132	10:38 (1)	20:41
18	08:49	07:53	09:26 (1)	06:44	07:55 (2)	06:25	10:52 (1)	20:42
	16:40	17:44	69	10:35 (1)	18:42	130	10:37 (1)	20:43
19	08:48	07:51	09:25 (1)	06:42	07:54 (2)	06:23	10:52 (1)	20:44
	16:42	17:47	71	10:36 (1)	18:44	128	10:36 (1)	20:45
20	08:47	07:48	09:24 (1)	06:39	07:54 (2)	06:21	10:52 (1)	20:46
	16:44	17:49	74	10:38 (1)	18:46	125	10:34 (1)	20:47
21	08:45	07:46	09:22 (1)	06:36	07:56 (2)	06:18	10:52 (1)	20:48
	16:46	17:51	76	10:38 (1)	18:48	120	10:33 (1)	20:49
22	08:44	07:44	09:22 (1)	06:34	07:56 (2)	06:16	10:52 (1)	20:50
	16:48	17:53	77	10:39 (1)	18:50	116	10:31 (1)	20:51
23	08:42	07:41	09:20 (1)	06:31	07:57 (2)	06:13	10:52 (1)	20:52
	16:50	17:55	80	10:40 (1)	18:52	112	10:30 (1)	20:53
24	08:41	07:39	09:20 (1)	06:29	07:58 (2)	06:11	10:52 (1)	20:54
	16:52	17:57	81	10:41 (1)	18:54	107	10:28 (1)	20:55
25	08:40	07:37	09:18 (1)	06:26	07:59 (2)	06:09	10:52 (1)	20:56
	16:54	17:59	83	10:41 (1)	18:56	101	10:26 (1)	20:57
26	08:38	07:34	09:18 (1)	06:23	08:02 (2)	06:06	10:52 (1)	20:58
	16:56	18:01	84	10:42 (1)	18:58	94	10:25 (1)	20:59
27	08:36	07:32	08:13 (2)	06:21	08:04 (2)	06:04	10:52 (1)	21:00
	16:58	18:03	100	10:42 (1)	19:00	84	10:22 (1)	21:01
28	08:35	07:29	08:10 (2)	06:18	09:16 (1)	06:02	10:52 (1)	21:02
	17:00	18:05	109	10:43 (1)	19:02	64	10:20 (1)	21:03
29	08:33			07:16	10:17 (1)	06:00	10:52 (1)	21:04
	17:02			20:04	61	11:18 (1)	21:05	21:05
30	08:31			07:13	10:19 (1)	05:57	10:52 (1)	21:06
	17:04			20:06	56	11:15 (1)	21:07	21:07
31	08:30			07:11	10:20 (1)		10:52 (1)	21:08
	17:06			20:08	52	11:12 (1)	21:09	21:09
Potential sun hours	242	269	366	423	501	520		
Total, worst case		1408		3585		157		
Sun reduction		0,25		0,34		0,39		
Oper. time red.		1,00		1,00		1,00		
Wind dir. red.		0,72		0,78		0,72		
Total reduction		0,18		0,27		0,28		
Total, real		250		954		44		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** G - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	08:33 (2) 07:37	09:11 (1) 08:35
	22:18	21:40	20:30	19:12	11:20 (1) 16:58	09:49 (1) 16:10
2	04:58	05:42	06:40	07:37	08:33 (2) 07:39	09:14 (1) 08:37
	22:18	21:38	20:27	19:10	11:20 (1) 16:56	09:46 (1) 16:09
3	04:58	05:43	06:42	07:39	08:33 (2) 07:41	09:17 (1) 08:39
	22:17	21:36	20:25	19:07	11:20 (1) 16:54	09:42 (1) 16:08
4	04:59	05:45	06:44	07:41	08:33 (2) 07:43	09:25 (1) 08:40
	22:17	21:34	20:22	19:05	11:20 (1) 16:52	09:36 (1) 16:08
5	05:00	05:47	06:45	07:43	08:34 (2) 07:45	08:42
	22:16	21:32	20:19	19:02	11:20 (1) 16:50	16:07
6	05:01	05:49	06:47	07:44	08:34 (2) 07:47	08:43
	22:16	21:30	20:17	18:59	11:19 (1) 16:48	16:06
7	05:02	05:51	06:49	10:34 (1) 07:46	08:34 (2) 07:49	08:44
	22:15	21:28	20:14	10:40 (1) 18:57	11:19 (1) 16:46	16:06
8	05:03	05:53	06:51	10:25 (1) 07:48	08:35 (2) 07:51	08:46
	22:14	21:26	20:12	10:49 (1) 18:54	11:19 (1) 16:44	16:05
9	05:04	05:54	06:53	10:21 (1) 07:50	08:36 (2) 07:53	08:47
	22:13	21:24	20:09	10:54 (1) 18:52	11:18 (1) 16:42	16:05
10	05:06	05:56	06:55	10:17 (1) 07:52	08:36 (2) 07:55	08:48
	22:12	21:22	20:07	10:58 (1) 18:49	11:18 (1) 16:40	16:04
11	05:07	05:58	06:57	10:15 (1) 07:54	08:38 (2) 07:57	08:50
	22:11	21:19	20:04	11:01 (1) 18:47	11:17 (1) 16:38	16:04
12	05:08	06:00	06:59	10:11 (1) 07:56	08:39 (2) 07:59	08:51
	22:10	21:17	20:01	11:03 (1) 18:44	11:16 (1) 16:36	16:04
13	05:09	06:02	07:01	10:09 (1) 07:58	08:41 (2) 08:01	08:52
	22:09	21:15	19:59	11:05 (1) 18:42	11:15 (1) 16:34	16:04
14	05:11	06:04	07:02	10:08 (1) 08:00	08:44 (2) 08:04	08:53
	22:08	21:13	19:56	11:08 (1) 18:39	11:16 (1) 16:33	16:04
15	05:12	06:06	07:04	10:06 (1) 08:02	08:48 (2) 08:06	08:54
	22:07	21:11	19:54	11:10 (1) 18:37	11:15 (1) 16:31	16:04
16	05:14	06:08	07:06	08:55 (2) 08:04	09:50 (1) 08:08	08:55
	22:06	21:08	19:51	11:11 (1) 18:35	11:14 (1) 16:29	16:04
17	05:15	06:09	07:08	08:51 (2) 08:06	09:51 (1) 08:10	08:56
	22:04	21:06	19:48	11:13 (1) 18:32	11:13 (1) 16:28	16:04
18	05:16	06:11	07:10	08:48 (2) 08:08	09:51 (1) 08:12	08:57
	22:03	21:04	19:46	11:14 (1) 18:30	11:12 (1) 16:26	16:04
19	05:18	06:13	07:12	08:45 (2) 08:10	09:52 (1) 08:13	08:57
	22:02	21:01	19:43	11:15 (1) 18:27	11:11 (1) 16:25	16:04
20	05:19	06:15	07:14	08:43 (2) 08:12	09:52 (1) 08:15	08:58
	22:00	20:59	19:41	11:16 (1) 18:25	11:09 (1) 16:23	16:05
21	05:21	06:17	07:16	08:42 (2) 08:14	09:53 (1) 08:17	08:59
	21:59	20:57	19:38	11:17 (1) 18:23	11:08 (1) 16:22	16:05
22	05:23	06:19	07:18	08:41 (2) 08:16	09:55 (1) 08:19	08:59
	21:57	20:54	19:36	11:18 (1) 18:20	11:08 (1) 16:20	16:05
23	05:24	06:21	07:19	08:39 (2) 08:18	09:56 (1) 08:21	09:00
	21:56	20:52	19:33	11:18 (1) 18:18	11:06 (1) 16:19	16:06
24	05:26	06:23	07:21	08:38 (2) 08:20	09:56 (1) 08:23	09:00
	21:54	20:49	19:30	11:19 (1) 18:16	11:05 (1) 16:18	16:07
25	05:28	06:25	07:23	08:37 (2) 07:22	08:57 (1) 08:25	09:00
	21:52	20:47	19:28	11:20 (1) 17:13	10:03 (1) 16:16	16:07
26	05:29	06:27	07:25	08:37 (2) 07:24	08:59 (1) 08:27	09:01
	21:51	20:44	19:25	11:20 (1) 17:11	10:01 (1) 16:15	16:08
27	05:31	06:28	07:27	08:36 (2) 07:26	09:01 (1) 08:28	09:01
	21:49	20:42	19:23	11:21 (1) 17:09	10:00 (1) 16:14	16:09
28	05:33	06:30	07:29	08:34 (2) 07:29	09:02 (1) 08:30	09:01
	21:47	20:40	19:20	11:20 (1) 17:07	09:58 (1) 16:13	16:10
29	05:34	06:32	07:31	08:34 (2) 07:31	09:04 (1) 08:32	09:01
	21:46	20:37	19:17	11:20 (1) 17:04	09:56 (1) 16:12	16:11
30	05:36	06:34	07:33	08:34 (2) 07:33	09:06 (1) 08:34	09:01
	21:44	20:35	19:15	11:20 (1) 17:02	09:54 (1) 16:11	16:11
31	05:38	06:36		07:35	09:09 (1)	09:01
	21:42	20:32		17:00	09:52 (1)	16:13
Potential sun hours	521	465	383	326	253	224
Total, worst case			2161	2966	106	
Sun reduction			0,40	0,31	0,16	
Oper. time red.			1,00	1,00	1,00	
Wind dir. red.			0,78	0,76	0,72	
Total reduction			0,31	0,23	0,11	
Total, real			661	690	12	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** H - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	January	February	March	April	May	June
1 09:01	11:20 (1)	08:28	09:23 (2)	07:27	07:08	05:55
16:14	62 12:22 (1)	17:08	107 12:33 (1)	18:07	20:10	21:09
2 09:01	11:20 (1)	08:26	09:22 (2)	07:24	07:05	05:53
16:15	62 12:22 (1)	17:10	108 12:33 (1)	18:10	20:12	21:11
3 09:01	11:20 (1)	08:24	09:22 (2)	07:22	07:03	05:51
16:16	63 12:23 (1)	17:12	106 12:32 (1)	18:12	20:14	21:13
4 09:00	11:20 (1)	08:22	09:22 (2)	07:19	07:00	05:49
16:18	63 12:23 (1)	17:15	107 12:32 (1)	18:14	20:16	21:15
5 09:00	11:21 (1)	08:20	09:22 (2)	07:17	06:58	05:46
16:19	63 12:24 (1)	17:17	107 12:32 (1)	18:16	20:18	21:17
6 08:59	11:21 (1)	08:18	09:21 (2)	07:15	06:55	05:44
16:20	64 12:25 (1)	17:19	106 12:31 (1)	18:18	20:20	21:19
7 08:59	11:21 (1)	08:16	09:22 (2)	07:12	06:53	05:42
16:22	64 12:25 (1)	17:21	104 12:30 (1)	18:20	20:22	21:20
8 08:58	11:21 (1)	08:14	09:21 (2)	07:10	06:50	05:40
16:23	64 12:25 (1)	17:23	103 12:29 (1)	18:22	20:24	21:22
9 08:58	11:22 (1)	08:12	09:21 (2)	07:07	06:48	05:38
16:25	65 12:27 (1)	17:25	100 12:28 (1)	18:24	20:26	21:24
10 08:57	11:22 (1)	08:10	09:21 (2)	07:04	06:45	05:36
16:26	66 12:28 (1)	17:27	99 12:27 (1)	18:26	20:27	21:26
11 08:56	11:22 (1)	08:08	09:21 (2)	07:02	06:43	05:34
16:28	66 12:28 (1)	17:30	96 12:26 (1)	18:28	20:29	21:28
12 08:55	11:22 (1)	08:06	09:21 (2)	06:59	06:40	05:32
16:30	66 12:28 (1)	17:32	91 12:23 (1)	18:30	20:31	21:30
13 08:54	11:22 (1)	08:04	09:21 (2)	06:57	06:38	05:30
16:31	67 12:29 (1)	17:34	87 12:21 (1)	18:32	20:33	21:32
14 08:53	11:22 (1)	08:02	09:22 (2)	06:54	06:35	05:29
16:33	67 12:29 (1)	17:36	81 12:19 (1)	18:34	20:35	21:34
15 08:52	11:23 (1)	08:00	09:22 (2)	06:52	06:33	05:27
16:35	67 12:30 (1)	17:38	75 12:16 (1)	18:36	20:37	21:35
16 08:51	11:22 (1)	07:57	09:23 (2)	06:49	06:30	05:25
16:36	68 12:30 (1)	17:40	65 12:12 (1)	18:38	20:39	21:37
17 08:50	11:23 (1)	07:55	09:24 (2)	06:47	06:28	05:23
16:38	68 12:31 (1)	17:42	49 12:05 (1)	18:40	20:41	21:39
18 08:49	11:24 (1)	07:53	09:24 (2)	06:44	06:25	05:21
16:40	68 12:32 (1)	17:44	41 10:05 (2)	18:42	20:43	21:41
19 08:48	11:23 (1)	07:51	09:25 (2)	06:42	06:23	05:20
16:42	69 12:32 (1)	17:47	39 10:04 (2)	18:44	20:45	21:42
20 08:47	09:38 (2)	07:48	09:26 (2)	06:39	06:21	05:18
16:44	74 12:32 (1)	17:49	37 10:03 (2)	18:46	20:47	21:44
21 08:45	09:34 (2)	07:46	09:27 (2)	06:36	06:18	05:16
16:46	82 12:32 (1)	17:51	34 10:01 (2)	18:48	20:49	21:46
22 08:44	09:31 (2)	07:44	09:29 (2)	06:34	06:16	05:15
16:48	88 12:32 (1)	17:53	31 10:00 (2)	18:50	20:51	21:48
23 08:42	09:30 (2)	07:41	09:30 (2)	06:31	06:13	05:13
16:50	92 12:33 (1)	17:55	27 09:57 (2)	18:52	20:53	21:49
24 08:41	09:29 (2)	07:39	09:33 (2)	06:29	06:11	05:12
16:52	94 12:33 (1)	17:57	22 09:55 (2)	18:54	20:55	21:51
25 08:40	09:27 (2)	07:37	09:36 (2)	06:26	06:09	05:10
16:54	98 12:33 (1)	17:59	14 09:50 (2)	18:56	20:57	21:52
26 08:38	09:27 (2)	07:34		06:23	06:06	05:09
16:56	100 12:34 (1)	18:01		18:58	20:59	21:54
27 08:36	09:26 (2)	07:32		06:21	06:04	05:08
16:58	102 12:34 (1)	18:03		19:00	21:01	21:56
28 08:35	09:25 (2)	07:29		06:18	06:02	05:06
17:00	103 12:34 (1)	18:05		19:02	21:03	21:57
29 08:33	09:24 (2)			07:16	06:00	05:05
17:02	105 12:34 (1)			20:04	21:05	21:58
30 08:31	09:24 (2)			07:13	05:57	05:04
17:04	106 12:34 (1)			20:06	21:07	22:00
31 08:30	09:23 (2)			07:11		05:03
17:06	106 12:33 (1)			20:08		22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case	2392	1836				
Sun reduction	0,18	0,25				
Oper. time red.	1,00	1,00				
Wind dir. red.	0,27	0,48				
Total reduction	0,05	0,11				
Total, real	109	201				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** H - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	07:37	08:51 (2) 08:35
	22:18	21:40	20:30	19:12	16:58	98 11:57 (1) 16:10 65 12:10 (1)
2	04:58	05:41	06:40	07:37	07:39	08:50 (2) 08:37
	22:18	21:38	20:27	19:10	16:56	102 11:58 (1) 16:09 66 12:10 (1)
3	04:58	05:43	06:42	07:39	07:41	08:50 (2) 08:39
	22:17	21:36	20:24	19:07	16:54	103 11:58 (1) 16:08 65 12:10 (1)
4	04:59	05:45	06:44	07:41	07:43	08:51 (2) 08:40
	22:17	21:34	20:22	19:05	16:52	104 12:00 (1) 16:08 65 12:11 (1)
5	05:00	05:47	06:45	07:43	07:45	08:51 (2) 08:42
	22:16	21:32	20:19	19:02	16:50	106 12:01 (1) 16:07 64 12:10 (1)
6	05:01	05:49	06:47	07:44	07:47	08:51 (2) 08:43
	22:16	21:30	20:17	18:59	16:48	106 12:01 (1) 16:06 64 12:11 (1)
7	05:02	05:51	06:49	07:46	07:49	08:51 (2) 08:44
	22:15	21:28	20:14	18:57	16:46	108 12:02 (1) 16:06 63 12:10 (1)
8	05:03	05:53	06:51	07:48	07:51	08:53 (2) 08:46
	22:14	21:26	20:12	18:54	16:44	107 12:03 (1) 16:05 63 12:11 (1)
9	05:04	05:54	06:53	07:50	07:53	08:53 (2) 08:47
	22:13	21:24	20:09	18:52	16:42	107 12:04 (1) 16:05 63 12:11 (1)
10	05:06	05:56	06:55	07:52	07:55	08:53 (2) 08:48
	22:12	21:22	20:07	18:49	16:40	108 12:04 (1) 16:04 62 12:12 (1)
11	05:07	05:58	06:57	07:54	07:57	08:54 (2) 08:50
	22:11	21:19	20:04	18:47	16:38	106 12:04 (1) 16:04 62 12:12 (1)
12	05:08	06:00	06:59	07:56	07:59	08:56 (2) 08:51
	22:10	21:17	20:01	18:44	16:36	105 12:05 (1) 16:04 62 12:12 (1)
13	05:09	06:02	07:01	07:58	08:01	08:56 (2) 08:52
	22:09	21:15	19:59	18:42	16:34	105 12:06 (1) 16:04 61 12:12 (1)
14	05:11	06:04	07:02	08:00	08:04	08:57 (2) 08:53
	22:08	21:13	19:56	18:39	16:33	104 12:06 (1) 16:04 61 12:12 (1)
15	05:12	06:06	07:04	08:02	08:06	08:58 (2) 08:54
	22:07	21:10	19:54	18:37	16:31	102 12:06 (1) 16:04 61 12:14 (1)
16	05:14	06:08	07:06	08:04	10:13 (2) 08:08	09:00 (2) 08:55
	22:06	21:08	19:51	18:35	5 10:18 (2) 16:29	100 12:07 (1) 16:04 61 12:13 (1)
17	05:15	06:09	07:08	08:06	10:06 (2) 08:10	09:01 (2) 08:56
	22:04	21:06	19:48	18:32	18 10:24 (2) 16:28	98 12:07 (1) 16:04 60 12:13 (1)
18	05:16	06:11	07:10	08:08	10:03 (2) 08:12	09:03 (2) 08:57
	22:03	21:04	19:46	18:30	24 10:27 (2) 16:26	94 12:07 (1) 16:04 60 12:14 (1)
19	05:18	06:13	07:12	08:10	10:01 (2) 08:13	09:04 (2) 08:57
	22:02	21:01	19:43	18:27	28 10:29 (2) 16:25	92 12:07 (1) 16:04 60 12:15 (1)
20	05:19	06:15	07:14	08:12	09:59 (2) 08:15	09:06 (2) 08:58
	22:00	20:59	19:41	18:25	31 10:30 (2) 16:23	88 12:07 (1) 16:05 60 12:14 (1)
21	05:21	06:17	07:16	08:14	09:57 (2) 08:17	09:10 (2) 08:59
	21:59	20:57	19:38	18:23	35 10:32 (2) 16:22	83 12:08 (1) 16:05 60 12:15 (1)
22	05:23	06:19	07:18	08:16	09:56 (2) 08:19	09:14 (2) 08:59
	21:57	20:54	19:35	18:20	38 10:34 (2) 16:20	75 12:08 (1) 16:05 60 12:16 (1)
23	05:24	06:21	07:19	08:18	09:55 (2) 08:21	11:00 (1) 09:00
	21:56	20:52	19:33	18:18	40 10:35 (2) 16:19	69 12:09 (1) 16:06 60 12:16 (1)
24	05:26	06:23	07:21	08:20	09:54 (2) 08:23	11:01 (1) 09:00
	21:54	20:49	19:30	18:16	41 10:35 (2) 16:18	68 12:09 (1) 16:07 60 12:17 (1)
25	05:28	06:25	07:23	07:22	08:53 (2) 08:25	11:01 (1) 09:00
	21:53	20:47	19:28	17:13	56 11:37 (1) 16:16	68 12:09 (1) 16:07 60 12:17 (1)
26	05:29	06:27	07:25	07:24	08:52 (2) 08:27	11:02 (1) 09:01
	21:51	20:44	19:25	17:11	69 11:43 (1) 16:15	67 12:09 (1) 16:08 60 12:18 (1)
27	05:31	06:28	07:27	07:26	08:52 (2) 08:28	11:02 (1) 09:01
	21:49	20:42	19:23	17:09	77 11:47 (1) 16:14	67 12:09 (1) 16:09 61 12:19 (1)
28	05:33	06:30	07:29	07:29	08:52 (2) 08:30	11:03 (1) 09:01
	21:47	20:40	19:20	17:07	81 11:49 (1) 16:13	66 12:09 (1) 16:10 60 12:19 (1)
29	05:34	06:32	07:31	07:31	08:51 (2) 08:32	11:03 (1) 09:01
	21:46	20:37	19:17	17:04	88 11:51 (1) 16:12	67 12:10 (1) 16:10 61 12:20 (1)
30	05:36	06:34	07:33	07:33	08:50 (2) 08:34	11:04 (1) 09:01
	21:44	20:35	19:15	17:02	93 11:53 (1) 16:11	66 12:10 (1) 16:11 61 12:20 (1)
31	05:38	06:36		07:35	08:51 (2)	09:01
	21:42	20:32		17:00	95 11:55 (1)	16:12 62 12:21 (1)
Potential sun hours	521	465	383	326	253	224
Total, worst case				819	2739	1913
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,56	0,35	0,20
Total reduction				0,16	0,05	0,03
Total, real				130	140	48

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** I - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June					
1 09:01	11:26 (2)	08:28	08:57 (3)	07:27	15:00 (1)	07:08	05:55	05:02			
16:14	59	12:25 (2)	17:08	149	15:47 (1)	18:07	40	15:40 (1)	20:10	21:09	22:03
2 09:01	11:25 (2)	08:26	08:55 (3)	07:24	15:03 (1)	07:05	05:53	05:01			
16:15	60	12:25 (2)	17:10	153	15:47 (1)	18:10	35	15:38 (1)	20:12	21:11	22:04
3 09:01	11:26 (2)	08:24	08:54 (3)	07:22	15:06 (1)	07:03	05:51	05:00			
16:16	60	12:26 (2)	17:12	155	15:48 (1)	18:12	29	15:35 (1)	20:14	21:13	22:05
4 09:00	11:26 (2)	08:22	08:54 (3)	07:19	15:10 (1)	07:00	05:49	04:59			
16:18	60	12:26 (2)	17:15	156	15:49 (1)	18:14	22	15:32 (1)	20:16	21:15	22:06
5 09:00	11:26 (2)	08:20	08:54 (3)	07:17	15:16 (1)	06:58	05:46	04:58			
16:19	62	12:28 (2)	17:17	158	15:50 (1)	18:16	9	15:25 (1)	20:18	21:17	22:08
6 08:59	11:26 (2)	08:18	08:54 (3)	07:14	06:55	05:44	04:57				
16:20	62	12:28 (2)	17:19	158	15:50 (1)	18:18	20:20	21:19	22:09		
7 08:59	11:26 (2)	08:16	08:54 (3)	07:12	06:53	05:42	04:56				
16:22	63	12:29 (2)	17:21	158	15:51 (1)	18:20	20:22	21:20	22:10		
8 08:58	11:26 (2)	08:14	08:54 (3)	07:09	06:50	05:40	04:56				
16:23	64	12:30 (2)	17:23	158	15:51 (1)	18:22	20:24	21:22	22:11		
9 08:58	11:27 (2)	08:12	08:55 (3)	07:07	06:48	05:38	04:55				
16:25	64	12:31 (2)	17:25	156	15:51 (1)	18:24	20:25	21:24	22:12		
10 08:57	11:27 (2)	08:10	08:56 (3)	07:04	06:45	05:36	04:55				
16:26	65	12:32 (2)	17:27	154	15:52 (1)	18:26	20:27	21:26	22:13		
11 08:56	11:27 (2)	08:08	08:57 (3)	07:02	06:43	05:34	04:54				
16:28	66	12:33 (2)	17:29	152	15:52 (1)	18:28	20:29	21:28	22:14		
12 08:55	11:26 (2)	08:06	08:58 (3)	06:59	06:40	05:32	04:54				
16:30	67	12:33 (2)	17:32	146	15:51 (1)	18:30	20:31	21:30	22:14		
13 08:54	11:26 (2)	08:04	09:01 (3)	06:57	06:38	05:30	04:53				
16:31	68	12:34 (2)	17:34	141	15:52 (1)	18:32	20:33	21:32	22:15		
14 08:53	11:26 (2)	08:02	11:32 (2)	06:54	06:35	05:29	04:53				
16:33	69	12:35 (2)	17:36	131	15:52 (1)	18:34	20:35	21:34	22:16		
15 08:52	11:26 (2)	07:59	11:32 (2)	06:52	06:33	05:27	04:53				
16:35	70	12:36 (2)	17:38	129	15:51 (1)	18:36	20:37	21:35	22:16		
16 08:51	11:26 (2)	07:57	11:34 (2)	06:49	06:30	05:25	04:52				
16:36	70	12:36 (2)	17:40	126	15:51 (1)	18:38	20:39	21:37	22:17		
17 08:50	11:26 (2)	07:55	11:35 (2)	06:47	06:28	05:23	04:52				
16:38	83	15:21 (1)	17:42	124	15:52 (1)	18:40	20:41	21:39	22:18		
18 08:49	11:26 (2)	07:53	11:36 (2)	06:44	06:25	05:21	04:52				
16:40	90	15:25 (1)	17:44	120	15:51 (1)	18:42	20:43	21:41	22:18		
19 08:48	11:26 (2)	07:51	11:37 (2)	06:41	06:23	05:20	04:52				
16:42	96	15:28 (1)	17:47	118	15:51 (1)	18:44	20:45	21:42	22:18		
20 08:47	11:26 (2)	07:48	11:39 (2)	06:39	06:21	05:18	04:52				
16:44	100	15:30 (1)	17:49	114	15:51 (1)	18:46	20:47	21:44	22:19		
21 08:45	11:26 (2)	07:46	11:40 (2)	06:36	06:18	05:16	04:52				
16:46	104	15:32 (1)	17:51	108	15:49 (1)	18:48	20:49	21:46	22:19		
22 08:44	11:26 (2)	07:44	11:43 (2)	06:34	06:16	05:15	04:52				
16:48	109	15:34 (1)	17:53	102	15:49 (1)	18:50	20:51	21:48	22:19		
23 08:42	11:26 (2)	07:41	11:44 (2)	06:31	06:13	05:13	04:53				
16:50	112	15:36 (1)	17:55	96	15:48 (1)	18:52	20:53	21:49	22:19		
24 08:41	11:26 (2)	07:39	11:48 (2)	06:29	06:11	05:12	04:53				
16:52	115	15:37 (1)	17:57	87	15:47 (1)	18:54	20:55	21:51	22:19		
25 08:39	11:26 (2)	07:36	11:51 (2)	06:26	06:09	05:10	04:53				
16:54	118	15:39 (1)	17:59	78	15:46 (1)	18:56	20:57	21:52	22:19		
26 08:38	11:27 (2)	07:34	12:00 (2)	06:23	06:06	05:09	04:54				
16:56	120	15:41 (1)	18:01	58	15:45 (1)	18:58	20:59	21:54	22:19		
27 08:36	11:26 (2)	07:32	14:57 (1)	06:21	06:04	05:08	04:54				
16:58	124	15:42 (1)	18:03	46	15:43 (1)	19:00	21:01	21:55	22:19		
28 08:35	09:05 (3)	07:29	14:59 (1)	06:18	06:02	05:06	04:55				
17:00	129	15:43 (1)	18:05	43	15:42 (1)	19:02	21:03	21:57	22:19		
29 08:33	09:03 (3)	07:27	07:16	06:00	05:05	04:55					
17:02	134	15:44 (1)	20:04	21:05	21:58	22:19					
30 08:31	09:01 (3)	07:25	07:13	05:57	05:04	04:56					
17:04	140	15:45 (1)	20:06	21:07	22:00	22:19					
31 08:30	08:59 (3)	07:23	07:11	05:03	05:03	04:56					
17:06	144	15:46 (1)	20:08	22:01	22:01	04:56					
Potential sun hours	242	269	366	423	501	520					
Total, worst case	2747	3474	4152	4887	5622	5957					
Sun reduction	0,18	0,25	0,34	0,43	0,52	0,62					
Oper. time red.	1,00	1,00	1,00	1,00	1,00	1,00					
Wind dir. red.	0,28	0,43	0,62	0,81	1,00	1,00					
Total reduction	0,05	0,10	0,20	0,34	0,52	0,62					
Total, real	132	347	415	488	562	595					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacij k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilē / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: I - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with columns for months (July to December) and rows for each day (1-31) showing sunrise, sunset, and shadow times. Includes a summary section for 'Potential sun hours' and 'Total, worst case'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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UAB Infraplanas

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** J - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June					
1 09:01	09:48 (3)	08:28	15:13 (2)	07:27	16:35 (1)	07:08	05:55	05:02			
16:14	26	10:14 (3)	17:08	47	16:00 (2)	18:07	31	17:06 (1)	20:10	21:09	22:03
2 09:01	09:47 (3)	08:26	15:12 (2)	07:24	16:36 (1)	07:05	05:53	05:01			
16:15	27	10:14 (3)	17:10	48	16:00 (2)	18:09	29	17:05 (1)	20:12	21:11	22:04
3 09:01	09:48 (3)	08:24	15:12 (2)	07:22	16:36 (1)	07:03	05:51	05:00			
16:16	27	10:15 (3)	17:12	49	16:01 (2)	18:12	28	17:04 (1)	20:14	21:13	22:05
4 09:00	09:48 (3)	08:22	15:12 (2)	07:19	16:38 (1)	07:00	05:48	04:59			
16:18	28	10:16 (3)	17:15	50	16:02 (2)	18:14	25	17:03 (1)	20:16	21:15	22:06
5 09:00	09:49 (3)	08:20	15:12 (2)	07:17	16:39 (1)	06:58	05:46	04:58			
16:19	28	10:17 (3)	17:17	50	16:02 (2)	18:16	22	17:01 (1)	20:18	21:17	22:08
6 08:59	09:49 (3)	08:18	15:12 (2)	07:14	16:42 (1)	06:55	05:44	04:57			
16:20	28	10:17 (3)	17:19	51	16:03 (2)	18:18	17	16:59 (1)	20:20	21:19	22:09
7 08:59	09:49 (3)	08:16	15:11 (2)	07:12	16:45 (1)	06:53	05:42	04:56			
16:22	28	10:17 (3)	17:21	51	16:02 (2)	18:20	9	16:54 (1)	20:22	21:20	22:10
8 08:58	09:49 (3)	08:14	15:11 (2)	07:09		06:50	05:40	04:56			
16:23	29	10:18 (3)	17:23	52	16:03 (2)	18:22		20:23	21:22	22:11	
9 08:58	09:49 (3)	08:12	15:11 (2)	07:07		06:48	05:38	04:55			
16:25	29	10:18 (3)	17:25	52	16:03 (2)	18:24		20:25	21:24	22:12	
10 08:57	09:51 (3)	08:10	15:12 (2)	07:04		06:45	05:36	04:54			
16:26	28	10:19 (3)	17:27	51	16:03 (2)	18:26		20:27	21:26	22:13	
11 08:56	09:50 (3)	08:08	15:12 (2)	07:02		06:43	05:34	04:54			
16:28	29	10:19 (3)	17:29	52	16:04 (2)	18:28		20:29	21:28	22:14	
12 08:55	09:50 (3)	08:06	15:12 (2)	06:59		06:40	05:32	04:54			
16:29	29	10:19 (3)	17:32	51	16:03 (2)	18:30		20:31	21:30	22:14	
13 08:54	09:51 (3)	08:04	15:12 (2)	06:57		06:38	05:30	04:53			
16:31	29	10:20 (3)	17:34	63	16:58 (1)	18:32		20:33	21:32	22:15	
14 08:53	09:52 (3)	08:02	15:13 (2)	06:54		06:35	05:28	04:53			
16:33	28	10:20 (3)	17:36	68	17:01 (1)	18:34		20:35	21:34	22:16	
15 08:52	09:52 (3)	07:59	15:13 (2)	06:52		06:33	05:27	04:53			
16:35	29	10:21 (3)	17:38	71	17:02 (1)	18:36		20:37	21:35	22:16	
16 08:51	09:52 (3)	07:57	15:14 (2)	06:49		06:30	05:25	04:52			
16:36	28	10:20 (3)	17:40	73	17:04 (1)	18:38		20:39	21:37	22:17	
17 08:50	09:53 (3)	07:55	15:15 (2)	06:47		06:28	05:23	04:52			
16:38	28	10:21 (3)	17:42	74	17:06 (1)	18:40		20:41	21:39	22:18	
18 08:49	09:54 (3)	07:53	15:15 (2)	06:44		06:25	05:21	04:52			
16:40	37	15:38 (2)	17:44	74	17:06 (1)	18:42		20:43	21:41	22:18	
19 08:48	09:54 (3)	07:50	15:16 (2)	06:41		06:23	05:20	04:52			
16:42	44	15:41 (2)	17:46	74	17:07 (1)	18:44		20:45	21:42	22:18	
20 08:47	09:56 (3)	07:48	15:17 (2)	06:39		06:20	05:18	04:52			
16:44	46	15:44 (2)	17:49	74	17:08 (1)	18:46		20:47	21:44	22:19	
21 08:45	09:56 (3)	07:46	15:18 (2)	06:36		06:18	05:16	04:52			
16:46	49	15:46 (2)	17:51	72	17:08 (1)	18:48		20:49	21:46	22:19	
22 08:44	09:57 (3)	07:44	15:20 (2)	06:34		06:16	05:15	04:52			
16:48	52	15:48 (2)	17:53	70	17:09 (1)	18:50		20:51	21:48	22:19	
23 08:42	09:59 (3)	07:41	15:21 (2)	06:31		06:13	05:13	04:53			
16:50	52	15:50 (2)	17:55	67	17:08 (1)	18:52		20:53	21:49	22:19	
24 08:41	10:00 (3)	07:39	15:24 (2)	06:29		06:11	05:12	04:53			
16:52	52	15:51 (2)	17:57	63	17:09 (1)	18:54		20:55	21:51	22:19	
25 08:39	10:01 (3)	07:36	15:26 (2)	06:26		06:09	05:10	04:53			
16:54	51	15:52 (2)	17:59	57	17:08 (1)	18:56		20:57	21:52	22:19	
26 08:38	10:04 (3)	07:34	15:30 (2)	06:23		06:06	05:09	04:54			
16:56	50	15:55 (2)	18:01	50	17:08 (1)	18:58		20:59	21:54	22:19	
27 08:36	10:07 (3)	07:32	16:34 (1)	06:21		06:04	05:08	04:54			
16:58	46	15:56 (2)	18:03	33	17:07 (1)	19:00		21:01	21:55	22:19	
28 08:35	15:15 (2)	07:29	16:35 (1)	06:18		06:02	05:06	04:55			
17:00	41	15:56 (2)	18:05	32	17:07 (1)	19:02		21:03	21:57	22:19	
29 08:33	15:14 (2)			07:16		05:59	05:05	04:55			
17:02	43	15:57 (2)		20:04		21:05	21:58	22:19			
30 08:31	15:14 (2)			07:13		05:57	05:04	04:56			
17:04	44	15:58 (2)		20:06		21:07	22:00	22:19			
31 08:30	15:13 (2)			07:11			05:03				
17:06	46	15:59 (2)		20:08			22:01				
Potential sun hours	242		269		366		423	501	520		
Total, worst case	1131		1619		161						
Sun reduction	0,18		0,25		0,34						
Oper. time red.	1,00		1,00		1,00						
Wind dir. red.	0,62		0,72		0,87						
Total reduction	0,11		0,17		0,29						
Total, real	123		279		46						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniķ (Īilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** J - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December	
1	04:57	05:40	06:38	07:35	07:37	14:41 (2) 08:35	
	22:18	21:40	20:29	19:12	16:58	52 15:33 (2) 16:10	
2	04:58	05:41	06:40	07:37	07:39	14:41 (2) 08:37	
	22:18	21:38	20:27	19:10	16:56	52 15:33 (2) 16:09	
3	04:58	05:43	06:42	07:39	07:41	14:41 (2) 08:38	
	22:17	21:36	20:24	19:07	16:54	51 15:32 (2) 16:08	
4	04:59	05:45	06:44	07:41	07:43	14:42 (2) 08:40	
	22:17	21:34	20:22	19:04	16:52	51 15:33 (2) 16:08	
5	05:00	05:47	06:45	07:42	07:45	14:42 (2) 08:42	
	22:16	21:32	20:19	19:02	16:50	50 15:32 (2) 16:07	
6	05:01	05:49	06:47	07:44	07:47	14:42 (2) 08:43	
	22:15	21:30	20:17	18:59	16:48	50 15:32 (2) 16:06	
7	05:02	05:51	06:49	07:46	07:49	14:42 (2) 08:44	
	22:15	21:28	20:14	18:57	17:19 (1) 16:46	49 15:31 (2) 16:06	
8	05:03	05:52	06:51	07:48	17:15 (1) 07:51	14:43 (2) 08:46	
	22:14	21:26	20:12	18:54	20 17:35 (1) 16:44	49 15:32 (2) 16:05	
9	05:04	05:54	06:53	07:50	17:13 (1) 07:53	14:43 (2) 08:47	
	22:13	21:24	20:09	18:52	23 17:36 (1) 16:42	48 15:31 (2) 16:05	
10	05:06	05:56	06:55	07:52	17:11 (1) 07:55	14:44 (2) 08:48	
	22:12	21:22	20:07	18:49	26 17:37 (1) 16:40	47 15:31 (2) 16:04	
11	05:07	05:58	06:57	07:54	17:10 (1) 07:57	14:44 (2) 08:50	
	22:11	21:19	20:04	18:47	28 17:38 (1) 16:38	46 15:30 (2) 16:04	
12	05:08	06:00	06:59	07:56	17:08 (1) 07:59	14:46 (2) 08:51	
	22:10	21:17	20:01	18:44	31 17:39 (1) 16:36	44 15:30 (2) 16:04	
13	05:09	06:02	07:01	07:58	17:07 (1) 08:01	14:46 (2) 08:52	
	22:09	21:15	19:59	18:42	32 17:39 (1) 16:34	43 15:29 (2) 16:04	
14	05:11	06:04	07:02	08:00	17:06 (1) 08:03	14:47 (2) 08:53	
	22:08	21:13	19:56	18:39	33 17:39 (1) 16:33	41 15:28 (2) 16:04	
15	05:12	06:06	07:04	08:02	16:06 (2) 08:05	09:38 (3) 08:54	
	22:07	21:10	19:54	18:37	43 17:41 (1) 16:31	47 15:27 (2) 16:04	
16	05:13	06:07	07:06	08:04	16:00 (2) 08:07	09:37 (3) 08:55	
	22:06	21:08	19:51	18:35	54 17:40 (1) 16:29	49 15:27 (2) 16:04	
17	05:15	06:09	07:08	08:06	15:57 (2) 08:09	09:35 (3) 08:56	
	22:04	21:06	19:48	18:32	59 17:40 (1) 16:28	51 15:26 (2) 16:04	
18	05:16	06:11	07:10	08:08	15:54 (2) 08:11	09:34 (3) 08:56	
	22:03	21:04	19:46	18:30	65 17:40 (1) 16:26	52 15:25 (2) 16:04	
19	05:18	06:13	07:12	08:10	15:52 (2) 08:13	09:33 (3) 08:57	
	22:02	21:01	19:43	18:27	68 17:39 (1) 16:25	52 15:24 (2) 16:04	
20	05:19	06:15	07:14	08:12	15:50 (2) 08:15	09:32 (3) 08:58	
	22:00	20:59	19:41	18:25	71 17:39 (1) 16:23	52 15:23 (2) 16:05	
21	05:21	06:17	07:16	08:14	15:48 (2) 08:17	09:32 (3) 08:59	
	21:59	20:56	19:38	18:23	73 17:38 (1) 16:22	49 15:22 (2) 16:05	
22	05:23	06:19	07:18	08:16	15:47 (2) 08:19	09:32 (3) 08:59	
	21:57	20:54	19:35	18:20	74 17:38 (1) 16:20	47 15:21 (2) 16:05	
23	05:24	06:21	07:19	08:18	15:46 (2) 08:21	09:32 (3) 09:00	
	21:56	20:52	19:33	18:18	74 17:37 (1) 16:19	44 15:19 (2) 16:06	
24	05:26	06:23	07:21	08:20	15:45 (2) 08:23	09:31 (3) 09:00	
	21:54	20:49	19:30	18:16	75 17:36 (1) 16:18	38 15:16 (2) 16:06	
25	05:27	06:25	07:23	07:22	14:44 (2) 08:25	09:31 (3) 09:00	
	21:52	20:47	19:28	17:13	74 16:35 (1) 16:16	28 09:59 (3) 16:07	
26	05:29	06:26	07:25	07:24	14:43 (2) 08:27	09:31 (3) 09:01	
	21:51	20:44	19:25	17:11	72 16:33 (1) 16:15	28 09:59 (3) 16:08	
27	05:31	06:28	07:27	07:26	14:43 (2) 08:28	09:32 (3) 09:01	
	21:49	20:42	19:22	17:09	70 16:32 (1) 16:14	28 10:00 (3) 16:09	
28	05:33	06:30	07:29	07:28	14:42 (2) 08:30	09:32 (3) 09:01	
	21:47	20:39	19:20	17:07	67 16:30 (1) 16:13	29 10:01 (3) 16:10	
29	05:34	06:32	07:31	07:31	14:42 (2) 08:32	09:32 (3) 09:01	
	21:46	20:37	19:17	17:04	60 16:26 (1) 16:12	29 10:01 (3) 16:10	
30	05:36	06:34	07:33	07:33	14:41 (2) 08:34	09:33 (3) 09:01	
	21:44	20:34	19:15	17:02	51 15:32 (2) 16:11	29 10:02 (3) 16:11	
31	05:38	06:36		07:35	14:41 (2)		09:01
	21:42	20:32		17:00	51 15:32 (2)		16:12
Potential sun hours	521	465	383	326	253	224	822
Total, worst case				1307			822
Sun reduction				0,31			0,14
Oper. time red.				1,00			1,00
Wind dir. red.				0,76			0,59
Total reduction				0,23			0,08
Total, real				298			64

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īdilutēs r.

Description:

Vējo elektriniņ (Īdilutēs raj. sav. Usēņo ir Juknaieņo sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
 Inovacijų k. 3, Biruliskiy k.,
 LT-54469 Kauno r. sav.
 +8 621 66746
 Raminta Survilė / r.survile@infraplanas.lt
 Calculated:
 2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** K - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January		February		March		April		May		June	
1	09:01		09:39 (3)	08:28	09:47 (3)	07:27	15:27 (2)	07:08	05:55		05:02	
	16:14	15	09:54 (3)	17:08	16:06 (2)	18:07	17:24 (1)	20:10	21:09		22:03	
2	09:01		09:38 (3)	08:26	09:49 (3)	07:24	15:28 (2)	07:05	05:53		05:01	
	16:15	16	09:54 (3)	17:10	16:08 (2)	18:09	17:25 (1)	20:12	21:11		22:04	
3	09:01		09:38 (3)	08:24	09:52 (3)	07:22	15:28 (2)	07:03	05:51		05:00	
	16:16	18	09:56 (3)	17:12	16:10 (2)	18:12	17:24 (1)	20:14	21:13		22:05	
4	09:00		09:38 (3)	08:22	15:34 (2)	07:19	15:30 (2)	07:00	05:49		04:59	
	16:18	18	09:56 (3)	17:15	16:12 (2)	18:14	17:25 (1)	20:16	21:15		22:06	
5	09:00		09:38 (3)	08:20	15:33 (2)	07:17	15:31 (2)	06:58	05:46		04:58	
	16:19	20	09:58 (3)	17:17	16:13 (2)	18:16	17:24 (1)	20:18	21:17		22:08	
6	08:59		09:38 (3)	08:18	15:32 (2)	07:14	15:33 (2)	06:55	05:44		04:57	
	16:20	21	09:59 (3)	17:19	16:15 (2)	18:18	17:24 (1)	20:20	21:18		22:09	
7	08:59		09:37 (3)	08:16	15:30 (2)	07:12	15:35 (2)	06:53	05:42		04:56	
	16:22	22	09:59 (3)	17:21	16:15 (2)	18:20	17:23 (1)	20:22	21:20		22:10	
8	08:58		09:37 (3)	08:14	15:29 (2)	07:09	15:36 (2)	06:50	05:40		04:56	
	16:23	23	10:00 (3)	17:23	16:17 (2)	18:22	17:22 (1)	20:23	21:22		22:11	
9	08:58		09:37 (3)	08:12	15:29 (2)	07:07	15:40 (2)	06:48	05:38		04:55	
	16:25	24	10:01 (3)	17:25	16:18 (2)	18:24	17:22 (1)	20:25	21:24		22:12	
10	08:57		09:38 (3)	08:10	15:28 (2)	07:04	15:44 (2)	06:45	05:36		04:54	
	16:26	25	10:03 (3)	17:27	16:19 (2)	18:26	17:20 (1)	20:27	21:26		22:13	
11	08:56		09:37 (3)	08:08	15:28 (2)	07:02	16:50 (1)	06:43	05:34		04:54	
	16:28	25	10:02 (3)	17:29	16:20 (2)	18:28	17:20 (1)	20:29	21:28		22:14	
12	08:55		09:37 (3)	08:06	15:26 (2)	06:59	16:50 (1)	06:40	05:32		04:54	
	16:29	26	10:03 (3)	17:32	16:20 (2)	18:30	17:18 (1)	20:31	21:30		22:14	
13	08:54		09:37 (3)	08:04	15:26 (2)	06:57	16:51 (1)	06:38	05:30		04:53	
	16:31	27	10:04 (3)	17:34	16:21 (2)	18:32	17:16 (1)	20:33	21:32		22:15	
14	08:53		09:37 (3)	08:02	15:26 (2)	06:54	16:54 (1)	06:35	05:28		04:53	
	16:33	28	10:05 (3)	17:36	16:22 (2)	18:34	17:14 (1)	20:35	21:34		22:16	
15	08:52		09:38 (3)	07:59	15:25 (2)	06:52	16:56 (1)	06:33	05:27		04:53	
	16:35	28	10:06 (3)	17:38	16:21 (2)	18:36	17:10 (1)	20:37	21:35		22:16	
16	08:51		09:37 (3)	07:57	15:25 (2)	06:49		06:30	05:25		04:52	
	16:36	29	10:06 (3)	17:40	16:22 (2)	18:38		20:39	21:37		22:17	
17	08:50		09:37 (3)	07:55	15:25 (2)	06:47		06:28	05:23		04:52	
	16:38	30	10:07 (3)	17:42	16:23 (2)	18:40		20:41	21:39		22:18	
18	08:49		09:38 (3)	07:53	15:24 (2)	06:44		06:25	05:21		04:52	
	16:40	30	10:08 (3)	17:44	16:22 (2)	18:42		20:43	21:41		22:18	
19	08:48		09:38 (3)	07:50	15:24 (2)	06:41		06:23	05:20		04:52	
	16:42	30	10:08 (3)	17:46	16:23 (2)	18:44		20:45	21:42		22:18	
20	08:47		09:39 (3)	07:48	15:25 (2)	06:39		06:20	05:18		04:52	
	16:44	30	10:09 (3)	17:49	16:23 (2)	18:46		20:47	21:44		22:19	
21	08:45		09:38 (3)	07:46	15:24 (2)	06:36		06:18	05:16		04:52	
	16:46	31	10:09 (3)	17:51	17:14 (1)	18:48		20:49	21:46		22:19	
22	08:44		09:38 (3)	07:44	15:24 (2)	06:34		06:16	05:15		04:52	
	16:48	30	10:08 (3)	17:53	17:17 (1)	18:50		20:51	21:48		22:19	
23	08:42		09:39 (3)	07:41	15:24 (2)	06:31		06:13	05:13		04:53	
	16:50	30	10:09 (3)	17:55	17:19 (1)	18:52		20:53	21:49		22:19	
24	08:41		09:40 (3)	07:39	15:25 (2)	06:29		06:11	05:12		04:53	
	16:52	29	10:09 (3)	17:57	17:21 (1)	18:54		20:55	21:51		22:19	
25	08:39		09:40 (3)	07:36	15:24 (2)	06:26		06:09	05:10		04:53	
	16:54	29	10:09 (3)	17:59	17:21 (1)	18:56		20:57	21:52		22:19	
26	08:38		09:41 (3)	07:34	15:25 (2)	06:23		06:06	05:09		04:54	
	16:56	29	10:10 (3)	18:01	17:23 (1)	18:58		20:59	21:54		22:19	
27	08:36		09:42 (3)	07:32	15:25 (2)	06:21		06:04	05:08		04:54	
	16:58	27	10:09 (3)	18:03	17:23 (1)	19:00		21:01	21:55		22:19	
28	08:35		09:42 (3)	07:29	15:26 (2)	06:18		06:02	05:06		04:55	
	17:00	27	10:09 (3)	18:05	17:24 (1)	19:02		21:03	21:57		22:19	
29	08:33		09:43 (3)			07:16		05:59	05:05		04:55	
	17:02	25	10:08 (3)			20:04		21:05	21:58		22:19	
30	08:31		09:44 (3)			07:13		05:57	05:04		04:56	
	17:04	38	15:59 (2)			20:06		21:07	22:00		22:19	
31	08:30		09:45 (3)			07:11			05:03			
	17:06	43	16:03 (2)			20:08			22:01			
Potential sun hours		242		269		366		423	501		520	
Total, worst case		823		1676		856						
Sun reduction		0,18		0,25		0,34						
Oper. time red.		1,00		1,00		1,00						
Wind dir. red.		0,65		0,75		0,83						
Total reduction		0,11		0,18		0,28						
Total, real		95		301		236						

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** K - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)
 Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	17:30 (1) 07:37	14:58 (2) 08:35
	22:18	21:40	20:29	19:12	26 17:56 (1) 16:58	50 15:48 (2) 16:10
2	04:58	05:41	06:40	07:37	17:28 (1) 07:39	14:58 (2) 08:37
	22:18	21:38	20:27	19:10	29 17:57 (1) 16:56	49 15:47 (2) 16:09
3	04:58	05:43	06:42	07:39	16:25 (2) 07:41	14:59 (2) 08:38
	22:17	21:36	20:24	19:07	41 17:58 (1) 16:54	47 15:46 (2) 16:08
4	04:59	05:45	06:44	07:41	16:19 (2) 07:43	15:01 (2) 08:40
	22:17	21:34	20:22	19:04	54 17:59 (1) 16:52	45 15:46 (2) 16:08
5	05:00	05:47	06:45	07:42	16:15 (2) 07:45	15:02 (2) 08:42
	22:16	21:32	20:19	19:02	62 17:59 (1) 16:50	42 15:44 (2) 16:07
6	05:01	05:49	06:47	07:44	16:12 (2) 07:47	15:03 (2) 08:43
	22:15	21:30	20:17	18:59	68 17:59 (1) 16:48	40 15:43 (2) 16:06
7	05:02	05:51	06:49	07:46	16:09 (2) 07:49	15:04 (2) 08:44
	22:15	21:28	20:14	18:57	74 17:59 (1) 16:46	37 15:41 (2) 16:06
8	05:03	05:52	06:51	07:48	16:07 (2) 07:51	09:23 (3) 08:46
	22:14	21:26	20:12	18:54	78 17:59 (1) 16:44	43 15:41 (2) 16:05
9	05:04	05:54	06:53	07:50	16:05 (2) 07:53	09:20 (3) 08:47
	22:13	21:24	20:09	18:52	81 17:59 (1) 16:42	45 15:39 (2) 16:05
10	05:06	05:56	06:55	07:52	16:03 (2) 07:55	09:18 (3) 08:48
	22:12	21:22	20:07	18:49	84 17:59 (1) 16:40	44 15:36 (2) 16:04
11	05:07	05:58	06:57	07:54	16:02 (2) 07:57	09:16 (3) 08:50
	22:11	21:19	20:04	18:47	85 17:58 (1) 16:38	43 15:34 (2) 16:04
12	05:08	06:00	06:59	07:56	16:00 (2) 07:59	09:16 (3) 08:51
	22:10	21:17	20:01	18:44	87 17:57 (1) 16:36	37 15:31 (2) 16:04
13	05:09	06:02	07:01	07:58	15:59 (2) 08:01	09:15 (3) 08:52
	22:09	21:15	19:59	18:42	88 17:57 (1) 16:34	25 09:40 (3) 16:04
14	05:11	06:04	07:02	08:00	15:58 (2) 08:03	09:14 (3) 08:53
	22:08	21:13	19:56	18:39	88 17:56 (1) 16:33	27 09:41 (3) 16:04
15	05:12	06:06	07:04	08:02	15:58 (2) 08:05	09:14 (3) 08:54
	22:07	21:10	19:54	18:37	88 17:56 (1) 16:31	27 09:41 (3) 16:04
16	05:13	06:07	07:06	08:04	15:57 (2) 08:07	09:14 (3) 08:55
	22:06	21:08	19:51	18:35	87 17:55 (1) 16:29	28 09:42 (3) 16:04
17	05:15	06:09	07:08	08:06	15:56 (2) 08:09	09:14 (3) 08:56
	22:04	21:06	19:48	18:32	85 17:53 (1) 16:28	29 09:43 (3) 16:04
18	05:16	06:11	07:10	08:08	15:56 (2) 08:11	09:14 (3) 08:56
	22:03	21:04	19:46	18:30	82 17:51 (1) 16:26	29 09:43 (3) 16:04
19	05:18	06:13	07:12	08:10	15:55 (2) 08:13	09:13 (3) 08:57
	22:02	21:01	19:43	18:27	80 17:49 (1) 16:25	30 09:43 (3) 16:04
20	05:19	06:15	07:14	08:12	15:55 (2) 08:15	09:13 (3) 08:58
	22:00	20:59	19:41	18:25	76 17:47 (1) 16:23	31 09:44 (3) 16:05
21	05:21	06:17	07:16	08:14	15:54 (2) 08:17	09:14 (3) 08:59
	21:59	20:56	19:38	18:23	70 17:43 (1) 16:22	31 09:45 (3) 16:05
22	05:23	06:19	07:18	08:16	15:55 (2) 08:19	09:15 (3) 08:59
	21:57	20:54	19:35	18:20	58 16:53 (2) 16:20	30 09:45 (3) 16:05
23	05:24	06:21	07:19	08:18	15:55 (2) 08:21	09:15 (3) 09:00
	21:56	20:52	19:33	18:18	58 16:53 (2) 16:19	30 09:45 (3) 16:06
24	05:26	06:23	07:21	08:20	15:54 (2) 08:23	09:15 (3) 09:00
	21:54	20:49	19:30	18:16	58 16:52 (2) 16:18	30 09:45 (3) 16:06
25	05:27	06:25	07:23	07:22	14:54 (2) 08:25	09:16 (3) 09:00
	21:52	20:47	19:28	17:13	58 15:52 (2) 16:16	29 09:45 (3) 16:07
26	05:29	06:26	07:25	07:24	14:54 (2) 08:27	09:16 (3) 09:01
	21:51	20:44	19:25	17:11	57 15:51 (2) 16:15	29 09:45 (3) 16:08
27	05:31	06:28	07:27	07:26	14:55 (2) 08:28	09:17 (3) 09:01
	21:49	20:42	19:22	17:09	57 15:52 (2) 16:14	28 09:45 (3) 16:09
28	05:33	06:30	07:29	17:39 (1) 07:28	14:55 (2) 08:30	09:17 (3) 09:01
	21:47	20:39	19:20	11 17:50 (1) 17:07	56 15:51 (2) 16:13	28 09:45 (3) 16:10
29	05:34	06:32	07:31	17:35 (1) 07:31	14:56 (2) 08:32	09:18 (3) 09:01
	21:46	20:37	19:17	18 17:53 (1) 17:04	54 15:50 (2) 16:12	27 09:45 (3) 16:10
30	05:36	06:34	07:33	17:32 (1) 07:33	14:56 (2) 08:34	09:19 (3) 09:01
	21:44	20:34	19:15	23 17:55 (1) 17:02	53 15:49 (2) 16:11	26 09:45 (3) 16:11
31	05:38	06:36		07:35	14:56 (2)	09:01
	21:42	20:32		17:00	52 15:48 (2)	16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case			52	2074	1036	400
Sun reduction			0,40	0,31	0,16	0,14
Oper. time red.			1,00	1,00	1,00	1,00
Wind dir. red.			0,91	0,78	0,68	0,65
Total reduction			0,35	0,24	0,11	0,09
Total, real			18	488	109	34

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: L - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31) showing sun rise and set times and shadow reduction factors.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilē / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: L - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December				
1	04:57 22:18	05:40 21:40	06:38 20:29	07:35 19:12	16:42 (2) 18:22 (1)	07:37 16:58	08:35 16:10	09:21 (3) 26 09:47 (3)		
2	04:58 22:18	05:41 21:38	06:40 20:27	07:37 19:10	16:40 (2) 18:22 (1)	07:39 16:56	08:37 16:09	09:22 (3) 25 09:47 (3)		
3	04:58 22:17	05:43 21:36	06:42 20:24	07:39 19:07	08:26 (5) 18:21 (1)	07:41 16:54	08:38 16:08	09:23 (3) 24 09:47 (3)		
4	04:59 22:17	05:45 21:34	06:44 20:22	07:41 19:04	08:24 (5) 18:21 (1)	07:43 16:52	08:40 16:08	09:24 (3) 23 09:47 (3)		
5	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	08:22 (5) 18:20 (1)	07:45 16:50	09:25 (3) 09:32 (3)	08:41 16:07	09:25 (3) 22 09:47 (3)	
6	05:01 22:15	05:49 21:30	06:47 20:17	07:44 18:59	08:21 (5) 18:19 (1)	07:47 16:48	09:21 (3) 09:36 (3)	08:43 16:06	09:26 (3) 21 09:47 (3)	
7	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	08:20 (5) 18:18 (1)	07:49 16:46	09:19 (3) 09:38 (3)	08:44 16:06	09:26 (3) 20 09:46 (3)	
8	05:03 22:14	05:52 21:26	06:51 20:12	07:48 18:54	08:19 (5) 18:17 (1)	07:51 16:44	09:18 (3) 09:40 (3)	08:46 16:05	09:28 (3) 18 09:46 (3)	
9	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:52	08:19 (5) 18:15 (1)	07:53 16:42	09:17 (3) 09:41 (3)	08:47 16:05	09:29 (3) 16 09:45 (3)	
10	05:06 22:12	05:56 21:22	06:55 20:07	07:52 18:49	08:20 (5) 18:13 (1)	07:55 16:40	09:16 (3) 09:42 (3)	08:48 16:04	09:31 (3) 15 09:46 (3)	
11	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	08:22 (5) 18:11 (1)	07:57 16:38	09:15 (3) 09:43 (3)	08:50 16:04	09:32 (3) 13 09:45 (3)	
12	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	08:24 (5) 18:08 (1)	07:59 16:36	09:15 (3) 09:44 (3)	08:51 16:04	09:33 (3) 12 09:45 (3)	
13	05:09 22:09	06:02 21:15	07:01 19:59	07:58 18:42	08:26 (5) 18:01 (1)	08:01 16:34	09:14 (3) 09:45 (3)	08:52 16:04	09:34 (3) 10 09:44 (3)	
14	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:28 (5) 17:30 (2)	08:03 16:33	09:14 (3) 09:45 (3)	08:53 16:04	09:35 (3) 8 09:43 (3)	
15	05:12 22:07	06:06 21:10	07:04 19:54	08:02 18:37	16:36 (2) 17:30 (2)	08:05 16:31	09:14 (3) 09:45 (3)	08:54 16:04	09:37 (3) 6 09:43 (3)	
16	05:13 22:06	06:07 21:08	07:06 19:51	08:04 18:35	16:36 (2) 17:29 (2)	08:07 16:29	09:14 (3) 09:47 (3)	08:55 16:04	09:39 (3) 3 09:42 (3)	
17	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	16:36 (2) 17:28 (2)	08:09 16:28	09:14 (3) 09:47 (3)	08:56 16:04	09:40 (3) 3 09:42 (3)	
18	05:16 22:03	06:11 21:04	07:10 19:46	08:08 18:30	16:37 (2) 17:27 (2)	08:11 16:26	09:14 (3) 09:47 (3)	08:56 16:04	09:41 (3) 3 09:42 (3)	
19	05:18 22:02	06:13 21:01	07:12 19:43	08:10 18:27	16:37 (2) 17:26 (2)	08:13 16:25	09:14 (3) 09:47 (3)	08:57 16:04	09:42 (3) 3 09:42 (3)	
20	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	16:38 (2) 17:25 (2)	08:15 16:23	09:14 (3) 09:47 (3)	08:58 16:05	09:43 (3) 3 09:42 (3)	
21	05:21 21:59	06:17 20:56	07:16 19:38	18:02 (1) 18:14 (1)	08:14 18:23	16:39 (2) 16:22	09:15 (3) 09:48 (3)	08:59 16:05	09:44 (3) 3 09:42 (3)	
22	05:23 21:57	06:19 20:54	07:18 19:35	17:03 (2) 18:17 (1)	08:16 18:20	16:41 (2) 16:20	09:15 (3) 09:48 (3)	08:59 16:05	09:45 (3) 3 09:42 (3)	
23	05:24 21:56	06:21 20:52	07:19 19:33	16:59 (2) 18:19 (1)	08:18 18:18	16:42 (2) 16:19	09:16 (3) 09:48 (3)	09:00 16:06	09:46 (3) 3 09:42 (3)	
24	05:26 21:54	06:23 20:49	07:21 19:30	16:56 (2) 18:20 (1)	08:20 18:16	16:43 (2) 16:18	09:16 (3) 09:48 (3)	09:00 16:06	09:47 (3) 3 09:42 (3)	
25	05:27 21:52	06:25 20:47	07:23 19:28	16:53 (2) 18:21 (1)	07:22 17:13	15:45 (2) 16:16	09:17 (3) 09:48 (3)	09:00 16:07	09:48 (3) 3 09:42 (3)	
26	05:29 21:51	06:26 20:44	07:25 19:25	16:51 (2) 18:22 (1)	07:24 17:11	15:47 (2) 16:15	09:17 (3) 09:48 (3)	09:01 16:08	09:49 (3) 3 09:42 (3)	
27	05:31 21:49	06:28 20:42	07:27 19:22	16:48 (2) 18:22 (1)	07:26 17:09	15:51 (2) 16:14	09:18 (3) 09:48 (3)	09:01 16:09	09:50 (3) 3 09:42 (3)	
28	05:33 21:47	06:30 20:39	07:29 19:20	16:46 (2) 18:22 (1)	07:28 17:07	15:55 (2) 16:13	09:19 (3) 09:48 (3)	09:01 16:10	09:51 (3) 5 09:49 (3)	
29	05:34 21:45	06:32 20:37	07:31 19:17	16:44 (2) 18:22 (1)	07:31 17:04	08:32 16:12	09:20 (3) 09:48 (3)	09:01 16:10	09:52 (3) 8 09:51 (3)	
30	05:36 21:44	06:34 20:34	07:33 19:15	16:43 (2) 18:22 (1)	07:33 17:02	08:34 16:11	09:21 (3) 09:48 (3)	09:01 16:11	09:53 (3) 9 09:51 (3)	
31	05:38 21:42	06:36 20:32		07:35 17:00			09:01 16:12	09:02 (3) 11 09:53 (3)		
Potential sun hours	521	465	383	326	253		224			
Total, worst case			595		1848	734		295		
Sun reduction			0,40		0,31	0,16		0,14		
Oper. time red.			1,00		1,00	1,00		1,00		
Wind dir. red.			0,89		0,87	0,64		0,64		
Total reduction			0,34		0,26	0,10		0,08		
Total, real			203		479	72		25		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)
Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1.90 5.38 5.62 6.96 8.80 10.41 9.72 7.26 8.32 5.93 2.58 2.32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	
1	09:01	09:57 (3)	08:28	07:27	07:55 (5)	07:08	
	16:14	32 10:29 (3)	17:08	18:07	92 17:35 (1)	20:10	
2	09:01	09:57 (3)	08:26	07:24	07:56 (5)	07:05	
	16:15	31 10:28 (3)	17:10	18:09	93 17:37 (1)	20:12	
3	09:01	09:57 (3)	08:24	07:22	07:55 (5)	07:03	
	16:16	33 10:30 (3)	17:12	18:12	95 17:37 (1)	20:14	
4	09:00	09:57 (3)	08:22	07:19	07:57 (5)	07:00	
	16:18	33 10:30 (3)	17:15	18:14	92 17:38 (1)	20:16	
5	09:00	09:58 (3)	08:20	07:17	07:57 (5)	06:58	
	16:19	33 10:31 (3)	17:17	18:16	90 17:38 (1)	20:18	
6	08:59	09:58 (3)	08:18	07:14	07:59 (5)	06:55	
	16:20	33 10:31 (3)	17:19	18:18	85 17:38 (1)	20:20	
7	08:59	09:58 (3)	08:16	07:12	08:02 (5)	06:53	
	16:22	33 10:31 (3)	17:21	18:20	76 17:38 (1)	20:21	
8	08:58	09:58 (3)	08:14	07:09	16:11 (2)	06:50	
	16:23	34 10:32 (3)	17:23	18:22	70 17:37 (1)	20:23	
9	08:58	09:59 (3)	08:12	07:07	16:13 (2)	06:48	
	16:25	33 10:32 (3)	17:25	18:24	67 17:37 (1)	20:25	
10	08:57	10:00 (3)	08:10	07:04	16:14 (2)	06:45	
	16:26	34 10:34 (3)	17:27	18:26	63 17:36 (1)	20:27	
11	08:56	09:59 (3)	08:08	16:26 (2)	07:02	16:17 (2)	06:43
	16:28	34 10:33 (3)	17:29	14 16:40 (2)	18:28	57 17:36 (1)	20:29
12	08:55	10:00 (3)	08:06	16:22 (2)	06:59	16:18 (2)	06:40
	16:29	34 10:34 (3)	17:32	21 16:43 (2)	18:30	52 17:35 (1)	20:31
13	08:54	10:00 (3)	08:04	16:20 (2)	06:57	16:21 (2)	06:38
	16:31	34 10:34 (3)	17:34	26 16:46 (2)	18:32	43 17:33 (1)	20:33
14	08:53	10:01 (3)	08:02	16:19 (2)	06:54	17:09 (1)	06:35
	16:33	34 10:35 (3)	17:36	29 16:48 (2)	18:34	24 17:33 (1)	20:35
15	08:52	10:02 (3)	07:59	16:16 (2)	06:52	17:10 (1)	06:33
	16:35	33 10:35 (3)	17:38	33 16:49 (2)	18:36	20 17:30 (1)	20:37
16	08:51	10:02 (3)	07:57	16:15 (2)	06:49	17:12 (1)	06:30
	16:36	33 10:35 (3)	17:40	36 16:51 (2)	18:38	17 17:29 (1)	20:39
17	08:50	10:03 (3)	07:55	16:14 (2)	06:47	17:15 (1)	06:28
	16:38	32 10:35 (3)	17:42	39 16:53 (2)	18:40	9 17:24 (1)	20:41
18	08:49	10:04 (3)	07:53	16:13 (2)	06:44	06:25	05:21
	16:40	32 10:36 (3)	17:44	40 16:53 (2)	18:42	20:43	21:41
19	08:48	10:04 (3)	07:50	16:12 (2)	06:41	06:23	05:20
	16:42	31 10:35 (3)	17:46	42 16:54 (2)	18:44	20:45	21:42
20	08:47	10:05 (3)	07:48	16:12 (2)	06:39	06:20	05:18
	16:44	31 10:36 (3)	17:49	43 16:55 (2)	18:46	20:47	21:44
21	08:45	10:05 (3)	07:46	16:10 (2)	06:36	06:18	05:16
	16:46	30 10:35 (3)	17:51	45 16:55 (2)	18:48	20:49	21:46
22	08:44	10:06 (3)	07:44	16:10 (2)	06:34	06:16	05:15
	16:48	28 10:34 (3)	17:53	46 16:56 (2)	18:50	20:51	21:47
23	08:42	10:07 (3)	07:41	08:07 (5)	06:31	06:13	05:13
	16:50	28 10:35 (3)	17:55	52 16:56 (2)	18:52	20:53	21:49
24	08:41	10:08 (3)	07:39	08:05 (5)	06:29	06:11	05:12
	16:52	26 10:34 (3)	17:57	57 16:57 (2)	18:54	20:55	21:51
25	08:39	10:09 (3)	07:36	08:02 (5)	06:26	06:09	05:10
	16:54	24 10:33 (3)	17:59	60 16:56 (2)	18:56	20:57	21:52
26	08:38	10:11 (3)	07:34	08:00 (5)	06:23	06:06	05:09
	16:56	22 10:33 (3)	18:01	76 17:30 (1)	18:58	20:59	21:54
27	08:36	10:12 (3)	07:32	07:57 (5)	06:21	06:04	05:08
	16:58	19 10:31 (3)	18:03	84 17:32 (1)	19:00	21:01	21:55
28	08:35	10:14 (3)	07:29	07:56 (5)	06:18	06:02	05:06
	17:00	15 10:29 (3)	18:05	89 17:34 (1)	19:02	21:03	21:57
29	08:33	10:17 (3)		07:16		05:59	05:05
	17:02	10 10:27 (3)		20:04		21:05	21:58
30	08:31			07:13		05:57	05:04
	17:04			20:06		21:07	22:00
31	08:30			07:11		05:03	
	17:06			20:08		22:01	
Potential sun hours	242	269	366	423	501	520	
Total, worst case	859	832	1045				
Sun reduction	0,18	0,25	0,34				
Oper. time red.	1,00	1,00	1,00				
Wind dir. red.	0,56	0,85	0,89				
Total reduction	0,09	0,20	0,29				
Total, real	81	164	299				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1.90 5.38 5.62 6.96 8.80 10.41 9.72 7.26 8.32 5.93 2.58 2.32

Operational time
0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	16:59 (2) 07:37	08:35 09:41 (3)
	22:18	21:40	20:29	19:12	49 18:14 (1) 16:58	16:10 34 10:15 (3)
2	04:58	05:41	06:40	07:37	16:56 (2) 07:39	08:37 09:42 (3)
	22:18	21:38	20:27	19:10	55 18:14 (1) 16:56	16:09 34 10:16 (3)
3	04:58	05:43	06:42	07:39	16:53 (2) 07:41	08:38 09:43 (3)
	22:17	21:36	20:24	19:07	61 18:14 (1) 16:54	16:08 33 10:16 (3)
4	04:59	05:45	06:44	07:41	16:51 (2) 07:43	08:40 09:44 (3)
	22:17	21:34	20:22	19:04	65 18:14 (1) 16:52	16:08 33 10:17 (3)
5	05:00	05:47	06:45	07:42	16:49 (2) 07:45	08:41 09:43 (3)
	22:16	21:32	20:19	19:02	68 18:14 (1) 16:50	16:07 34 10:17 (3)
6	05:01	05:49	06:47	07:44	16:48 (2) 07:47	08:43 09:44 (3)
	22:15	21:30	20:17	18:59	71 18:14 (1) 16:48	16:06 33 10:17 (3)
7	05:02	05:51	06:49	07:46	08:36 (5) 07:49	08:44 09:44 (3)
	22:15	21:28	20:14	18:57	82 18:14 (1) 16:46	16:06 33 10:17 (3)
8	05:03	05:52	06:51	07:48	08:33 (5) 07:51	08:46 09:45 (3)
	22:14	21:26	20:12	18:54	87 18:13 (1) 16:44	16:05 33 10:18 (3)
9	05:04	05:54	06:53	07:50	08:31 (5) 07:53	08:47 09:45 (3)
	22:13	21:24	20:09	18:52	91 18:12 (1) 16:42	16:05 33 10:18 (3)
10	05:06	05:56	06:55	07:52	08:30 (5) 07:55	08:48 09:47 (3)
	22:12	21:22	20:07	18:49	94 18:12 (1) 16:40	16:04 32 10:19 (3)
11	05:07	05:58	06:57	07:54	08:29 (5) 07:57	08:50 09:47 (3)
	22:11	21:19	20:04	18:47	95 18:11 (1) 16:38	16:04 32 10:19 (3)
12	05:08	06:00	06:59	07:56	08:29 (5) 07:59	08:51 09:47 (3)
	22:10	21:17	20:01	18:44	94 18:09 (1) 16:36	16:04 32 10:19 (3)
13	05:09	06:02	07:01	07:58	08:28 (5) 08:01	09:49 (3) 08:52 09:48 (3)
	22:09	21:15	19:59	18:42	92 18:08 (1) 16:34	10 09:59 (3) 16:04 31 10:19 (3)
14	05:11	06:04	07:02	08:00	08:28 (5) 08:03	09:46 (3) 08:53 09:48 (3)
	22:08	21:13	19:56	18:39	88 18:06 (1) 16:33	15 10:01 (3) 16:04 31 10:19 (3)
15	05:12	06:06	07:04	08:02	08:31 (5) 08:05	09:44 (3) 08:54 09:49 (3)
	22:07	21:10	19:54	18:37	81 18:04 (1) 16:31	19 10:03 (3) 16:04 30 10:19 (3)
16	05:13	06:07	07:06	08:04	08:33 (5) 08:07	09:44 (3) 08:55 09:49 (3)
	22:06	21:08	19:51	18:35	72 18:01 (1) 16:29	22 10:06 (3) 16:04 31 10:20 (3)
17	05:15	06:09	07:08	08:06	08:35 (5) 08:09	09:43 (3) 08:56 09:50 (3)
	22:04	21:06	19:48	18:32	58 17:28 (2) 16:28	24 10:07 (3) 16:04 30 10:20 (3)
18	05:16	06:11	07:10	08:08	08:37 (5) 08:11	09:42 (3) 08:56 09:51 (3)
	22:03	21:04	19:46	18:30	55 17:28 (2) 16:26	26 10:08 (3) 16:04 30 10:21 (3)
19	05:18	06:13	07:12	08:10	08:39 (5) 08:13	09:41 (3) 08:57 09:52 (3)
	22:02	21:01	19:43	18:27	49 17:27 (2) 16:25	28 10:09 (3) 16:04 30 10:22 (3)
20	05:19	06:15	07:14	08:12	16:41 (2) 08:15	09:41 (3) 08:58 09:51 (3)
	22:00	20:59	19:41	18:25	45 17:26 (2) 16:23	28 10:09 (3) 16:05 30 10:21 (3)
21	05:21	06:17	07:16	08:14	16:41 (2) 08:17	09:41 (3) 08:59 09:52 (3)
	21:59	20:56	19:38	18:23	44 17:25 (2) 16:22	30 10:11 (3) 16:05 30 10:22 (3)
22	05:23	06:19	07:18	08:16	16:42 (2) 08:19	09:41 (3) 08:59 09:52 (3)
	21:57	20:54	19:35	18:20	43 17:25 (2) 16:20	31 10:12 (3) 16:05 30 10:22 (3)
23	05:24	06:21	07:19	08:18	16:43 (2) 08:21	09:41 (3) 09:00 09:53 (3)
	21:56	20:52	19:33	18:18	41 17:24 (2) 16:19	31 10:12 (3) 16:06 30 10:23 (3)
24	05:26	06:23	07:21	08:20	16:43 (2) 08:23	09:41 (3) 09:00 09:53 (3)
	21:54	20:49	19:30	18:16	40 17:23 (2) 16:18	32 10:13 (3) 16:06 31 10:24 (3)
25	05:27	06:25	07:23	07:22	15:44 (2) 08:25	09:41 (3) 09:00 09:54 (3)
	21:52	20:47	19:28	17:13	38 16:22 (2) 16:16	32 10:13 (3) 16:07 30 10:24 (3)
26	05:29	06:26	07:25	18:00 (1) 07:24	15:45 (2) 08:27	09:41 (3) 09:01 09:55 (3)
	21:51	20:44	19:25	5 18:05 (1) 17:11	35 16:20 (2) 16:15	33 10:14 (3) 16:08 30 10:25 (3)
27	05:31	06:28	07:27	17:54 (1) 07:26	15:47 (2) 08:28	09:41 (3) 09:01 09:55 (3)
	21:49	20:42	19:22	14 18:08 (1) 17:09	32 16:19 (2) 16:14	33 10:14 (3) 16:09 31 10:26 (3)
28	05:33	06:30	07:29	17:51 (1) 07:28	15:48 (2) 08:30	09:41 (3) 09:01 09:56 (3)
	21:47	20:39	19:20	20 18:11 (1) 17:07	29 16:17 (2) 16:13	34 10:15 (3) 16:10 30 10:26 (3)
29	05:34	06:32	07:31	17:49 (1) 07:31	15:50 (2) 08:32	09:42 (3) 09:01 09:56 (3)
	21:45	20:37	19:17	23 18:12 (1) 17:04	25 16:15 (2) 16:12	33 10:15 (3) 16:10 31 10:27 (3)
30	05:36	06:34	07:33	17:03 (2) 07:33	15:52 (2) 08:34	09:42 (3) 09:01 09:55 (3)
	21:44	20:34	19:15	39 18:13 (1) 17:02	20 16:12 (2) 16:11	34 10:16 (3) 16:11 32 10:27 (3)
31	05:38	06:36		07:35	15:56 (2)	09:01 09:56 (3)
	21:42	20:32		17:00	12 16:08 (2)	16:12 31 10:27 (3)
Potential sun hours	521	465	383	326	253	224
Total, worst case				1811		975
Sun reduction			101	0,31		0,14
Oper. time red.			0,40	1,00		1,00
Wind dir. red.			1,00	0,87		0,56
Total reduction			0,92	0,25		0,07
Total, real			0,34	456		41
			35			69

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: N - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for potential sun hours, reduction, and real total.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** P - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01	08:28	07:27	07:08	19:25 (3) 05:55	06:52 (4) 05:02
	16:14	17:08	18:07	20:10	17 19:42 (3) 21:09	32 07:24 (4) 22:02
2	09:01	08:26	07:24	07:05	19:24 (3) 05:53	06:50 (4) 05:01
	16:15	17:10	18:09	20:12	20 19:44 (3) 21:11	36 07:26 (4) 22:04
3	09:00	08:24	07:22	07:03	19:22 (3) 05:51	06:48 (4) 05:00
	16:16	17:12	18:11	20:13	24 19:46 (3) 21:13	40 07:28 (4) 22:05
4	09:00	08:22	07:19	07:00	19:22 (3) 05:48	06:46 (4) 04:59
	16:17	17:14	18:14	20:15	24 19:46 (3) 21:14	43 07:29 (4) 22:06
5	09:00	08:20	07:17	06:58	19:21 (3) 05:46	06:45 (4) 04:58
	16:19	17:17	18:16	20:17	25 19:46 (3) 21:16	45 07:30 (4) 22:07
6	08:59	08:18	07:14	06:55	19:21 (3) 05:44	06:43 (4) 04:57
	16:20	17:19	18:18	20:19	25 19:46 (3) 21:18	48 07:31 (4) 22:08
7	08:59	08:16	07:12	06:53	19:20 (3) 05:42	06:42 (4) 04:56
	16:22	17:21	18:20	20:21	25 19:45 (3) 21:20	50 07:32 (4) 22:10
8	08:58	08:14	07:09	06:50	19:21 (3) 05:40	06:41 (4) 04:56
	16:23	17:23	18:22	20:23	24 19:45 (3) 21:22	52 07:33 (4) 22:11
9	08:57	08:12	07:07	06:48	19:20 (3) 05:38	06:40 (4) 04:55
	16:25	17:25	18:24	20:25	24 19:44 (3) 21:24	54 07:34 (4) 22:12
10	08:57	08:10	07:04	06:45	19:21 (3) 05:36	06:39 (4) 04:54
	16:26	17:27	18:26	20:27	23 19:44 (3) 21:26	55 07:34 (4) 22:12
11	08:56	08:08	07:02	06:42	19:21 (3) 05:34	06:38 (4) 04:54
	16:28	17:29	18:28	20:29	21 19:42 (3) 21:28	57 07:35 (4) 22:13
12	08:55	08:06	06:59	06:40	19:23 (3) 05:32	06:38 (4) 04:53
	16:29	17:31	18:30	20:31	18 19:41 (3) 21:30	58 07:36 (4) 22:14
13	08:54	08:04	06:57	06:38	19:24 (3) 05:30	06:37 (4) 04:53
	16:31	17:34	18:32	20:33	14 19:38 (3) 21:32	59 07:36 (4) 22:15
14	08:53	08:02	06:54	06:35	19:26 (3) 05:28	06:36 (4) 04:53
	16:33	17:36	18:34	20:35	10 19:36 (3) 21:33	60 07:36 (4) 22:16
15	08:52	07:59	06:52	06:33	05:27	06:37 (4) 04:52
	16:35	17:38	18:36	20:37	21:35	60 07:37 (4) 22:16
16	08:51	07:57	06:49	06:30	05:25	06:36 (4) 04:52
	16:36	17:40	18:38	20:39	21:37	61 07:37 (4) 22:17
17	08:50	07:55	06:46	06:28	05:23	06:36 (4) 04:52
	16:38	17:42	18:40	20:41	21:39	62 07:38 (4) 22:17
18	08:49	07:53	06:44	06:25	05:21	06:35 (4) 04:52
	16:40	17:44	18:42	20:43	21:41	63 07:38 (4) 22:18
19	08:48	07:50	06:41	06:23	05:20	06:35 (4) 04:52
	16:42	17:46	18:44	20:45	21:42	64 07:39 (4) 22:18
20	08:46	07:48	06:39	06:20	05:18	06:35 (4) 04:52
	16:44	17:48	18:46	20:47	21:44	64 07:39 (4) 22:19
21	08:45	07:46	06:36	06:18	05:16	06:35 (4) 04:52
	16:46	17:51	18:48	20:49	21:46	64 07:39 (4) 22:19
22	08:44	07:43	06:34	06:16	05:15	06:34 (4) 04:52
	16:48	17:53	18:50	20:51	21:47	65 07:39 (4) 22:19
23	08:42	07:41	06:31	06:13	05:13	06:34 (4) 04:53
	16:50	17:55	18:52	20:53	21:49	65 07:39 (4) 22:19
24	08:41	07:39	06:28	06:11	05:12	06:35 (4) 04:53
	16:52	17:57	18:54	20:55	21:51	65 07:40 (4) 22:19
25	08:39	07:36	06:26	06:09	05:10	06:34 (4) 04:53
	16:54	17:59	18:56	20:57	21:52	65 07:39 (4) 22:19
26	08:38	07:34	06:23	06:06	05:09	06:34 (4) 04:54
	16:56	18:01	18:58	20:59	21:54	65 07:39 (4) 22:19
27	08:36	07:32	06:21	06:04	05:08	06:34 (4) 04:54
	16:58	18:03	19:00	21:01	21:55	66 07:40 (4) 22:19
28	08:35	07:29	06:18	06:02	07:03 (4) 05:06	06:34 (4) 04:55
	17:00	18:05	19:02	21:03	10 07:13 (4) 21:57	66 07:40 (4) 22:19
29	08:33	07:16	06:16	05:59	06:58 (4) 05:05	06:35 (4) 04:55
	17:02	07:16	06:16	21:05	21 07:19 (4) 21:58	65 07:40 (4) 22:19
30	08:31	07:13	06:13	19:29 (3) 05:57	06:54 (4) 05:04	06:35 (4) 04:56
	17:04	07:13	06:13	9 19:38 (3) 21:07	28 07:22 (4) 22:00	65 07:40 (4) 22:18
31	08:29	07:10	06:10	19:27 (3) 05:03	05:03	06:35 (4) 04:56
	17:06	07:10	06:10	13 19:40 (3) 22:01	65 07:40 (4) 22:18	64 07:45 (4)
Potential sun hours	242	269	366	423	501	520
Total, worst case			22	353	1779	1927
Sun reduction			0,34	0,39	0,52	0,48
Oper. time red.			1,00	1,00	1,00	1,00
Wind dir. red.			1,00	0,99	0,95	0,95
Total reduction			0,34	0,39	0,49	0,46
Total, real			8	138	876	887

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: P - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December			
1	04:57	06:41 (4)	05:40	06:49 (4)	06:38	19:20 (3)	07:35	07:37	08:35
	22:18	65 07:46 (4)	21:40	57 07:46 (4)	20:29	21 19:41 (3)	19:12	16:58	16:10
2	04:57	06:42 (4)	05:41	06:49 (4)	06:40	23 19:19 (3)	07:37	07:39	08:37
	22:18	64 07:46 (4)	21:38	56 07:45 (4)	20:27	23 19:42 (3)	19:09	16:56	16:09
3	04:58	06:42 (4)	05:43	06:50 (4)	06:42	24 19:18 (3)	07:38	07:41	08:38
	22:17	65 07:47 (4)	21:36	54 07:44 (4)	20:24	24 19:42 (3)	19:07	16:54	16:08
4	04:59	06:41 (4)	05:45	06:51 (4)	06:43	25 19:18 (3)	07:40	07:43	08:40
	22:17	65 07:46 (4)	21:34	53 07:44 (4)	20:22	24 19:42 (3)	19:04	16:51	16:07
5	05:00	06:42 (4)	05:47	06:52 (4)	06:45	25 19:17 (3)	07:42	07:45	08:41
	22:16	64 07:46 (4)	21:32	51 07:43 (4)	20:19	25 19:42 (3)	19:02	16:49	16:07
6	05:01	06:42 (4)	05:49	06:52 (4)	06:47	25 19:16 (3)	07:44	07:47	08:43
	22:15	65 07:47 (4)	21:30	49 07:41 (4)	20:17	25 19:41 (3)	18:59	16:47	16:06
7	05:02	06:42 (4)	05:51	06:53 (4)	06:49	25 19:16 (3)	07:46	07:49	08:44
	22:15	65 07:47 (4)	21:28	47 07:40 (4)	20:14	25 19:41 (3)	18:57	16:45	16:06
8	05:03	06:42 (4)	05:52	06:55 (4)	06:51	25 19:16 (3)	07:48	07:51	08:46
	22:14	65 07:47 (4)	21:26	44 07:39 (4)	20:12	25 19:41 (3)	18:54	16:43	16:05
9	05:04	06:42 (4)	05:54	06:55 (4)	06:53	25 19:17 (3)	07:50	07:53	08:47
	22:13	65 07:47 (4)	21:24	42 07:37 (4)	20:09	23 19:40 (3)	18:52	16:42	16:05
10	05:06	06:42 (4)	05:56	06:57 (4)	06:55	21 19:17 (3)	07:52	07:55	08:48
	22:12	66 07:48 (4)	21:21	39 07:36 (4)	20:06	21 19:38 (3)	18:49	16:40	16:04
11	05:07	06:43 (4)	05:58	06:59 (4)	06:57	17 19:17 (3)	07:54	07:57	08:49
	22:11	66 07:49 (4)	21:19	35 07:34 (4)	20:04	17 19:34 (3)	18:47	16:38	16:04
12	05:08	06:43 (4)	06:00	07:01 (4)	06:59	14 19:18 (3)	07:56	07:59	08:51
	22:10	66 07:49 (4)	21:17	31 07:32 (4)	20:01	14 19:32 (3)	18:44	16:36	16:04
13	05:09	06:43 (4)	06:02	07:03 (4)	07:00	9 19:20 (3)	07:58	08:01	08:52
	22:09	66 07:49 (4)	21:15	26 07:29 (4)	19:59	9 19:29 (3)	18:42	16:34	16:04
14	05:11	06:43 (4)	06:04	07:06 (4)	07:02	3 19:24 (3)	08:00	08:03	08:53
	22:08	66 07:49 (4)	21:13	19 07:25 (4)	19:56	3 19:27 (3)	18:39	16:33	16:04
15	05:12	06:43 (4)	06:06	07:13 (4)	07:04		08:02	08:05	08:54
	22:07	66 07:49 (4)	21:10	5 07:18 (4)	19:53		18:37	16:31	16:04
16	05:13	06:44 (4)	06:07		07:06		08:04	08:07	08:55
	22:05	65 07:49 (4)	21:08		19:51		18:34	16:29	16:04
17	05:15	06:44 (4)	06:09		07:08		08:06	08:09	08:55
	22:04	65 07:49 (4)	21:06		19:48		18:32	16:28	16:04
18	05:16	06:43 (4)	06:11		07:10		08:08	08:11	08:56
	22:03	66 07:49 (4)	21:03		19:46		18:30	16:26	16:04
19	05:18	06:44 (4)	06:13		07:12		08:10	08:13	08:57
	22:01	65 07:49 (4)	21:01		19:43		18:27	16:24	16:04
20	05:19	06:44 (4)	06:15		07:14		08:12	08:15	08:58
	22:00	65 07:49 (4)	20:59		19:41		18:25	16:23	16:04
21	05:21	06:45 (4)	06:17		07:15		08:14	08:17	08:58
	21:59	65 07:50 (4)	20:56		19:38		18:22	16:22	16:05
22	05:22	06:45 (4)	06:19		07:17		08:16	08:19	08:59
	21:57	64 07:49 (4)	20:54		19:35		18:20	16:20	16:05
23	05:24	06:45 (4)	06:21		07:19		08:18	08:21	08:59
	21:56	64 07:49 (4)	20:52		19:33		18:18	16:19	16:06
24	05:26	06:45 (4)	06:23		07:21		08:20	08:23	09:00
	21:54	64 07:49 (4)	20:49		19:30		18:15	16:17	16:06
25	05:27	06:46 (4)	06:24		07:23		07:22	08:25	09:00
	21:52	63 07:49 (4)	20:47		19:28		17:13	16:16	16:07
26	05:29	06:46 (4)	06:26		07:25		07:24	08:26	09:00
	21:51	62 07:48 (4)	20:44		19:25		17:11	16:15	16:08
27	05:31	06:47 (4)	06:28		07:27		07:26	08:28	09:01
	21:49	61 07:48 (4)	20:42		19:22		17:09	16:14	16:09
28	05:33	06:46 (4)	06:30		07:29		07:28	08:30	09:01
	21:47	62 07:48 (4)	20:39		19:20		17:06	16:13	16:09
29	05:34	06:47 (4)	06:32		19:27 (3)	07:31	07:30	08:32	09:01
	21:45	61 07:48 (4)	20:37	10	19:37 (3)	19:17	17:04	16:12	16:10
30	05:36	06:48 (4)	06:34		19:24 (3)	07:33	07:32	08:33	09:01
	21:44	59 07:47 (4)	20:34	15	19:39 (3)	19:15	17:02	16:11	16:11
31	05:38	06:48 (4)	06:36		19:23 (3)		07:35		09:01
	21:42	58 07:46 (4)	20:32	18	19:41 (3)		17:00		16:12
Potential sun hours	521		465		383		326	253	224
Total, worst case	1988		651		279				
Sun reduction	0,49		0,51		0,40				
Oper. time red.	1,00		1,00		1,00				
Wind dir. red.	0,95		0,96		1,00				
Total reduction	0,46		0,49		0,40				
Total, real	920		321		110				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** Q - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June	
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	05:55 21:09	05:02 22:02	05:59 (4) 38 06:37 (4)
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:12	05:53 21:11	05:01 22:04	05:58 (4) 39 06:37 (4)
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:51 21:13	05:00 22:05	05:58 (4) 41 06:39 (4)
4	09:00 16:17	08:22 17:14	07:19 18:14	07:00 20:15	05:48 21:14	04:59 22:06	05:58 (4) 41 06:39 (4)
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	05:46 21:16	04:58 22:07	05:57 (4) 43 06:40 (4)
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	05:44 21:18	04:57 22:08	05:57 (4) 43 06:40 (4)
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	04:56 22:10	05:57 (4) 44 06:41 (4)
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:11	05:56 (4) 45 06:41 (4)
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	19:50 (3) 19:57 (3)	05:38 21:24	05:57 (4) 45 06:42 (4)
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	19:48 (3) 19:59 (3)	05:36 21:26	05:56 (4) 46 06:42 (4)
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	19:45 (3) 20:01 (3)	05:34 21:28	05:56 (4) 47 06:43 (4)
12	08:55 16:29	08:06 17:32	06:59 18:30	06:40 20:31	19:44 (3) 20:03 (3)	05:32 21:30	05:57 (4) 47 06:44 (4)
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	19:42 (3) 20:04 (3)	05:30 21:32	05:56 (4) 47 06:43 (4)
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	19:42 (3) 20:06 (3)	05:28 21:33	05:56 (4) 48 06:44 (4)
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	19:41 (3) 20:06 (3)	05:27 21:35	05:56 (4) 48 06:44 (4)
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	19:40 (3) 20:06 (3)	05:25 21:37	05:57 (4) 48 06:45 (4)
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	19:40 (3) 20:06 (3)	05:23 21:39	05:57 (4) 48 06:45 (4)
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	19:39 (3) 20:05 (3)	05:21 21:41	05:57 (4) 48 06:45 (4)
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	19:40 (3) 20:05 (3)	05:20 21:42	05:57 (4) 49 06:46 (4)
20	08:46 16:44	07:48 17:49	06:39 18:46	06:20 20:47	19:40 (3) 20:05 (3)	05:18 21:44	05:57 (4) 49 06:46 (4)
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	19:40 (3) 20:03 (3)	05:16 21:46	05:57 (4) 49 06:46 (4)
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	19:41 (3) 20:03 (3)	05:15 21:47	05:58 (4) 49 06:47 (4)
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	19:42 (3) 20:02 (3)	05:13 21:49	05:58 (4) 49 06:47 (4)
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	19:43 (3) 20:01 (3)	05:12 21:51	05:58 (4) 48 06:46 (4)
25	08:39 16:54	07:36 17:59	06:26 18:56	06:09 20:57	19:44 (3) 19:58 (3)	05:10 21:52	05:59 (4) 48 06:47 (4)
26	08:38 16:56	07:34 18:01	06:23 18:58	06:06 20:59	19:46 (3) 19:55 (3)	05:09 21:54	05:59 (4) 48 06:47 (4)
27	08:36 16:58	07:32 18:03	06:21 19:00	06:04 21:01	05:08 21:55	06:03 (4) 06:31 (4)	05:59 (4) 49 06:48 (4)
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	06:02 (4) 06:33 (4)	05:59 (4) 48 06:47 (4)
29	08:33 17:02	07:27 18:04	06:16 19:04	06:01 21:05	05:05 21:58	06:01 (4) 06:34 (4)	06:00 (4) 48 06:48 (4)
30	08:31 17:04	07:25 18:06	06:14 19:06	06:00 21:07	05:04 22:00	06:00 (4) 06:35 (4)	06:00 (4) 47 06:47 (4)
31	08:29 17:06	07:23 18:08	06:12 19:08	06:00 21:09	05:03 22:01	06:36 (4)	
Potential sun hours	242	269	366	423	501	520	1387
Total, worst case				358	243		0,48
Sun reduction				0,39	0,52		1,00
Oper. time red.				1,00	1,00		0,86
Wind dir. red.				0,99	0,86		0,42
Total reduction				0,39	0,45		579
Total, real				139	109		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** Q - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	July	August	September	October	November	December	
1 04:57	06:01 (4)	05:40	06:38	19:44 (3)	07:35	07:37	08:35
22:18	46 06:47 (4)	21:40	20:29	16 20:00 (3)	19:12	16:58	16:10
2 04:58	06:01 (4)	05:41	06:40	19:46 (3)	07:37	07:39	08:37
22:18	46 06:47 (4)	21:38	20:27	11 19:57 (3)	19:09	16:56	16:09
3 04:58	06:02 (4)	05:43	06:42	19:48 (3)	07:38	07:41	08:38
22:17	46 06:48 (4)	21:36	20:24	7 19:55 (3)	19:07	16:54	16:08
4 04:59	06:02 (4)	05:45	06:43	07:40	07:43	08:40	
22:17	45 06:47 (4)	21:34	20:22	19:04	16:51	16:07	
5 05:00	06:02 (4)	05:47	06:45	07:42	07:45	08:41	
22:16	45 06:47 (4)	21:32	20:19	19:02	16:49	16:07	
6 05:01	06:03 (4)	05:49	06:47	07:44	07:47	08:43	
22:15	43 06:46 (4)	21:30	20:17	18:59	16:47	16:06	
7 05:02	06:03 (4)	05:51	06:49	07:46	07:49	08:44	
22:15	43 06:46 (4)	21:28	20:14	18:57	16:45	16:06	
8 05:03	06:04 (4)	05:52	06:51	07:48	07:51	08:46	
22:14	42 06:46 (4)	21:26	20:12	18:54	16:44	16:05	
9 05:04	06:05 (4)	05:54	06:53	07:50	07:53	08:47	
22:13	41 06:46 (4)	21:24	20:09	18:52	16:42	16:05	
10 05:06	06:05 (4)	05:56	06:55	07:52	07:55	08:48	
22:12	40 06:45 (4)	21:21	20:06	18:49	16:40	16:04	
11 05:07	06:07 (4)	05:58	06:57	07:54	07:57	08:49	
22:11	39 06:46 (4)	21:19	20:04	18:47	16:38	16:04	
12 05:08	06:08 (4)	06:00	06:59	07:56	07:59	08:51	
22:10	37 06:45 (4)	21:17	20:01	18:44	16:36	16:04	
13 05:09	06:08 (4)	06:02	07:00	07:58	08:01	08:52	
22:09	36 06:44 (4)	21:15	19:59	18:42	16:34	16:04	
14 05:11	06:09 (4)	06:04	07:02	08:00	08:03	08:53	
22:08	34 06:43 (4)	21:13	19:56	18:39	16:33	16:04	
15 05:12	06:10 (4)	06:06	07:04	08:02	08:05	08:54	
22:07	32 06:42 (4)	21:10	19:53	18:37	16:31	16:04	
16 05:13	06:12 (4)	06:07	07:06	08:04	08:07	08:55	
22:05	30 06:42 (4)	21:08	19:51	18:34	16:29	16:04	
17 05:15	06:13 (4)	06:09	19:52 (3)	07:08	08:06	08:09	08:55
22:04	27 06:40 (4)	21:06	11 20:03 (3)	19:48	18:32	16:28	16:04
18 05:16	06:14 (4)	06:11	19:50 (3)	07:10	08:08	08:11	08:56
22:03	24 06:38 (4)	21:03	15 20:05 (3)	19:46	18:30	16:26	16:04
19 05:18	06:17 (4)	06:13	19:48 (3)	07:12	08:10	08:13	08:57
22:01	20 06:37 (4)	21:01	18 20:06 (3)	19:43	18:27	16:24	16:04
20 05:19	06:19 (4)	06:15	19:47 (3)	07:14	08:12	08:15	08:58
22:00	16 06:35 (4)	20:59	21 20:08 (3)	19:41	18:25	16:23	16:04
21 05:21	06:23 (4)	06:17	19:46 (3)	07:16	08:14	08:17	08:58
21:59	8 06:31 (4)	20:56	22 20:08 (3)	19:38	18:22	16:22	16:05
22 05:22	06:19	06:19	19:44 (3)	07:17	08:16	08:19	08:59
21:57	24 20:08 (3)	19:35	18:20	16:20	16:05		
23 05:24	06:21	06:21	19:44 (3)	07:19	08:18	08:21	08:59
21:55	25 20:09 (3)	19:33	18:18	16:19	16:06		
24 05:26	06:23	06:23	19:43 (3)	07:21	08:20	08:23	09:00
21:54	26 20:09 (3)	19:30	18:15	16:18	16:06		
25 05:27	06:24	06:24	19:43 (3)	07:23	07:22	08:25	09:00
21:52	26 20:09 (3)	19:28	17:13	16:16	16:07		
26 05:29	06:26	06:26	19:43 (3)	07:25	07:24	08:26	09:00
21:51	26 20:09 (3)	19:25	17:11	16:15	16:08		
27 05:31	06:28	06:28	19:42 (3)	07:27	07:26	08:28	09:01
21:49	26 20:08 (3)	19:22	17:09	16:14	16:09		
28 05:33	06:30	06:30	19:42 (3)	07:29	07:28	08:30	09:01
21:47	25 20:07 (3)	19:20	17:06	16:13	16:09		
29 05:34	06:32	06:32	19:43 (3)	07:31	07:30	08:32	09:01
21:45	24 20:07 (3)	19:17	17:04	16:12	16:10		
30 05:36	06:34	06:34	19:43 (3)	07:33	07:32	08:33	09:01
21:44	22 20:05 (3)	19:15	17:02	16:11	16:11		
31 05:38	06:36	06:36	19:44 (3)	07:35	07:35	09:01	
21:42	19 20:03 (3)		17:00	16:10	16:12		
Potential sun hours	521	465	383	326	253	224	
Total, worst case	740	330	34				
Sun reduction	0,49	0,51	0,40				
Oper. time red.	1,00	1,00	1,00				
Wind dir. red.	0,86	0,99	0,99				
Total reduction	0,42	0,51	0,39				
Total, real	311	168	13				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
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 +8 621 66746
 Raminta Survilė / r.survile@infraplanas.lt
 Calculated:
 2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** R - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01	08:28	07:27	07:08	05:55	05:02
	16:14	17:08	18:07	20:10	21:09	22:02
2	09:01	08:26	07:24	07:05	19:42 (3)	05:53
	16:15	17:10	18:09	20:11	2	19:44 (3)
3	09:00	08:24	07:22	07:03	19:37 (3)	05:51
	16:16	17:12	18:11	20:13	9	19:46 (3)
4	09:00	08:22	07:19	07:00	19:35 (3)	05:48
	16:17	17:14	18:13	20:15	13	19:48 (3)
5	09:00	08:20	07:17	06:58	19:33 (3)	05:46
	16:19	17:17	18:16	20:17	16	19:49 (3)
6	08:59	08:18	07:14	06:55	19:32 (3)	05:44
	16:20	17:19	18:18	20:19	20	19:52 (3)
7	08:59	08:16	07:12	06:53	19:31 (3)	05:42
	16:22	17:21	18:20	20:21	22	19:53 (3)
8	08:58	08:14	07:09	06:50	19:31 (3)	05:40
	16:23	17:23	18:22	20:23	23	19:54 (3)
9	08:57	08:12	07:07	06:48	19:30 (3)	05:38
	16:25	17:25	18:24	20:25	24	19:54 (3)
10	08:57	08:10	07:04	06:45	19:30 (3)	05:36
	16:26	17:27	18:26	20:27	24	19:54 (3)
11	08:56	08:08	07:02	06:42	19:29 (3)	05:34
	16:28	17:29	18:28	20:29	24	19:53 (3)
12	08:55	08:06	06:59	06:40	19:30 (3)	05:32
	16:29	17:31	18:30	20:31	23	19:53 (3)
13	08:54	08:04	06:57	06:38	19:29 (3)	05:30
	16:31	17:34	18:32	20:33	23	19:52 (3)
14	08:53	08:02	06:54	06:35	19:30 (3)	05:28
	16:33	17:36	18:34	20:35	21	19:51 (3)
15	08:52	07:59	06:52	06:33	19:31 (3)	05:27
	16:35	17:38	18:36	20:37	19	19:50 (3)
16	08:51	07:57	06:49	06:30	19:32 (3)	05:25
	16:36	17:40	18:38	20:39	16	19:48 (3)
17	08:50	07:55	06:46	06:28	19:34 (3)	05:23
	16:38	17:42	18:40	20:41	12	19:46 (3)
18	08:49	07:53	06:44	06:25	19:37 (3)	05:21
	16:40	17:44	18:42	20:43	4	19:41 (3)
19	08:48	07:50	06:41	06:23	05:20	06:29 (4)
	16:42	17:46	18:44	20:45	23	19:42 (3)
20	08:46	07:48	06:39	06:20	05:18	06:26 (4)
	16:44	17:48	18:46	20:47	27	19:44 (3)
21	08:45	07:46	06:36	06:18	05:16	06:24 (4)
	16:46	17:51	18:48	20:49	32	19:46 (3)
22	08:44	07:43	06:34	06:16	05:15	06:23 (4)
	16:48	17:53	18:50	20:51	35	19:48 (3)
23	08:42	07:41	06:31	06:13	05:13	06:21 (4)
	16:50	17:55	18:52	20:53	38	19:50 (3)
24	08:41	07:39	06:28	06:11	05:12	06:19 (4)
	16:52	17:57	18:54	20:55	40	19:52 (3)
25	08:39	07:36	06:26	06:09	05:10	06:17 (4)
	16:54	17:59	18:56	20:57	43	19:54 (3)
26	08:38	07:34	06:23	06:06	05:09	06:15 (4)
	16:56	18:01	18:58	20:59	44	19:56 (3)
27	08:36	07:32	06:21	06:04	05:08	06:14 (4)
	16:58	18:03	19:00	21:01	46	19:58 (3)
28	08:34	07:29	06:18	06:02	05:06	07:00 (4)
	17:00	18:05	19:02	21:03	48	19:59 (3)
29	08:33	07:16	06:16	05:59	05:05	06:13 (4)
	17:02	07:16	08:13	21:05	49	19:59 (3)
30	08:31	07:13	06:13	05:57	05:04	06:12 (4)
	17:04	07:13	08:10	21:07	51	19:59 (3)
31	08:29	07:10	06:10	05:54	05:03	06:12 (4)
	17:06	07:10	08:07	21:08	52	19:59 (3)
Potential sun hours	242	269	366	423	501	520
Total, worst case				295	544	1797
Sun reduction				0,39	0,52	0,48
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				1,00	0,89	0,89
Total reduction				0,39	0,46	0,43
Total, real				116	251	775

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** R - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	06:14 (4)	05:40	06:38	19:28 (3)	07:35
	22:18	60 07:14 (4)	21:40	20:29	24 19:52 (3)	19:12
2	04:57	06:14 (4)	05:41	06:40	19:28 (3)	07:37
	22:18	60 07:14 (4)	21:38	20:27	24 19:52 (3)	19:09
3	04:58	06:15 (4)	05:43	06:42	19:28 (3)	07:38
	22:17	59 07:14 (4)	21:36	20:24	24 19:52 (3)	19:07
4	04:59	06:15 (4)	05:45	06:43	19:28 (3)	07:40
	22:17	58 07:13 (4)	21:34	20:22	23 19:51 (3)	19:04
5	05:00	06:15 (4)	05:47	06:45	19:28 (3)	07:42
	22:16	58 07:13 (4)	21:32	20:19	22 19:50 (3)	19:02
6	05:01	06:16 (4)	05:49	06:47	19:28 (3)	07:44
	22:15	57 07:13 (4)	21:30	20:17	19 19:47 (3)	18:59
7	05:02	06:16 (4)	05:51	06:49	19:28 (3)	07:46
	22:15	57 07:13 (4)	21:28	20:14	17 19:45 (3)	18:57
8	05:03	06:17 (4)	05:52	06:51	19:29 (3)	07:48
	22:14	56 07:13 (4)	21:26	20:12	13 19:42 (3)	18:54
9	05:04	06:17 (4)	05:54	06:53	19:31 (3)	07:50
	22:13	56 07:13 (4)	21:24	20:09	9 19:40 (3)	18:52
10	05:06	06:18 (4)	05:56	06:55	19:34 (3)	07:52
	22:12	54 07:12 (4)	21:21	20:06	4 19:38 (3)	18:49
11	05:07	06:19 (4)	05:58	06:57	07:54	07:57
	22:11	54 07:13 (4)	21:19	20:04	18:47	16:38
12	05:08	06:20 (4)	06:00	06:59	07:56	07:59
	22:10	52 07:12 (4)	21:17	20:01	18:44	16:36
13	05:09	06:21 (4)	06:02	07:00	07:58	08:01
	22:09	51 07:12 (4)	21:15	19:59	18:42	16:34
14	05:11	06:21 (4)	06:04	07:02	08:00	08:03
	22:08	50 07:11 (4)	21:13	19:56	18:39	16:33
15	05:12	06:22 (4)	06:05	07:04	08:02	08:05
	22:07	48 07:10 (4)	21:10	19:53	18:37	16:31
16	05:13	06:23 (4)	06:07	07:06	08:04	08:07
	22:05	47 07:10 (4)	21:08	19:51	18:34	16:29
17	05:15	06:24 (4)	06:09	07:08	08:06	08:09
	22:04	45 07:09 (4)	21:06	19:48	18:32	16:28
18	05:16	06:25 (4)	06:11	07:10	08:08	08:11
	22:03	43 07:08 (4)	21:03	19:46	18:30	16:26
19	05:18	06:26 (4)	06:13	07:12	08:10	08:13
	22:01	42 07:08 (4)	21:01	19:43	18:27	16:24
20	05:19	06:27 (4)	06:15	07:14	08:12	08:15
	22:00	39 07:06 (4)	20:59	19:41	18:25	16:23
21	05:21	06:29 (4)	06:17	07:15	08:14	08:17
	21:59	36 07:05 (4)	20:56	19:38	18:22	16:22
22	05:22	06:30 (4)	06:19	07:17	08:16	08:19
	21:57	34 07:04 (4)	20:54	19:35	18:20	16:20
23	05:24	06:33 (4)	06:21	07:19	08:18	08:21
	21:55	29 07:02 (4)	20:52	19:33	18:18	16:19
24	05:26	06:34 (4)	06:23	07:21	08:20	08:23
	21:54	26 07:00 (4)	20:49	19:30	18:15	16:17
25	05:27	06:37 (4)	06:24	19:40 (3)	07:23	07:22
	21:52	21 06:58 (4)	20:47	5 19:45 (3)	19:28	17:13
26	05:29	06:41 (4)	06:26	19:37 (3)	07:25	07:24
	21:51	12 06:53 (4)	20:44	12 19:49 (3)	19:25	17:11
27	05:31	06:28	06:28	19:34 (3)	07:27	07:26
	21:49	20:42	16 19:50 (3)	19:22	17:09	16:14
28	05:33	06:30	19 19:32 (3)	07:29	07:28	08:30
	21:47	20:39	19 19:51 (3)	19:20	17:06	16:13
29	05:34	06:32	21 19:31 (3)	07:31	07:30	08:32
	21:45	20:37	21 19:52 (3)	19:17	17:04	16:12
30	05:36	06:34	22 19:30 (3)	07:33	07:32	08:33
	21:44	20:34	22 19:52 (3)	19:15	17:02	16:11
31	05:38	06:36	19:29 (3)	07:35	07:35	09:01
	21:42	20:32	24 19:53 (3)	17:00	17:00	16:12
Potential sun hours	521	465	383	326	253	224
Total, worst case	1204	119	179			
Sun reduction	0,49	0,51	0,40			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,89	1,00	1,00			
Total reduction	0,43	0,51	0,39			
Total, real	523	61	71			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: S - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December				
1	09:01	08:28	07:27	07:08	19:41 (3)	05:55	05:02	04:57	05:40	06:38	19:30 (3)	07:35	07:37	08:35		
	16:14	17:08	18:07	20:10	1	19:42 (3)	21:09	22:02	22:18	21:40	20:29	19:50 (3)	19:12	16:58	16:10	
2	09:01	08:26	07:24	07:05		19:38 (3)	05:53	05:01	04:57	05:41	06:40	19:30 (3)	07:37	08:37		
	16:15	17:10	18:09	20:11	6	19:44 (3)	21:11	22:04	22:18	21:38	20:27	20:50 (3)	19:09	16:56	16:09	
3	09:00	08:24	07:22	07:03		19:36 (3)	05:51	05:00	04:58	05:43	06:42	19:29 (3)	07:38	07:41	08:38	
	16:16	17:12	18:11	20:13	10	19:46 (3)	21:13	22:05	22:17	21:36	20:24	22:22	19:51 (3)	19:07	16:54	16:08
4	09:00	08:22	07:19	07:00		19:35 (3)	05:48	04:59	04:59	05:45	06:43	19:29 (3)	07:40	07:43	08:40	
	16:17	17:14	18:13	20:15	13	19:48 (3)	21:14	22:06	22:17	21:34	20:22	22:22	19:51 (3)	19:04	16:51	16:07
5	09:00	08:20	07:17	06:58		19:33 (3)	05:46	04:58	05:00	05:47	06:45	19:29 (3)	07:42	07:45	08:41	
	16:19	17:17	18:16	20:17	16	19:49 (3)	21:16	22:07	22:16	21:32	20:19	21:50 (3)	19:02	16:49	16:07	
6	08:59	08:18	07:14	06:55		19:33 (3)	05:44	04:57	05:01	05:49	06:47	19:28 (3)	07:44	07:47	08:43	
	16:20	17:19	18:18	20:19	19	19:52 (3)	21:18	22:08	22:15	21:30	20:17	19:47 (3)	18:59	16:47	16:06	
7	08:59	08:16	07:12	06:53		19:32 (3)	05:42	04:56	05:02	05:51	06:49	19:28 (3)	07:46	07:49	08:44	
	16:22	17:21	18:20	20:21	21	19:53 (3)	21:20	22:10	22:15	21:28	20:14	17:45 (3)	18:57	16:45	16:06	
8	08:58	08:14	07:09	06:50		19:32 (3)	05:40	04:56	05:03	05:52	06:51	19:29 (3)	07:48	07:51	08:46	
	16:23	17:23	18:22	20:23	22	19:54 (3)	21:22	22:11	22:14	21:26	20:12	13	19:42 (3)	18:54	16:43	16:05
9	08:57	08:12	07:07	06:48		19:31 (3)	05:38	04:55	05:04	05:54	06:53	19:30 (3)	07:50	07:53	08:47	
	16:25	17:25	18:24	20:25	22	19:53 (3)	21:24	22:12	22:13	21:24	20:09	10	19:40 (3)	18:52	16:42	16:05
10	08:57	08:10	07:04	06:45		19:32 (3)	05:36	04:54	05:06	05:56	06:55	19:31 (3)	07:52	07:55	08:48	
	16:26	17:27	18:26	20:27	20	19:52 (3)	21:26	22:12	22:12	21:21	20:06	7	19:38 (3)	18:49	16:40	16:04
11	08:56	08:08	07:02	06:42		19:31 (3)	05:34	04:54	05:07	05:58	06:57	19:33 (3)	07:54	07:57	08:49	
	16:28	17:29	18:28	20:29	20	19:51 (3)	21:28	22:13	22:11	21:19	20:04	1	19:34 (3)	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40		19:33 (3)	05:32	04:53	05:08	06:00	06:59	19:30 (3)	07:56	07:59	08:51	
	16:29	17:31	18:30	20:31	17	19:50 (3)	21:30	22:14	22:10	21:17	20:01	12	18:44	16:36	16:04	
13	08:54	08:04	06:57	06:37		19:33 (3)	05:30	04:53	05:09	06:02	07:00	19:30 (3)	07:58	08:01	08:52	
	16:31	17:34	18:32	20:33	15	19:48 (3)	21:32	22:15	22:09	21:15	19:59	18:42	16:34	16:04		
14	08:53	08:01	06:54	06:35		19:35 (3)	05:28	04:53	05:11	06:04	07:02	18:00	08:03	08:53		
	16:33	17:36	18:34	20:35	12	19:47 (3)	21:33	22:16	22:08	21:13	19:56	16:39	16:33	16:04		
15	08:52	07:59	06:52	06:33		19:39 (3)	05:27	04:52	05:12	06:05	07:04	18:02	08:05	08:54		
	16:35	17:38	18:36	20:37	4	19:43 (3)	21:35	22:16	22:07	21:10	19:53	18:37	16:31	16:04		
16	08:51	07:57	06:49	06:30		19:38 (3)	05:25	04:52	05:13	06:07	07:06	18:04	08:07	08:55		
	16:36	17:40	18:38	20:39		19:37 (3)	05:24	04:52	05:14	06:08	07:07	18:34	16:29	16:04		
17	08:50	07:55	06:46	06:28		19:36 (3)	05:23	04:52	05:15	06:09	07:08	18:06	08:09	08:55		
	16:38	17:42	18:40	20:41		19:35 (3)	05:22	04:52	05:16	06:10	07:09	18:32	16:28	16:04		
18	08:49	07:53	06:44	06:25		19:34 (3)	05:21	04:52	05:16	06:11	07:10	18:08	08:11	08:56		
	16:40	17:44	18:42	20:43		19:33 (3)	05:20	04:52	05:17	06:12	07:11	18:30	16:26	16:04		
19	08:48	07:50	06:41	06:23		19:32 (3)	05:19	04:52	05:18	06:13	07:12	18:09	08:13	08:57		
	16:42	17:46	18:44	20:45		19:31 (3)	05:18	04:52	05:19	06:14	07:13	18:27	16:24	16:04		
20	08:46	07:48	06:39	06:20		19:30 (3)	05:17	04:52	05:19	06:15	07:14	18:12	08:15	08:58		
	16:44	17:48	18:46	20:47		19:29 (3)	05:16	04:52	05:20	06:16	07:15	18:25	16:23	16:04		
21	08:45	07:46	06:36	06:18		19:28 (3)	05:15	04:52	05:21	06:17	07:16	18:14	08:17	08:58		
	16:46	17:51	18:48	20:49		19:27 (3)	05:14	04:52	05:22	06:18	07:17	18:22	16:22	16:05		
22	08:44	07:43	06:34	06:16		19:26 (3)	05:13	04:52	05:23	06:19	07:18	18:16	08:19	08:59		
	16:48	17:53	18:50	20:51		19:25 (3)	05:12	04:52	05:24	06:20	07:19	18:20	16:20	16:05		
23	08:42	07:41	06:31	06:13		19:24 (3)	05:11	04:52	05:25	06:21	07:20	18:18	08:21	08:59		
	16:50	17:55	18:52	20:53		19:23 (3)	05:10	04:52	05:26	06:22	07:21	18:18	16:19	16:06		
24	08:41	07:39	06:28	06:11		19:22 (3)	05:09	04:52	05:27	06:23	07:22	18:20	08:23	09:00		
	16:52	17:57	18:54	20:55		19:21 (3)	05:08	04:52	05:28	06:24	07:23	18:15	16:17	16:06		
25	08:39	07:36	06:26	06:09		19:20 (3)	05:07	04:52	05:29	06:25	07:24	18:22	08:25	09:00		
	16:54	17:59	18:56	20:57		19:19 (3)	05:06	04:52	05:30	06:26	07:25	18:24	16:16	16:07		
26	08:38	07:34	06:23	06:06		19:18 (3)	05:05	04:52	05:31	06:27	07:26	18:24	08:26	09:00		
	16:56	18:01	18:58	20:59		19:17 (3)	05:04	04:52	05:32	06:28	07:27	18:24	16:16	16:08		
27	08:36	07:31	06:21	06:04		19:16 (3)	05:03	04:52	05:33	06:29	07:28	18:24	08:28	09:01		
	16:58	18:03	19:00	21:01		19:15 (3)	05:02	04:52	05:34	06:30	07:29	18:24	16:14	16:09		
28	08:34	07:29	06:18	06:02		19:14 (3)	05:01	04:52	05:35	06:31	07:30	18:24	08:30	09:01		
	17:00	18:05	19:02	21:03		19:13 (3)	05:00	04:52	05:36	06:32	07:31	18:24	16:13	16:09		
29	08:33	07:16	05:59			19:12 (3)	04:59	04:52	05:37	06:33	07:32	18:24	08:32	09:01		
	17:02		20:04	21:05		19:11 (3)	04:58	04:52	05:38	06:34	07:33	18:24	16:12	16:10		
30	08:31		07:13	05:57		19:10 (3)	04:57	04:52	05:39	06:35	07:34	18:24	08:33	09:01		
	17:04		20:06	21:07		19:09 (3)	04:56	04:52	05:40	06:36	07:35	18:24	16:11	16:11		
31	08:29		07:10			19:08 (3)	04:55	04:52	05:41	06:37	07:36	18:24	08:34	09:01		
	17:06		20:08			19:07 (3)	04:54	04:52	05:42	06:38	07:37	18:24	16:10	16:12		
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224				
Total, worst case				218				50	172							
Sun reduction				0,39				0,51	0,40							
Oper. time red.				1,00				1,00	1,00							
Wind dir. red.				1,00				1,00	1,00							
Total reduction				0,39				0,51	0,39							
Total, real				85				26	68							

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: T - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for sun hours, reduction, and real values.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: U - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 13 columns (months) and 31 rows (days). Each cell contains a time range (hh:mm) and a shadow probability value. Summary rows at the bottom show total sun hours and various reductions.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time).



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01	08:28	07:27	07:08	05:55	05:02	21:11 (5) 04:57	21:16 (5) 05:40	06:38	07:35	07:37	08:35
	16:14	17:08	18:07	20:09	21:09	22:02	21:26 (5) 22:18	21:39 (5) 21:40	20:29	19:12	16:58	16:10
2	09:01	08:26	07:24	07:05	05:53	05:01	21:11 (5) 04:57	21:17 (5) 05:41	06:40	07:36	07:39	08:37
	16:15	17:10	18:09	20:11	21:11	22:04	21:27 (5) 22:18	21:39 (5) 21:38	20:27	19:09	16:56	16:09
3	09:00	08:24	07:22	07:03	05:51	05:00	21:11 (5) 04:58	21:17 (5) 05:43	06:41	07:38	07:41	08:38
	16:16	17:12	18:11	20:13	21:12	22:05	21:28 (5) 22:17	21:40 (5) 21:36	20:24	19:07	16:53	16:08
4	09:00	08:22	07:19	07:00	05:48	04:59	21:12 (5) 04:59	21:17 (5) 05:45	06:43	07:40	07:43	08:40
	16:17	17:14	18:13	20:15	21:14	22:06	21:29 (5) 22:16	21:38 (5) 21:34	20:22	19:04	16:51	16:07
5	09:00	08:20	07:17	06:58	05:46	04:58	21:11 (5) 05:00	21:17 (5) 05:47	06:45	07:42	07:45	08:41
	16:19	17:17	18:16	20:17	21:16	22:07	21:30 (5) 22:16	21:38 (5) 21:32	20:19	19:02	16:49	16:07
6	08:59	08:18	07:14	06:55	05:44	04:57	21:11 (5) 05:01	21:17 (5) 05:49	06:47	07:44	07:47	08:43
	16:20	17:19	18:18	20:19	21:18	22:08	21:31 (5) 22:15	21:38 (5) 21:30	20:17	18:59	16:47	16:06
7	08:59	08:16	07:12	06:53	05:42	04:56	21:12 (5) 05:02	21:18 (5) 05:50	06:49	07:46	07:49	08:44
	16:22	17:21	18:20	20:21	21:20	22:09	21:32 (5) 22:14	21:37 (5) 21:28	20:14	18:57	16:45	16:06
8	08:58	08:14	07:09	06:50	05:40	04:56	21:11 (5) 05:03	21:18 (5) 05:52	06:51	07:48	07:51	08:45
	16:23	17:23	18:22	20:23	21:22	22:10	21:33 (5) 22:14	21:36 (5) 21:26	20:11	18:54	16:43	16:05
9	08:57	08:12	07:07	06:47	05:38	04:55	21:12 (5) 05:04	21:18 (5) 05:54	06:53	07:50	07:53	08:47
	16:25	17:25	18:24	20:25	21:24	22:11	21:34 (5) 22:13	21:35 (5) 21:23	20:09	18:52	16:42	16:05
10	08:57	08:10	07:04	06:45	05:36	04:54	21:12 (5) 05:05	21:19 (5) 05:56	06:55	07:52	07:55	08:48
	16:26	17:27	18:26	20:27	21:26	22:12	21:34 (5) 22:12	21:35 (5) 21:21	20:06	18:49	16:40	16:04
11	08:56	08:08	07:02	06:42	05:34	04:54	21:12 (5) 05:07	21:19 (5) 05:58	06:57	07:54	07:57	08:49
	16:28	17:29	18:28	20:29	21:28	22:13	21:35 (5) 22:11	21:34 (5) 21:19	20:04	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40	05:32	04:53	21:13 (5) 05:08	21:20 (5) 06:00	06:58	07:56	07:59	08:50
	16:29	17:31	18:30	20:31	21:30	22:14	21:35 (5) 22:10	21:34 (5) 21:17	20:01	18:44	16:36	16:04
13	08:54	08:04	06:57	06:37	05:30	04:53	21:12 (5) 05:09	21:20 (5) 06:02	07:00	07:58	08:01	08:52
	16:31	17:34	18:32	20:33	21:31	22:15	21:35 (5) 22:09	21:33 (5) 21:15	19:59	18:42	16:34	16:04
14	08:53	08:01	06:54	06:35	05:28	04:53	21:13 (5) 05:11	21:21 (5) 06:04	07:02	08:00	08:03	08:53
	16:33	17:36	18:34	20:35	21:33	22:16	21:35 (5) 22:08	21:31 (5) 21:12	19:56	18:39	16:33	16:04
15	08:52	07:59	06:52	06:33	05:27	04:52	21:13 (5) 05:12	21:21 (5) 06:05	07:04	08:02	08:05	08:54
	16:35	17:38	18:36	20:37	21:35	22:16	21:35 (5) 22:07	21:30 (5) 21:10	19:53	18:37	16:31	16:04
16	08:51	07:57	06:49	06:30	05:25	04:52	21:13 (5) 05:13	21:22 (5) 06:07	07:06	08:04	08:07	08:55
	16:36	17:40	18:38	20:39	21:37	22:17	21:36 (5) 22:05	21:30 (5) 21:08	19:51	18:34	16:29	16:04
17	08:50	07:55	06:46	06:28	05:23	04:52	21:14 (5) 05:15	21:23 (5) 06:09	07:08	08:06	08:09	08:55
	16:38	17:42	18:40	20:41	21:39	22:17	21:36 (5) 22:04	21:28 (5) 21:06	19:48	18:32	16:28	16:04
18	08:49	07:53	06:44	06:25	05:21	04:52	21:14 (5) 05:16	21:24 (5) 06:11	07:10	08:08	08:11	08:56
	16:40	17:44	18:42	20:43	21:40	22:18	21:36 (5) 22:03	21:27 (5) 21:03	19:46	18:30	16:26	16:04
19	08:48	07:50	06:41	06:23	05:20	04:52	21:14 (5) 05:18	21:27 (5) 06:13	07:12	08:10	08:13	08:57
	16:42	17:46	18:44	20:45	21:42	22:18	21:36 (5) 22:01	21:01	19:43	18:27	16:24	16:04
20	08:46	07:48	06:39	06:20	05:18	04:52	21:14 (5) 05:19	21:15 (5) 06:15	07:14	08:12	08:15	08:58
	16:44	17:48	18:46	20:47	21:44	22:18	21:36 (5) 22:00	20:59	19:40	18:25	16:23	16:04
21	08:45	07:46	06:36	06:18	05:16	04:52	21:14 (5) 05:21	21:14 (5) 06:17	07:15	08:14	08:17	08:58
	16:46	17:51	18:48	20:49	21:46	22:19	21:36 (5) 21:58	20:56	19:38	18:22	16:21	16:05
22	08:44	07:43	06:34	06:16	05:15	04:52	21:15 (5) 05:22	21:15 (5) 06:19	07:17	08:16	08:19	08:59
	16:48	17:53	18:50	20:51	21:47	22:19	21:37 (5) 21:57	20:54	19:35	18:20	16:20	16:05
23	08:42	07:41	06:31	06:13	05:13	04:53	21:15 (5) 05:24	21:15 (5) 06:21	07:19	08:18	08:21	08:59
	16:50	17:55	18:52	20:53	21:49	22:19	21:37 (5) 21:55	20:51	19:33	18:18	16:19	16:06
24	08:41	07:39	06:28	06:11	05:12	04:53	21:15 (5) 05:26	21:15 (5) 06:23	07:21	08:20	08:23	09:00
	16:52	17:57	18:54	20:55	21:51	22:19	21:37 (5) 21:54	20:49	19:30	18:15	16:17	16:06
25	08:39	07:36	06:26	06:08	05:10	04:53	21:16 (5) 05:27	21:16 (5) 06:24	07:23	07:22	08:25	09:00
	16:54	17:59	18:56	20:57	21:52	1	21:16 (5) 22:19	22:19	20:47	19:27	17:13	16:16
26	08:38	07:34	06:23	06:06	05:09	04:54	21:14 (5) 04:54	21:15 (5) 05:29	06:26	07:25	07:24	08:26
	16:56	18:01	18:58	20:59	21:54	4	21:18 (5) 22:19	23	21:38 (5) 21:51	20:44	19:25	16:15
27	08:36	07:31	06:21	06:04	05:08	04:54	21:13 (5) 04:54	21:16 (5) 05:31	06:28	07:27	07:26	08:28
	16:58	18:03	19:00	21:01	21:55	6	21:19 (5) 22:19	23	21:39 (5) 21:49	20:42	19:22	16:14
28	08:34	07:29	06:18	06:02	05:06	04:55	21:13 (5) 04:55	21:16 (5) 05:32	06:30	07:29	07:28	08:30
	17:00	18:05	19:02	21:03	21:57	8	21:21 (5) 22:19	22	21:38 (5) 21:47	20:39	19:20	16:13
29	08:33	07:16	05:59	05:05	04:55	04:55	21:12 (5) 04:55	21:16 (5) 05:34	06:32	07:31	07:30	08:32
	17:02	08:04	21:05	21:58	10	21:22 (5) 22:19	23	21:39 (5) 21:45	20:37	19:17	17:04	16:12
30	08:31	07:13	05:57	05:04	04:56	04:56	21:12 (5) 04:56	21:16 (5) 05:36	06:34	07:33	07:32	08:33
	17:04	08:06	21:07	22:00	12	21:24 (5) 22:18	22	21:38 (5) 21:43	20:34	19:15	17:02	16:11
31	08:29	07:10	05:53	05:03	04:53	04:53	21:12 (5) 04:53	21:12 (5) 05:38	06:36	07:34	07:34	09:01
	17:06	08:07	22:07	22:01	13	21:25 (5) 22:19	22	21:42	20:32	17:00	16:12	16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case					54	636	278					
Sun reduction					0,52	0,48	0,49					
Oper. time red.					1,00	1,00	1,00					
Wind dir. red.					0,82	0,82	0,82					
Total reduction					0,42	0,40	0,40					
Total, real					23	252	111					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: W - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: X - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the year (1-31), showing sun rise/set times and shadow calculations. Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm) / Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker / Last time (hh:mm) with flicker, (WTG causing flicker first time) / (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: Y - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day (1-31) showing sunrise, sunset, and shadow receptor status.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: Z - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and multiple rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AA - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AB - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (89)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiējo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AC - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes summary rows for 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņš (Ģilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AD - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AE - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1 09:01	08:27	07:26		07:08								
16:14	17:08	18:07		20:09	26	07:54 (6) 05:55	42	07:38 (6) 05:02	04:57	05:39		
2 09:00	08:26	07:24		07:05		08:20 (6) 21:08		22:02	22:18	21:40		
16:15	17:10	18:09		20:11	32	07:51 (6) 05:53	40	07:38 (6) 05:01	04:57	05:41		
3 09:00	08:24	07:22		07:03		08:23 (6) 21:10		22:03	22:17	21:38		
16:16	17:12	18:11		20:13	36	07:48 (6) 05:50	37	07:39 (6) 05:00	04:58	05:43		
4 09:00	08:22	07:19		07:00		08:24 (6) 21:12		22:05	22:17	21:36		
16:17	17:14	18:13		20:15	39	07:46 (6) 05:48	34	07:40 (6) 04:59	04:59	05:45		
5 08:59	08:20	07:17		06:57		08:25 (6) 21:14		22:06	22:16	21:34		
16:19	17:16	18:15		20:17	42	07:45 (6) 05:46	31	07:42 (6) 04:58	05:00	05:47		
6 08:59	08:18	07:14		06:55		08:27 (6) 21:16		22:07	22:16	21:32		
16:20	17:19	18:17		20:19	44	07:43 (6) 05:44	27	07:44 (6) 04:57	05:01	05:49		
7 08:58	08:16	07:12		06:52		08:28 (6) 21:18		22:08	22:15	21:30		
16:21	17:21	18:19		20:21	47	07:42 (6) 05:42	23	08:11 (6) 22:08	22:15	21:30		
8 08:58	08:14	07:09		06:50		08:29 (6) 21:20		22:09	22:14	21:28		
16:23	17:23	18:22		20:23	49	07:40 (6) 05:40	23	08:09 (6) 22:09	22:14	21:28		
9 08:57	08:12	07:07		06:47		08:31 (6) 21:22		22:10	22:14	21:25		
16:24	17:25	18:24		20:25	51	07:39 (6) 05:38	17	08:06 (6) 22:10	22:14	21:25		
10 08:56	08:10	07:04		06:45		08:30 (6) 21:24		22:11	22:14	21:25		
16:26	17:27	18:26		20:27	52	08:30 (6) 05:36	7	08:00 (6) 22:11	22:13	21:23		
11 08:56	08:08	07:02		06:42		07:38 (6) 05:34		22:12	22:12	21:21		
16:28	17:29	18:28		20:29	53	08:30 (6) 05:32		22:13	22:17	21:21		
12 08:55	08:06	06:59		06:40		07:37 (6) 05:32		22:13	22:18	21:19		
16:29	17:31	18:30		20:31	54	08:30 (6) 05:30		22:14	22:10	21:17		
13 08:54	08:03	06:56		06:37		08:31 (6) 21:29		22:14	22:10	21:17		
16:31	17:33	18:32		20:33	54	07:36 (6) 05:30		22:15	22:09	21:15		
14 08:53	08:01	06:54		06:35		08:32 (6) 21:31		22:09	22:05	21:15		
16:33	17:36	18:34		20:35	56	07:35 (6) 05:28		22:15	22:08	21:12		
15 08:52	07:59	06:51		06:32		08:31 (6) 21:33		22:15	22:08	21:12		
16:34	17:38	18:36		20:37	56	07:34 (6) 05:26		22:16	22:06	21:10		
16 08:51	07:57	06:49		06:30		08:30 (6) 21:35		22:16	22:06	21:10		
16:36	17:40	18:38		20:39	56	07:34 (6) 05:25		22:17	22:05	21:08		
17 08:50	07:55	06:46		06:27		08:30 (6) 21:37		22:17	22:05	21:08		
16:38	17:42	18:40		20:41	57	07:34 (6) 05:23		22:17	22:04	21:05		
18 08:49	07:52	06:44		06:25		08:31 (6) 21:39		22:17	22:04	21:05		
16:40	17:44	18:42		20:43	57	07:33 (6) 05:21		22:17	22:04	21:05		
19 08:47	07:50	06:41		06:23		08:32 (6) 21:40		22:18	22:03	21:03		
16:42	17:46	18:44		20:45	57	08:30 (6) 21:42		22:18	22:03	21:03		
20 08:46	07:48	06:39		06:20		07:33 (6) 05:19		22:18	22:01	21:01		
16:44	17:48	18:46		20:47	55	08:30 (6) 21:42		22:18	22:01	21:01		
21 08:45	07:46	06:36		06:18		08:29 (6) 21:44		22:18	22:00	20:58		
16:46	17:50	18:48		20:49	55	07:33 (6) 05:16		22:18	22:00	20:58		
22 08:43	07:43	06:33		06:15		08:28 (6) 21:45		22:19	21:58	20:56		
16:48	17:53	18:50		20:51	55	08:28 (6) 21:45		22:19	21:58	20:56		
23 08:42	07:41	06:31		06:13		07:33 (6) 05:15		22:19	21:58	20:56		
16:49	17:55	18:52		20:53	54	08:28 (6) 21:47		22:19	21:57	20:54		
24 08:41	07:38	06:28		06:11		07:34 (6) 05:13		22:19	21:57	20:54		
16:51	17:57	18:54		20:55	53	08:28 (6) 21:49		22:19	21:55	20:51		
25 08:39	07:36	06:26		06:08		07:34 (6) 05:12		22:19	21:55	20:51		
16:53	17:59	18:56		20:55	53	08:27 (6) 21:50		22:19	21:54	20:49		
26 08:37	07:34	06:23		06:06		07:34 (6) 05:10		22:19	21:54	20:49		
16:56	18:01	18:57		20:59	51	08:25 (6) 21:52		22:19	21:52	20:46		
27 08:36	07:31	06:21		06:04		08:25 (6) 21:53		22:19	21:52	20:46		
16:58	18:03	18:59		21:01	49	07:35 (6) 05:08		22:19	21:50	20:44		
28 08:34	07:29	06:18		06:01		08:24 (6) 21:55		22:19	21:49	20:42		
17:00	18:05	19:01		21:03	48	08:24 (6) 21:55		22:19	21:49	20:42		
29 08:33	07:15	06:05		05:59		07:35 (6) 05:06		22:19	21:47	20:39		
17:02	07:03	06:00		21:05	46	08:23 (6) 21:57		22:19	21:47	20:39		
30 08:31	07:13	06:03		05:57		07:36 (6) 05:05		22:19	21:47	20:39		
17:04	07:13	06:03		21:05	46	08:22 (6) 21:58		22:19	21:45	20:37		
31 08:29	07:10	06:00		05:53		07:37 (6) 05:04		22:18	21:43	20:34		
17:06	07:10	06:00		21:06	44	08:21 (6) 21:59		22:18	21:43	20:34		
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			26		1479		258		1282		503	
Sun reduction			0,34		0,39		0,52		0,51		0,40	
Oper. time red.			1,00		1,00		1,00		1,00		1,00	
Wind dir. red.			1,00		1,00		1,00		1,00		1,00	
Total reduction			0,34		0,39		0,52		0,51		0,40	
Total, real			9		582		133		660		199	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)		First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Minutes with flicker	Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AF - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AG - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and multiple rows showing hourly shadow calculations, including sun rise/set times, minutes with flicker, and total sun hours for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AH - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with months (Jan to Dec) and values (1,90 to 2,32)

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January to December) and rows for each day of the month, including sun rise/set times and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise/set, Minutes with flicker, First/Last time with flicker.



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AI - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for hourly intervals (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AJ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīs (Ģilutēs raj. sav. Usēnō ir Juknaiēnō sen.: Kavolī, Stremeni, Kūgelī, Okslindpī, Skierī bei Menklaukī kaimuose) statybā ir ekspluatācija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AK - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AL - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (months) and 24 rows (times of day). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** AM - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01 16:14	08:27 17:08	07:26 18:07	09:25 (6) 10:58 (6)	07:08 20:09	10:23 (6) 21:08
2	09:00 16:15	08:26 17:10	07:24 18:09	09:24 (6) 10:58 (6)	07:05 20:11	10:23 (6) 21:10
3	09:00 16:16	08:24 17:12	07:22 18:11	09:24 (6) 10:59 (6)	07:03 20:13	10:25 (6) 21:12
4	09:00 16:17	08:22 17:14	07:19 18:13	09:23 (6) 10:59 (6)	07:00 20:15	10:26 (6) 21:14
5	08:59 16:19	08:20 17:16	07:17 18:15	09:23 (6) 10:59 (6)	06:57 20:17	10:28 (6) 21:16
6	08:59 16:20	08:18 17:19	07:14 18:17	09:22 (6) 10:59 (6)	06:55 20:19	10:29 (6) 21:18
7	08:58 16:21	08:16 17:21	07:12 18:19	09:22 (6) 11:00 (6)	06:52 20:21	10:32 (6) 21:20
8	08:58 16:23	08:14 17:23	07:09 18:21	09:21 (6) 10:59 (6)	06:50 20:23	10:34 (6) 21:22
9	08:57 16:24	08:12 17:25	07:07 18:24	09:20 (6) 10:59 (6)	06:47 20:25	10:39 (6) 21:24
10	08:56 16:26	08:10 17:27	07:04 18:26	09:20 (6) 10:59 (6)	06:45 20:27	10:47 (6) 21:26
11	08:56 16:28	08:08 17:29	07:02 18:28	09:19 (6) 10:58 (6)	06:42 20:29	10:52 (6) 21:28
12	08:55 16:29	08:06 17:31	06:59 18:30	09:19 (6) 10:59 (6)	06:40 20:31	10:53 (6) 21:29
13	08:54 16:31	08:03 17:33	06:56 18:32	09:19 (6) 10:58 (6)	06:37 20:33	10:53 (6) 21:31
14	08:53 16:33	08:01 17:36	06:54 18:34	09:19 (6) 10:58 (6)	06:35 20:35	10:52 (6) 21:33
15	08:52 16:34	07:59 17:38	06:51 18:36	09:18 (6) 10:57 (6)	06:32 20:37	10:52 (6) 21:35
16	08:51 16:36	07:57 17:40	06:49 18:38	09:18 (6) 10:56 (6)	06:30 20:39	10:52 (6) 21:37
17	08:50 16:38	07:55 17:42	06:46 18:40	09:18 (6) 10:56 (6)	06:27 20:41	10:52 (6) 21:38
18	08:49 16:40	07:52 17:44	06:44 18:42	09:18 (6) 10:55 (6)	06:25 20:43	10:52 (6) 21:40
19	08:47 16:42	07:50 17:46	06:41 18:44	09:18 (6) 10:54 (6)	06:23 20:45	10:52 (6) 21:42
20	08:46 16:44	07:48 17:48	06:39 18:46	09:18 (6) 10:53 (6)	06:20 20:47	10:52 (6) 21:44
21	08:45 16:46	07:46 17:50	06:36 18:48	09:17 (6) 10:52 (6)	06:18 20:49	10:52 (6) 21:45
22	08:43 16:47	07:43 17:53	06:33 18:50	09:18 (6) 10:51 (6)	06:15 20:51	10:52 (6) 21:47
23	08:42 16:49	07:41 17:55	06:31 18:52	09:18 (6) 10:49 (6)	06:13 20:53	10:52 (6) 21:49
24	08:41 16:51	07:38 17:57	06:28 18:54	09:19 (6) 10:49 (6)	06:11 20:55	10:52 (6) 21:50
25	08:39 16:53	07:36 17:59	06:26 18:55	09:19 (6) 10:47 (6)	06:08 20:57	10:52 (6) 21:52
26	08:37 16:55	07:34 18:01	06:23 18:57	09:18 (6) 10:45 (6)	06:06 20:59	10:52 (6) 21:53
27	08:36 16:58	07:31 18:03	06:21 18:59	09:19 (6) 10:44 (6)	06:04 21:01	10:52 (6) 21:55
28	08:34 17:00	07:29 18:05	06:18 19:01	09:20 (6) 10:42 (6)	06:01 21:03	10:52 (6) 21:56
29	08:33 17:02		07:15 20:03	10:21 (6) 11:40 (6)	05:59 21:04	10:52 (6) 21:58
30	08:31 17:04		07:13 20:05	10:21 (6) 11:38 (6)	05:57 21:06	10:52 (6) 21:59
31	08:29 17:06		07:10 20:07	10:22 (6) 11:36 (6)		10:52 (6) 22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case		1411	2886	468		
Sun reduction		0,25	0,34	0,39		
Oper. time red.		1,00	1,00	1,00		
Wind dir. red.		0,69	0,69	0,69		
Total reduction		0,17	0,23	0,27		
Total, real		238	677	127		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) **Shadow receptor:** AM - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:39	06:38	07:34	09:58 (6)	07:36
	22:18	21:40	20:29	19:12	11:38 (6)	16:58
2	04:57	05:41	06:39	10:46 (6)	07:36	09:58 (6)
	22:17	21:38	20:27	10:51 (6)	19:09	11:37 (6)
3	04:58	05:43	06:41	10:37 (6)	07:38	09:58 (6)
	22:17	21:36	20:24	11:02 (6)	19:07	11:37 (6)
4	04:59	05:45	06:43	10:32 (6)	07:40	09:58 (6)
	22:16	21:34	20:22	11:07 (6)	19:04	11:37 (6)
5	05:00	05:47	06:45	10:28 (6)	07:42	09:58 (6)
	22:16	21:32	20:19	11:10 (6)	19:02	11:36 (6)
6	05:01	05:48	06:47	10:25 (6)	07:44	09:57 (6)
	22:15	21:30	20:16	11:14 (6)	18:59	11:36 (6)
7	05:02	05:50	06:49	10:23 (6)	07:46	09:57 (6)
	22:14	21:28	20:14	11:17 (6)	18:57	11:35 (6)
8	05:03	05:52	06:51	10:21 (6)	07:48	09:58 (6)
	22:14	21:25	20:11	11:19 (6)	18:54	11:35 (6)
9	05:04	05:54	06:53	10:19 (6)	07:50	09:58 (6)
	22:13	21:23	20:09	11:22 (6)	18:52	11:34 (6)
10	05:05	05:56	06:55	10:17 (6)	07:52	09:58 (6)
	22:12	21:21	20:06	11:23 (6)	18:49	11:33 (6)
11	05:07	05:58	06:56	10:15 (6)	07:54	09:58 (6)
	22:11	21:19	20:04	11:25 (6)	18:47	11:33 (6)
12	05:08	06:00	06:58	10:14 (6)	07:56	09:58 (6)
	22:10	21:17	20:01	11:27 (6)	18:44	11:32 (6)
13	05:09	06:02	07:00	10:12 (6)	07:58	09:58 (6)
	22:09	21:15	19:58	11:29 (6)	18:42	11:31 (6)
14	05:10	06:03	07:02	10:11 (6)	08:00	09:59 (6)
	22:08	21:12	19:56	11:30 (6)	18:39	11:30 (6)
15	05:12	06:05	07:04	10:10 (6)	08:02	09:59 (6)
	22:06	21:10	19:53	11:32 (6)	18:37	11:29 (6)
16	05:13	06:07	07:06	10:08 (6)	08:04	10:00 (6)
	22:05	21:08	19:51	11:32 (6)	18:34	11:28 (6)
17	05:15	06:09	07:08	10:07 (6)	08:06	10:00 (6)
	22:04	21:05	19:48	11:33 (6)	18:32	11:27 (6)
18	05:16	06:11	07:10	10:06 (6)	08:08	10:02 (6)
	22:03	21:03	19:45	11:34 (6)	18:29	11:26 (6)
19	05:18	06:13	07:12	10:05 (6)	08:10	10:02 (6)
	22:01	21:01	19:43	11:35 (6)	18:27	11:25 (6)
20	05:19	06:15	07:13	10:05 (6)	08:12	10:03 (6)
	22:00	20:58	19:40	11:36 (6)	18:25	11:24 (6)
21	05:21	06:17	07:15	10:04 (6)	08:14	10:04 (6)
	21:58	20:56	19:38	11:36 (6)	18:22	11:22 (6)
22	05:22	06:19	07:17	10:03 (6)	08:16	10:05 (6)
	21:57	20:54	19:35	11:37 (6)	18:20	11:21 (6)
23	05:24	06:20	07:19	10:02 (6)	08:18	10:06 (6)
	21:55	20:51	19:33	11:38 (6)	18:18	11:19 (6)
24	05:26	06:22	07:21	10:01 (6)	08:20	10:08 (6)
	21:54	20:49	19:30	11:37 (6)	18:15	11:18 (6)
25	05:27	06:24	07:23	10:00 (6)	07:22	09:09 (6)
	21:52	20:46	19:27	11:37 (6)	17:13	10:17 (6)
26	05:29	06:26	07:25	10:00 (6)	07:24	09:10 (6)
	21:50	20:44	19:25	11:38 (6)	17:11	10:15 (6)
27	05:31	06:28	07:27	09:59 (6)	07:26	09:12 (6)
	21:49	20:42	19:22	11:38 (6)	17:08	10:13 (6)
28	05:32	06:30	07:29	09:59 (6)	07:28	09:13 (6)
	21:47	20:39	19:20	11:38 (6)	17:06	10:11 (6)
29	05:34	06:32	07:31	09:59 (6)	07:30	09:16 (6)
	21:45	20:37	19:17	11:38 (6)	17:04	10:09 (6)
30	05:36	06:34	07:32	09:58 (6)	07:32	09:18 (6)
	21:43	20:34	19:14	11:38 (6)	17:02	10:07 (6)
31	05:38	06:36		07:34	09:20 (6)	
	21:41	20:32		17:00	10:04 (6)	
Potential sun hours	521	465	383	326	253	224
Total, worst case			2187		2561	90
Sun reduction			0,40		0,31	0,16
Oper. time red.			1,00		1,00	1,00
Wind dir. red.			0,69		0,69	0,69
Total reduction			0,27		0,21	0,11
Total, real			596		541	10

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.survile@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AN - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns (January to December) and 32 rows of hourly data. Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AO - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns (January to December) and multiple rows showing shadow calculations. Includes a summary row at the bottom with 'Potential sun hours' and 'Total, real' values for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AP - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times and shadow reduction percentages.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AQ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 13 columns (January to December) and 33 rows of time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AR - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 13 columns (January to December) and 33 rows of data showing sunrise and sunset times for each day. Includes summary rows for 'Potential sun hours', 'Total, worst case', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AS - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 13 columns (January to December) and 33 rows of data showing sunrise and sunset times for each day. Includes summary rows for 'Potential sun hours', 'Total, worst case', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shadow receptor: AT - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns (months) and 31 rows (days). Each cell contains a time range (e.g., 09:01 | 16:14) for each month. Summary rows at the bottom include 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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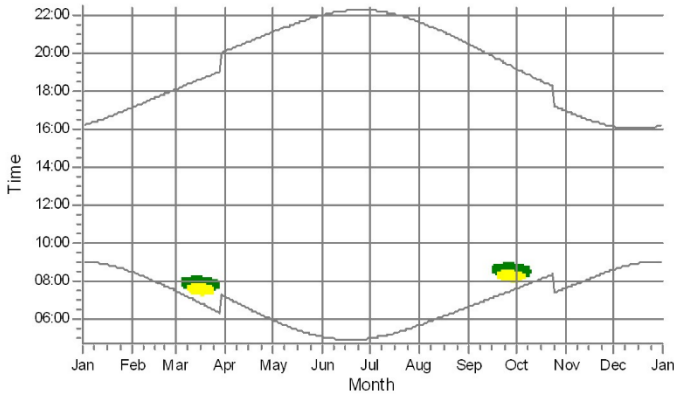
Calculated:

2021.12.03 11:15/3.5.552

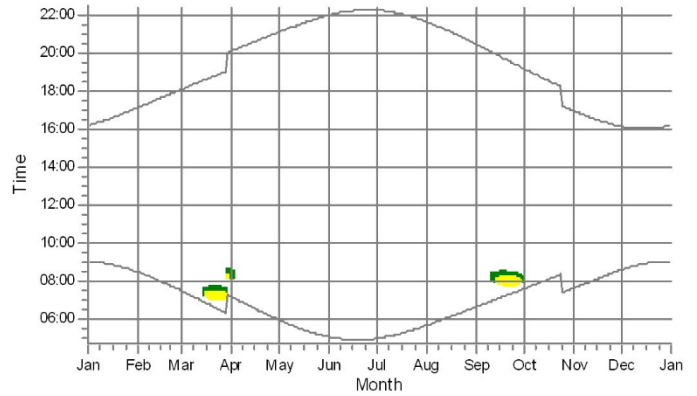
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

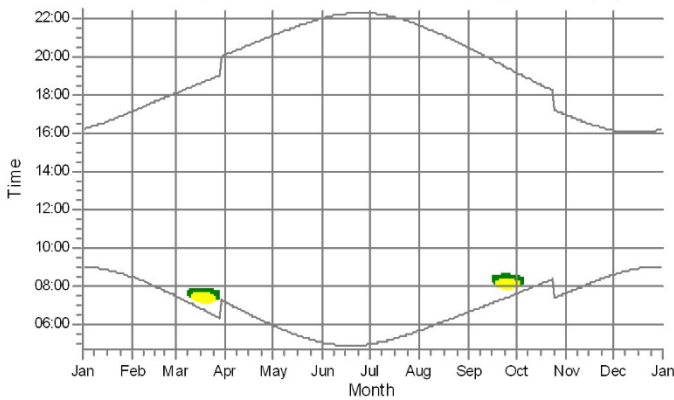
A: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (62)



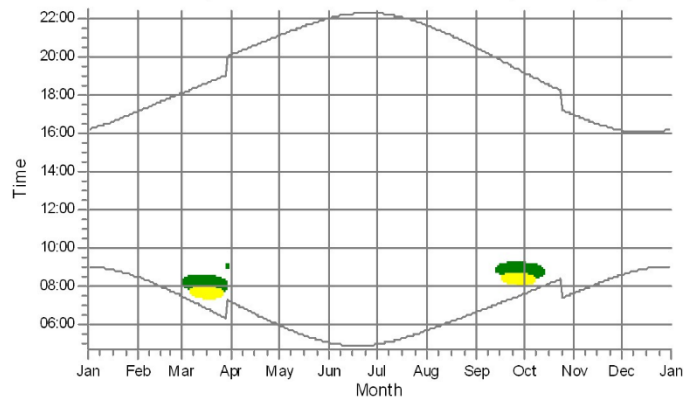
B: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (63)



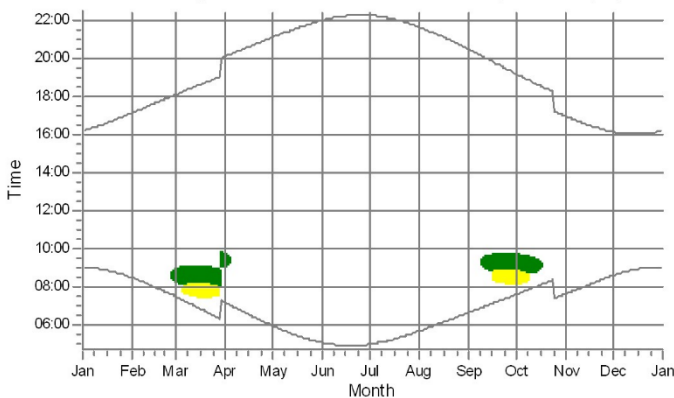
C: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (64)



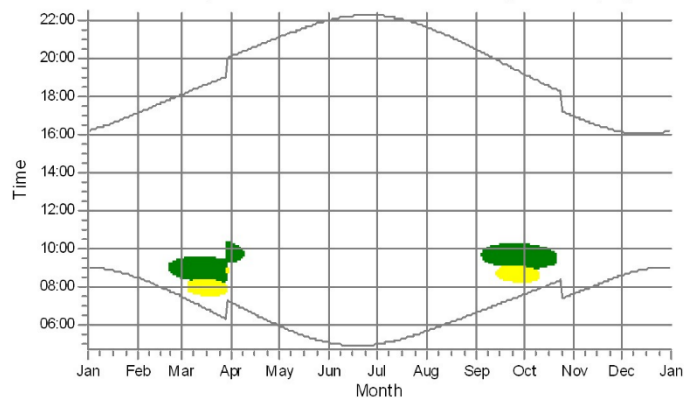
D: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (65)



E: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (66)



F: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (67)



WTGs



1: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (1)

2: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (2)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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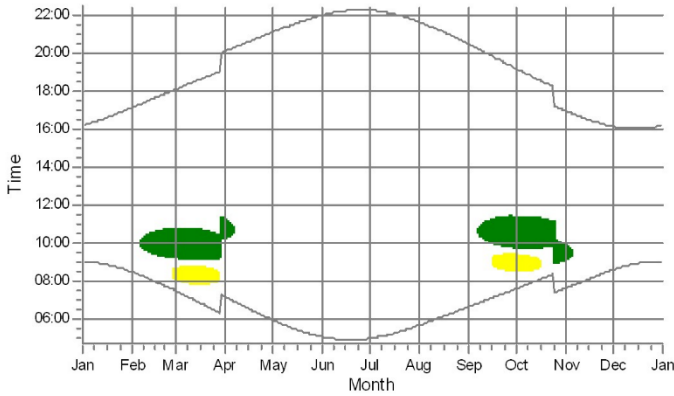
Calculated:

2021.12.03 11:15/3.5.552

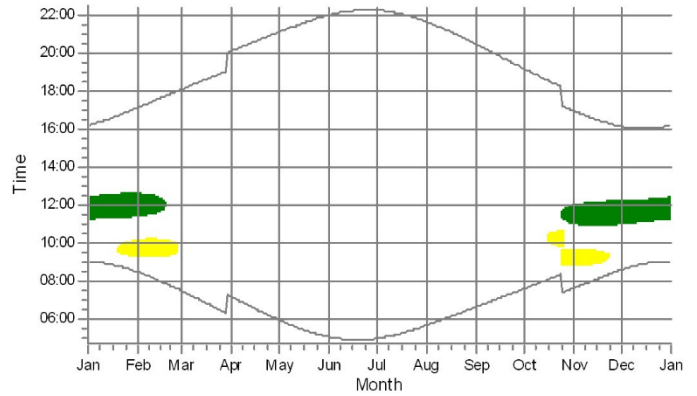
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

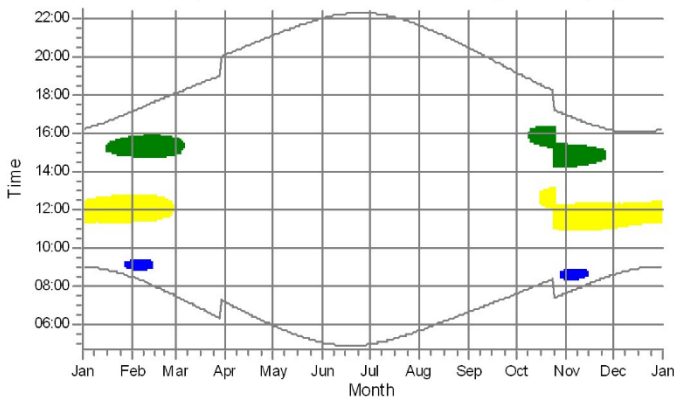
G: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)



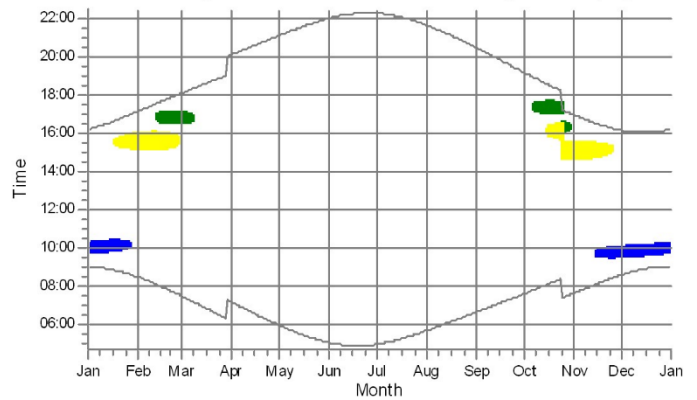
H: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)



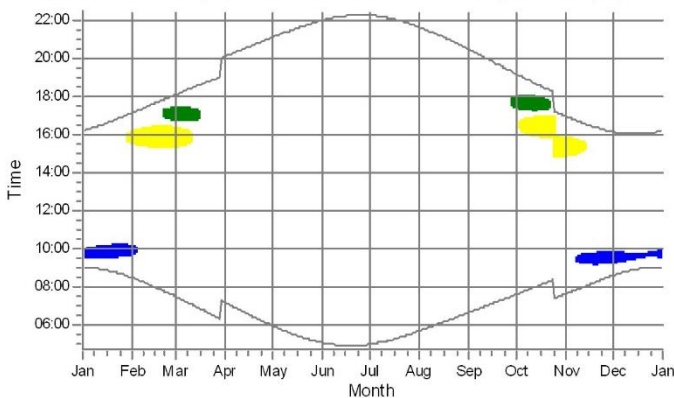
I: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)



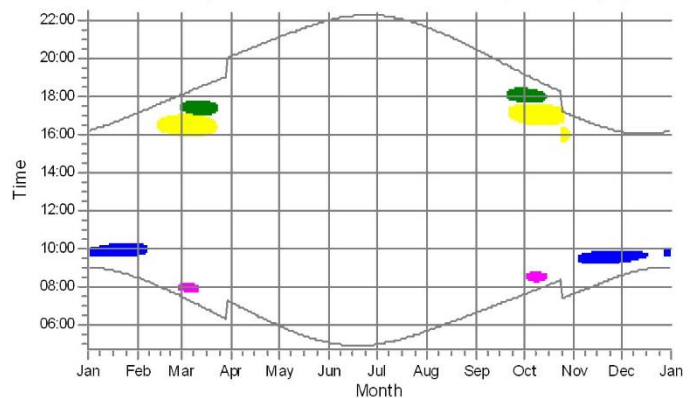
J: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)



K: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)



L: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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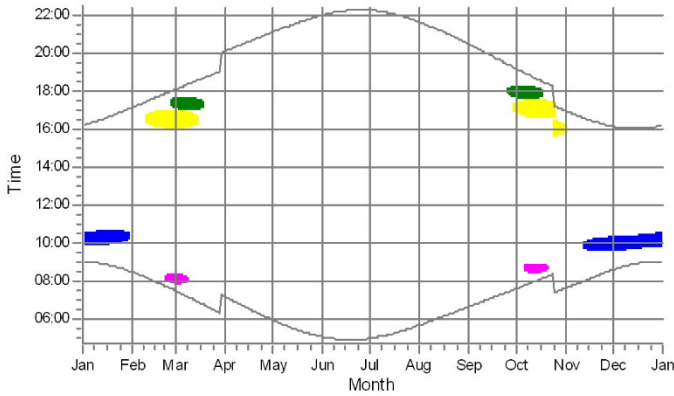
Calculated:

2021.12.03 11:15/3.5.552

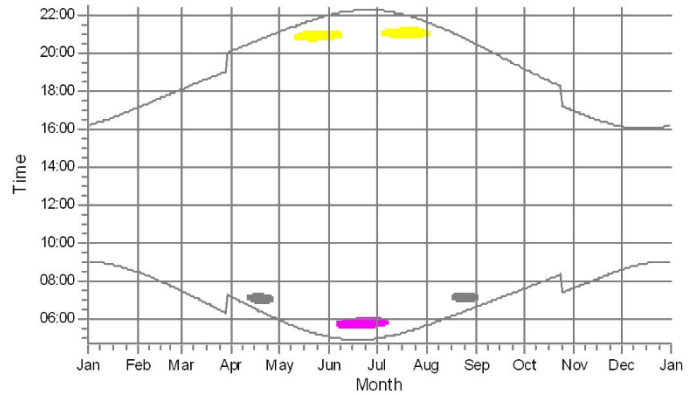
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

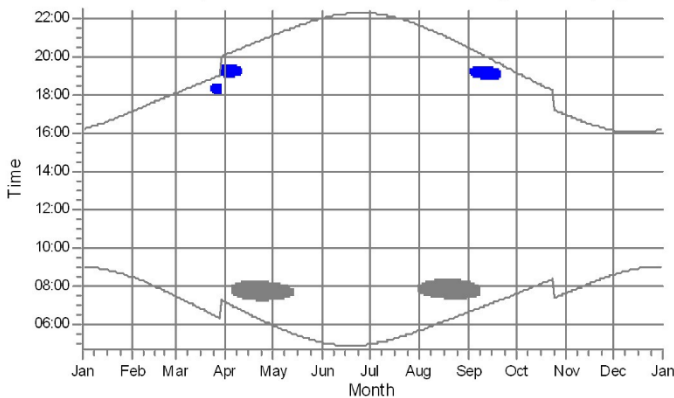
M: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)



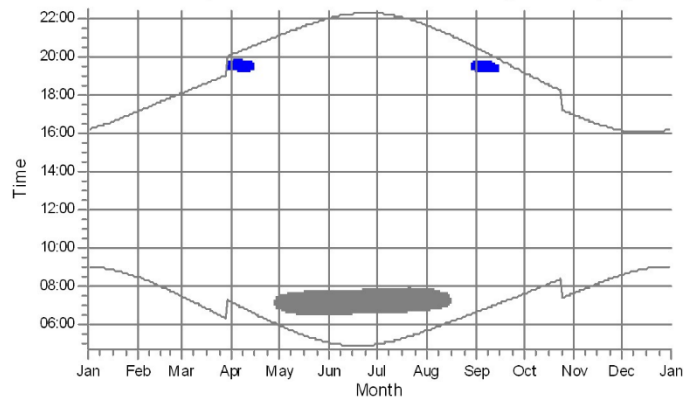
N: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (75)



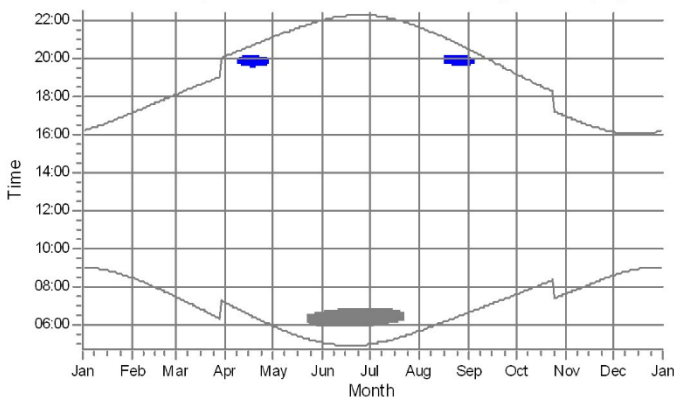
O: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (76)



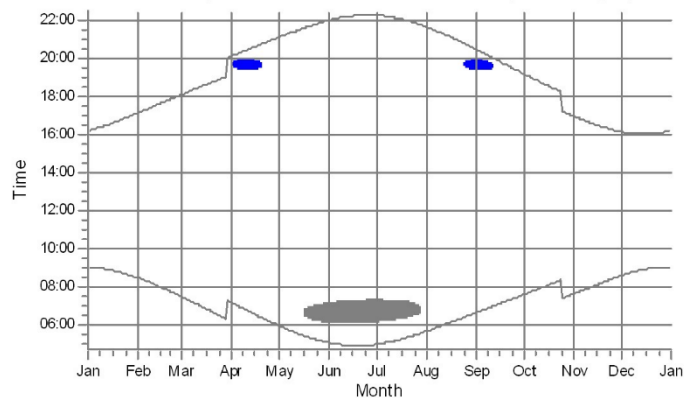
P: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)



Q: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)



R: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėnų sen.: Kavolių, Stremenių, Kūgelėnų, Okslindėnų, Skierėnų bei Menklaukių kaimuose) statyba ir eksploatacija

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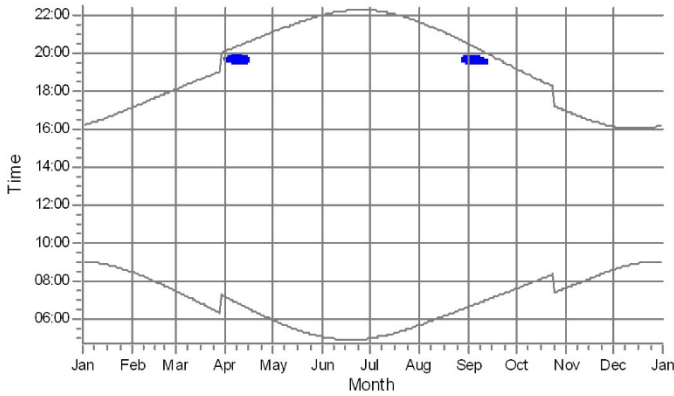
Calculated:

2021.12.03 11:15/3.5.552

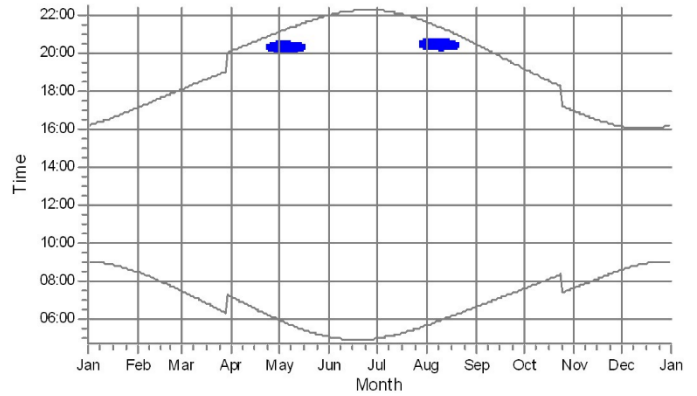
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

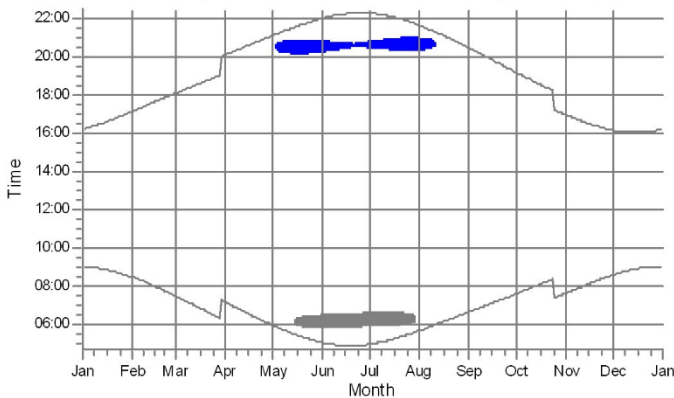
S: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (80)



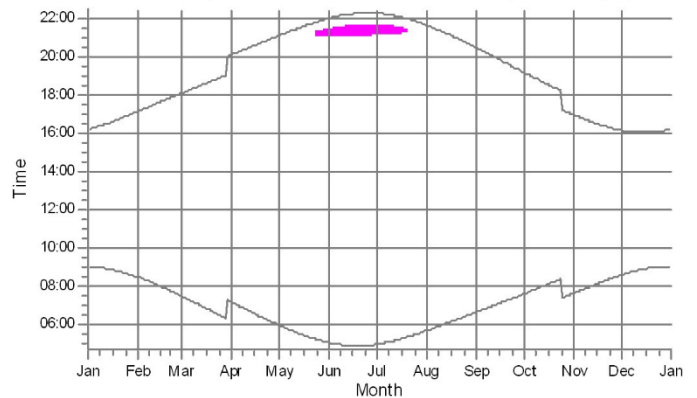
T: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (81)



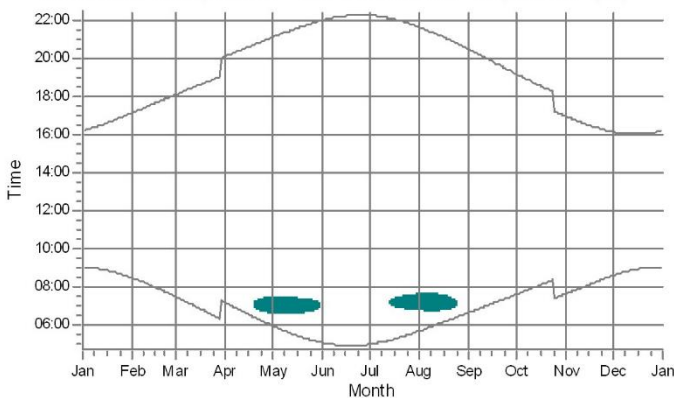
U: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (82)



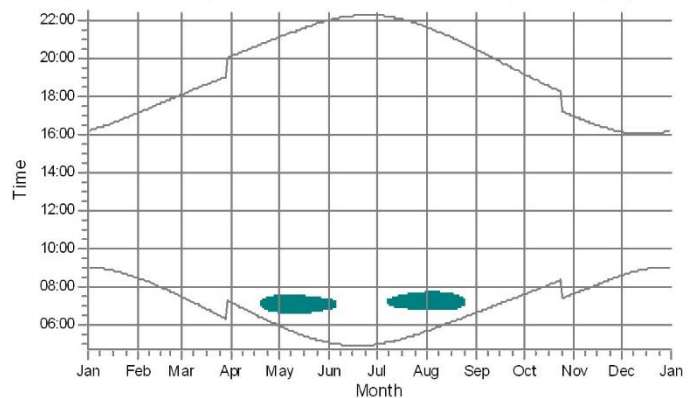
V: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (83)



W: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (84)



X: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (85)



WTGs

- 3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)
- 6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinī (Ģilutēs raj. sav. Usēnī ir Juknaiēnī sen.: Kavolī, Stremeni, Kūgeli, Okslindī, Skieri bei Menklauki kaimuose) statybā ir eksploataciā

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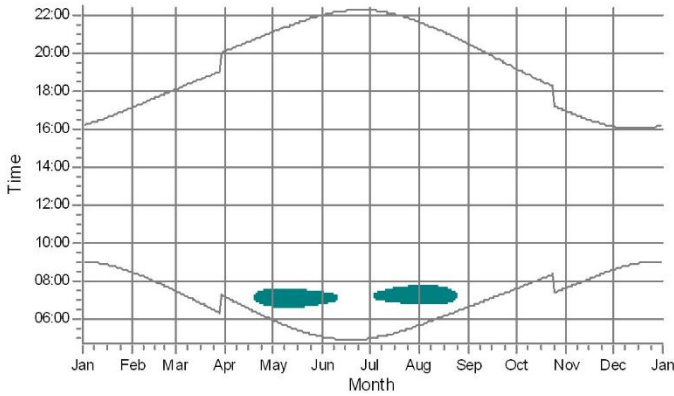
Calculated:

2021.12.03 11:15/3.5.552

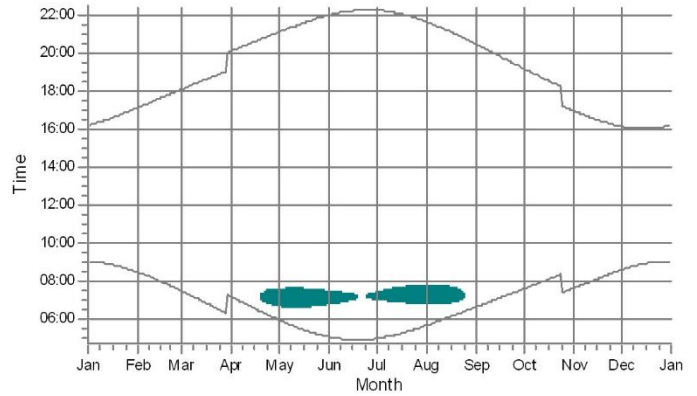
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

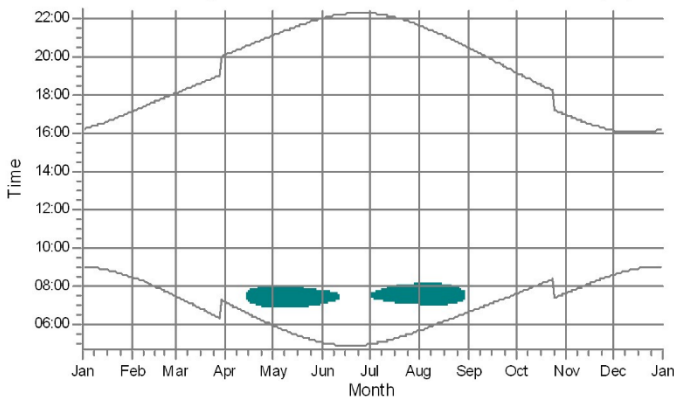
Y: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86)



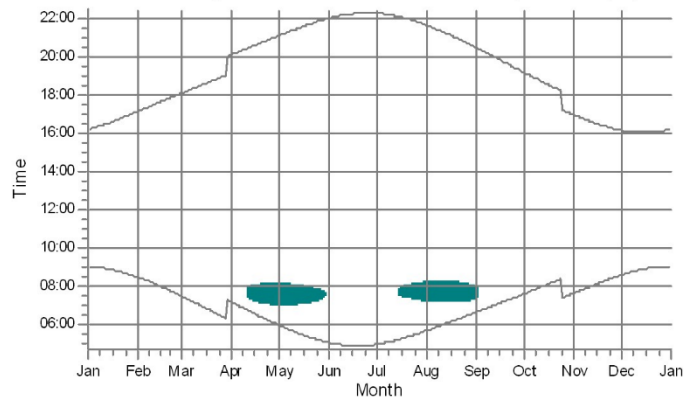
Z: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (87)



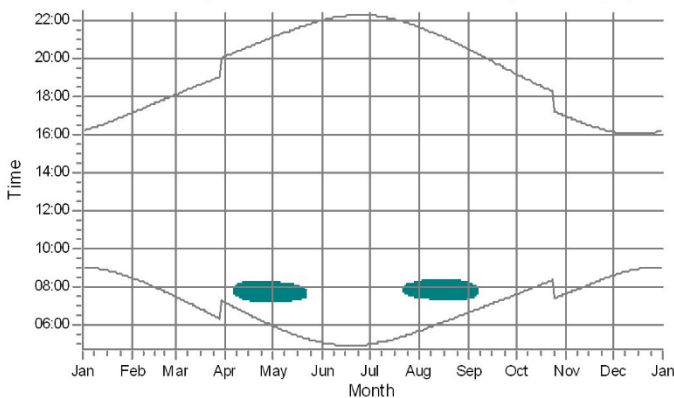
AA: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (88)



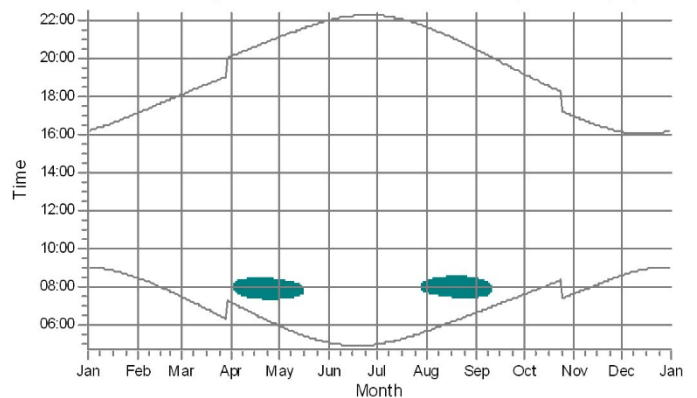
AB: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (89)



AC: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (90)



AD: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (91)



WTGs

6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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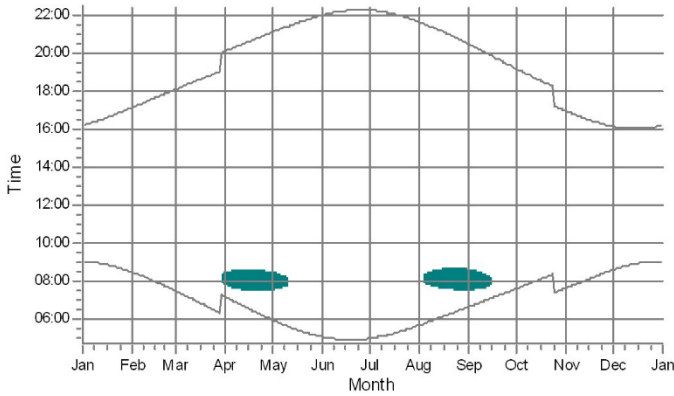
Calculated:

2021.12.03 11:15/3.5.552

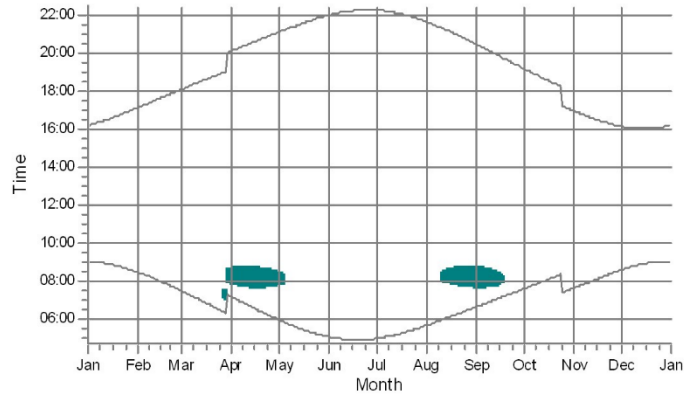
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

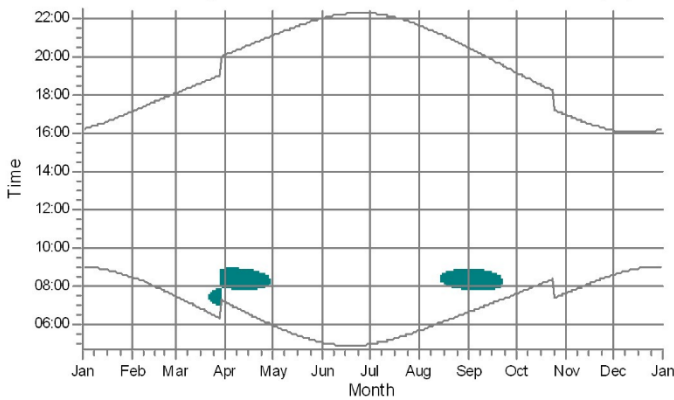
AE: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (92)



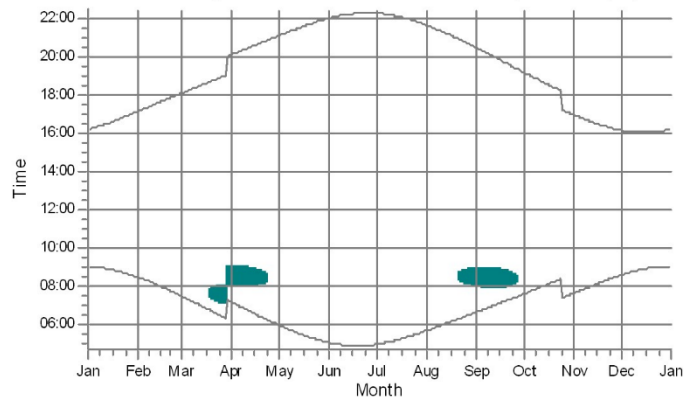
AF: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (93)



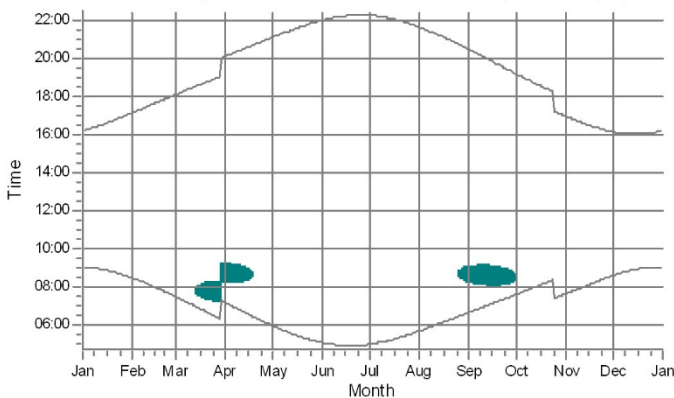
AG: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (94)



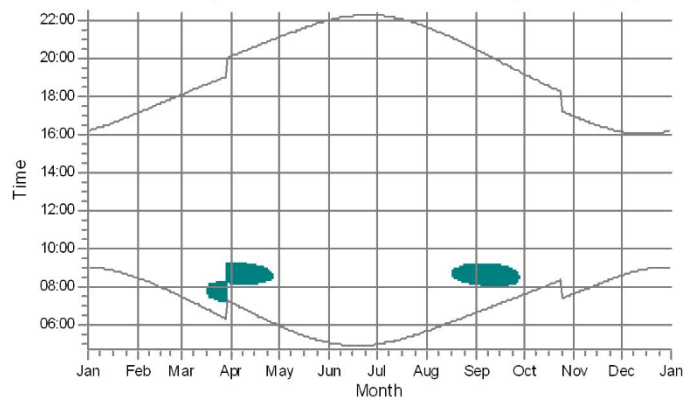
AH: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (95)




AI: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (96)



AJ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (97)



WTGs

 6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindņņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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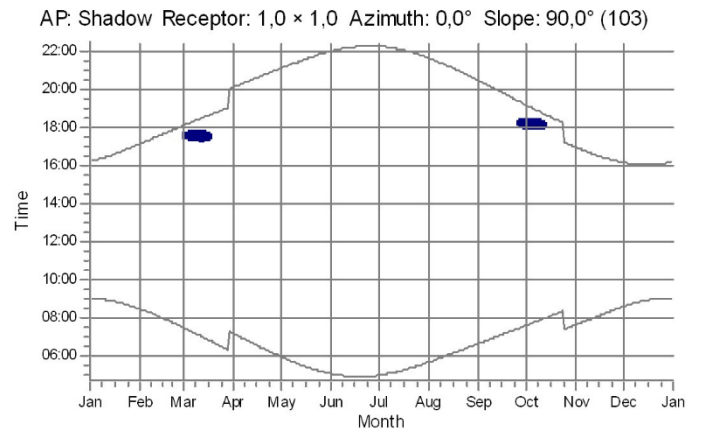
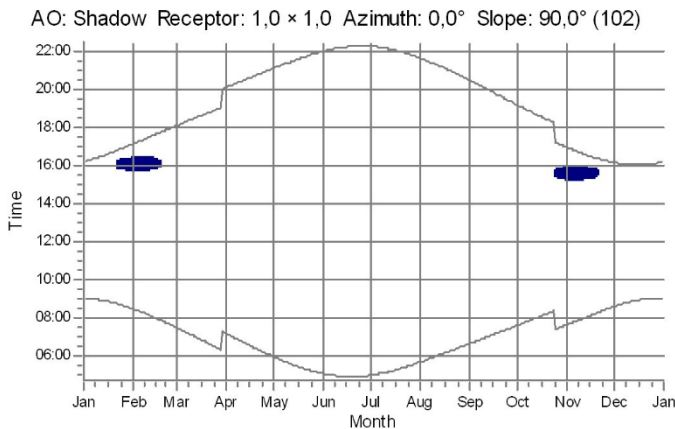
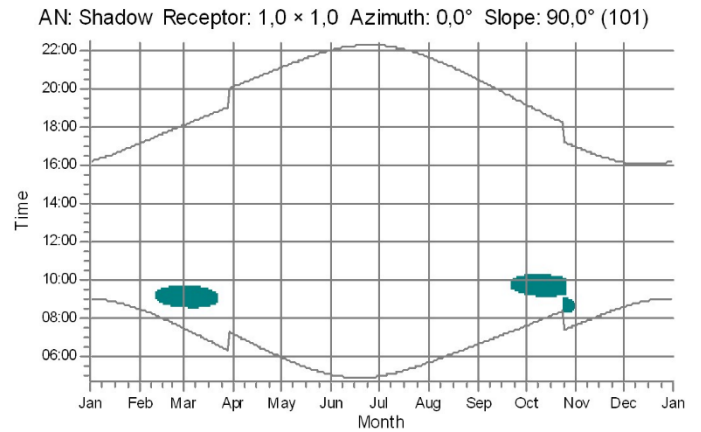
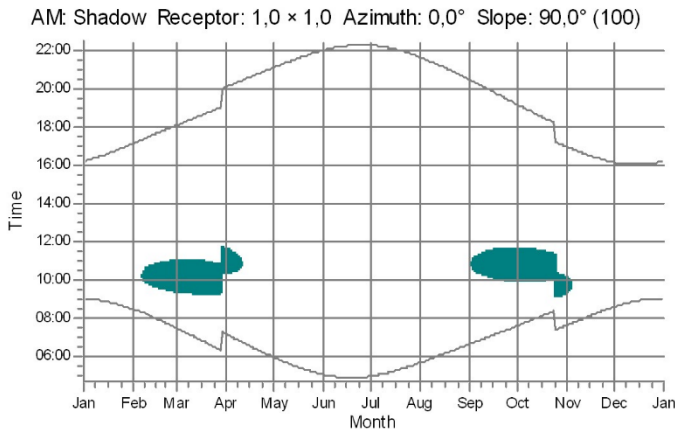
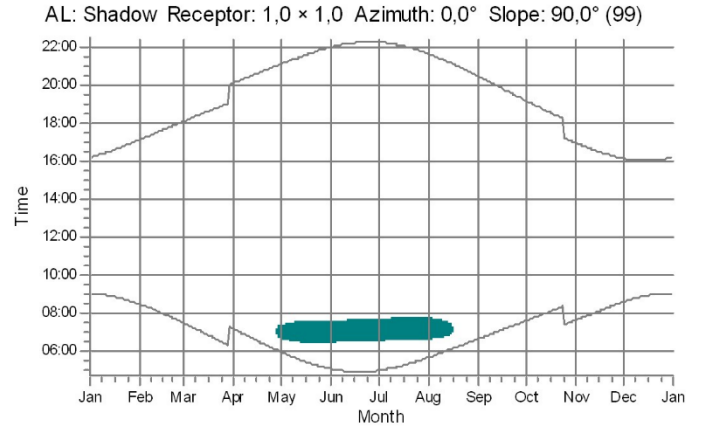
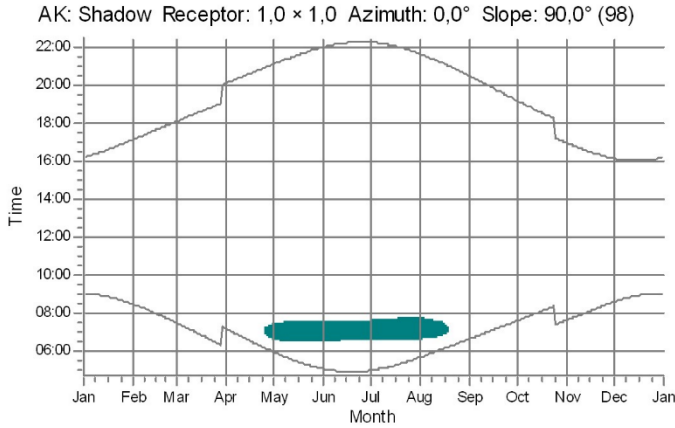
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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)



WTGs

- 6: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (7)
- 7: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (8)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelinių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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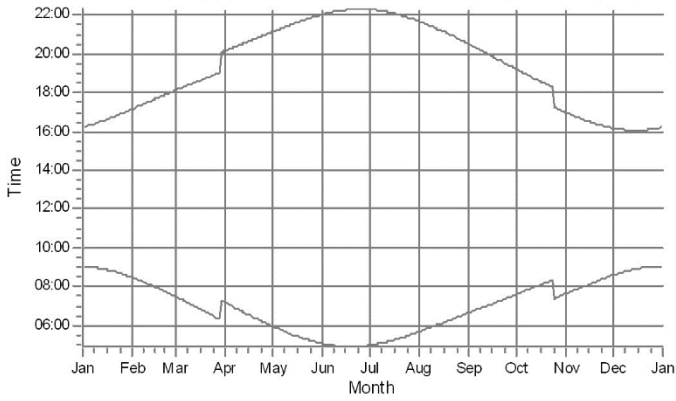
Calculated:

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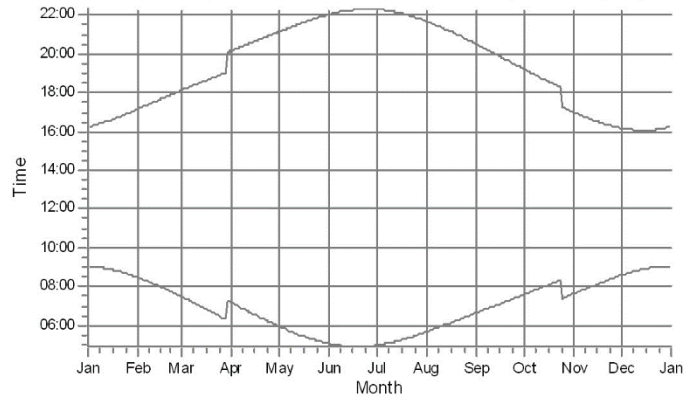
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE)

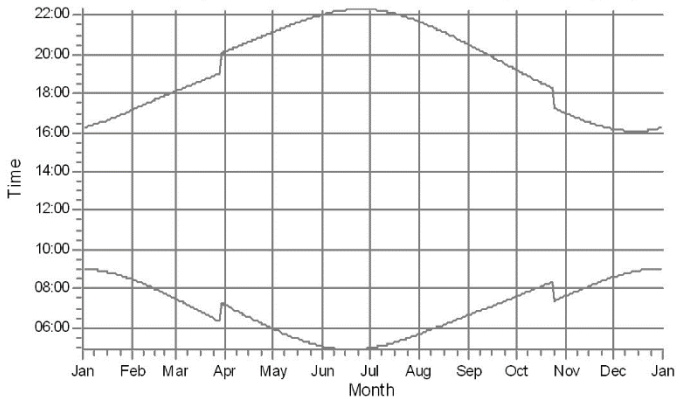
AQ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (104)



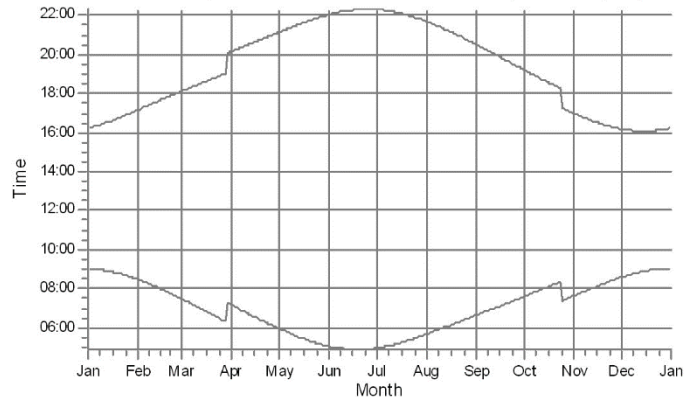
AR: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (105)



AS: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (106)



AT: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (107)



WTGs

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time ranges and potential sun hours. Summary row at the bottom shows total sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) WTG: 70 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m)
Assumptions for shadow calculations

Table with 12 columns (Jan-Dec) and 2 rows (Operational time, Sum) showing values for each month.

Main shadow calculation table with columns for months (July-December) and rows for each day of the month, including times and potential sun hours.

Table layout: For each day in each month the following matrix apply

Matrix with 2 columns: Day in month, and 2 rows: Sun rise/set times, First time with flicker, Last time with flicker, Minutes with flicker.



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for each day of the month, showing sun rise/set times and shadow flicker minutes.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņo, Stremeniņo, Kūģeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset, and a final row shows potential sun hours and sum of minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Table with 12 columns (Jan-Dec) and 1 row of values: 1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time table with 3 columns (0, 1, Sum) and 2 rows of values: 4.380 4.380 8.760

Main shadow calculation table with columns for months (January to June) and rows for each day of the month, including times and flicker minutes.

Table layout: For each day in each month the following matrix apply

Matrix with 2 rows and 3 columns: Day in month, Sun rise/set times, First/Last time with flicker, Minutes with flicker.



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņo sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset with and without flicker. Summary rows at the bottom show potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) WTG: 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains sun rise and set times and operational status.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) **WTG:** 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57 05:57-07:46/109 22:18	05:40 06:49-07:58/69 21:40	06:38 07:27-08:06/39 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	04:57 05:57-07:46/109 22:18	05:41 06:49-08:00/71 21:38	06:40 07:28-08:05/37 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	04:58 05:58-07:47/109 22:17	05:43 06:50-08:03/73 21:36	06:41 07:29-08:03/34 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	04:59 05:57-07:46/109 22:17	05:45 06:51-08:05/74 21:34	06:43 07:31-08:01/30 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	05:00 05:57-07:46/109 22:16	05:47 06:52-08:07/75 21:32	06:45 07:33-07:59/26 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	05:01 05:58-07:47/109 22:15	05:49 06:52-08:08/76 21:30	06:47 07:35-07:54/19 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	05:02 05:58-07:47/109 22:15	05:50 06:53-08:09/76 21:28	06:49 07:40-07:49/9 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	05:03 05:58-07:47/109 22:14	05:52 06:55-08:11/76 21:26	06:51 20:12	07:48 18:54	07:51 16:43	08:46 16:05
9	05:04 05:58-07:47/109 22:13	05:54 06:55-08:11/76 21:24	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	05:05 05:58-07:48/110 22:12	05:56 06:57-08:12/75 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	05:07 05:59-07:49/110 22:11	05:58 06:59-08:13/74 21:19	06:57 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	05:08 06:00-07:49/109 22:10	06:00 07:01-08:14/73 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:51 16:04
13	05:09 06:00-07:49/109 22:09	06:02 07:03-08:13/70 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	05:11 06:00-07:49/109 22:08	06:04 07:06-07:25/19 21:13	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	05:12 06:00-07:49/109 22:07	06:05 07:13-07:18/5 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	05:13 06:01-07:49/108 22:05	06:07 07:27-08:15/48 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:55 16:04
17	05:15 06:01-07:49/108 22:04	06:09 07:25-08:15/50 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	05:16 06:01-07:49/108 22:03	06:11 07:25-08:15/50 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	05:18 06:02-07:49/107 22:01	06:13 07:25-08:15/50 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	05:19 06:02-07:49/107 22:00	06:15 07:25-08:15/50 20:59	07:14 19:40	08:12 18:25	08:15 16:23	08:58 16:04
21	05:21 06:04-07:50/106 21:59	06:17 07:25-08:15/50 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	05:22 06:04-07:49/105 21:57	06:19 07:24-08:14/50 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	05:24 06:05-06:31/26 21:55	06:21 07:24-08:14/50 20:52	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	05:26 06:06-06:30/24 21:54	06:23 07:24-08:14/50 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	05:27 06:07-06:29/22 21:52	06:24 07:24-08:14/50 20:47	07:23 19:28	07:22 17:13	08:25 16:16	09:00 16:07
26	05:29 06:08-06:27/19 21:51	06:26 07:25-08:13/48 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	05:31 06:10-06:26/16 21:49	06:28 07:24-08:12/48 20:42	07:27 19:22	07:26 17:09	08:28 16:14	09:01 16:09
28	05:32 06:12-06:23/11 21:47	06:30 07:25-08:11/46 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	05:34 06:47-07:48/61 21:45	06:32 07:25-08:10/45 20:37	07:31 19:17	07:30 17:04	08:32 16:12	09:01 16:10
30	05:36 06:48-07:47/59 21:43	06:34 07:26-08:09/43 20:34	07:33 19:15	07:32 17:02	08:33 16:11	09:01 16:11
31	05:38 06:48-07:46/58 21:42	06:36 07:27-08:08/41 20:32	07:35 19:13	07:35 17:00	09:01 16:10	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	3095	2062	194	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilē / r.survile@infraplanas.lt
Calculated:
2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 5 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains start and end times for shadow calculations. Summary rows at the bottom show potential sun hours and sum of minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) **WTG: 5** - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December	
1	04:57 21:16-21:39/23	05:40	06:38	07:35	07:37	08:35	
	22:18 05:39-05:56/17	21:40	20:29	19:12	16:58	16:10	
2	04:57 21:17-21:39/22	05:41	06:40	07:37	07:39	08:37	
	22:18 05:40-05:56/16	21:38	20:27	19:10	16:56	16:09	
3	04:58 21:17-21:40/23	05:43	06:42	07:38	08:26-08:34/8	07:41	08:38
	22:17 05:42-05:55/13	21:36	20:24	19:07	16:54	16:08	
4	04:59 21:17-21:38/21	05:45	06:43	07:40	08:24-08:36/12	07:43	08:40
	22:17 05:43-05:54/11	21:34	20:22	19:04	16:51	16:07	
5	05:00 21:17-21:38/21	05:47	06:45	07:42	08:22-08:37/15	07:45	08:41
	22:16 05:44-05:52/8	21:32	20:19	19:02	16:49	16:07	
6	05:01 21:17-21:38/21	05:49	06:47	07:44	08:21-08:38/17	07:47	08:43
	22:15 05:48-05:49/1	21:30	20:17	18:59	16:47	16:06	
7	05:02 21:18-21:37/19	05:51	06:49	07:46	08:20-08:44/24	07:49	08:44
	22:15	21:28	20:14	18:57	16:45	16:06	
8	05:03 21:18-21:36/18	05:52	06:51	07:48	08:19-08:46/27	07:51	08:46
	22:14	21:26	20:12	18:54	16:44	16:05	
9	05:04 21:18-21:35/17	05:54	06:53	07:50	08:19-08:48/29	07:53	08:47
	22:13	21:24	20:09	18:52	16:42	16:05	
10	05:06 21:19-21:35/16	05:56	06:55	07:52	08:20-08:48/28	07:55	08:48
	22:12	21:21	20:06	18:49	16:40	16:04	
11	05:07 21:19-21:34/15	05:58	06:57	07:54	08:22-08:49/27	07:57	08:49
	22:11	21:19	20:04	18:47	16:38	16:04	
12	05:08 21:20-21:34/14	06:00	06:59	07:56	08:24-08:49/25	07:59	08:51
	22:10	21:17	20:01	18:44	16:36	16:04	
13	05:09 21:20-21:33/13	06:02	07:00	07:58	08:26-08:48/22	08:01	08:52
	22:09	21:15	19:59	18:42	16:34	16:04	
14	05:11 21:21-21:31/10	06:04	07:02	08:00	08:28-08:48/20	08:03	08:53
	22:08	21:13	19:56	18:39	16:33	16:04	
15	05:12 21:21-21:30/9	06:06	07:04	08:02	08:31-08:48/17	08:05	08:54
	22:07	21:10	19:54	18:37	16:31	16:04	
16	05:13 21:22-21:30/8	06:07	07:06	08:04	08:33-08:47/14	08:07	08:55
	22:05	21:08	19:51	18:34	16:29	16:04	
17	05:15 21:23-21:28/5	06:09	07:08	08:06	08:35-08:46/11	08:09	08:56
	22:04	21:06	19:48	18:32	16:28	16:04	
18	05:16 21:24-21:27/3	06:11	07:10	08:08	08:37-08:45/8	08:11	08:56
	22:03	21:03	19:46	18:30	16:26	16:04	
19	05:18	06:13	07:12	08:10	08:39-08:42/3	08:13	08:57
	22:02	21:01	19:43	18:27	16:24	16:04	
20	05:19	06:15	07:14	08:12	08:15	08:58	
	22:00	20:59	19:41	18:25	16:23	16:04	
21	05:21	06:17	07:16	08:14	08:17	08:58	
	21:59	20:56	19:38	18:22	16:22	16:05	
22	05:22	06:19	07:17	08:16	08:19	08:59	
	21:57	20:54	19:35	18:20	16:20	16:05	
23	05:24	06:21	07:19	08:18	08:21	08:59	
	21:56	20:52	19:33	18:18	16:19	16:06	
24	05:26	06:23	07:21	08:20	08:23	09:00	
	21:54	20:49	19:30	18:15	16:17	16:06	
25	05:27	06:24	07:23	07:22	08:25	09:00	
	21:52	20:47	19:28	17:13	16:16	16:07	
26	05:29	06:26	07:25	07:24	08:26	09:01	
	21:51	20:44	19:25	17:11	16:15	16:08	
27	05:31	06:28	07:27	07:26	08:28	09:01	
	21:49	20:42	19:22	17:09	16:14	16:09	
28	05:33	06:30	07:29	07:28	08:30	09:01	
	21:47	20:39	19:20	17:06	16:13	16:09	
29	05:34	06:32	07:31	07:30	08:32	09:01	
	21:45	20:37	19:17	17:04	16:12	16:10	
30	05:36	06:34	07:33	07:32	08:33	09:01	
	21:44	20:34	19:15	17:02	16:11	16:11	
31	05:38	06:36		07:35		09:01	
	21:42	20:32		17:00		16:12	
Potential sun hours	521	465	383	326	253	224	
Sum of minutes with flicker	344	0	0	307	0	0	

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Ėilutės r.

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Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01 16:14	08:27 17:08	07:26 08:39-10:58/139 18:07	07:08 10:23-11:33/70 20:09 07:54-09:12/78	05:55 06:41-08:20/99 21:08	05:02 06:31-07:40/69 22:02
2	09:00 16:15	08:25 17:10	07:24 08:38-10:58/140 18:09	07:05 10:23-11:30/67 20:11 07:51-09:12/81	05:53 06:40-08:18/98 21:10	05:00 06:31-07:39/68 22:03
3	09:00 16:16	08:24 17:12	07:22 08:38-10:59/141 18:11	07:03 10:25-11:28/63 20:13 07:48-09:12/84	05:50 06:39-08:16/97 21:12	05:00 06:31-07:38/67 22:05
4	09:00 16:17	08:22 17:14	07:19 08:37-10:59/142 18:13	07:00 10:26-11:24/58 20:15 07:46-09:11/85	05:48 06:38-08:14/96 21:14	04:59 06:32-07:38/66 22:06
5	08:59 16:19	08:20 17:16	07:17 08:38-10:59/141 18:15	07:00 10:26-11:22/54 20:17 07:43-09:11/88	05:46 06:37-08:13/96 21:16	04:58 06:32-07:36/64 22:07
6	08:59 16:20	08:18 17:19	07:14 08:37-10:59/142 18:17	06:55 10:29-11:18/49 20:19 07:40-09:10/90	05:44 06:37-08:11/94 21:18	04:57 06:32-07:35/63 22:08
7	08:58 16:21	08:16 10:11-10:13/2 17:21	07:12 08:38-11:00/142 18:19	06:52 10:32-11:14/42 20:21 07:39-09:10/91	05:42 06:36-08:10/94 21:20	04:56 06:33-07:34/61 22:09
8	08:58 16:23	08:14 10:01-10:24/23 17:23	07:09 08:38-10:59/141 18:21	06:50 10:34-11:09/35 20:23 07:36-09:09/93	05:40 06:35-08:08/93 21:22	04:55 06:32-07:33/61 22:10
9	08:57 16:24	08:12 09:57-10:29/32 17:25	07:07 08:37-10:59/142 18:24	06:47 10:39-11:04/25 20:25 07:33-09:09/96	05:38 06:35-08:07/92 21:24	04:55 06:33-07:32/59 22:11
10	08:56 16:26	08:10 09:53-10:32/39 17:27	07:04 08:38-10:59/141 18:26	06:45 10:47-10:52/5 20:27 07:30-09:07/97	05:36 06:34-08:05/91 21:26	04:54 06:33-07:31/58 22:12
11	08:56 16:28	08:08 09:50-10:35/45 17:29	07:02 08:38-10:58/140 18:28	06:42 07:29-09:07/98 20:29	05:34 06:33-08:03/90 21:28	04:54 06:33-07:31/58 22:13
12	08:55 16:29	08:06 09:03-09:15/12 17:31 09:48-10:38/50	06:59 08:39-10:59/140 18:30	06:40 07:27-09:06/99 20:31	05:32 06:33-08:02/89 21:29	04:53 06:34-07:32/58 22:14
13	08:54 16:31	08:03 08:59-09:20/21 17:33 09:46-10:40/54	06:56 08:40-10:58/138 18:32	06:37 07:23-09:05/102 20:33	05:30 06:32-08:00/88 21:31	04:53 06:34-07:31/57 22:15
14	08:53 16:33	08:01 08:55-09:22/27 17:36 09:43-10:42/59	06:54 08:41-10:58/137 18:34 07:42-07:55/13	06:35 07:21-09:04/103 20:35	05:28 06:31-07:59/88 21:33	04:53 06:34-07:31/57 22:15
15	08:52 16:34	07:59 08:53-09:25/32 17:38 09:42-10:44/62	06:51 08:41-10:57/136 18:36 07:37-07:59/22	06:32 07:19-09:02/103 20:37	05:26 06:32-07:58/86 21:35	04:52 06:34-07:32/58 22:16
16	08:51 16:36	07:57 08:51-09:27/36 17:40 09:40-10:46/66	06:49 08:42-10:56/134 18:38 07:33-08:01/28	06:30 07:17-09:01/104 20:39	05:25 06:31-07:56/85 21:37	04:52 06:35-07:32/57 22:17
17	08:50 16:38	07:55 08:49-09:28/39 17:42 09:38-10:47/69	06:46 08:44-10:56/132 18:40 07:31-08:04/33	06:27 07:14-09:00/106 20:41	05:23 06:30-07:54/84 21:38	04:52 06:35-07:32/57 22:17
18	08:49 16:40	07:52 08:48-09:30/42 17:44 09:37-10:49/72	06:44 08:45-10:55/130 18:42 07:29-08:05/36	06:25 07:11-08:58/107 20:43	05:21 06:30-07:53/83 21:40	04:52 06:35-07:32/57 22:18
19	08:47 16:42	07:50 08:47-09:31/44 17:46 09:36-10:50/74	06:41 08:48-09:15/27 07:27-08:07/40 18:44 09:18-10:54/96	06:23 07:10-08:56/106 20:45	05:19 06:30-07:52/82 21:42	04:52 06:36-07:32/56 22:18
20	08:46 16:44	07:48 08:45-09:32/47 17:48 09:34-10:51/77	06:39 08:51-09:11/20 07:24-08:08/44 18:46 09:18-10:53/95	06:20 06:59-08:55/116 20:47	05:18 06:30-07:51/81 21:44	04:52 06:36-07:32/56 22:18
21	08:45 16:46	07:45 08:44-10:52/128 17:50	06:36 08:56-09:04/8 07:21-08:08/47 18:48 09:17-10:52/95	06:18 06:54-08:52/118 20:49	05:16 06:30-07:51/81 21:45	04:52 06:36-07:33/57 22:19
22	08:43 16:47	07:43 08:43-10:53/130 17:53	06:33 09:18-10:51/93 18:50 07:19-08:10/51	06:15 06:52-08:50/118 20:51	05:15 06:30-07:49/79 21:47	04:52 06:36-07:32/56 22:19
23	08:42 16:49	07:41 08:42-10:54/132 17:55	06:31 09:18-10:49/91 18:52 07:17-08:10/53	06:13 06:50-08:47/117 20:53	05:13 06:30-07:48/78 21:49	04:52 06:37-07:33/56 22:19
24	08:41 16:51	07:38 08:41-10:55/134 17:57	06:28 09:19-10:49/90 18:54 07:14-08:11/57	06:11 06:48-08:43/115 20:55	05:12 06:30-07:47/77 21:50	04:53 06:36-07:33/57 22:19
25	08:39 16:53	07:36 08:41-10:56/135 17:59	06:26 09:19-10:47/88 18:55 07:11-08:11/60	06:08 08:31-08:35/4 20:57 06:46-08:30/104	05:10 06:29-07:45/76 21:52	04:53 06:37-07:34/57 22:19
26	08:37 16:55	07:34 08:39-10:56/137 18:01	06:23 09:18-10:45/87 18:57 07:08-08:10/62	06:06 06:45-08:29/104 20:59	05:09 06:30-07:44/74 21:53	04:54 06:37-07:34/57 22:19
27	08:36 16:58	07:31 08:39-10:57/138 18:03	06:21 09:19-10:44/85 18:59 07:07-08:11/64	06:04 06:44-08:27/103 21:01	05:07 06:30-07:44/74 21:55	04:54 06:37-07:34/57 22:19
28	08:34 17:00	07:29 08:38-10:57/139 18:05	06:18 09:20-10:42/82 19:01 07:04-08:11/67	06:01 06:43-08:26/103 21:03	05:06 06:30-07:43/73 21:56	04:55 06:37-07:35/58 22:19
29	08:33 17:02		07:15 10:21-11:40/79 20:03 08:01-09:12/71	05:59 06:43-08:24/101 21:04	05:05 06:30-07:42/72 21:58	04:55 06:38-07:35/57 22:18
30	08:31 17:04		07:13 10:21-11:38/77 20:05 07:58-09:12/74	05:57 06:42-08:22/100 21:06	05:04 06:31-07:42/71 21:59	04:56 06:37-07:35/58 22:18
31	08:29 17:06		07:10 10:22-11:36/74 20:07 07:57-09:12/75		05:03 06:31-07:41/70 22:01	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	0	2097	4582	3482	2631	1777

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūģeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE)WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,90 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains sun rise and set times for that day. Includes summary rows for 'Potential sun hours' and 'Sum of minutes with flicker' at the bottom.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) **WTG:** 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1	09:00	08:27 15:49-16:21/32	07:26 17:32-17:39/7	07:08	05:55	05:01
	16:14	17:08	18:07	20:09	21:08	22:02
2	09:00	08:25 15:48-16:21/33	07:24 17:28-17:41/13	07:05	05:52	05:00
	16:15	17:10	18:09	20:11	21:10	22:03
3	09:00	08:23 15:48-16:22/34	07:21 17:27-17:43/16	07:02	05:50	04:59
	16:16	17:12	18:11	20:13	21:12	22:04
4	08:59	08:22 15:48-16:22/34	07:19 17:25-17:45/20	07:00	05:48	04:59
	16:17	17:14	18:13	20:15	21:14	22:06
5	08:59	08:20 15:49-16:22/33	07:16 17:23-17:46/23	06:57	05:46	04:58
	16:19	17:16	18:15	20:17	21:16	22:07
6	08:59	08:18 15:49-16:23/34	07:14 17:23-17:47/24	06:55	05:44	04:57
	16:20	17:18	18:17	20:19	21:18	22:08
7	08:58	08:16 15:49-16:23/34	07:11 17:21-17:47/26	06:52	05:42	04:56
	16:21	17:21	18:19	20:21	21:20	22:09
8	08:58	08:14 15:50-16:23/33	07:09 17:21-17:48/27	06:50	05:40	04:55
	16:23	17:23	18:21	20:23	21:22	22:10
9	08:57	08:12 15:49-16:22/33	07:06 17:21-17:47/26	06:47	05:38	04:55
	16:24	17:25	18:23	20:25	21:24	22:11
10	08:56	08:10 15:50-16:21/31	07:04 17:21-17:48/27	06:45	05:36	04:54
	16:26	17:27	18:25	20:27	21:25	22:12
11	08:55	08:07 15:51-16:21/30	07:01 17:21-17:47/26	06:42	05:34	04:54
	16:28	17:29	18:27	20:29	21:27	22:13
12	08:55	08:05 15:52-16:21/29	06:59 17:20-17:46/26	06:40	05:32	04:53
	16:29	17:31	18:29	20:31	21:29	22:14
13	08:54	08:03 15:53-16:19/26	06:56 17:21-17:45/24	06:37	05:30	04:53
	16:31	17:33	18:31	20:33	21:31	22:14
14	08:53	08:01 15:54-16:18/24	06:54 17:22-17:44/22	06:35	05:28	04:53
	16:33	17:35	18:33	20:35	21:33	22:15
15	08:52	07:59 15:56-16:17/21	06:51 17:23-17:43/20	06:32	05:26	04:52
	16:34	17:38	18:35	20:37	21:35	22:16
16	08:51	07:57 15:58-16:14/16	06:49 17:25-17:40/15	06:30	05:25	04:52
	16:36	17:40	18:37	20:39	21:36	22:16
17	08:50	07:54 16:01-16:11/10	06:46 17:27-17:37/10	06:27	05:23	04:52
	16:38	17:42	18:39	20:41	21:38	22:17
18	08:48	07:52 17:40	06:44	06:25	05:21	04:52
	16:40	17:44	18:41	20:43	21:40	22:17
19	08:47	07:50	06:41	06:22	05:19	04:52
	16:42	17:46	18:43	20:45	21:42	22:18
20	08:46	07:48	06:38	06:20	05:18	04:52
	16:44	17:48	18:45	20:47	21:43	22:18
21	08:45	07:45	06:36	06:18	05:16	04:52
	16:45	17:50	18:47	20:49	21:45	22:18
22	08:43 15:58-16:08/10	07:43	06:33	06:15	05:15	04:52
	16:47	17:52	18:49	20:51	21:47	22:18
23	08:42 15:55-16:10/15	07:41	06:31	06:13	05:13	04:52
	16:49	17:54	18:51	20:52	21:48	22:19
24	08:40 15:54-16:12/18	07:38	06:28	06:11	05:12	04:53
	16:51	17:57	18:53	20:54	21:50	22:19
25	08:39 15:53-16:15/22	07:36	06:26	06:08	05:10	04:53
	16:53	17:59	18:55	20:56	21:52	22:19
26	08:37 15:52-16:16/24	07:33	06:23	06:06	05:09	04:54
	16:55	18:01	18:57	20:58	21:53	22:19
27	08:36 15:51-16:17/26	07:31	06:20	06:04	05:07	04:54
	16:57	18:03	18:59	21:00	21:55	22:19
28	08:34 15:50-16:18/28	07:29	06:18	06:01	05:06	04:55
	16:59	18:05	19:01	21:02	21:56	22:18
29	08:32 15:50-16:19/29		07:15	05:59	05:05	04:55
	17:02		20:03	21:04	21:58	22:18
30	08:31 15:49-16:19/30		07:13	05:57	05:04	04:56
	17:04		20:05	21:06	21:59	22:18
31	08:29 15:49-16:20/31		07:10		05:03	
	17:06		20:07		22:00	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	233	487	352	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Inovacijy k. 3, Biruliskiy k.,

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+8 621 66746

Raminta Survilē / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) **WTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,90	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time

0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December
1	04:57	05:39	06:37	07:34 18:01-18:25/24	07:36 15:20-15:51/31	08:35
	22:17	21:39	20:29	19:12	16:57	16:10
2	04:57	05:41	06:39	07:36 18:00-18:26/26	07:38 15:19-15:51/32	08:36
	22:17	21:37	20:26	19:09	16:55	16:09
3	04:58	05:43	06:41	07:38 17:59-18:26/27	07:40 15:19-15:52/33	08:38
	22:17	21:35	20:24	19:07	16:53	16:08
4	04:59	05:45	06:43	07:40 17:59-18:25/26	07:42 15:19-15:52/33	08:39
	22:16	21:33	20:21	19:04	16:51	16:07
5	05:00	05:47	06:45	07:42 17:57-18:24/27	07:44 15:19-15:52/33	08:41
	22:15	21:31	20:19	19:01	16:49	16:07
6	05:01	05:48	06:47	07:44 17:57-18:23/26	07:46 15:18-15:52/34	08:42
	22:15	21:29	20:16	18:59	16:47	16:06
7	05:02	05:50	06:49	07:46 17:57-18:23/26	07:49 15:19-15:53/34	08:44
	22:14	21:27	20:14	18:56	16:45	16:05
8	05:03	05:52	06:51	07:48 17:59-18:23/24	07:51 15:19-15:52/33	08:45
	22:13	21:25	20:11	18:54	16:43	16:05
9	05:04	05:54	06:53	07:50 17:59-18:22/23	07:53 15:19-15:52/33	08:46
	22:12	21:23	20:09	18:51	16:41	16:04
10	05:05	05:56	06:54	07:52 18:00-18:19/19	07:55 15:19-15:51/32	08:48
	22:11	21:21	20:06	18:49	16:39	16:04
11	05:07	05:58	06:56	07:54 18:01-18:16/15	07:57 15:21-15:52/31	08:49
	22:11	21:19	20:03	18:46	16:38	16:04
12	05:08	06:00	06:58	07:56 18:03-18:14/11	07:59 15:21-15:51/30	08:50
	22:09	21:17	20:01	18:44	16:36	16:04
13	05:09	06:01	07:00	07:58	08:01 15:22-15:50/28	08:51
	22:08	21:14	19:58	18:41	16:34	16:03
14	05:10	06:03	07:02	08:00	08:03 15:22-15:50/28	08:52
	22:07	21:12	19:56	18:39	16:32	16:03
15	05:12	06:05	07:04	08:02	08:05 15:24-15:50/26	08:53
	22:06	21:10	19:53	18:37	16:31	16:03
16	05:13	06:07	07:06	08:04	08:07 15:25-15:49/24	08:54
	22:05	21:08	19:50	18:34	16:29	16:03
17	05:15	06:09	07:08	08:06	08:09 15:26-15:48/22	08:55
	22:04	21:05	19:48	18:32	16:27	16:03
18	05:16	06:11	07:09	08:08	08:11 15:28-15:46/18	08:56
	22:02	21:03	19:45	18:29	16:26	16:04
19	05:18	06:13	07:11	08:10	08:13 15:29-15:44/15	08:56
	22:01	21:01	19:43	18:27	16:24	16:04
20	05:19	06:15	07:13	08:12	08:15 15:33-15:43/10	08:57
	22:00	20:58	19:40	18:24	16:23	16:04
21	05:21	06:17	07:15	08:14	08:17	08:58
	21:58	20:56	19:38	18:22	16:21	16:05
22	05:22	06:18	07:17	08:16	08:19	08:58
	21:57	20:53	19:35	18:20	16:20	16:05
23	05:24	06:20	07:19	08:18	08:20	08:59
	21:55	20:51	19:32	18:17	16:19	16:06
24	05:25	06:22	07:21	08:20	08:22	08:59
	21:53	20:49	19:30	18:15	16:17	16:06
25	05:27	06:24	07:23	07:22 15:30-15:42/12	08:24	09:00
	21:52	20:46	19:27	17:13	16:16	16:07
26	05:29	06:26	07:25 18:11-18:18/7	07:24 15:28-15:45/17	08:26	09:00
	21:50	20:44	19:25	17:11	16:15	16:08
27	05:31	06:28	07:27 18:07-18:21/14	07:26 15:25-15:47/22	08:28	09:00
	21:48	20:41	19:22	17:08	16:14	16:08
28	05:32	06:30	07:28 18:05-18:23/18	07:28 15:23-15:48/25	08:29	09:00
	21:47	20:39	19:19	17:06	16:13	16:09
29	05:34	06:32	07:30 18:03-18:24/21	07:30 15:22-15:49/27	08:31	09:00
	21:45	20:36	19:17	17:04	16:12	16:10
30	05:36	06:34	07:32 18:02-18:25/23	07:32 15:22-15:50/28	08:33	09:00
	21:43	20:34	19:14	17:02	16:11	16:11
31	05:38	06:36		07:34 15:21-15:51/30		09:00
	21:41	20:31		17:00		16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	0	0	83	435	560	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektrinīo (Īilutēs raj. sav. Usēno ir Juknaiēno sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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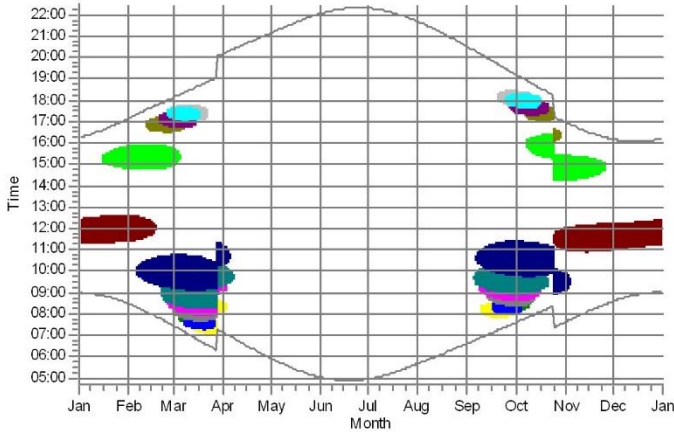
Calculated:

2021.12.03 11:15/3.5.552

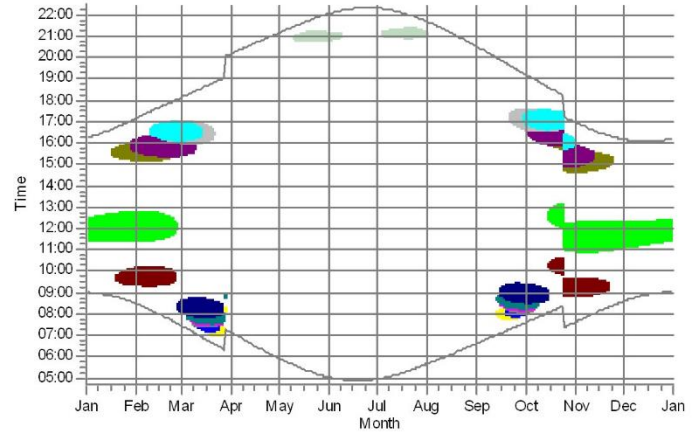
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 (be 6 VE)

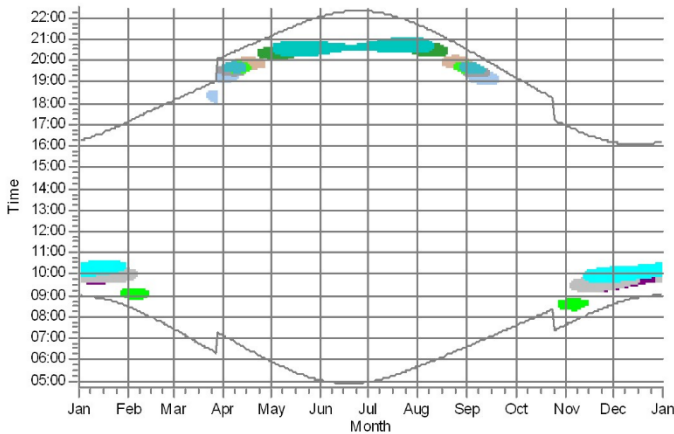
1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)



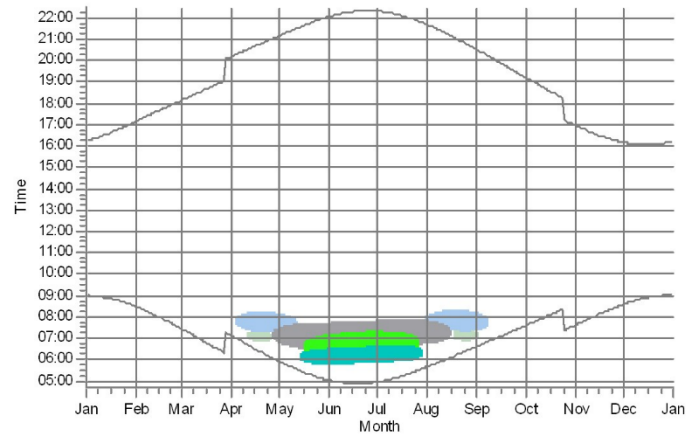
2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)



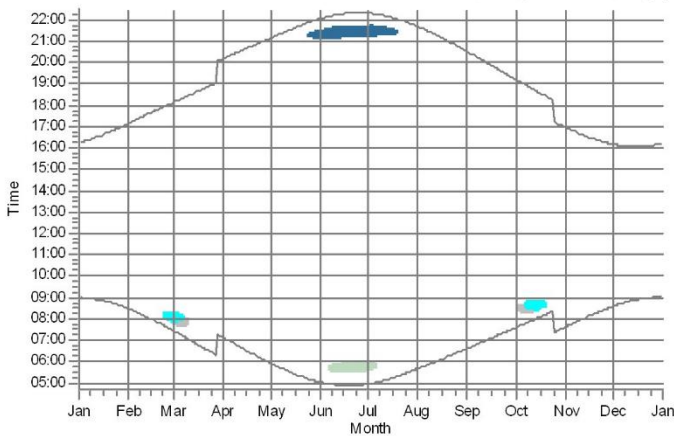
3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)



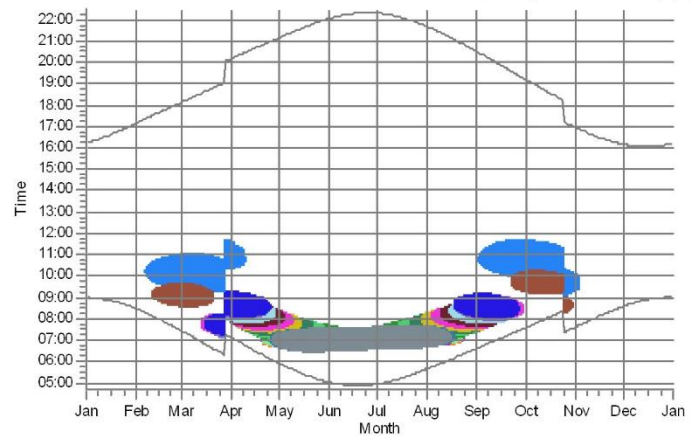
4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)



5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)



6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)



Shadow receptors

A: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)
B: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63)
C: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
D: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)
E: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)
F: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)
G: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68)
H: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)
I: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)
J: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)
K: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)
L: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)
M: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (74)

O: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
P: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)
Q: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)
R: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79)
S: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)
T: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
U: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)
V: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83)
W: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84)
X: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)
Y: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)
Z: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)
AA: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)

AC: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)
AD: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)
AE: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92)
AF: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)
AG: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)
AH: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)
AI: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96)
AJ: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97)
AK: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
AL: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)
AM: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)
AN: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīo (Ģilutēs raj. sav. Usēno ir Juknaiēno sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

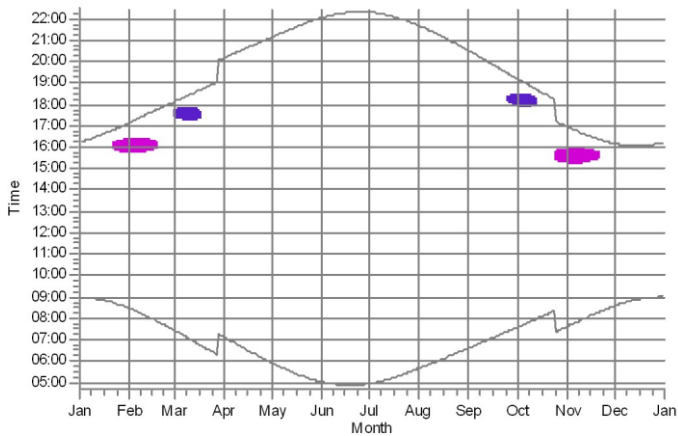
Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 (be 6 VE)

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)



Shadow receptors

AD: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)

AP: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)

Project:

8 VE Īilutės r.

Description:

Vėjo elektrinių (Īilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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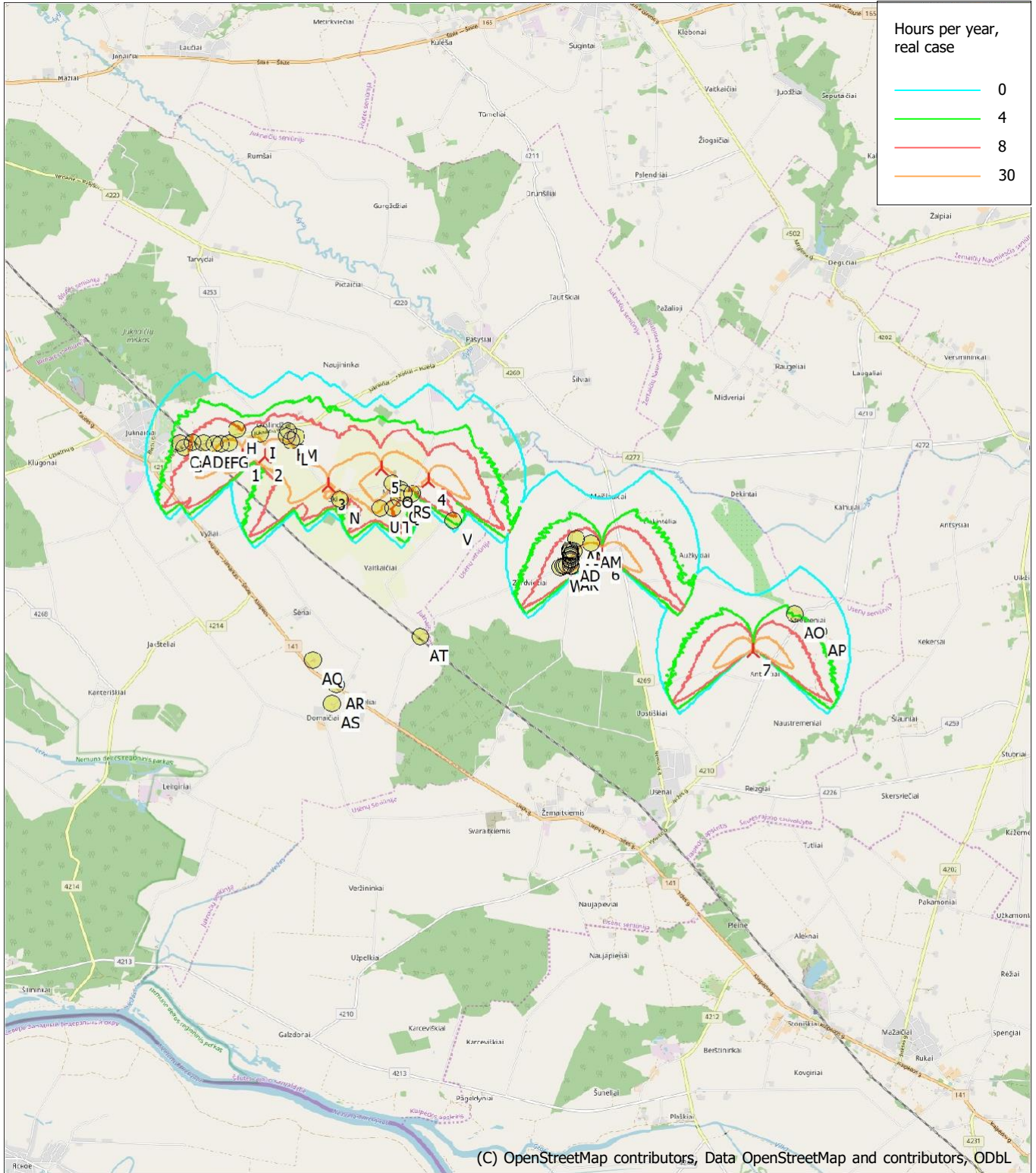
Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:15/3.5.552

SHADOW - Map

Calculation: Enercon E138 (be 6 VE)



0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:100.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.580 North: 6.127.900

New WTG

Shadow receptor

Flicker map level: Height Contours: CONTOURLINE_8 VE Īilutės r_0.wpo (1)

Time step: 3 minutes, Day step: 7 days, Map resolution: 20 m, Visibility resolution: 10 m, Eye height: 1,5 m

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.52

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE) Shut down

Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

3 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

Flicker curtailment according to specified plan

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Height Contours: CONTOURLINE_8 VE Ėilutės r_0.wpo

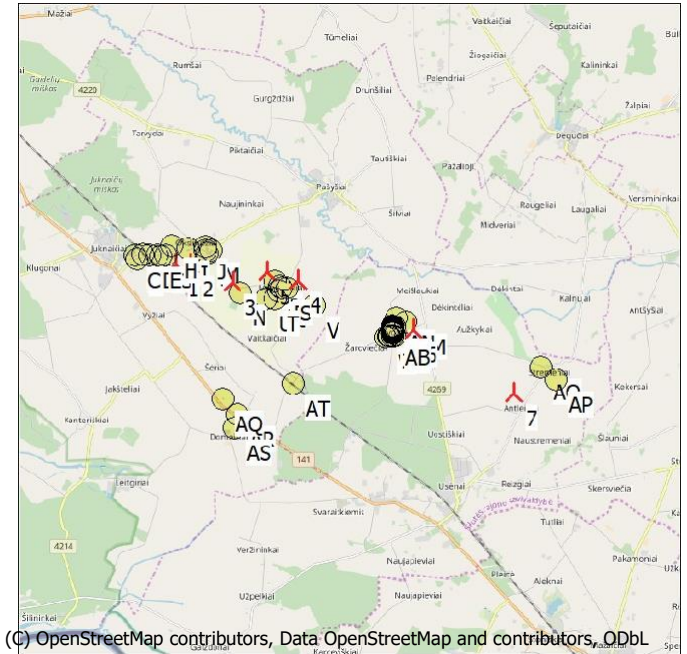
Obstacles used in calculation

Receptor grid resolution: 1,0 m

All coordinates are in

Lithuanian TM LKS94-LKS94 (LT)

WTGs



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

Scale 1:200.000

New WTG

Shadow receptor

Y	X	Z	Row data/Description	WTG type			Shadow data					
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM [RPM]	
			[m]									
1	347.959	6.130.426	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
2	348.347	6.130.399	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
3	349.441	6.129.870	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
4	351.193	6.129.888	14,5	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
5	350.375	6.130.124	10,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
6	354.189	6.128.475	20,0	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0
7	356.778	6.126.724	19,1	ENERCON E-138 EP3 E2 4200 1...	Yes	ENERCON	E-138 EP3 E2-4.200	4.200	138,3	130,3	1.681	13,0

Shadow receptor-Input

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
A	347.094	6.130.693	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
B	346.953	6.130.603	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
C	346.888	6.130.681	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
D	347.290	6.130.678	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
E	347.483	6.130.653	10,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
F	347.592	6.130.646	10,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
G	347.734	6.130.663	11,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
H	347.883	6.130.901	13,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
I	348.287	6.130.811	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
J	348.782	6.130.851	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
K	348.756	6.130.753	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
L	348.822	6.130.676	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
M	348.913	6.130.737	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
N	349.644	6.129.613	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
O	350.562	6.129.862	10,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
P	350.707	6.129.756	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Q	350.664	6.129.608	12,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
R	350.753	6.129.689	12,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
S	350.909	6.129.678	13,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
T	350.561	6.129.434	11,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0

To be continued on next page...

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE) Shut down

...continued from previous page

No.	Y	X	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[°]		[m]
U	350.332	6.129.441	10,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
V	351.604	6.129.188	16,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
W	353.453	6.128.301	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
X	353.509	6.128.319	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Y	353.532	6.128.326	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Z	353.556	6.128.333	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AA	353.630	6.128.393	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AB	353.629	6.128.419	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AC	353.628	6.128.442	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AD	353.629	6.128.469	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AE	353.629	6.128.493	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AF	353.629	6.128.519	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AG	353.628	6.128.547	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AH	353.629	6.128.576	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AI	353.627	6.128.607	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AJ	353.687	6.128.582	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AK	353.621	6.128.318	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AL	353.662	6.128.322	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AM	353.996	6.128.697	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AN	353.751	6.128.788	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AO	357.524	6.127.357	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AP	357.932	6.127.034	20,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AQ	349.081	6.126.826	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AR	349.464	6.126.383	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AS	349.383	6.126.053	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AT	350.960	6.127.173	10,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0

Calculation Results

Shadow receptor

Shadow, expected values

No.	Shadow hours per year [h/year]	Avoided hours per year [h/year]
A*	3:43	5:20
AA*	4:23	34:33
AB*	5:27	28:40
AC*	5:38	25:31
AD*	5:46	22:51
AE*	5:16	21:06
AF*	4:30	19:39
AG*	3:48	18:23
AH*	4:29	16:00
AI*	5:38	13:07
AJ*	4:28	20:27
AK*	1:01	42:34
AL*	0:59	44:58
AM*	6:29	29:59
AN*	2:52	12:00
AO*	2:34	1:05
AP	3:46	
AQ	0:00	
AR	0:00	
AS	0:00	
AT	0:00	
B*	3:45	2:52
C*	3:57	1:54
D*	1:45	12:44
E*	5:26	19:33
F*	7:47	26:40
G*	5:29	38:06
H*	3:00	7:48
I*	4:41	12:28
J*	4:14	11:40

To be continued on next page...

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Main Result

Calculation: Enercon E138 (be 6 VE) Shut down

...continued from previous page

Shadow, expected values

No.	Shadow hours per year [h/year]	Avoided hours per year [h/year]
K*	3:52	17:48
L*	3:52	22:32
M*	4:06	15:59
N*	4:52	8:22
O*	7:10	20:50
P*	7:57	46:21
Q*	2:21	19:32
R*	2:15	27:40
S*	0:50	2:07
T*	0:14	7:27
U*	1:33	32:49
V*	4:35	1:50
W*	2:15	18:55
X*	2:00	24:16
Y*	1:56	27:11
Z*	1:53	31:27

* Receptors where shadow flicker is reduced by curtailment

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Stopped due to flicker curtailment [h/year]	Expected [h/year]
1	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)	158:11	353:39	23:40
2	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)	99:08	308:56	8:39
3	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)	96:42	72:03	13:45
4	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)	38:58	172:29	17:56
5	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)	15:46	19:05	6:13
6	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)	90:24	380:13	27:31
7	ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)	26:53	8:57	6:20

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

The calculation of the total expected values for a given receptor assumes a weighted average directional reduction for all WTGs contributing to shadow flicker within the same day. In the case where shadow flicker from different WTGs is not concurrent within the day, the total expected time at a given receptor may deviate marginally from the individual flicker time caused by each turbine separately.

Project:

8 VE Ėilutės r.

Description:

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: A - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes a summary row at the bottom for 'Total, worst case'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinīo (Ģilutēs raj. sav. Usēno ir Juknaiēio sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: B - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01	08:28	07:27	07:08	05:55	05:02	04:57	05:40	06:38	07:35	07:37	08:35
	16:14	17:08	18:08	20:10	21:09	22:03	22:18	21:40	20:30	19:12	16:58	16:10
2	09:01	08:26	07:24	07:06	05:53	05:01	04:58	05:42	06:40	07:37	07:39	08:37
	16:15	17:10	18:10	20:12	21:11	22:04	22:18	21:38	20:27	19:10	16:56	16:09
3	09:01	08:24	07:22	07:03	05:51	05:00	04:59	05:43	06:42	07:39	07:41	08:39
	16:16	17:13	18:12	20:14	21:13	22:05	22:17	21:36	20:25	19:07	16:54	16:08
4	09:00	08:22	07:20	07:00	05:49	04:59	04:59	05:45	06:44	07:41	07:43	08:40
	16:18	17:15	18:14	20:16	21:15	22:06	22:17	21:34	20:22	19:05	16:52	16:08
5	09:00	08:20	07:17	06:58	05:46	04:58	05:00	05:47	06:46	07:43	07:45	08:42
	16:19	17:17	18:16	20:18	21:17	22:08	22:16	21:32	20:19	19:02	16:50	16:07
6	08:59	08:18	07:15	06:55	05:44	04:57	05:01	05:49	06:47	07:45	07:47	08:43
	16:20	17:19	18:18	20:20	21:19	22:09	22:16	21:30	20:17	19:00	16:48	16:06
7	08:59	08:16	07:12	06:53	05:42	04:57	05:02	05:51	06:49	07:46	07:49	08:44
	16:22	17:21	18:20	20:22	21:21	22:10	22:15	21:28	20:14	18:57	16:46	16:06
8	08:58	08:14	07:10	06:50	05:40	04:56	05:03	05:53	06:51	07:48	07:51	08:46
	16:23	17:23	18:22	20:24	21:22	22:11	22:14	21:26	20:12	18:54	16:44	16:05
9	08:58	08:12	07:07	06:48	05:38	04:55	05:05	05:54	06:53	07:50	07:53	08:47
	16:25	17:25	18:24	20:26	21:24	22:12	22:13	21:24	20:09	18:52	16:42	16:05
10	08:57	08:10	07:05	06:45	05:36	04:55	05:06	05:56	06:55	08:07 (1)	07:52	07:55
	16:26	17:27	18:26	20:28	21:26	22:13	22:12	21:22	20:07	18:51 (1)	18:49	16:40
11	08:56	08:08	07:02	06:43	05:34	04:54	05:07	05:58	06:57	08:04 (1)	07:54	07:57
	16:28	17:30	18:28	20:30	21:28	22:14	22:11	21:19	20:04	18:21 (1)	18:47	16:38
12	08:55	08:06	06:59	06:40	05:32	04:54	05:08	06:00	06:59	08:02 (1)	07:56	08:00
	16:30	17:32	18:30	20:31	21:30	22:14	22:10	21:17	20:01	18:23 (1)	18:44	16:36
13	08:54	08:04	06:57	06:38	05:30	04:53	05:09	06:02	07:01	07:59 (1)	07:58	08:02
	16:31	17:34	18:32	20:33	21:32	22:15	22:09	21:15	19:59	18:23 (1)	18:42	16:34
14	08:53	08:02	06:54	06:35	05:29	04:53	05:11	06:04	07:03	07:58 (1)	08:00	08:04
	16:33	17:36	18:34	20:35	21:34	22:16	22:08	21:13	19:56	18:24 (1)	18:40	16:33
15	08:52	08:00	06:52	07:18 (1)	06:33	05:27	04:53	05:12	06:06	07:04	08:02	08:06
	16:35	17:38	18:36	07:32 (1)	20:37	21:35	22:17	22:07	21:11	19:54	18:37	16:31
16	08:51	07:57	06:49	07:16 (1)	06:30	05:25	04:52	05:14	06:08	07:06	08:04	08:08
	16:37	17:40	18:38	07:20 (1)	20:39	21:37	22:17	22:06	21:08	19:51	18:35	16:29
17	08:50	07:55	06:47	07:13 (1)	06:28	05:23	04:52	05:15	06:09	07:08	07:51 (2)	08:06
	16:38	17:42	18:40	07:16 (1)	20:41	21:39	22:18	22:04	21:06	19:49	18:32	16:28
18	08:49	07:53	06:44	07:12 (1)	06:25	05:21	04:52	05:16	06:11	07:10	08:08	08:12
	16:40	17:44	18:42	07:15 (1)	20:43	21:41	22:18	22:03	21:04	19:46	18:26 (1)	18:30
19	08:48	07:51	06:42	07:11 (1)	06:23	05:20	04:52	05:18	06:13	07:12	07:48 (2)	08:10
	16:42	17:47	18:44	07:13 (1)	20:45	21:43	22:18	22:02	21:01	19:43	18:25 (1)	18:27
20	08:47	07:48	06:39	07:03 (2)	06:21	05:18	04:52	05:20	06:15	07:14	07:48 (2)	08:12
	16:44	17:49	18:46	07:11 (1)	20:47	21:44	22:19	22:00	20:59	19:41	18:24 (1)	18:25
21	08:45	07:46	06:36	07:09 (1)	06:18	05:17	04:52	05:21	06:17	07:16	07:47 (2)	08:14
	16:46	17:51	18:48	07:10 (1)	20:49	21:46	22:19	21:59	20:57	19:38	18:24 (1)	18:23
22	08:44	07:44	06:34	07:08 (1)	06:16	05:15	04:53	05:23	06:19	07:18	07:47 (2)	08:16
	16:48	17:53	18:50	07:09 (1)	20:51	21:48	22:19	21:57	20:54	19:36	18:23 (1)	18:20
23	08:43	07:41	06:31	07:08 (1)	06:13	05:13	04:53	05:24	06:21	07:20	07:47 (2)	08:18
	16:50	17:55	18:52	07:09 (1)	20:53	21:49	22:19	21:56	20:52	19:33	18:23 (1)	18:18
24	08:41	07:39	06:29	06:11	05:12	04:53	05:26	06:23	07:21	07:49 (2)	08:20	08:23
	16:52	17:57	18:54	06:11	20:55	21:51	22:20	21:54	20:49	19:30	18:22 (1)	18:16
25	08:40	07:37	06:26	07:06 (1)	06:09	05:11	04:53	05:28	06:25	07:23	07:51 (2)	07:22
	16:54	17:59	18:56	07:07 (1)	20:57	21:52	22:20	21:53	20:47	19:28	18:20 (1)	17:13
26	08:38	07:34	06:24	06:06	05:09	04:54	05:29	06:27	07:25	07:53 (2)	07:24	08:27
	16:56	18:01	18:58	06:06	20:59	21:54	22:20	21:51	20:44	19:25	18:19 (1)	17:11
27	08:36	07:32	06:21	06:04	05:08	04:54	05:31	06:28	07:27	07:55 (2)	07:27	08:28
	16:58	18:03	19:00	21:01	21:56	22:19	21:49	20:42	19:23	18:17 (1)	17:09	16:14
28	08:35	07:29	06:18	06:02	05:07	04:55	05:33	06:30	07:29	07:57 (2)	07:29	08:30
	17:00	18:05	19:02	21:03	21:57	22:19	21:47	20:40	19:20	18:15 (1)	17:07	16:13
29	08:33	07:26	06:16	06:00	05:05	04:56	05:34	06:32	07:31	08:01 (1)	07:31	08:32
	17:02	18:07	19:04	21:05	21:58	22:19	21:46	20:37	19:17	18:10 (1)	17:04	16:12
30	08:31	07:21	06:13	05:57	05:04	04:56	05:36	06:34	07:33	07:33	07:33	08:34
	17:04	18:09	19:06	21:07	22:00	22:19	21:44	20:35	19:15	17:02	17:02	16:11
31	08:30	07:11	06:05	05:53	05:03	04:56	05:38	06:36	07:35	07:35	07:35	09:01
	17:06	18:11	19:08	22:01	22:01	22:01	21:42	20:32	19:15	17:00	17:00	16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			27						551			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,99						0,99			
Total reduction			0,34						0,39			
Total, real			9						216			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: C - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPĖDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow start/end times, and reduction percentages. Includes a summary row at the bottom for 'Potential sun hours' and 'Total, worst case'.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm) / Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker / Last time (hh:mm) with flicker, and (WTG causing flicker first time) / (WTG causing flicker last time).

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: D - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:08		07:08 20:10	05:55 21:09	05:02 22:03	04:57 22:18	05:40 20:30	06:38 21:40		
2	09:01 16:15	08:26 17:10	07:24 18:10	12	08:05 (1) 08:17 (1)	07:06 20:12	05:53 21:11	05:01 22:04	04:58 20:27	05:42 21:38	26	08:44 (1) 16:58
3	09:01 16:16	08:24 17:12	07:22 18:12	10	08:00 (1) 08:20 (1)	07:03 20:14	05:51 21:13	05:00 22:05	04:58 20:25	05:43 21:36	27	08:07 (2) 07:39 08:44 (1) 16:56 08:08 (2) 07:41 08:39
4	09:00 16:18	08:22 17:15	07:20 18:14	6	07:58 (1) 08:04 (1)	07:00 20:16	05:49 21:15	04:59 22:06	04:59 21:34	05:45 20:22	27	08:45 (1) 16:54 08:09 (2) 07:43 08:40
5	09:00 16:19	08:20 17:17	07:17 18:16	5	07:55 (1) 08:00 (1)	06:58 20:18	05:46 21:17	04:58 22:08	05:00 21:32	05:47 20:19	27	08:46 (1) 16:52 08:11 (2) 07:45 08:42
6	08:59 16:20	08:18 17:19	07:15 18:18	4	07:54 (1) 07:58 (1)	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 20:17	27	08:46 (1) 16:50 08:14 (2) 07:47 08:43
7	08:59 16:22	08:16 17:21	07:12 18:20	6	07:41 (2) 07:55 (1)	06:53 20:22	05:42 21:21	04:56 22:10	05:02 21:28	05:51 20:14	20	08:47 (1) 16:48 08:28 (1) 07:49 08:44
8	08:58 16:23	08:14 17:23	07:10 18:22	9	07:35 (2) 07:53 (1)	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	06:51 21:26	20	08:48 (1) 16:46 08:29 (1) 07:51 08:46
9	08:58 16:25	08:12 17:25	07:07 18:24	6	07:33 (2) 07:52 (1)	06:48 20:26	05:38 21:24	04:55 22:12	05:05 22:13	06:53 21:24	19	08:49 (1) 16:44 08:31 (1) 07:53 08:47
10	08:57 16:26	08:10 17:27	07:05 18:26	5	07:30 (2) 07:50 (1)	06:45 20:28	05:36 21:26	04:55 22:13	05:06 22:12	06:55 20:07	19	08:50 (1) 16:42 08:33 (1) 07:55 08:48
11	08:56 16:28	08:08 17:30	07:02 18:28	5	07:29 (2) 07:50 (1)	06:43 20:29	05:34 21:28	04:54 22:14	05:07 22:11	06:57 20:04	17	08:51 (1) 16:40 08:35 (1) 07:57 08:50
12	08:55 16:30	08:06 17:32	06:59 18:30	3	07:28 (2) 07:48 (1)	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:59 20:01	5	08:52 (1) 16:38 08:41 (1) 07:59 08:51
13	08:54 16:31	08:04 17:34	06:57 18:32	3	07:27 (2) 07:48 (1)	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	07:01 19:59		08:02 16:34 08:04 08:53
14	08:53 16:33	08:02 17:36	06:54 18:34	2	07:26 (2) 07:47 (1)	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	07:02 19:56		08:00 16:33 08:06 08:54
15	08:52 16:35	08:00 17:38	06:52 18:36	2	07:25 (2) 07:46 (1)	06:33 20:37	05:27 21:35	04:53 22:17	05:12 22:07	07:04 19:54		08:02 16:31 08:06 08:54
16	08:51 16:37	07:57 17:40	06:49 18:38	1	07:45 (1) 07:46 (1)	06:30 20:39	05:25 21:37	04:52 22:17	05:14 22:06	07:06 19:51		08:04 16:29 08:08 08:55
17	08:50 16:38	07:55 17:42	06:47 18:40		06:28 20:41	05:23 21:39	04:52 22:18	05:15 22:04	06:09 21:06	07:08 19:49		08:06 16:28 08:10 08:56
18	08:49 16:40	07:53 17:44	06:44 18:42		06:25 20:43	05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:04	07:10 19:46		08:08 16:26 08:12 08:57
19	08:48 16:42	07:51 17:47	06:42 18:44		06:23 20:45	05:20 21:43	04:52 22:18	05:18 22:02	06:13 21:01	07:12 19:43		08:10 16:25 08:13 08:57
20	08:47 16:44	07:48 17:49	06:39 18:46		06:21 20:47	05:18 21:44	04:52 22:19	05:20 22:00	06:15 20:59	07:14 19:41		08:12 16:23 08:14 08:59
21	08:45 16:46	07:46 17:51	06:36 18:48		06:18 20:49	05:17 21:46	04:52 22:19	05:21 21:59	06:17 20:57	07:16 19:38		08:14 16:22 08:16 08:59
22	08:44 16:48	07:44 17:53	06:34 18:50		06:16 20:51	05:15 21:48	04:53 22:19	05:23 21:57	06:19 20:54	07:18 19:36		08:16 16:20 08:18 09:00
23	08:43 16:50	07:41 17:55	06:31 18:52		06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:56	06:21 20:52	07:20 19:33		08:18 16:19 08:20 09:00
24	08:41 16:52	07:39 17:57	06:29 18:54		06:11 20:55	05:12 21:51	04:53 22:20	05:26 21:54	06:23 20:49	07:21 19:30		08:20 16:18 08:22 09:00
25	08:40 16:54	07:37 17:59	06:26 18:56		06:09 20:57	05:11 21:52	04:53 22:20	05:28 21:53	06:25 20:47	07:23 19:28		08:22 16:16 08:25 09:00
26	08:38 16:56	07:34 18:01	06:24 18:58		06:06 20:59	05:09 21:54	04:54 22:19	05:29 21:51	06:27 20:44	07:25 19:25		08:24 16:15 08:27 09:01
27	08:36 16:58	07:32 18:03	06:21 19:00		06:04 21:01	05:08 21:56	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:23		08:28 16:14 08:30 09:01
28	08:35 17:00	07:29 18:05	06:18 19:02		06:02 21:03	05:07 21:57	04:55 22:19	05:33 21:47	06:30 20:40	07:29 19:20	1	08:07 (2) 17:09 08:08 (2) 16:13 08:06 (2) 07:31 16:10
29	08:33 17:02	07:16 18:04	06:11 19:02		06:00 21:05	05:05 21:58	04:56 22:19	05:34 21:46	06:32 20:37	07:31 19:17	1	08:06 (2) 17:04 08:26 (1) 16:12
30	08:31 17:04	07:13 18:06	06:06 19:06		05:57 21:07	05:04 22:00	04:56 22:19	05:36 21:44	06:34 20:35	07:33 19:15	2	08:06 (2) 17:02 08:27 (1) 16:11
31	08:30 17:06	07:11 18:08	06:01 19:08		05:03 22:01	05:03 22:01	05:38 21:42	06:36 20:32	07:35 19:08	07:35 17:00		09:01 16:13 09:01 224
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			79						8	261		
Sun reduction			0,34						0,40	0,31		
Oper. time red.			1,00						1,00	1,00		
Wind dir. red.			0,96						0,97	0,95		
Total reduction			0,33						0,38	0,29		
Total, real			26						3	77		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: E - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: F - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	08:31 (1) 09:19 (1)	07:08 20:10	05:55 21:09	05:02 22:03	04:57 22:18	05:40 21:40	06:38 20:30	07:35 19:12	07:37 16:58
2	09:01 16:15	08:26 17:10	07:24 18:10	08:30 (1) 09:18 (1)	07:05 20:12	05:53 21:11	05:01 22:04	04:58 22:18	05:42 21:38	06:40 20:27	07:37 19:10	07:39 16:56
3	09:01 16:16	08:24 17:12	07:22 18:12	08:28 (1) 09:17 (1)	07:03 20:14	05:51 21:13	05:00 22:05	04:58 22:17	05:43 21:36	06:42 20:25	07:39 19:07	07:41 16:54
4	09:00 16:18	08:22 17:15	07:20 18:14	08:28 (1) 09:17 (1)	07:00 20:16	05:49 21:15	04:59 22:06	04:59 22:17	05:45 21:34	06:44 20:22	07:41 19:05	07:43 16:52
5	09:00 16:19	08:20 17:17	07:17 18:16	07:51 (2) 09:15 (1)	06:58 20:18	05:46 21:17	04:58 22:08	05:00 22:16	05:47 21:32	06:45 20:19	07:43 19:02	07:45 16:50
6	08:59 16:20	08:18 17:19	07:15 18:18	07:49 (2) 09:15 (1)	06:55 20:20	05:44 21:19	04:57 22:09	05:01 22:16	05:49 21:30	06:47 20:17	07:44 18:59	07:47 16:48
7	08:59 16:22	08:16 17:21	07:12 18:20	07:46 (2) 09:14 (1)	06:53 20:22	05:42 21:20	04:56 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:46
8	08:58 16:23	08:14 17:23	07:10 18:22	07:47 (2) 09:13 (1)	06:50 20:24	05:40 21:22	04:56 22:11	05:03 22:14	05:53 21:26	06:51 20:12	07:48 18:54	07:51 16:44
9	08:58 16:25	08:12 17:25	07:07 18:24	07:52 (2) 09:13 (1)	06:48 20:26	05:38 21:24	04:55 22:12	05:05 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:42
10	08:57 16:26	08:10 17:27	07:04 18:26	07:54 (2) 09:12 (1)	06:45 20:28	05:36 21:26	04:55 22:12	05:06 22:12	05:56 21:22	06:55 20:07	07:52 18:49	07:55 16:40
11	08:56 16:28	08:08 17:30	07:02 18:28	07:56 (2) 09:12 (1)	06:43 20:29	05:34 21:28	04:54 22:14	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	07:57 16:38
12	08:55 16:30	08:06 17:32	06:59 18:30	08:34 (1) 09:11 (1)	06:40 20:31	05:32 21:30	04:54 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	07:59 16:36
13	08:54 16:31	08:04 17:34	06:57 18:32	08:35 (1) 09:11 (1)	06:38 20:33	05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:01 19:59	07:58 18:42	08:02 16:34
14	08:53 16:33	08:02 17:36	06:54 18:34	08:35 (1) 09:10 (1)	06:35 20:35	05:29 21:34	04:53 22:16	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:04 16:33
15	08:52 16:35	08:00 17:38	06:52 18:36	08:34 (1) 09:09 (1)	06:33 20:37	05:27 21:35	04:53 22:16	05:12 22:07	06:06 21:11	07:04 19:54	08:02 18:37	08:06 16:31
16	08:51 16:37	07:57 17:40	06:49 18:38	08:35 (1) 09:09 (1)	06:30 20:39	05:25 21:37	04:52 22:17	05:14 22:06	06:08 21:08	07:06 19:51	08:04 18:35	08:08 16:29
17	08:50 16:38	07:55 17:42	06:47 18:40	08:34 (1) 09:09 (1)	06:28 20:41	05:23 21:39	04:52 22:18	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:10 16:28
18	08:49 16:40	07:53 17:44	06:44 18:42	08:35 (1) 09:09 (1)	06:25 20:43	05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:04	07:10 19:46	08:08 18:30	08:12 16:26
19	08:48 16:42	07:51 17:47	06:42 18:44	08:34 (1) 09:08 (1)	06:23 20:45	05:20 21:42	04:52 22:18	05:18 22:02	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:25
20	08:47 16:44	07:48 17:49	06:39 18:46	08:33 (1) 09:08 (1)	06:21 20:47	05:18 21:44	04:52 22:19	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	08:15 16:23
21	08:45 16:46	07:46 17:51	06:36 18:48	08:33 (1) 09:08 (1)	06:18 20:49	05:17 21:46	04:52 22:19	05:21 21:59	06:17 20:57	07:16 19:38	08:14 18:23	08:17 16:22
22	08:44 16:48	07:44 17:53	06:34 18:50	08:32 (1) 09:09 (1)	06:16 20:51	05:15 21:48	04:53 22:19	05:23 21:57	06:19 20:54	07:18 19:36	08:16 18:20	08:19 16:20
23	08:42 16:50	07:41 17:55	06:31 18:52	08:32 (1) 09:13 (1)	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:56	06:21 20:52	07:19 19:33	08:18 18:18	08:21 16:19
24	08:41 16:52	07:39 17:57	06:29 18:54	08:42 (1) 09:16 (1)	06:29 20:55	06:11 21:51	04:53 22:19	05:26 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 16:18
25	08:40 16:54	07:37 17:59	06:26 18:56	08:39 (1) 09:18 (1)	06:26 20:57	05:11 21:52	04:53 22:20	05:28 21:53	06:25 20:47	07:23 19:28	08:22 17:13	08:25 16:16
26	08:38 16:56	07:34 18:01	06:23 18:58	08:37 (1) 09:21 (1)	06:23 20:59	05:09 21:54	04:54 22:19	05:29 21:51	06:27 20:44	07:25 19:25	08:24 17:11	08:27 16:15
27	08:36 16:58	07:32 18:03	06:21 19:00	08:35 (1) 09:22 (1)	06:21 21:00	05:08 21:56	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:23	08:27 17:09	08:28 16:14
28	08:35 17:00	07:29 18:05	06:18 19:02	08:33 (1) 09:24 (1)	06:18 21:02	05:06 21:57	04:55 22:19	05:33 21:47	06:30 20:40	07:29 19:20	08:29 17:07	08:30 16:13
29	08:33 17:02		06:16 20:04	08:48 (2) 09:24 (1)	06:00 21:05	05:05 21:58	04:55 22:19	05:34 21:46	06:32 20:37	07:31 19:17	08:31 17:04	08:32 16:12
30	08:31 17:04		06:13 20:06	09:22 (1) 10:10 (1)	05:57 21:07	05:04 22:00	04:56 22:19	05:36 21:44	06:34 20:35	07:33 19:15	08:33 17:02	08:34 16:11
31	08:30 17:06		06:11 20:08	09:22 (1) 10:09 (1)	05:57 21:07	05:03 22:01	04:56 22:19	05:38 21:42	06:36 20:32	07:35 17:00	08:35 16:11	09:01 16:13
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case		262	1362									
Sun reduction		0,25	0,34									
Oper. time red.		1,00	1,00									
Wind dir. red.		0,88	0,89									
Total reduction		0,22	0,30									
Total, real		56	411									

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: G - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time intervals (09:01 to 17:06). Includes a summary section at the bottom for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Āilutēs r.

Description:

Vējo elektrinī (Āilutēs raj. sav. Usēņo ir Juknaiēi sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: H - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPĒDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ģilutēs r.

Description:

Vējo elektrinī (Ģilutēs raj. sav. Usēņo ir Juknaiēi sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: I - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)
Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Table with 12 columns (Jan-Dec) and 3 rows of values: 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Main shadow calculation table with columns for months (January-December) and rows for time intervals (09:01-17:06) and summary rows (Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, Total, real).

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: J - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep October Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sunrise and sunset times, shadow receptor status, and potential sun hours. Includes summary rows for total, worst case, and reduction.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindbių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: K - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns (January to December) and multiple rows showing shadow calculations for each day, including sun rise/set times, shadow lengths, and reduction percentages.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** L - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	January	February	March	April	May	June
1 09:01	09:42 (3) 08:28	09:45 (3) 07:27	16:56 (2) 07:08	05:55	05:02	
16:14	13 09:55 (3) 17:08	25 10:10 (3) 18:07	1 16:57 (2) 20:10	21:09	22:03	
2 09:01	09:41 (3) 08:26	09:46 (3) 07:24	16:57 (2) 07:05	05:53	05:01	
16:15	15 09:56 (3) 17:10	24 10:10 (3) 18:09	2 17:36 (1) 20:12	21:11	22:04	
3 09:01	09:41 (3) 08:24	09:48 (3) 07:22	16:57 (2) 07:03	05:51	05:00	
16:16	16 09:57 (3) 17:12	21 10:09 (3) 18:12	4 17:38 (1) 20:14	21:13	22:05	
4 09:00	09:40 (3) 08:22	09:49 (3) 07:19	16:57 (2) 07:00	05:48	04:59	
16:18	18 09:58 (3) 17:15	19 10:08 (3) 18:14	4 17:40 (1) 20:16	21:15	22:06	
5 09:00	09:40 (3) 08:20	09:52 (3) 07:17	17:38 (1) 06:58	05:46	04:58	
16:19	20 10:00 (3) 17:17	14 10:06 (3) 18:16	3 17:41 (1) 20:18	21:17	22:08	
6 08:59	09:40 (3) 08:18	09:56 (3) 07:14	17:40 (1) 06:55	05:44	04:57	
16:20	21 10:01 (3) 17:19	6 10:02 (3) 18:18	2 17:42 (1) 20:20	21:18	22:09	
7 08:59	09:39 (3) 08:16	07:12	17:40 (1) 06:53	05:42	04:56	
16:22	22 10:01 (3) 17:21	18:20 (3) 18:20	3 17:43 (1) 20:22	21:20	22:10	
8 08:58	09:39 (3) 08:14	07:09	17:41 (1) 06:50	05:40	04:56	
16:23	23 10:02 (3) 17:23	18:22	2 17:43 (1) 20:23	21:22	22:11	
9 08:58	09:39 (3) 08:12	07:07	17:42 (1) 06:48	05:38	04:55	
16:25	24 10:03 (3) 17:25	18:24	1 17:43 (1) 20:25	21:24	22:12	
10 08:57	09:40 (3) 08:10	07:04	17:42 (1) 06:45	05:36	04:54	
16:26	25 10:05 (3) 17:27	18:26	1 17:43 (1) 20:27	21:26	22:13	
11 08:56	09:39 (3) 08:08	07:02	17:43 (1) 06:43	05:34	04:54	
16:28	26 10:05 (3) 17:29	18:28	1 17:44 (1) 20:29	21:28	22:14	
12 08:55	09:39 (3) 08:06	06:59	17:42 (1) 06:40	05:32	04:54	
16:29	27 10:06 (3) 17:32	18:30	1 17:43 (1) 20:31	21:30	22:14	
13 08:54	09:39 (3) 08:04	06:57	06:38	05:30	04:53	
16:31	28 10:07 (3) 17:34	18:32	20:33	21:32	22:15	
14 08:53	09:39 (3) 08:02	06:54	06:35	05:28	04:53	
16:33	29 10:08 (3) 17:36	18:34	20:35	21:34	22:16	
15 08:52	09:39 (3) 07:59	06:52	06:33	05:27	04:53	
16:35	30 10:09 (3) 17:38	18:36	20:37	21:35	22:16	
16 08:51	09:38 (3) 07:57	06:49	06:30	05:25	04:52	
16:36	31 10:09 (3) 17:40	18:38	20:39	21:37	22:17	
17 08:50	09:39 (3) 07:55	06:47	06:28	05:23	04:52	
16:38	31 10:10 (3) 17:42	18:40	20:41	21:39	22:18	
18 08:49	09:39 (3) 07:53	06:44	06:25	05:21	04:52	
16:40	32 10:11 (3) 17:44	18:42	20:43	21:41	22:18	
19 08:48	09:39 (3) 07:50	06:41	06:23	05:20	04:52	
16:42	32 10:11 (3) 17:46	18:44	20:45	21:42	22:18	
20 08:47	09:39 (3) 07:48	06:39	06:20	05:18	04:52	
16:44	33 10:12 (3) 17:49	18:46	20:47	21:44	22:19	
21 08:45	09:39 (3) 07:46	06:36	06:18	05:16	04:52	
16:46	33 10:12 (3) 17:51	18:48	20:49	21:46	22:19	
22 08:44	09:39 (3) 07:44	16:54 (2) 06:34	06:16	05:15	04:52	
16:48	33 10:12 (3) 17:53	1 16:55 (2) 18:50	20:51	21:47	22:19	
23 08:42	09:40 (3) 07:41	16:54 (2) 06:31	06:13	05:13	04:53	
16:50	33 10:13 (3) 17:55	1 16:55 (2) 18:52	20:53	21:49	22:19	
24 08:41	09:40 (3) 07:39	16:55 (2) 06:29	06:11	05:12	04:53	
16:52	33 10:13 (3) 17:57	1 16:56 (2) 18:54	20:55	21:51	22:19	
25 08:39	09:40 (3) 07:36	16:55 (2) 06:26	06:09	05:10	04:53	
16:54	33 10:13 (3) 17:59	1 16:56 (2) 18:56	20:57	21:52	22:19	
26 08:38	09:41 (3) 07:34	16:56 (2) 06:23	06:06	05:09	04:54	
16:56	33 10:14 (3) 18:01	1 16:57 (2) 18:58	20:59	21:54	22:19	
27 08:36	09:42 (3) 07:32	16:56 (2) 06:21	06:04	05:08	04:54	
16:58	32 10:14 (3) 18:03	1 16:57 (2) 19:00	21:01	21:55	22:19	
28 08:35	09:42 (3) 07:29	16:56 (2) 06:18	06:02	05:06	04:55	
17:00	31 10:13 (3) 18:05	2 16:58 (2) 19:02	21:03	21:57	22:19	
29 08:33	09:43 (3)	07:16	05:59	05:05	04:55	
17:02	30 10:13 (3)	20:04	21:05	21:58	22:19	
30 08:31	09:43 (3)	07:13	05:57	05:04	04:56	
17:04	29 10:12 (3)	20:06	21:07	22:00	22:19	
31 08:30	09:44 (3)	07:11		05:03		
17:06	28 10:12 (3)	20:08		22:01		
Potential sun hours	242	269	366	423	501	520
Total, worst case	844	117	25			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,64	0,66	0,93			
Total reduction	0,11	0,16	0,31			
Total, real	97	19	8			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** L - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)
Assumptions for shadow calculations Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,9	5,38	5,62	6,96	8,80	10,41	9,72	7,26	8,32	5,93	2,58	2,32

Operational time		
0	1	Sum
4.380	4.380	8.760

	July	August	September	October	November	December	
1	04:57	05:40	06:38	07:35	07:37	08:35	09:21 (3)
	22:18	21:40	20:29	19:12	16:58	16:10	2€ 09:47 (3)
2	04:58	05:41	06:40	07:37	18:21 (1) 07:39	08:37	09:22 (3)
	22:18	21:38	20:27	19:10	18:22 (1) 16:56	16:09	2€ 09:47 (3)
3	04:58	05:43	06:42	07:39	18:20 (1) 07:41	08:38	09:23 (3)
	22:17	21:36	20:24	19:07	18:21 (1) 16:54	16:08	24 09:47 (3)
4	04:59	05:45	06:44	07:41	18:19 (1) 07:43	08:40	09:24 (3)
	22:17	21:34	20:22	19:04	2 18:21 (1) 16:52	16:08	2€ 09:47 (3)
5	05:00	05:47	06:45	07:42	18:18 (1) 07:45	09:25 (3) 08:41	09:25 (3)
	22:16	21:32	20:19	19:02	2 18:20 (1) 16:50	7 09:32 (3) 16:07	22 09:47 (3)
6	05:01	05:49	06:47	07:44	18:17 (1) 07:47	09:21 (3) 08:43	09:26 (3)
	22:15	21:30	20:17	18:59	2 18:19 (1) 16:48	15 09:36 (3) 16:06	21 09:47 (3)
7	05:02	05:51	06:49	07:46	18:16 (1) 07:49	09:19 (3) 08:44	09:26 (3)
	22:15	21:28	20:14	18:57	2 18:18 (1) 16:46	19 09:38 (3) 16:06	20 09:46 (3)
8	05:03	05:52	06:51	07:48	17:32 (2) 07:51	09:18 (3) 08:46	09:28 (3)
	22:14	21:26	20:12	18:54	4 18:17 (1) 16:44	22 09:40 (3) 16:05	1€ 09:46 (3)
9	05:04	05:54	06:53	07:50	18:12 (1) 07:53	09:17 (3) 08:47	09:29 (3)
	22:13	21:24	20:09	18:52	3 18:15 (1) 16:42	24 09:41 (3) 16:05	1€ 09:45 (3)
10	05:06	05:56	06:55	07:52	17:31 (2) 07:55	09:16 (3) 08:48	09:31 (3)
	22:12	21:22	20:07	18:49	4 18:13 (1) 16:40	26 09:42 (3) 16:04	1€ 09:46 (3)
11	05:07	05:58	06:57	07:54	17:30 (2) 07:57	09:15 (3) 08:50	09:32 (3)
	22:11	21:19	20:04	18:47	3 18:11 (1) 16:38	28 09:43 (3) 16:04	1€ 09:45 (3)
12	05:08	06:00	06:59	07:56	17:29 (2) 07:59	09:15 (3) 08:51	09:33 (3)
	22:10	21:17	20:01	18:44	3 18:08 (1) 16:36	29 09:44 (3) 16:04	12 09:45 (3)
13	05:09	06:02	07:01	07:58	17:29 (2) 08:01	09:14 (3) 08:52	09:34 (3)
	22:09	21:15	19:59	18:42	1 17:30 (2) 16:34	31 09:45 (3) 16:04	10 09:44 (3)
14	05:11	06:04	07:02	08:00	17:28 (2) 08:03	09:14 (3) 08:53	09:35 (3)
	22:08	21:13	19:56	18:39	2 17:30 (2) 16:33	31 09:45 (3) 16:04	€ 09:43 (3)
15	05:12	06:06	07:04	08:02	17:29 (2) 08:05	09:14 (3) 08:54	09:37 (3)
	22:07	21:10	19:54	18:37	1 17:30 (2) 16:31	31 09:45 (3) 16:04	€ 09:43 (3)
16	05:13	06:07	07:06	08:04	17:28 (2) 08:07	09:14 (3) 08:55	09:39 (3)
	22:06	21:08	19:51	18:35	1 17:29 (2) 16:29	33 09:47 (3) 16:04	€ 09:42 (3)
17	05:15	06:09	07:08	08:06	17:27 (2) 08:09	09:14 (3) 08:56	
	22:04	21:06	19:48	18:32	1 17:28 (2) 16:28	33 09:47 (3) 16:04	
18	05:16	06:11	07:10	08:08	17:26 (2) 08:11	09:14 (3) 08:56	
	22:03	21:04	19:46	18:30	1 17:27 (2) 16:26	33 09:47 (3) 16:04	
19	05:18	06:13	07:12	08:10	17:25 (2) 08:13	09:14 (3) 08:57	
	22:02	21:01	19:43	18:27	1 17:26 (2) 16:25	33 09:47 (3) 16:04	
20	05:19	06:15	07:14	08:12	17:24 (2) 08:15	09:14 (3) 08:58	
	22:00	20:59	19:41	18:25	1 17:25 (2) 16:23	33 09:47 (3) 16:05	
21	05:21	06:17	07:16	08:14	08:17	09:15 (3) 08:59	
	21:59	20:56	19:38	18:23	16:22	33 09:48 (3) 16:05	
22	05:23	06:19	07:18	08:16	08:19	09:15 (3) 08:59	
	21:57	20:54	19:35	18:20	16:20	33 09:48 (3) 16:05	
23	05:24	06:21	07:19	08:18	08:21	09:16 (3) 09:00	
	21:56	20:52	19:33	18:18	16:19	32 09:48 (3) 16:06	
24	05:26	06:23	07:21	08:20	08:23	09:16 (3) 09:00	
	21:54	20:49	19:30	18:16	16:18	32 09:48 (3) 16:06	
25	05:27	06:25	07:23	07:22	08:25	09:17 (3) 09:00	
	21:52	20:47	19:28	17:13	16:16	31 09:48 (3) 16:07	
26	05:29	06:26	07:25	07:24	08:27	09:17 (3) 09:01	
	21:51	20:44	19:25	17:11	16:15	31 09:48 (3) 16:08	
27	05:31	06:28	07:27	07:26	08:28	09:18 (3) 09:01	
	21:49	20:42	19:22	17:09	16:14	30 09:48 (3) 16:09	
28	05:33	06:30	07:29	07:28	08:30	09:19 (3) 09:01	09:44 (3)
	21:47	20:39	19:20	17:07	16:13	29 09:48 (3) 16:10	€ 09:49 (3)
29	05:34	06:32	07:31	07:31	08:32	09:20 (3) 09:01	€ 09:43 (3)
	21:45	20:37	19:17	17:04	16:12	28 09:48 (3) 16:10	€ 09:51 (3)
30	05:36	06:34	07:33	07:33	08:34	09:21 (3) 09:01	09:42 (3)
	21:44	20:34	19:15	17:02	16:11	27 09:48 (3) 16:11	€ 09:51 (3)
31	05:38	06:36		07:35		09:01	09:42 (3)
	21:42	20:32		17:00		16:12	11 09:53 (3)
Potential sun hours	521	465	383	326	253	224	
Total, worst case				36	734		29€
Sun reduction				0,31	0,16		0,14
Oper. time red.				1,00	1,00		1,00
Wind dir. red.				0,91	0,64		0,64
Total reduction				0,28	0,10		0,0€
Total, real				10	74		2€

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]**Assumptions for shadow calculations**Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June
1 09:01	09:57 (3)	08:28	07:27	17:33 (1)	07:08	05:55
16:14	32 10:29 (3)	17:08	18:07	2 17:35 (1)	20:10	21:09
2 09:01	09:57 (3)	08:26	07:24	17:35 (1)	07:05	05:53
16:15	31 10:28 (3)	17:10	18:09	2 17:37 (1)	20:12	21:11
3 09:01	09:57 (3)	08:24	07:22	17:35 (1)	07:03	05:51
16:16	33 10:30 (3)	17:12	18:12	2 17:37 (1)	20:14	21:13
4 09:00	09:57 (3)	08:22	07:19	17:37 (1)	07:00	05:48
16:18	33 10:30 (3)	17:15	18:14	1 17:38 (1)	20:16	21:15
5 09:00	09:58 (3)	08:20	07:17		06:58	05:46
16:19	33 10:31 (3)	17:17	18:16		20:18	21:17
6 08:59	09:58 (3)	08:18	07:14		06:55	05:44
16:20	33 10:31 (3)	17:19	18:18		20:20	21:18
7 08:59	09:58 (3)	08:16	07:12		06:53	05:42
16:22	33 10:31 (3)	17:21	18:20		20:21	21:20
8 08:58	09:58 (3)	08:14	07:09		06:50	05:40
16:23	34 10:32 (3)	17:23	18:22		20:23	21:22
9 08:58	09:59 (3)	08:12	07:07		06:48	05:38
16:25	33 10:32 (3)	17:25	18:24		20:25	21:24
10 08:57	10:00 (3)	08:10	07:04		06:45	05:36
16:26	34 10:34 (3)	17:27	18:26		20:27	21:26
11 08:56	09:59 (3)	08:08	16:26 (2) 07:02		06:43	05:34
16:28	34 10:33 (3)	17:29	14 16:40 (2) 18:28		20:29	21:28
12 08:55	10:00 (3)	08:06	16:22 (2) 06:59		06:40	05:32
16:29	34 10:34 (3)	17:32	17 16:43 (2) 18:30		20:31	21:30
13 08:54	10:00 (3)	08:04	16:20 (2) 06:57		06:38	05:30
16:31	34 10:34 (3)	17:34	8 16:46 (2) 18:32		20:33	21:32
14 08:53	10:01 (3)	08:02	16:42 (2) 06:54		06:35	05:28
16:33	34 10:35 (3)	17:36	6 16:48 (2) 18:34		20:35	21:34
15 08:52	10:02 (3)	07:59	16:44 (2) 06:52		06:33	05:27
16:35	33 10:35 (3)	17:38	5 16:49 (2) 18:36		20:37	21:35
16 08:51	10:02 (3)	07:57	16:47 (2) 06:49		06:30	05:25
16:36	33 10:35 (3)	17:40	4 16:51 (2) 18:38		20:39	21:37
17 08:50	10:03 (3)	07:55	16:49 (2) 06:47		06:28	05:23
16:38	32 10:35 (3)	17:42	4 16:53 (2) 18:40		20:41	21:39
18 08:49	10:04 (3)	07:53	16:49 (2) 06:44		06:25	05:21
16:40	32 10:36 (3)	17:44	4 16:53 (2) 18:42		20:43	21:41
19 08:48	10:04 (3)	07:50	16:51 (2) 06:41		06:23	05:20
16:42	31 10:35 (3)	17:46	3 16:54 (2) 18:44		20:45	21:42
20 08:47	10:05 (3)	07:48	16:53 (2) 06:39		06:20	05:18
16:44	31 10:36 (3)	17:49	2 16:55 (2) 18:46		20:47	21:44
21 08:45	10:05 (3)	07:46	16:53 (2) 06:36		06:18	05:16
16:46	30 10:35 (3)	17:51	2 16:55 (2) 18:48		20:49	21:46
22 08:44	10:06 (3)	07:44	16:54 (2) 06:34		06:16	05:15
16:48	28 10:34 (3)	17:53	2 16:56 (2) 18:50		20:51	21:47
23 08:42	10:07 (3)	07:41	16:54 (2) 06:31		06:13	05:13
16:50	28 10:35 (3)	17:55	2 16:56 (2) 18:52		20:53	21:49
24 08:41	10:08 (3)	07:39	16:55 (2) 06:29		06:11	05:12
16:52	26 10:34 (3)	17:57	2 16:57 (2) 18:54		20:55	21:51
25 08:39	10:09 (3)	07:36	16:55 (2) 06:26		06:09	05:10
16:54	24 10:33 (3)	17:59	1 16:56 (2) 18:56		20:57	21:52
26 08:38	10:11 (3)	07:34	16:56 (2) 06:23		06:06	05:09
16:56	22 10:33 (3)	18:01	11 17:30 (1) 18:58		20:59	21:54
27 08:36	10:12 (3)	07:32	17:28 (1) 06:21		06:04	05:08
16:58	19 10:31 (3)	18:03	4 17:32 (1) 19:00		21:01	21:55
28 08:35	10:14 (3)	07:29	17:31 (1) 06:18		06:02	05:06
17:00	15 10:29 (3)	18:05	3 17:34 (1) 19:02		21:03	21:57
29 08:33	10:17 (3)		07:16		05:59	05:05
17:02	10 10:27 (3)		20:04		21:05	21:58
30 08:31			07:13		05:57	05:04
17:04			20:06		21:07	22:00
31 08:30			07:11			05:03
17:06			20:08			22:01
Potential sun hours	242	269	366	423	501	520
Total, worst case	859	94	7			
Sun reduction	0,18	0,25	0,34			
Oper. time red.	1,00	1,00	1,00			
Wind dir. red.	0,56	0,85	0,94			
Total reduction	0,10	0,20	0,31			
Total, real	84	19	2			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas
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 LT-54469 Kauno r. sav.
 +8 621 66746
 Raminta Survilė / r.surville@infraplanas.lt
 Calculated:
 2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** M - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:40	06:38	07:35	07:37	08:35
	22:18	21:40	20:29	19:12	16:58	16:10
2	04:58	05:41	06:40	07:37	07:39	08:37
	22:18	21:38	20:27	19:10	16:56	16:09
3	04:58	05:43	06:42	07:39	07:41	08:38
	22:17	21:36	20:24	19:07	16:54	16:08
4	04:59	05:45	06:44	07:41	07:43	08:40
	22:17	21:34	20:22	19:04	16:52	16:08
5	05:00	05:47	06:45	07:42	07:45	08:41
	22:16	21:32	20:19	19:02	16:50	16:07
6	05:01	05:49	06:47	07:44	07:47	08:43
	22:15	21:30	20:17	18:59	16:48	16:06
7	05:02	05:51	06:49	07:46	07:49	08:44
	22:15	21:28	20:14	18:57	16:46	16:06
8	05:03	05:52	06:51	07:48	07:51	08:46
	22:14	21:26	20:12	18:54	16:44	16:05
9	05:04	05:54	06:53	07:50	07:53	08:47
	22:13	21:24	20:09	18:52	16:42	16:05
10	05:06	05:56	06:55	07:52	18:10 (1)	07:55
	22:12	21:22	20:07	18:49	2 18:12 (1)	16:40
11	05:07	05:58	06:57	07:54	18:09 (1)	07:57
	22:11	21:19	20:04	18:47	2 18:11 (1)	16:38
12	05:08	06:00	06:59	07:56	18:07 (1)	07:59
	22:10	21:17	20:01	18:44	2 18:09 (1)	16:36
13	05:09	06:02	07:01	07:58	18:05 (1)	08:01
	22:09	21:15	19:59	18:42	3 18:08 (1)	16:34
14	05:11	06:04	07:02	08:00	18:02 (1)	08:03
	22:08	21:13	19:56	18:39	4 18:06 (1)	16:33
15	05:12	06:06	07:04	08:02	17:59 (1)	08:05
	22:07	21:10	19:54	18:37	5 18:04 (1)	16:31
16	05:13	06:07	07:06	08:04	17:28 (2)	08:07
	22:06	21:08	19:51	18:35	10 18:01 (1)	16:29
17	05:15	06:09	07:08	08:06	17:27 (2)	08:09
	22:04	21:06	19:48	18:32	1 17:28 (2)	16:28
18	05:16	06:11	07:10	08:08	17:26 (2)	08:11
	22:03	21:04	19:46	18:30	2 17:28 (2)	16:26
19	05:18	06:13	07:12	08:10	17:25 (2)	08:13
	22:02	21:01	19:43	18:27	2 17:27 (2)	16:25
20	05:19	06:15	07:14	08:12	17:24 (2)	08:15
	22:00	20:59	19:41	18:25	2 17:26 (2)	16:23
21	05:21	06:17	07:16	08:14	17:23 (2)	08:17
	21:59	20:56	19:38	18:23	2 17:25 (2)	16:22
22	05:23	06:19	07:18	08:16	17:23 (2)	08:19
	21:57	20:54	19:35	18:20	2 17:25 (2)	16:20
23	05:24	06:21	07:19	08:18	17:21 (2)	08:21
	21:56	20:52	19:33	18:18	3 17:24 (2)	16:19
24	05:26	06:23	07:21	08:20	17:19 (2)	08:23
	21:54	20:49	19:30	18:16	4 17:23 (2)	16:18
25	05:27	06:25	07:23	07:22	16:18 (2)	08:25
	21:52	20:47	19:28	17:13	4 16:22 (2)	16:16
26	05:29	06:26	07:25	07:24	16:16 (2)	08:27
	21:51	20:44	19:25	17:11	4 16:20 (2)	16:15
27	05:31	06:28	07:27	07:26	16:14 (2)	08:28
	21:49	20:42	19:22	17:09	5 16:19 (2)	16:14
28	05:33	06:30	07:29	07:28	16:11 (2)	08:30
	21:47	20:39	19:20	17:07	6 16:17 (2)	16:13
29	05:34	06:32	07:31	07:31	15:50 (2)	08:32
	21:45	20:37	19:17	17:04	10 16:15 (2)	16:12
30	05:36	06:34	07:33	07:33	15:52 (2)	08:34
	21:44	20:34	19:15	17:02	20 16:12 (2)	16:11
31	05:38	06:36		07:35	15:56 (2)	
	21:42	20:32		17:00	12 16:08 (2)	
Potential sun hours	521	465	383	326	253	224
Total, worst case				107	495	975
Sun reduction				0,31	0,16	0,14
Oper. time red.				1,00	1,00	1,00
Wind dir. red.				0,86	0,56	0,56
Total reduction				0,26	0,09	0,07
Total, real				28	42	71

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.52

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: N - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (75)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: O - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and multiple rows for hourly data (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Matrix with 4 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time).

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: P - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPĖDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes a summary section at the bottom for 'Potential sun hours' and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: Q - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day of the month, showing sun rise and set times, and a summary section at the bottom for 'Potential sun hours' and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), Minutes with flicker, First time (hh:mm) with flicker, Last time (hh:mm) with flicker, (WTG causing flicker first time), (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: R - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:10	05:55 21:09	05:02 22:02	04:57 22:18	05:40 21:40	06:38 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:11	19:42 (3) 05:53 21:11	05:01 22:04	04:57 22:18	05:41 21:38	06:40 20:27	07:37 19:09	07:39 16:56	08:37 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	19:40 (3) 05:51 21:13	05:00 22:05	04:58 22:17	05:43 21:36	06:42 20:24	07:38 19:07	07:41 16:54	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	19:40 (3) 05:48 21:14	04:59 22:06	04:59 22:17	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	19:40 (3) 05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	19:49 (3) 21:16 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	19:40 (3) 05:40 21:20	04:56 22:10	05:02 22:15	05:51 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	19:53 (3) 21:20 21:22	04:56 22:11	05:03 22:14	05:52 21:26	06:51 20:12	07:48 18:54	07:51 16:43	08:46 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:48 20:25	19:40 (3) 05:38 21:24	04:55 22:12	05:04 22:13	05:54 21:24	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	19:40 (3) 05:36 21:26	04:54 22:12	05:06 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	19:40 (3) 05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:57 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	19:40 (3) 05:32 21:30	04:53 22:14	05:08 22:10	06:00 21:17	06:59 20:01	07:56 18:44	07:59 16:36	08:51 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:38 20:33	19:40 (3) 05:30 21:32	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	08:53 16:33	08:02 17:36	06:54 18:34	06:35 20:35	19:40 (3) 05:28 21:33	04:53 22:16	05:11 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	19:40 (3) 05:27 21:35	04:52 22:16	05:12 22:07	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	19:40 (3) 05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:55 16:04
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	19:40 (3) 05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	19:37 (3) 05:21 21:41	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	19:41 (3) 05:20 21:42	4 06:29 (4) 04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	23 06:49 (4) 04:52 22:19	05:19 22:00	06:15 20:59	07:14 19:41	08:12 18:25	08:15 16:23	08:58 16:04
21	08:45 16:46	07:46 17:48	06:36 18:46	06:18 20:49	05:16 21:46	27 06:50 (4) 04:52 22:19	05:21 22:00	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:22	08:58 16:05
22	08:44 16:48	07:43 17:51	06:34 18:48	06:16 20:49	05:15 21:46	13 06:53 (4) 04:52 22:19	05:22 21:59	06:19 20:56	07:17 19:38	08:16 18:22	08:19 16:22	08:59 16:05
23	08:42 16:48	07:41 17:53	06:31 18:50	06:13 20:51	05:13 21:47	7 06:30 (4) 04:53 22:19	05:24 21:57	06:21 20:54	07:19 19:35	08:18 18:20	08:21 16:20	08:59 16:05
24	08:41 16:50	07:39 17:55	06:28 18:52	06:11 20:53	05:12 21:49	3 06:28 (4) 04:53 22:19	05:24 21:55	06:21 20:52	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
25	08:39 16:52	07:36 17:57	06:26 18:54	06:09 20:55	05:10 21:51	04:53 22:19	05:27 21:54	06:24 20:49	07:23 19:30	08:22 18:15	08:25 16:17	09:00 16:06
26	08:38 16:54	07:34 17:59	06:23 18:56	06:06 20:57	05:09 21:52	12 06:49 (4) 04:54 22:19	05:29 21:52	06:26 20:47	07:25 19:28	08:24 17:13	08:26 16:16	09:00 16:07
27	08:36 16:58	18:01 07:32	18:58 06:21	20:59 06:04	21:54 05:08	8 06:49 (4) 04:54 22:19	21:51 05:31	20:44 06:28	19:25 07:27	17:11 07:26	16:15 08:28	16:08 09:01
28	08:34 17:00	07:29 18:05	06:18 19:02	06:02 21:03	05:06 21:57	04:55 22:19	05:33 21:47	06:30 20:39	07:29 19:20	08:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:16 18:04	05:59 21:05	05:59 21:58	05:05 22:19	04:55 21:45	05:34 21:45	06:32 20:37	07:31 19:17	08:30 17:04	08:32 16:12	09:01 16:10
30	08:31 17:04	07:13 18:06	05:57 21:07	05:57 21:57	05:04 22:00	04:56 22:18	05:36 21:44	06:34 20:34	07:33 19:15	08:33 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:08	05:50 21:08	05:50 22:01	05:03 22:01	05:03 21:42	05:38 21:42	06:36 20:32	07:35 17:00	08:35 16:00	08:35 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				169	89		64					
Sun reduction				0,39	0,52		0,49					
Oper. time red.				1,00	1,00		1,00					
Wind dir. red.				1,00	0,89		0,89					
Total reduction				0,39	0,46		0,44					
Total, real				67	41		28					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** S - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (80) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01	08:28	07:27	07:08	05:55	05:02	04:57	05:40	06:38	07:35	07:37	08:35
	16:14	17:08	18:07	20:10	21:09	22:02	22:18	21:40	20:29	19:12	16:58	16:10
2	09:01	08:26	07:24	07:05	19:40 (3)	05:53	05:01	04:57	05:41	06:40	07:37	08:37
	16:15	17:10	18:09	20:11	4 19:44 (3)	21:11	22:04	22:18	21:38	20:27	19:09	16:56
3	09:00	08:24	07:22	07:03	19:40 (3)	05:51	05:00	04:58	05:43	06:42	07:38	08:38
	16:16	17:12	18:11	20:13	6 19:46 (3)	21:13	22:05	22:17	21:36	20:24	19:07	16:54
4	09:00	08:22	07:19	07:00	19:40 (3)	05:48	04:59	04:59	05:45	06:43	07:40	08:40
	16:17	17:14	18:13	20:15	8 19:48 (3)	21:14	22:06	22:17	21:34	20:22	19:04	16:51
5	09:00	08:20	07:17	06:58	19:40 (3)	05:46	04:58	05:00	05:47	06:45	07:42	08:41
	16:19	17:17	18:16	20:17	9 19:49 (3)	21:16	22:07	22:16	21:32	20:19	19:02	16:49
6	08:59	08:18	07:14	06:55	19:40 (3)	05:44	04:57	05:01	05:49	06:47	07:44	08:43
	16:20	17:19	18:18	20:19	12 19:52 (3)	21:18	22:08	22:15	21:30	20:17	18:59	16:47
7	08:59	08:16	07:12	06:53	19:40 (3)	05:42	04:56	05:02	05:51	06:49	07:46	08:44
	16:22	17:21	18:20	20:21	13 19:53 (3)	21:20	22:10	22:15	21:28	20:14	18:57	16:45
8	08:58	08:14	07:09	06:50	19:40 (3)	05:40	04:56	05:03	05:52	06:51	07:48	08:46
	16:23	17:23	18:22	20:23	14 19:54 (3)	21:22	22:11	22:14	21:26	20:12	18:54	16:43
9	08:57	08:12	07:07	06:48	19:40 (3)	05:38	04:55	05:04	05:54	06:53	07:50	08:47
	16:25	17:25	18:24	20:25	13 19:53 (3)	21:24	22:12	22:13	21:24	20:09	18:52	16:42
10	08:57	08:10	07:04	06:45	19:40 (3)	05:36	04:54	05:06	05:56	06:55	07:52	08:48
	16:26	17:27	18:26	20:27	12 19:52 (3)	21:26	22:12	22:12	21:21	20:06	18:49	16:40
11	08:56	08:08	07:02	06:42	19:40 (3)	05:34	04:54	05:07	05:58	06:57	07:54	08:49
	16:28	17:29	18:28	20:29	11 19:51 (3)	21:28	22:13	22:11	21:19	20:04	18:47	16:38
12	08:55	08:06	06:59	06:40	19:40 (3)	05:32	04:53	05:08	06:00	06:59	07:56	08:51
	16:29	17:31	18:30	20:31	10 19:50 (3)	21:30	22:14	22:10	21:17	20:01	18:44	16:36
13	08:54	08:04	06:57	06:37	19:40 (3)	05:30	04:53	05:09	06:02	07:00	07:58	08:51
	16:31	17:34	18:32	20:33	8 19:48 (3)	21:32	22:15	22:09	21:15	19:59	18:42	16:34
14	08:53	08:01	06:54	06:35	19:40 (3)	05:28	04:53	05:11	06:04	07:02	08:00	08:53
	16:33	17:36	18:34	20:35	7 19:47 (3)	21:33	22:16	22:08	21:13	19:56	18:39	16:33
15	08:52	07:59	06:52	06:33	19:40 (3)	05:27	04:52	05:12	06:05	07:04	08:02	08:54
	16:35	17:38	18:36	20:37	3 19:43 (3)	21:35	22:16	22:07	21:10	19:53	18:37	16:31
16	08:51	07:57	06:49	06:30		05:25	04:52	05:13	06:07	07:06	08:04	08:55
	16:36	17:40	18:38	20:39		21:37	22:17	22:05	21:08	19:51	18:34	16:29
17	08:50	07:55	06:46	06:28		05:23	04:52	05:15	06:09	07:08	08:06	08:55
	16:38	17:42	18:40	20:41		21:39	22:17	22:04	21:06	19:48	18:32	16:28
18	08:49	07:53	06:44	06:25		05:21	04:52	05:16	06:11	07:10	08:08	08:56
	16:40	17:44	18:42	20:43		21:40	22:18	22:03	21:03	19:46	18:30	16:26
19	08:48	07:50	06:41	06:23		05:20	04:52	05:18	06:13	07:12	08:10	08:57
	16:42	17:46	18:44	20:45		21:42	22:18	22:01	21:01	19:43	18:27	16:24
20	08:46	07:48	06:39	06:20		05:18	04:52	05:19	06:15	07:14	08:12	08:58
	16:44	17:48	18:46	20:47		21:44	22:19	22:00	20:59	19:40	18:25	16:23
21	08:45	07:46	06:36	06:18		05:16	04:52	05:21	06:17	07:15	08:14	08:58
	16:46	17:51	18:48	20:49		21:46	22:19	21:59	20:56	19:38	18:22	16:22
22	08:44	07:43	06:34	06:16		05:15	04:52	05:22	06:19	07:17	08:16	08:59
	16:48	17:53	18:50	20:51		21:47	22:19	21:57	20:54	19:35	18:20	16:20
23	08:42	07:41	06:31	06:13		05:13	04:53	05:24	06:21	07:19	08:18	08:21
	16:50	17:55	18:52	20:53		21:49	22:19	21:55	20:52	19:33	18:18	16:19
24	08:41	07:39	06:28	06:11		05:12	04:53	05:26	06:23	07:21	08:20	08:23
	16:52	17:57	18:54	20:55		21:51	22:19	21:54	20:49	19:30	18:15	16:17
25	08:39	07:36	06:26	06:09		05:10	04:53	05:27	06:24	07:23	08:22	08:25
	16:54	17:59	18:56	20:57		21:52	22:19	21:52	20:47	19:28	18:13	16:16
26	08:38	07:34	06:23	06:06		05:09	04:54	05:29	06:26	07:25	08:24	08:26
	16:56	18:01	18:58	20:59		21:54	22:19	21:51	20:44	19:25	18:11	16:15
27	08:36	07:31	06:21	06:04		05:08	04:54	05:31	06:28	07:27	08:26	08:28
	16:58	18:03	19:00	21:01		21:55	22:19	21:49	20:42	19:22	18:07	16:14
28	08:34	07:29	06:18	06:02		05:06	04:55	05:32	06:30	07:29	08:28	08:30
	17:00	18:05	19:02	21:03		21:57	22:19	21:47	20:39	19:20	18:06	16:13
29	08:33		07:16	05:59		05:05	04:55	05:34	06:32	07:31	08:30	08:32
	17:02		20:04	21:05		21:58	22:19	21:45	20:37	19:17	18:04	16:12
30	08:31		07:13	05:57		05:04	04:56	05:36	06:34	07:33	08:32	08:33
	17:04		20:06	21:07		22:00	22:18	21:43	20:34	19:15	18:02	16:11
31	08:29		07:10			05:03		05:38	06:36		07:35	
	17:06		20:08			22:01		21:42	20:32		17:00	
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				130								
Sun reduction				0,39								
Oper. time red.				1,00								
Wind dir. red.				1,00								
Total reduction				0,39								
Total, real				51								

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: T - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Table with 12 columns (Jan-Dec) and 3 rows of values for sunshine probability.

Operational time table with 3 columns (0, 1, Sum) and 2 rows of values.

Main shadow calculation table with 12 columns (January-December) and 31 rows of hourly data, including sun rise/set times and reduction percentages.

Table layout: For each day in each month the following matrix apply

Matrix table with 4 columns: Day in month, Sun rise/set, Minutes with flicker, and First/Last time with flicker.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: U - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for sun hours, reduction, and real values.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** V - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (83) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:28 17:08	07:27 18:07	07:08 20:09	05:55 21:09	05:02 22:02	21:11 (5) 04:57	05:40 21:40	06:38 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	09:01 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:11	05:01 22:04	21:11 (5) 04:57	05:41 21:38	06:40 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:51 21:12	05:00 22:05	21:11 (5) 04:58	21:39 (5) 21:40 (5)	05:43 20:24	06:41 19:07	07:38 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	05:48 22:06	21:12 (5) 04:59	05:45 21:36	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	09:00 16:19	08:20 17:17	07:17 18:16	06:58 20:17	05:46 21:16	05:46 22:07	21:12 (5) 04:59	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:18	06:55 20:19	05:44 21:18	05:44 22:08	04:57 21:12 (5)	05:49 21:30	06:47 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	08:59 16:22	08:16 17:21	07:12 18:20	06:53 20:21	05:42 21:20	05:42 22:09	04:56 21:11 (5)	05:50 21:32	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	05:40 22:10	04:56 21:11 (5)	05:03 21:33	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:25	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	05:38 22:11	04:55 21:34	05:04 21:34	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	08:57 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	05:36 22:12	04:54 21:34	05:05 21:12	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	05:34 22:13	04:54 21:35	05:07 22:11	06:58 20:04	07:54 18:54	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:30	05:32 22:14	04:53 21:35	05:08 22:10	07:56 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:04 17:34	06:57 18:32	06:37 20:33	05:30 21:31	05:30 22:15	04:53 21:35	05:09 22:09	07:58 20:00	07:58 18:42	08:01 16:34	08:52 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	05:28 22:16	04:53 21:35	05:11 22:08	08:00 20:00	08:00 18:39	08:03 16:33	08:53 16:04
15	08:52 16:35	07:59 17:38	06:52 18:36	06:33 20:37	05:27 21:35	05:27 22:16	04:52 21:35	05:12 22:07	08:05 20:00	08:02 19:53	08:05 16:31	08:54 16:04
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	05:25 22:17	04:52 21:36	05:13 22:05	08:07 20:00	08:04 19:51	08:07 16:29	08:55 16:04
17	08:50 16:38	07:55 17:42	06:46 18:40	06:28 20:41	05:23 21:39	05:23 22:17	04:52 21:36	05:15 22:04	08:09 20:06	08:06 19:48	08:09 16:28	08:55 16:04
18	08:49 16:40	07:53 17:44	06:44 18:42	06:25 20:43	05:21 21:40	05:21 22:18	04:52 21:36	05:16 22:03	08:11 20:03	08:08 19:46	08:11 16:26	08:56 16:04
19	08:48 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:20 21:42	05:20 22:18	04:52 21:36	05:18 22:01	08:13 20:01	08:10 19:43	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	05:18 22:18	04:52 21:36	05:19 22:00	08:15 20:59	08:12 19:40	08:15 16:23	08:58 16:04
21	08:45 16:46	07:46 17:51	06:36 18:48	06:18 20:49	05:16 21:46	05:16 22:19	04:52 21:36	05:21 21:58	08:17 20:56	08:14 19:38	08:17 16:21	08:58 16:05
22	08:44 16:48	07:43 17:53	06:34 18:50	06:16 20:51	05:15 21:47	05:15 22:19	04:52 21:37	05:22 21:57	08:19 20:54	08:12 19:35	08:19 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	05:13 22:19	04:53 21:37	05:24 21:55	08:21 20:51	08:19 19:33	08:21 16:19	08:59 16:06
24	08:41 16:52	07:39 17:57	06:28 18:54	06:11 20:55	05:12 21:51	05:12 22:19	04:53 21:37	05:26 21:54	08:23 20:49	08:20 19:30	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	05:10 22:19	04:53 21:16	05:27 21:52	08:25 20:47	08:22 19:27	08:25 16:16	09:00 16:07
26	08:38 16:56	07:34 17:54	06:23 18:58	06:06 20:59	05:09 21:54	05:09 22:19	04:54 21:18	05:29 21:51	08:26 20:44	08:25 19:25	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:01	06:21 18:58	06:04 20:59	05:08 21:54	05:08 22:19	04:54 21:13	05:31 21:51	08:28 20:44	08:27 19:25	08:28 16:15	09:01 16:08
28	08:34 17:00	07:29 18:03	06:18 19:00	06:02 21:01	05:06 21:55	05:06 22:19	04:55 21:13	05:32 21:49	08:30 20:42	08:29 19:22	08:30 16:14	09:01 16:09
29	08:33 17:02	07:27 18:05	06:16 19:02	05:59 21:03	05:05 21:57	05:05 22:19	04:55 21:21	05:34 21:47	08:32 20:39	08:31 19:20	08:32 16:13	09:01 16:09
30	08:31 17:04	07:25 18:04	06:14 19:01	05:57 21:05	05:04 21:58	05:04 22:19	04:56 21:12	05:36 21:45	08:33 20:37	08:33 19:17	08:33 16:12	09:01 16:10
31	08:29 17:06	07:23 18:07	06:10 19:04	05:57 21:07	05:03 22:00	05:03 22:18	04:56 21:24	05:38 21:43	08:34 20:34	08:34 19:15	08:34 16:11	09:01 16:11
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case					54	636	1					
Sun reduction					0,52	0,48	0,49					
Oper. time red.					1,00	1,00	1,00					
Wind dir. red.					0,82	0,82	0,82					
Total reduction					0,42	0,40	0,40					
Total, real					23	252	0					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: W - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:01	08:27	07:26	07:08	05:55	06:41 (6)	05:02	04:57	05:39	06:38	07:34	07:36	08:35	
	16:14	17:08	18:07	20:09	21:08	06:43 (6)	22:02	22:18	21:40	20:29	19:12	16:58	16:10	
2	09:00	08:26	07:24	07:05	05:53	06:40 (6)	05:01	04:57	05:41	06:39	07:36	07:38	08:36	
	16:15	17:10	18:09	20:11	21:10	06:42 (6)	22:03	22:17	21:38	20:27	19:09	16:55	16:09	
3	09:00	08:24	07:22	07:03	05:50	06:40 (6)	05:00	04:58	05:43	06:41	07:38	07:41	08:38	
	16:16	17:12	18:11	20:13	21:12	06:41 (6)	22:05	22:17	21:36	20:24	19:07	16:53	16:08	
4	09:00	08:22	07:19	07:00	05:48	06:39 (6)	04:59	04:59	05:45	06:43	07:40	07:43	08:40	
	16:17	17:14	18:13	20:15	21:14	06:41 (6)	22:06	22:16	21:34	20:22	19:04	16:51	16:07	
5	08:59	08:20	07:17	06:57	05:46	06:39 (6)	04:58	05:00	05:47	06:45	07:42	07:45	08:41	
	16:19	17:16	18:15	20:17	21:16	06:40 (6)	22:07	22:16	21:32	20:19	19:02	16:49	16:07	
6	08:59	08:18	07:14	06:55	05:44	06:40 (6)	04:57	05:01	05:49	06:49 (6)	07:44	07:47	08:43	
	16:20	17:19	18:17	20:19	21:18	06:41 (6)	22:08	22:15	21:30	1 06:50 (6)	20:16	18:59	16:47	16:06
7	08:58	08:16	07:12	06:52	05:42	06:41 (6)	04:56	05:02	05:50	06:49 (6)	07:46	07:49	08:44	
	16:21	17:21	18:19	20:21	21:20	06:40 (6)	22:09	22:14	21:28	1 06:50 (6)	20:14	18:57	16:45	16:06
8	08:58	08:14	07:09	06:50	05:40	06:41 (6)	04:56	05:03	05:52	06:50 (6)	07:51	07:51	08:45	
	16:23	17:23	18:22	20:23	21:22	06:41 (6)	22:10	22:14	21:25	1 06:51 (6)	20:11	18:54	16:43	16:05
9	08:57	08:12	07:07	06:47	05:38	06:41 (6)	04:55	05:04	05:54	06:49 (6)	07:50	07:53	08:47	
	16:24	17:25	18:24	20:25	21:24	06:41 (6)	22:11	22:13	21:23	1 06:50 (6)	20:09	18:52	16:41	16:05
10	08:56	08:10	07:04	06:45	05:36	06:41 (6)	04:54	05:05	05:56	06:49 (6)	07:55	07:55	08:48	
	16:26	17:27	18:26	20:27	21:26	06:41 (6)	22:12	22:12	21:21	2 06:51 (6)	20:06	18:49	16:40	16:04
11	08:56	08:08	07:02	06:42	05:34	06:41 (6)	04:54	05:07	05:58	06:50 (6)	07:56	07:54	08:49	
	16:28	17:29	18:28	20:29	21:28	06:41 (6)	22:13	22:11	21:19	1 06:51 (6)	20:04	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40	05:32	06:41 (6)	04:53	05:08	06:00	06:49 (6)	07:56	07:59	08:50	
	16:29	17:31	18:30	20:31	21:30	06:41 (6)	22:14	22:10	21:17	2 06:51 (6)	20:01	18:44	16:36	16:04
13	08:54	08:03	06:57	06:37	05:30	06:41 (6)	04:53	05:09	06:02	06:50 (6)	07:00	07:58	08:01	08:51
	16:31	17:33	18:32	20:33	21:31	06:41 (6)	22:15	22:09	21:15	2 06:52 (6)	19:58	18:42	16:34	16:04
14	08:53	08:01	06:54	06:35	05:28	06:41 (6)	04:53	05:11	06:03	06:50 (6)	07:02	08:00	08:03	08:52
	16:33	17:36	18:34	20:35	21:33	06:41 (6)	22:15	22:08	21:12	3 06:53 (6)	19:56	18:39	16:32	16:03
15	08:52	07:59	06:51	06:32	05:26	06:41 (6)	04:52	05:12	06:05	06:51 (6)	07:04	08:02	08:05	08:53
	16:34	17:38	18:36	20:37	21:35	06:41 (6)	22:16	22:06	21:10	3 06:54 (6)	19:53	18:37	16:31	16:03
16	08:51	07:57	06:49	06:30	05:25	06:41 (6)	04:52	05:13	06:07	06:52 (6)	07:06	08:04	08:07	08:54
	16:36	17:40	18:38	20:39	21:37	06:41 (6)	22:17	22:05	21:08	3 06:55 (6)	19:51	18:34	16:29	16:03
17	08:50	07:55	06:46	06:27	05:23	06:41 (6)	04:52	05:15	06:09	06:52 (6)	07:08	08:06	08:09	08:55
	16:38	17:42	18:40	20:41	21:39	06:41 (6)	22:17	22:04	21:05	3 06:55 (6)	19:48	18:32	16:27	16:04
18	08:49	07:52	06:44	06:25	05:21	06:41 (6)	04:52	05:16	06:11	06:53 (6)	07:10	08:08	08:11	08:56
	16:40	17:44	18:42	20:43	21:40	06:41 (6)	22:18	22:03	21:03	4 06:57 (6)	19:46	18:29	16:26	16:04
19	08:47	07:50	06:41	06:23	05:19	06:41 (6)	04:52	05:18	06:13	06:54 (6)	07:12	08:10	08:13	08:57
	16:42	17:46	18:44	20:45	21:42	06:41 (6)	22:18	22:01	21:01	5 06:59 (6)	19:43	18:27	16:24	16:04
20	08:46	07:48	06:39	06:20	05:18	06:41 (6)	04:52	05:19	06:15	06:56 (6)	07:13	08:12	08:15	08:57
	16:44	17:48	18:46	20:47	21:44	06:41 (6)	22:18	22:00	20:58	5 07:01 (6)	19:40	18:25	16:23	16:04
21	08:45	07:46	06:36	06:18	05:16	06:41 (6)	04:52	05:21	06:17	06:57 (6)	07:15	08:14	08:17	08:58
	16:46	17:50	18:48	20:49	21:45	06:41 (6)	22:19	21:58	20:56	6 07:03 (6)	19:38	18:22	16:21	16:05
22	08:43	07:43	06:33	06:15	05:15	06:41 (6)	04:52	05:22	06:19	06:59 (6)	07:17	08:16	08:19	08:59
	16:48	17:53	18:50	20:51	21:47	06:41 (6)	22:19	21:57	20:54	14 07:16 (6)	19:35	18:20	16:20	16:05
23	08:42	07:41	06:31	06:13	05:13	06:41 (6)	04:53	05:24	06:21	07:04 (6)	07:19	08:18	08:21	08:59
	16:50	17:55	18:52	20:53	21:49	06:41 (6)	22:19	21:55	20:51	8 07:12 (6)	19:33	18:18	16:19	16:06
24	08:41	07:38	06:28	06:11	05:12	06:41 (6)	04:53	05:26	06:22	07:21	08:20	08:23	09:00	
	16:52	17:57	18:54	20:55	30 07:18 (6)	21:50	22:19	21:54	20:49	19:30	18:15	16:17	16:06	
25	08:39	07:36	06:26	06:08	05:10	06:41 (6)	04:53	05:27	06:24	07:23	07:22	08:24	09:00	
	16:54	17:59	18:56	20:57	33 07:19 (6)	21:52	22:19	21:52	20:46	19:27	17:13	16:16	16:07	
26	08:37	07:34	06:23	06:06	05:09	06:41 (6)	04:54	05:29	06:26	07:25	07:24	08:26	09:00	
	16:56	18:01	18:58	20:59	35 07:20 (6)	21:53	22:19	21:50	20:44	19:25	17:11	16:15	16:08	
27	08:36	07:31	06:21	06:04	05:08	06:41 (6)	04:54	05:31	06:28	07:27	07:26	08:28	09:00	
	16:58	18:03	18:59	21:01	37 07:21 (6)	21:55	22:19	21:49	20:42	19:22	17:09	16:14	16:08	
28	08:34	07:29	06:18	06:02	05:06	06:41 (6)	04:55	05:32	06:30	07:29	07:28	08:30	09:01	
	17:00	18:05	19:01	21:03	22 07:21 (6)	21:57	22:19	21:47	20:39	19:20	17:06	16:13	16:09	
29	08:33	07:15	05:59	05:59	05:05	06:41 (6)	04:55	05:34	06:32	07:31	07:30	08:31	09:01	
	17:02	08:03	21:05	15 07:22 (6)	21:58	22:18	22:18	21:45	20:37	19:17	17:04	16:12	16:10	
30	08:31	07:13	05:57	05:04	05:04	06:41 (6)	04:56	05:36	06:34	07:32	07:32	08:33	09:01	
	17:04	20:05	21:06	11 07:23 (6)	21:59	22:18	22:18	21:43	20:34	19:14	17:02	16:11	16:11	
31	08:29	07:10	06:03	05:03	05:03	06:41 (6)	04:56	05:38	06:36	07:34	07:34	08:35	09:01	
	17:06	20:07	21:08	22:01	22:01	06:41 (6)	04:56	21:41	20:32	17:00	17:00	16:12	16:12	
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224		
Total, worst case				261	9				65					
Sun reduction				0,39	0,52				0,51					
Oper. time red.				1,00	1,00				1,00					
Wind dir. red.				0,96	0,96				0,96					
Total reduction				0,38	0,50				0,50					
Total, real				99	4				32					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškis k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: X - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:57 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:11 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:52	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:24 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	08:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:02 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	08:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	05:59 20:03	05:59 21:05	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	08:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	05:57 20:05	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	08:33 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	05:55 20:07	05:55 21:07	05:03 22:01	04:55 22:19	05:38 21:41	06:36 20:32	07:34 17:00	08:34 16:00	08:34 16:00	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				277				32				
Sun reduction				0,39				0,51				
Oper. time red.				1,00				1,00				
Wind dir. red.				0,96				0,96				
Total reduction				0,38				0,50				
Total, real				105				16				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektrini (Īilutēs raj. sav. Usēnō ir Juknaiēiō sen.: Kavoliō, Stremeniō, Kūgeliō, Okslindpiō, Skieriō bei Menklaukiō kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** Y - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:57 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:11 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:00 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:01 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:00 19:40	07:13 18:25	08:12 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:01 19:38	07:15 18:22	08:14 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:04 19:35	07:17 18:20	08:16 16:20	08:59 16:05
23	08:42 16:50	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:09 19:33	07:19 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:54	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	07:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:02 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:05	06:15 19:01	05:59 21:03	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	06:13 19:01	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	06:10 19:02	05:56 21:07	05:03 22:01	05:38 22:19	05:38 21:41	06:36 20:32	07:34 17:00	07:34 16:00	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case				280					21			
Sun reduction				0,39					0,51			
Oper. time red.				1,00					1,00			
Wind dir. red.				0,96					0,96			
Total reduction				0,38					0,50			
Total, real				106					10			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: Z - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 13 columns for months (January to December) and 13 rows for hours (09:01 to 17:06). Includes a summary section at the bottom with 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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 +8 621 66746
 Raminta Survilė / r.surville@infraplanas.lt
 Calculated:
 2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** AA - Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (88)
 Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
 0 1 Sum
 4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:01	08:27	07:26	07:08	05:55	05:02	04:57	05:39	06:38	07:34	07:36	08:35	
	16:14	17:08	18:07	20:09	21:08	22:02	22:18	21:40	20:29	19:12	16:58	16:10	
2	09:00	08:26	07:24	07:05	05:53	05:01	04:57	05:41	06:39	07:36	07:38	08:36	
	16:15	17:10	18:09	20:11	21:10	22:03	22:17	21:38	20:27	19:09	16:55	16:09	
3	09:00	08:24	07:22	07:03	05:50	05:00	04:58	05:43	06:41	07:38	07:41	08:38	
	16:16	17:12	18:11	20:13	21:12	22:05	22:17	21:36	20:24	19:07	16:53	16:08	
4	09:00	08:22	07:19	07:00	05:48	04:59	04:59	05:45	06:43	07:40	07:43	08:40	
	16:17	17:14	18:13	20:15	21:14	22:06	22:16	21:34	20:22	19:04	16:51	16:07	
5	08:59	08:20	07:17	06:57	05:46	04:58	05:00	05:47	06:45	07:42	07:45	08:41	
	16:19	17:16	18:15	20:17	21:16	22:07	22:16	21:32	20:19	19:02	16:49	16:07	
6	08:59	08:18	07:14	06:55	05:44	04:57	05:01	05:49	06:47	07:44	07:47	08:43	
	16:20	17:19	18:17	20:19	21:18	22:08	22:15	21:30	20:16	18:59	16:47	16:06	
7	08:58	08:16	07:12	06:52	05:42	04:56	05:02	05:50	06:49	07:46	07:49	08:44	
	16:21	17:21	18:19	20:21	21:20	22:09	22:14	21:28	20:14	18:57	16:45	16:05	
8	08:58	08:14	07:09	06:50	05:40	04:56	05:03	05:52	06:51	07:48	07:51	08:45	
	16:23	17:23	18:22	20:23	21:22	22:10	22:14	21:25	20:11	18:54	16:43	16:05	
9	08:57	08:12	07:07	06:47	05:38	04:55	05:04	05:54	06:53	07:50	07:53	08:47	
	16:24	17:25	18:24	20:25	21:24	22:11	22:13	21:23	20:09	18:52	16:41	16:05	
10	08:56	08:10	07:04	06:45	05:36	04:54	05:05	05:56	06:55	07:52	07:55	08:48	
	16:26	17:27	18:26	20:27	21:26	22:12	22:12	21:21	20:06	18:49	16:40	16:04	
11	08:56	08:08	07:02	06:42	05:34	04:54	05:07	05:58	06:56	07:54	07:57	08:49	
	16:28	17:29	18:28	20:29	21:28	22:13	22:11	21:19	20:04	18:47	16:38	16:04	
12	08:55	08:06	06:59	06:40	05:32	04:53	05:08	06:00	06:58	07:56	07:59	08:50	
	16:29	17:31	18:30	20:31	21:29	22:14	22:10	21:17	20:01	18:44	16:36	16:04	
13	08:54	08:03	06:56	06:37	05:30	04:53	05:09	06:02	07:00	07:58	08:01	08:51	
	16:31	17:33	18:32	20:33	21:31	22:15	22:09	21:15	19:58	18:42	16:34	16:04	
14	08:53	08:01	06:54	06:35	05:28	04:53	05:11	06:03	07:02	08:00	08:03	08:52	
	16:33	17:36	18:34	20:35	21:33	22:15	22:08	21:12	19:56	18:39	16:32	16:03	
15	08:52	07:59	06:51	06:32	05:26	04:52	05:12	06:05	07:04	08:02	08:05	08:53	
	16:34	17:38	18:36	20:37	21:35	22:16	22:06	21:10	19:53	18:37	16:31	16:03	
16	08:51	07:57	06:49	06:30	05:25	04:52	05:13	06:07	07:06	08:04	08:07	08:54	
	16:36	17:40	18:38	20:39	21:37	22:17	22:05	21:08	19:51	18:34	16:29	16:03	
17	08:50	07:55	06:46	06:27	05:23	04:52	05:15	06:09	07:08	08:06	08:09	08:55	
	16:38	17:42	18:40	20:41	21:39	22:17	22:04	21:05	19:48	18:32	16:27	16:04	
18	08:49	07:52	06:44	06:25	05:21	04:52	05:16	06:11	07:10	08:08	08:11	08:56	
	16:40	17:44	18:42	20:43	21:40	22:18	22:03	21:03	19:46	18:29	16:26	16:04	
19	08:47	07:50	06:41	06:23	05:19	04:52	05:18	06:13	07:12	08:10	08:13	08:57	
	16:42	17:46	18:44	20:45	21:42	22:18	22:01	21:01	19:43	18:27	16:24	16:04	
20	08:46	07:48	06:39	06:20	05:18	04:52	05:19	06:15	07:13	08:12	08:15	08:57	
	16:44	17:48	18:46	20:47	21:44	22:18	22:00	20:58	19:40	18:25	16:23	16:04	
21	08:45	07:46	06:36	06:18	05:16	04:52	05:21	06:17	07:15	08:14	08:17	08:58	
	16:46	17:50	18:48	20:49	21:45	22:19	21:58	20:56	19:38	18:22	16:21	16:05	
22	08:43	07:43	06:33	06:15	05:15	04:52	05:22	06:19	07:17	08:16	08:19	08:59	
	16:48	17:53	18:50	20:51	21:47	22:19	21:57	20:54	3 07:13 (6)	07:17	08:16	08:59	
23	08:42	07:41	06:31	06:13	05:13	04:53	05:24	06:21	07:16 (6)	07:19	08:18	08:21	08:59
	16:50	17:55	18:52	20:53	21:49	22:19	21:55	20:51	6 07:18 (6)	07:19	08:18	16:19	16:06
24	08:41	07:38	06:28	06:11	05:12	04:53	05:26	06:22	07:14 (6)	07:21	08:20	08:23	09:00
	16:51	17:57	18:54	20:55	21:50	22:19	21:54	20:49	6 07:20 (6)	07:20	18:15	16:17	16:06
25	08:39	07:36	06:26	06:08	05:10	04:53	05:27	06:24	07:15 (6)	07:23	07:22	08:24	09:00
	16:53	17:59	18:56	20:57	21:52	22:19	21:52	20:46	8 07:23 (6)	07:23	17:13	16:16	16:07
26	08:37	07:34	06:23	06:06	05:09	04:54	05:29	06:26	07:17 (6)	07:25	07:24	08:26	09:00
	16:56	18:01	18:57	20:59	21:53	22:19	21:50	20:44	6 07:23 (6)	07:25	17:11	16:15	16:08
27	08:36	07:31	06:21	06:04	05:08	04:54	05:31	06:28	07:19 (6)	07:27	07:26	08:28	09:00
	16:58	18:03	18:59	21:01	21:55	22:19	21:49	20:42	6 07:25 (6)	07:22	17:08	16:14	16:08
28	08:34	07:29	06:18	06:01	05:06	04:55	05:32	06:30	07:23 (6)	07:29	07:28	08:30	09:01
	17:00	18:05	19:01	21:03	21:57	22:19	21:47	20:39	4 07:27 (6)	07:20	17:06	16:13	16:09
29	08:33		07:15	05:59	07:18 (6)	05:05	04:55	05:34	07:31	07:30	08:31	09:01	
	17:02		20:03	21:05	36 07:54 (6)	21:58	22:18	21:45	19:17	17:04	16:12	16:10	
30	08:31		07:13	05:57	07:21 (6)	05:04	04:56	05:36	07:32	07:32	08:33	09:01	
	17:04		20:05	21:06	33 07:54 (6)	21:59	22:18	21:43	19:14	17:02	16:11	16:11	
31	08:29		07:10		05:03		05:38	06:36		07:34		09:01	
	17:06		20:07		22:01		21:41	20:32		17:00		16:12	
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224	
Total, worst case				631				39					
Sun reduction				0,39				0,51					
Oper. time red.				1,00				1,00					
Wind dir. red.				0,98				0,98					
Total reduction				0,39				0,51					
Total, real				244				20					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AB - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (89) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for each day of the month, showing sun rise/set times, shadow reduction, and operational time. Includes summary rows for 'Potential sun hours' and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Oksliņņpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AC - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90) Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AD - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 13 columns (January to December) and multiple rows showing shadow calculations, including sun rise/set times, potential sun hours, and reduction factors.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēiņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Oksliņdņiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.52

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AE - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	07:54 (6) 08:02 (6)	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (6) 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	07:51 (6) 08:02 (6)	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (6) 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	07:48 (6) 08:00 (6)	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:37 (6) 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:11	07:19 18:13	07:00 20:15	07:46 (6) 07:58 (6)	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:38 (6) 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	07:45 (6) 07:58 (6)	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:38 (6) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:18	07:14 18:17	06:55 20:19	07:43 (6) 07:57 (6)	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:39 (6) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:42 (6) 07:56 (6)	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:40 (6) 18:57	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:40 (6) 07:55 (6)	05:40 21:22	04:56 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:41 (6) 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:39 (6) 07:55 (6)	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:42 (6) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:38 (6) 07:54 (6)	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:43 (6) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:37 (6) 07:54 (6)	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:46 (6) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:37 (6) 07:54 (6)	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:49 (6) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:36 (6) 07:53 (6)	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:54 (6) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:35 (6) 07:53 (6)	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:34 (6) 07:52 (6)	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:34 (6) 07:53 (6)	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:34 (6) 07:53 (6)	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:33 (6) 07:52 (6)	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:33 (6) 07:53 (6)	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:34 (6) 07:53 (6)	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:33 (6) 07:53 (6)	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:33 (6) 07:54 (6)	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:34 (6) 07:54 (6)	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:34 (6) 07:55 (6)	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:34 (6) 07:55 (6)	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	07:34 (6) 07:56 (6)	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	08:26 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:35 (6) 07:57 (6)	05:08 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	08:28 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:35 (6) 07:58 (6)	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	08:30 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	06:15 19:01	05:59 21:05	07:36 (6) 07:59 (6)	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	08:31 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	06:13 19:01	05:57 21:06	07:37 (6) 08:00 (6)	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	08:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	06:11 19:01	05:55 21:07	07:38 (6) 07:58 (6)	05:03 21:59	04:55 22:01	05:38 21:41	06:36 20:32	07:34 19:14	08:34 17:00	08:34 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	251	126	253	224
Total, worst case			26		530					251			
Sun reduction			0,34		0,39					0,40			
Oper. time red.			1,00		1,00					1,00			
Wind dir. red.			1,00		1,00					1,00			
Total reduction			0,34		0,39					0,40			
Total, real			9		209					99			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AF - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December	
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	07:54 (6) 08:02 (6)	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	08:07 (6) 19:12	07:34 16:58	07:36 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	07:53 (6) 08:02 (6)	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	08:04 (6) 19:09	07:36 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	07:51 (6) 08:00 (6)	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	08:00 (6) 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	07:50 (6) 07:58 (6)	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	08:08 (6) 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	07:49 (6) 07:58 (6)	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:43 (6) 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	07:48 (6) 07:57 (6)	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 (6) 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	07:47 (6) 07:56 (6)	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:44 (6) 18:57	07:46 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	07:46 (6) 07:55 (6)	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:45 (6) 18:54	07:48 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	07:46 (6) 07:55 (6)	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:46 (6) 18:52	07:50 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	07:44 (6) 07:44 (6)	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:45 (6) 18:49	07:52 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	07:44 (6) 07:54 (6)	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:47 (6) 18:47	07:54 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	07:44 (6) 07:54 (6)	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:48 (6) 18:44	07:56 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	07:43 (6) 07:53 (6)	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:49 (6) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	07:44 (6) 07:53 (6)	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	07:51 (6) 18:39	08:00 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	07:43 (6) 07:52 (6)	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	07:53 (6) 18:37	08:02 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	07:43 (6) 07:53 (6)	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	07:56 (6) 18:34	08:04 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	07:43 (6) 07:53 (6)	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:01 (6) 18:32	08:06 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	07:43 (6) 07:52 (6)	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	07:43 (6) 07:53 (6)	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	07:44 (6) 07:53 (6)	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	06:18 20:49	07:43 (6) 07:53 (6)	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	07:44 (6) 07:54 (6)	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	07:45 (6) 07:54 (6)	05:13 21:49	04:53 22:19	05:24 21:55	06:21 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	07:46 (6) 07:55 (6)	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	07:46 (6) 07:55 (6)	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	08:22 17:13	08:24 16:16	09:00 16:07
26	08:37 16:56	07:34 18:01	06:23 18:57	06:06 20:59	07:47 (6) 07:56 (6)	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	07:48 (6) 07:57 (6)	05:07 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	07:49 (6) 07:58 (6)	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02	07:27 18:03	06:15 19:03	05:59 21:05	07:50 (6) 08:01 (6)	05:05 21:05	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04	07:25 18:05	06:13 19:05	05:57 21:06	07:58 (6) 08:33 (6)	05:04 21:06	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06	07:20 18:07	06:10 19:07	05:55 21:07	07:57 (6) 08:36 (6)	05:03 21:07	05:38 22:01	06:36 21:41	07:34 20:32	19:14	07:34 17:00	09:01 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	281	326	253	224
Total, worst case			148	276						281			
Sun reduction			0,34	0,39						0,40			
Oper. time red.			1,00	1,00						1,00			
Wind dir. red.			1,00	1,00						1,00			
Total reduction			0,34	0,39						0,40			
Total, real			50	109						111			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskiy k., LT-54469 Kauno r. sav. +8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AG - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:01	08:27	07:26	07:08	07:59 (6)	05:55	05:02	04:57	05:39	06:38	08:07 (6)	07:34	07:36	08:35
	16:14	17:08	18:07	20:09	3 08:02 (6)	21:08	22:02	22:18	21:40	20:29	1 08:08 (6)	19:12	16:58	16:10
2	09:00	08:26	07:24	07:05	07:59 (6)	05:53	05:01	04:57	05:41	06:39	08:04 (6)	07:36	07:38	08:36
	16:15	17:10	18:09	20:11	3 08:02 (6)	21:10	22:03	22:17	21:38	20:27	4 08:08 (6)	19:09	16:55	16:09
3	09:00	08:24	07:22	07:03	07:57 (6)	05:50	05:00	04:58	05:43	06:41	08:00 (6)	07:38	07:41	08:38
	16:16	17:12	18:11	20:13	3 08:00 (6)	21:12	22:05	22:17	21:36	20:24	8 08:08 (6)	19:07	16:53	16:08
4	09:00	08:22	07:19	07:00	07:56 (6)	05:48	04:59	04:59	05:45	06:43	7 07:52 (6)	07:40	07:43	08:40
	16:17	17:14	18:13	20:15	2 07:58 (6)	21:14	22:06	22:16	21:34	20:22	16 08:08 (6)	19:04	16:51	16:07
5	08:59	08:20	07:17	06:57	07:56 (6)	05:46	04:58	05:00	05:47	06:45	07:51 (6)	07:42	07:45	08:41
	16:19	17:16	18:15	20:17	2 07:58 (6)	21:16	22:07	22:16	21:32	20:19	16 08:07 (6)	19:02	16:49	16:07
6	08:59	08:18	07:14	06:55	07:55 (6)	05:44	04:57	05:01	05:49	06:47	07:51 (6)	07:44	07:47	08:43
	16:20	17:19	18:17	20:19	2 07:57 (6)	21:18	22:08	22:15	21:30	20:16	16 08:07 (6)	18:59	16:47	16:06
7	08:58	08:16	07:12	06:52	07:55 (6)	05:42	04:56	05:02	05:50	06:49	07:51 (6)	07:46	07:49	08:44
	16:21	17:21	18:19	20:21	1 07:56 (6)	21:20	22:09	22:14	21:28	20:14	16 08:07 (6)	18:57	16:45	16:05
8	08:58	08:14	07:09	06:50	07:54 (6)	05:40	04:55	05:03	05:52	06:51	07:51 (6)	07:48	07:51	08:45
	16:23	17:23	18:22	20:23	1 07:55 (6)	21:22	22:10	22:14	21:25	20:11	16 08:07 (6)	18:54	16:43	16:05
9	08:57	08:12	07:07	06:47	07:54 (6)	05:38	04:55	05:04	05:54	06:53	07:51 (6)	07:50	07:53	08:47
	16:24	17:25	18:24	20:25	1 07:55 (6)	21:24	22:11	22:13	21:23	20:09	16 08:07 (6)	18:52	16:41	16:05
10	08:56	08:10	07:04	06:45	07:53 (6)	05:36	04:54	05:05	05:56	06:55	07:51 (6)	07:52	07:55	08:48
	16:26	17:27	18:26	20:27	1 07:58 (6)	21:26	22:12	22:12	21:21	20:06	15 08:06 (6)	18:49	16:40	16:04
11	08:56	08:08	07:02	06:42	07:53 (6)	05:34	04:54	05:07	05:58	06:56	07:51 (6)	07:54	07:57	08:49
	16:28	17:29	18:28	20:29	1 07:54 (6)	21:28	22:13	22:11	21:19	20:04	16 08:07 (6)	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40	07:53 (6)	05:32	04:53	05:08	06:00	06:58	07:52 (6)	07:56	07:59	08:50
	16:29	17:31	18:30	20:31	07:54 (6)	21:29	22:14	22:10	21:17	20:01	15 08:07 (6)	18:44	16:36	16:04
13	08:54	08:03	06:56	06:37	07:54 (6)	05:30	04:53	05:09	06:02	07:00	07:53 (6)	07:58	08:01	08:51
	16:31	17:33	18:32	20:33	07:55 (6)	21:31	22:15	22:09	21:15	19:58	15 08:08 (6)	18:42	16:34	16:04
14	08:53	08:01	06:54	06:35	07:55 (6)	05:28	04:53	05:10	06:03	07:02	07:53 (6)	08:00	08:03	08:52
	16:33	17:36	18:34	20:35	07:56 (6)	21:33	22:15	22:08	21:12	19:56	15 08:08 (6)	18:39	16:32	16:03
15	08:52	07:59	06:51	06:32	07:56 (6)	05:26	04:52	05:12	06:05	07:04	07:54 (6)	08:02	08:05	08:53
	16:34	17:38	18:36	20:37	07:57 (6)	21:35	22:16	22:06	21:10	19:53	15 08:09 (6)	18:37	16:31	16:03
16	08:51	07:57	06:49	06:30	07:57 (6)	05:25	04:52	05:13	06:07	07:06	07:55 (6)	08:04	08:07	08:54
	16:36	17:40	18:38	20:39	07:58 (6)	21:37	22:17	22:05	21:08	19:51	14 08:09 (6)	18:34	16:29	16:03
17	08:50	07:55	06:46	06:27	07:58 (6)	05:23	04:52	05:15	06:09	07:08	07:56 (6)	08:06	08:09	08:55
	16:38	17:42	18:40	20:41	07:59 (6)	21:39	22:17	22:04	21:05	19:48	14 08:10 (6)	18:32	16:27	16:04
18	08:49	07:52	06:44	06:25	07:59 (6)	05:21	04:52	05:16	06:11	07:10	07:57 (6)	08:08	08:11	08:56
	16:40	17:44	18:42	20:43	07:59 (6)	21:40	22:18	22:03	21:03	19:46	13 08:11 (6)	18:29	16:26	16:04
19	08:47	07:50	06:41	06:23	07:59 (6)	05:19	04:52	05:18	06:13	07:12	08:00 (6)	08:10	08:13	08:57
	16:42	17:46	18:44	20:45	07:59 (6)	21:42	22:18	22:01	21:01	19:43	12 08:12 (6)	18:27	16:24	16:04
20	08:46	07:48	06:39	06:20	07:59 (6)	05:18	04:52	05:19	06:15	07:13	08:03 (6)	08:12	08:15	08:57
	16:44	17:48	18:46	20:47	07:59 (6)	21:44	22:18	22:00	20:58	19:40	11 08:14 (6)	18:25	16:23	16:04
21	08:45	07:46	06:36	06:18	07:59 (6)	05:16	04:52	05:21	06:17	07:15	08:08 (6)	08:14	08:17	08:58
	16:46	17:50	18:48	20:49	07:59 (6)	21:45	22:19	21:58	20:56	19:38	7 08:15 (6)	18:22	16:21	16:05
22	08:43	07:43	06:33	06:15	07:59 (6)	05:15	04:52	05:22	06:19	07:17	08:16	08:16	08:19	08:59
	16:48	17:53	18:50	20:51	07:59 (6)	21:47	22:19	21:57	20:54	19:35	18:20	16:20	16:05	
23	08:42	07:41	06:31	06:13	07:59 (6)	05:13	04:53	05:24	06:21	07:19	08:18	08:21	08:59	
	16:49	17:55	18:52	20:53	07:59 (6)	21:49	22:19	21:55	20:51	19:33	18:18	16:19	16:06	
24	08:41	07:38	06:28	06:11	07:59 (6)	05:12	04:53	05:26	06:22	07:21	08:20	08:23	09:00	
	16:51	17:57	18:54	20:55	07:59 (6)	21:50	22:19	21:54	20:49	19:30	18:15	16:17	16:06	
25	08:39	07:36	06:26	06:08	07:59 (6)	05:10	04:53	05:27	06:24	07:23	07:22	08:24	09:00	
	16:53	17:59	18:56	20:57	07:59 (6)	21:52	22:19	21:52	20:46	19:27	17:13	16:16	16:07	
26	08:37	07:34	06:23	06:06	07:59 (6)	05:09	04:54	05:29	06:26	07:25	07:24	08:26	09:00	
	16:56	18:01	18:57	20:59	07:59 (6)	21:53	22:19	21:50	20:44	19:25	17:11	16:15	16:08	
27	08:36	07:31	06:21	06:04	07:59 (6)	05:07	04:54	05:31	06:28	07:27	07:26	08:28	09:00	
	16:58	18:03	18:59	20:61	07:59 (6)	21:55	22:19	21:49	20:42	19:22	17:08	16:14	16:08	
28	08:34	07:29	06:18	06:01	07:59 (6)	05:06	04:55	05:32	06:30	07:29	07:28	08:30	09:01	
	17:00	18:05	19:01	21:03	07:59 (6)	21:57	22:19	21:47	20:39	19:20	17:06	16:13	16:09	
29	08:33	07:25	06:15	06:03	07:59 (6)	05:05	04:55	05:34	06:32	07:31	07:30	08:31	09:01	
	17:02	18:03	19:03	21:05	07:59 (6)	21:58	22:18	21:45	20:37	19:17	17:04	16:12	16:10	
30	08:31	07:13	06:03	05:57	07:59 (6)	05:04	04:56	05:36	06:34	07:32	07:32	08:33	09:01	
	17:04	18:05	19:05	21:06	07:59 (6)	21:59	22:18	21:43	20:34	19:14	17:02	16:11	16:11	
31	08:29	07:10	06:01	05:53	07:59 (6)	05:03	04:58	05:38	06:36	07:34	07:34	08:35	09:01	
	17:06	18:07	19:07	21:07	07:59 (6)	22:01	22:21	21:41	20:32	19:14	17:00	16:11	16:12	
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224		
Total, worst case			336	20						271				
Sun reduction			0,34	0,39						0,40				
Oper. time red.			1,00	1,00						1,00				
Wind dir. red.			1,00	1,00						1,00				
Total reduction			0,34	0,39						0,39				
Total, real			114	8						107				

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Sun set (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	(WTG causing flicker first time)	(WTG causing flicker last time)
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Project:

8 VE Āilutēs r.

Description:

Vējo elektrini (Āilutēs raj. sav. Usēņo ir Juknaiēi sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down **Shadow receptor:** AH - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December		
1	09:01	08:27	07:26	07:08	05:55	05:02	04:57	05:39	06:38	08:07 (6)	07:34	07:36	08:35	
	16:14	17:08	18:07	20:09	21:08	22:02	22:18	21:40	20:29	1	08:08 (6)	19:12	16:58	16:10
2	09:00	08:26	07:24	07:05	05:53	05:01	04:57	05:41	06:39	08:04 (6)	07:36	07:38	08:36	
	16:15	17:10	18:09	20:11	21:10	22:03	22:17	21:38	20:27	4	08:08 (6)	19:09	16:55	16:09
3	09:00	08:24	07:22	07:03	05:50	05:00	04:58	05:43	06:41	08:02 (6)	07:38	07:41	08:38	
	16:16	17:12	18:11	20:13	21:12	22:05	22:17	21:36	20:24	6	08:08 (6)	19:07	16:53	16:08
4	09:00	08:22	07:19	07:00	05:48	04:59	04:59	05:45	06:43	08:02 (6)	07:40	07:43	08:40	
	16:17	17:14	18:13	20:15	21:14	22:06	22:16	21:34	20:22	6	08:08 (6)	19:04	16:51	16:07
5	08:59	08:20	07:17	06:57	05:46	04:58	05:00	05:47	06:45	08:00 (6)	07:42	07:45	08:41	
	16:19	17:16	18:15	20:17	21:16	22:07	22:16	21:32	20:19	7	08:07 (6)	19:02	16:49	16:07
6	08:59	08:18	07:14	06:55	05:44	04:57	05:01	05:49	06:47	08:00 (6)	07:44	07:47	08:43	
	16:20	17:19	18:17	20:19	21:18	22:08	22:15	21:30	20:16	7	08:07 (6)	18:59	16:47	16:06
7	08:58	08:16	07:12	06:52	05:42	04:56	05:02	05:50	06:49	08:00 (6)	07:46	07:49	08:44	
	16:21	17:21	18:19	20:21	21:20	22:09	22:14	21:28	20:14	7	08:07 (6)	18:57	16:45	16:05
8	08:58	08:14	07:09	06:50	05:40	04:55	05:03	05:52	06:51	08:00 (6)	07:48	07:51	08:45	
	16:23	17:23	18:22	20:23	21:22	22:10	22:14	21:25	20:11	7	08:07 (6)	18:54	16:43	16:05
9	08:57	08:12	07:07	06:47	05:38	04:55	05:04	05:54	06:53	08:00 (6)	07:50	07:53	08:47	
	16:24	17:25	18:24	20:25	21:24	22:11	22:13	21:23	20:09	7	08:07 (6)	18:52	16:41	16:05
10	08:56	08:10	07:04	06:45	05:36	04:54	05:05	05:56	06:55	07:59 (6)	07:52	07:55	08:48	
	16:26	17:27	18:26	20:27	21:26	22:12	22:12	21:21	20:06	7	08:06 (6)	18:49	16:40	16:04
11	08:56	08:08	07:02	06:42	05:34	04:54	05:07	05:58	06:56	07:59 (6)	07:54	07:57	08:49	
	16:28	17:29	18:28	20:29	21:28	22:13	22:11	21:19	20:04	8	08:07 (6)	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40	05:32	04:53	05:08	06:00	06:58	07:59 (6)	07:56	07:59	08:50	
	16:29	17:31	18:30	20:31	21:29	22:14	22:10	21:17	20:01	8	08:07 (6)	18:44	16:36	16:04
13	08:54	08:03	06:56	06:37	05:30	04:53	05:09	06:02	07:00	07:59 (6)	07:58	08:01	08:51	
	16:31	17:33	18:32	20:33	21:31	22:15	22:09	21:15	19:58	9	08:08 (6)	18:42	16:34	16:04
14	08:53	08:01	06:54	06:35	05:28	04:53	05:10	06:03	07:02	07:59 (6)	08:00	08:03	08:52	
	16:33	17:36	18:34	20:35	21:33	22:15	22:08	21:12	19:56	9	08:08 (6)	18:39	16:32	16:03
15	08:52	07:59	06:51	06:32	05:26	04:52	05:12	06:05	07:04	08:00 (6)	08:02	08:05	08:53	
	16:34	17:38	18:36	20:37	21:35	22:16	22:06	21:10	19:53	9	08:09 (6)	18:37	16:31	16:03
16	08:51	07:57	06:49	06:30	05:25	04:52	05:13	06:07	07:06	07:59 (6)	08:04	08:07	08:54	
	16:36	17:40	18:38	20:39	21:37	22:17	22:05	21:08	19:51	10	08:09 (6)	18:34	16:29	16:03
17	08:50	07:55	06:46	06:27	05:23	04:52	05:15	06:09	07:08	08:00 (6)	08:06	08:09	08:55	
	16:38	17:42	18:40	20:41	21:39	22:17	22:04	21:05	19:48	10	08:10 (6)	18:32	16:27	16:04
18	08:49	07:52	06:44	06:25	05:21	04:52	05:16	06:11	07:10	08:01 (6)	08:08	08:11	08:56	
	16:40	17:44	18:42	8	07:42 (6)	20:43	21:40	22:18	22:03	21:03 (6)	18:29	16:26	16:04	
19	08:47	07:50	06:41	06:23	05:19	04:52	05:18	06:13	07:12	08:02 (6)	08:10	08:13	08:57	
	16:42	17:46	18:44	20	07:48 (6)	20:45	21:42	22:18	22:01	21:01 (6)	18:27	16:24	16:04	
20	08:46	07:48	06:39	06:20	05:18	04:52	05:19	06:15	07:13	08:12 (6)	08:12	08:15	08:57	
	16:44	17:48	18:46	27	07:51 (6)	20:47	21:44	22:18	22:00	08:14 (6)	18:25	16:23	16:04	
21	08:45	07:46	06:36	06:18	05:16	04:52	05:20	06:17	07:15	08:04 (6)	08:14	08:17	08:58	
	16:46	17:50	18:48	32	07:53 (6)	20:49	21:45	22:19	21:58	08:15 (6)	18:22	16:21	16:05	
22	08:43	07:43	06:33	06:15	05:15	04:52	05:22	06:19	07:17	08:06 (6)	08:16	08:19	08:59	
	16:48	17:53	18:50	36	07:55 (6)	20:51	21:47	22:19	21:57	08:17 (6)	18:20	16:20	16:05	
23	08:42	07:41	06:31	06:13	05:13	04:52	05:24	06:21	07:19	08:08 (6)	08:18	08:21	08:59	
	16:49	17:55	18:52	39	07:56 (6)	20:53	21:49	22:19	21:55	08:20 (6)	18:18	16:19	16:06	
24	08:41	07:38	06:28	06:11	05:12	04:53	05:26	06:22	07:21	08:10 (6)	08:20	08:23	09:00	
	16:51	17:57	18:54	42	07:57 (6)	20:55	21:50	22:19	21:54	08:22 (6)	18:15	16:17	16:06	
25	08:39	07:36	06:26	06:08	05:10	04:53	05:27	06:24	07:23	08:14 (6)	07:22	08:24	09:00	
	16:53	17:59	18:56	45	07:58 (6)	20:57	21:52	22:19	21:52	08:27 (6)	17:13	16:16	16:07	
26	08:37	07:34	06:23	06:06	05:09	04:54	05:29	06:26	07:25		07:24	08:26	09:00	
	16:56	18:01	18:57	46	07:58 (6)	20:59	21:53	22:19	21:50		17:11	16:15	16:08	
27	08:36	07:31	06:21	06:04	05:07	04:54	05:31	06:28	07:27		07:26	08:28	09:00	
	16:58	18:03	18:59	48	07:59 (6)	21:01	21:55	22:19	21:49		17:08	16:14	16:08	
28	08:34	07:29	06:18	06:01	05:06	04:55	05:32	06:30	07:29		07:28	08:30	09:01	
	17:00	18:05	19:01	50	07:59 (6)	21:03	21:57	22:19	21:47		17:06	16:13	16:09	
29	08:33	07:15	06:05	05:05	05:05	04:55	05:34	06:32	07:31		07:30	08:31	09:01	
	17:02	18:07	19:03	51	09:00 (6)	21:05	21:58	22:18	21:45		17:04	16:12	16:10	
30	08:31	07:13	06:03	05:07	05:04	04:56	05:36	06:34	07:32		07:32	08:33	09:01	
	17:04	18:09	19:05	52	09:00 (6)	21:06	21:59	22:18	21:43		17:02	16:11	16:11	
31	08:29	07:10	06:00	05:03	05:03		05:38	06:36			07:34		09:01	
	17:06	18:11	19:07	54	09:01 (6)	22:01	22:01	21:41	20:32		17:00		16:12	
Potential sun hours	242	269	366		423	501	520	465	383		326	253	224	
Total, worst case			550						212					
Sun reduction			0,34						0,40					
Oper. time red.			1,00						1,00					
Wind dir. red.			0,99						0,99					
Total reduction			0,34						0,39					
Total, real			186						83					

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)	Last time (hh:mm) with flicker	(WTG causing flicker last time)
	Minutes with flicker		

Project:

8 VE Ģilutēs r.

Description:

Vējo elektriniņ (Ģilutēs raj. sav. Usēņo ir Juknaiēiņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Oksliņdiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AI - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	07:44 18:59	07:47 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	08:07 (6) 18:42	07:58 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	1 08:08 (6) 18:39	08:00 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	07:37 (6) 20:37	06:32 21:35	05:26 22:16	04:52 22:06	05:12 21:10	06:05 19:53	08:07 (6) 18:37	08:02 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	07:33 (6) 20:39	06:30 21:37	05:25 22:17	04:52 22:05	05:13 21:08	06:07 19:51	2 08:09 (6) 18:34	07:06 16:29	08:04 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	08:01 (6) 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	3 08:09 (6) 18:32	08:06 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	07:29 (6) 20:43	06:25 21:40	05:21 22:18	04:52 22:03	05:16 21:03	06:11 19:46	4 08:07 (6) 18:29	08:08 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	07:27 (6) 20:45	06:23 21:42	05:19 22:18	04:52 22:01	05:18 21:01	06:13 19:43	5 08:12 (6) 18:27	07:12 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	08:07 (6) 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	6 08:14 (6) 18:25	07:13 16:23	08:57 16:04
21	08:45 16:46	07:46 17:50	06:36 18:48	07:23 (6) 20:49	06:18 21:45	05:16 22:19	04:52 21:58	05:21 21:58	06:17 19:38	7 08:15 (6) 18:22	07:15 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	08:08 (6) 20:51	06:15 21:47	05:15 22:19	04:52 21:57	05:22 20:54	06:19 19:35	8 08:17 (6) 18:20	07:17 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	07:21 (6) 20:53	06:13 21:49	05:13 22:19	04:52 21:55	05:24 20:51	06:20 19:33	9 08:18 (6) 18:18	07:19 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	08:10 (6) 20:55	06:11 21:50	05:12 22:19	04:53 21:54	05:26 20:49	06:22 19:30	10 08:19 (6) 18:15	07:21 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	07:19 (6) 20:57	06:08 21:52	05:10 22:19	04:53 21:52	05:27 20:46	06:24 19:27	11 08:20 (6) 17:13	07:23 16:16	09:00 16:07
26	08:38 16:56	07:34 18:01	06:23 18:57	08:11 (6) 20:59	06:06 21:53	05:09 22:19	04:54 21:50	05:29 20:44	06:26 19:25	12 08:21 (6) 17:11	07:25 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	08:10 (6) 21:01	06:04 21:55	05:07 22:19	04:54 21:49	05:31 20:42	06:28 19:22	13 08:22 (6) 17:08	07:27 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	07:17 (6) 21:03	06:01 21:57	05:06 22:19	04:55 21:47	05:32 20:39	06:30 19:20	14 08:23 (6) 17:06	07:29 16:13	09:01 16:09
29	08:33 17:02	07:15 18:03	07:15 20:03	08:17 (6) 21:05	05:59 21:58	05:05 22:18	04:55 21:45	05:34 20:37	06:32 19:17	15 08:24 (6) 17:04	07:31 16:12	09:01 16:10
30	08:31 17:04	07:13 18:05	07:13 20:05	08:16 (6) 21:06	05:57 21:59	05:04 22:18	04:56 21:43	05:36 20:34	07:32 19:14	16 08:25 (6) 17:02	07:32 16:11	09:01 16:11
31	08:29 17:06	07:10 18:07	07:10 20:07	08:16 (6) 21:07	05:03 22:01	05:03 22:01	05:38 21:41	06:36 20:32	07:34 19:00	17 08:26 (6) 17:00	07:34 16:00	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			778						199			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,98						0,98			
Total reduction			0,34						0,39			
Total, real			261						77			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)



Project:

8 VE Īilutēs r.

Description:

Vējo elektrini (Īilutēs raj. sav. Usēņo ir Juknaiēi sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliškių k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AJ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97) Sunshine probability S (Average daily sunshine hours) [KLAIPĒDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	07:08 20:09	05:55 21:08	05:02 22:02	04:57 22:18	05:39 21:40	06:38 20:29	07:34 19:12	07:36 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	07:05 20:11	05:53 21:10	05:01 22:03	04:57 22:17	05:41 21:38	06:39 20:27	07:36 19:09	07:38 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	07:03 20:13	05:50 21:12	05:00 22:05	04:58 22:17	05:43 21:36	06:41 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	07:00 20:15	05:48 21:14	04:59 22:06	04:59 22:16	05:45 21:34	06:43 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:47 21:32	06:45 20:19	08:06 (6) 19:02	07:42 16:49	07:45 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	06:47 20:16	08:06 (6) 18:59	07:44 16:47	07:47 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	08:06 (6) 18:57	07:46 16:45	07:49 16:05
8	08:58 16:23	08:14 17:23	07:09 18:22	06:50 20:23	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	06:51 20:11	08:06 (6) 18:54	07:48 16:43	07:51 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	08:06 (6) 18:52	07:50 16:41	07:53 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	08:05 (6) 18:49	07:52 16:40	07:55 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	08:05 (6) 18:47	07:54 16:38	07:57 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	08:05 (6) 18:44	07:59 16:36	07:59 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	08:05 (6) 18:42	07:58 16:34	08:01 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	08:03 (6) 18:39	08:00 16:32	08:03 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:06 (6) 18:37	08:02 16:31	08:05 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:05 (6) 18:34	08:04 16:29	08:07 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	07:39 (6) 07:55 (6)	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	08:09 (6) 19:48	08:06 18:32	08:09 16:27
18	08:49 16:40	07:52 17:44	06:44 18:42	07:34 (6) 07:59 (6)	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	08:06 (6) 19:46	08:08 18:29	08:11 16:26
19	08:47 16:42	07:50 17:46	06:41 18:44	07:31 (6) 08:02 (6)	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	08:07 (6) 19:43	08:10 18:27	08:13 16:24
20	08:46 16:44	07:48 17:48	06:39 18:46	07:28 (6) 08:04 (6)	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	08:08 (6) 19:40	08:12 18:25	08:15 16:23
21	08:45 16:46	07:46 17:50	06:36 18:48	07:26 (6) 08:05 (6)	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	08:09 (6) 19:38	08:14 18:22	08:17 16:21
22	08:43 16:48	07:43 17:53	06:33 18:50	07:24 (6) 08:07 (6)	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	08:11 (6) 19:35	08:16 18:20	08:19 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	07:22 (6) 08:08 (6)	06:13 20:53	05:13 21:49	04:52 22:19	05:24 21:55	06:20 20:51	08:12 (6) 19:33	08:18 18:18	08:21 16:19
24	08:41 16:51	07:38 17:57	06:28 18:54	07:21 (6) 08:10 (6)	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	08:13 (6) 19:30	08:20 18:15	08:23 16:17
25	08:39 16:53	07:36 17:59	06:26 18:56	07:19 (6) 08:10 (6)	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	08:16 (6) 19:27	07:22 17:13	08:24 16:16
26	08:37 16:56	07:34 18:01	06:23 18:57	07:17 (6) 08:10 (6)	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	08:19 (6) 19:25	07:24 17:11	08:26 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	07:17 (6) 08:11 (6)	06:04 21:01	05:07 21:55	04:54 22:19	05:31 21:49	06:28 20:42	08:27 (6) 19:22	07:26 17:08	08:28 16:14
28	08:34 17:00	07:29 18:05	06:18 19:01	07:15 (6) 08:11 (6)	06:01 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	08:31 (6) 19:20	07:28 17:06	08:30 16:13
29	08:33 17:02	07:15 18:03	06:15 19:01	08:15 (6) 09:12 (6)	05:59 21:05	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12
30	08:31 17:04	07:13 18:05	06:13 19:01	08:14 (6) 09:12 (6)	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11
31	08:29 17:06	07:10 18:07	06:10 19:07	08:14 (6) 09:12 (6)	05:03 22:01	05:03 22:01	05:38 21:41	06:36 20:32	07:34 19:00	07:34 17:00	07:34 16:12	09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case			672						109			
Sun reduction			0,34						0,40			
Oper. time red.			1,00						1,00			
Wind dir. red.			0,99						0,99			
Total reduction			0,34						0,39			
Total, real			226						43			

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Īilutēs r.

Description:

Vējo elektrini (Īilutēs raj. sav. Usēņo ir Juknaiēš sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindpiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AK - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)
Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and multiple rows for time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AL - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for hourly sun times and reduction factors. Includes a summary row at the bottom for 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AM - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)
Assumptions for shadow calculations
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time intervals (09:01 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

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+8 621 66746

Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AN - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01 16:14	08:27 17:08	07:26 18:07	08:39 (6) 20:09	07:08 21:08	05:55 22:02	05:02 22:18	04:57 21:40	05:39 20:29	06:38 19:12	07:34 16:58	08:35 16:10
2	09:00 16:15	08:26 17:10	07:24 18:09	08:38 (6) 20:11	07:05 21:10	05:53 22:03	05:00 22:17	04:57 21:38	05:41 20:27	06:39 19:09	07:36 16:55	08:36 16:09
3	09:00 16:16	08:24 17:12	07:22 18:11	08:38 (6) 20:13	07:03 21:12	05:50 22:05	05:03 22:17	04:58 21:36	05:43 20:24	06:41 19:07	07:38 16:53	08:38 16:08
4	09:00 16:17	08:22 17:14	07:19 18:13	08:37 (6) 20:15	07:00 21:14	05:48 22:06	04:59 22:16	04:59 21:34	05:45 20:22	06:43 19:04	07:40 16:51	08:40 16:07
5	08:59 16:19	08:20 17:16	07:17 18:15	06:57 20:17	05:46 21:16	04:58 22:07	05:00 22:16	05:00 21:32	05:47 20:19	06:45 19:02	07:42 16:49	08:41 16:07
6	08:59 16:20	08:18 17:19	07:14 18:17	06:55 20:19	05:44 21:18	04:57 22:08	05:01 22:15	05:49 21:30	05:49 20:16	06:47 18:59	07:44 16:47	08:43 16:06
7	08:58 16:21	08:16 17:21	07:12 18:19	06:52 20:21	05:42 21:20	04:56 22:09	05:02 22:14	05:50 21:28	06:49 20:14	07:46 18:57	07:49 16:45	08:44 16:05
8	08:58 16:23	08:14 17:23	07:09 18:21	06:50 20:23	05:40 21:22	04:55 22:10	05:03 22:14	05:52 21:25	07:48 20:11	07:48 18:54	07:51 16:43	08:45 16:05
9	08:57 16:24	08:12 17:25	07:07 18:24	06:47 20:25	05:38 21:24	04:55 22:11	05:04 22:13	05:54 21:23	06:53 20:09	07:50 18:52	07:53 16:41	08:47 16:05
10	08:56 16:26	08:10 17:27	07:04 18:26	06:45 20:27	05:36 21:26	04:54 22:12	05:05 22:12	05:56 21:21	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	08:56 16:28	08:08 17:29	07:02 18:28	06:42 20:29	05:34 21:28	04:54 22:13	05:07 22:11	05:58 21:19	06:56 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	08:55 16:29	08:06 17:31	06:59 18:30	06:40 20:31	05:32 21:29	04:53 22:14	05:08 22:10	06:00 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:50 16:04
13	08:54 16:31	08:03 17:33	06:56 18:32	06:37 20:33	05:30 21:31	04:53 22:15	05:09 22:09	06:02 21:15	07:00 19:58	07:58 18:42	08:01 16:34	08:51 16:04
14	08:53 16:33	08:01 17:36	06:54 18:34	06:35 20:35	05:28 21:33	04:53 22:15	05:10 22:08	06:03 21:12	07:02 19:56	08:00 18:39	08:03 16:32	08:52 16:03
15	08:52 16:34	07:59 17:38	06:51 18:36	06:32 20:37	05:26 21:35	04:52 22:16	05:12 22:06	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:53 16:03
16	08:51 16:36	07:57 17:40	06:49 18:38	06:30 20:39	05:25 21:37	04:52 22:17	05:13 22:05	06:07 21:08	07:06 19:51	08:04 18:34	08:07 16:29	08:54 16:03
17	08:50 16:38	07:55 17:42	06:46 18:40	06:27 20:41	05:23 21:39	04:52 22:17	05:15 22:04	06:09 21:05	07:08 19:48	08:06 18:32	08:09 16:27	08:55 16:04
18	08:49 16:40	07:52 17:44	06:44 18:42	06:25 20:43	05:21 21:40	04:52 22:18	05:16 22:03	06:11 21:03	07:10 19:46	08:08 18:29	08:11 16:26	08:56 16:04
19	08:47 16:42	07:50 17:46	06:41 18:44	06:23 20:45	05:19 21:42	04:52 22:18	05:18 22:01	06:13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	08:46 16:44	07:48 17:48	06:39 18:46	06:20 20:47	05:18 21:44	04:52 22:18	05:19 22:00	06:15 20:58	07:13 19:40	08:12 18:25	08:15 16:23	08:57 16:04
21	08:45 16:46	07:46 17:48	06:36 18:48	06:18 20:49	05:16 21:45	04:52 22:19	05:21 21:58	06:17 20:56	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	08:43 16:48	07:43 17:53	06:33 18:50	06:15 20:51	05:15 21:47	04:52 22:19	05:22 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	08:42 16:49	07:41 17:55	06:31 18:52	06:13 20:53	05:13 21:49	04:52 22:19	05:24 21:55	06:20 20:51	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	08:41 16:51	07:38 17:57	06:28 18:54	06:11 20:55	05:12 21:50	04:53 22:19	05:26 21:54	06:22 20:49	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	08:39 16:53	07:36 17:59	06:26 18:56	06:08 20:57	05:10 21:52	04:53 22:19	05:27 21:52	06:24 20:46	07:23 19:27	07:22 17:13	08:24 16:16	09:00 16:07
26	08:38 16:55	07:34 18:01	06:23 18:57	06:06 20:59	05:09 21:53	04:54 22:19	05:29 21:50	06:26 20:44	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	08:36 16:58	07:31 18:03	06:21 18:59	06:04 21:01	05:07 21:55	04:54 22:19	05:31 21:49	06:28 20:42	07:27 19:22	07:26 17:08	08:28 16:14	09:00 16:08
28	08:34 17:00	07:29 18:05	06:18 19:01	06:01 21:03	05:06 21:57	04:55 22:19	05:32 21:47	06:30 20:39	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	08:33 17:02		07:15 20:03	05:59 21:05	05:05 21:58	04:55 22:18	05:34 21:45	06:32 20:37	07:31 19:17	07:30 17:04	08:31 16:12	09:01 16:10
30	08:31 17:04		07:13 20:05	05:57 21:06	05:04 21:59	04:56 22:18	05:36 21:43	06:34 20:34	07:32 19:14	07:32 17:02	08:33 16:11	09:01 16:11
31	08:29 17:06		07:10 20:07		05:03 22:01	05:38 21:41	06:36 20:32		07:34 17:00			09:01 16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case		690	4							113		
Sun reduction		0,25	0,34							0,31		
Oper. time red.		1,00	1,00							1,00		
Wind dir. red.		0,84	0,84							0,84		
Total reduction		0,21	0,29							0,26		
Total, real		142	1							29		

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AO - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)
Assumptions for shadow calculations

Shine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with 12 columns for months (January to December) and rows for hourly intervals (09:00 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Inovacijų k. 3, Biruliskiy k.,
LT-54469 Kauno r. sav.
+8 621 66746
Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AP - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for time slots (09:00 to 17:06). Includes summary rows for 'Potential sun hours', 'Total, worst case', 'Sun reduction', 'Oper. time red.', 'Wind dir. red.', 'Total reduction', and 'Total, real'.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelė, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AQ - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (104) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns (January to December) and 31 rows of time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AR - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (105) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns (January to December) and 31 rows of time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AS - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (106) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time 0 1 Sum 4.380 4.380 8.760

Table with 12 columns (January to December) and 31 rows of time slots (09:01 to 17:06). Includes summary rows for Potential sun hours, Total, worst case, Sun reduction, Oper. time red., Wind dir. red., Total reduction, and Total, real.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) Sun set (hh:mm) Minutes with flicker First time (hh:mm) with flicker Last time (hh:mm) with flicker (WTG causing flicker first time) (WTG causing flicker last time)



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar

Calculation: Enercon E138 (be 6 VE) Shut down Shadow receptor: AT - Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (107) Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

	January	February	March	April	May	June	July	August	September	October	November	December
1	09:01	08:27	07:27	07:08	05:55	05:02	04:57	05:40	06:38	07:35	07:37	08:35
	16:14	17:08	18:07	20:09	21:09	22:02	22:18	21:40	20:29	19:12	16:58	16:10
2	09:00	08:26	07:24	07:05	05:53	05:01	04:58	05:41	06:40	07:36	07:39	08:37
	16:15	17:10	18:09	20:11	21:10	22:04	22:17	21:38	20:27	19:09	16:56	16:09
3	09:00	08:24	07:22	07:03	05:51	05:00	04:58	05:43	06:42	07:38	07:41	08:38
	16:16	17:12	18:11	20:13	21:12	22:05	22:17	21:36	20:24	19:07	16:54	16:08
4	09:00	08:22	07:19	07:00	05:48	04:59	04:59	05:45	06:43	07:40	07:43	08:40
	16:18	17:14	18:14	20:15	21:14	22:06	22:16	21:34	20:22	19:04	16:52	16:08
5	08:59	08:20	07:17	06:58	05:46	04:58	05:00	05:47	06:45	07:42	07:45	08:41
	16:19	17:17	18:16	20:17	21:16	22:07	22:16	21:32	20:19	19:02	16:49	16:07
6	08:59	08:18	07:14	06:55	05:44	04:57	05:01	05:49	06:47	07:44	07:47	08:43
	16:20	17:19	18:18	20:19	21:18	22:08	22:15	21:30	20:17	18:59	16:47	16:06
7	08:58	08:16	07:12	06:53	05:42	04:56	05:02	05:51	06:49	07:46	07:49	08:44
	16:22	17:21	18:20	20:21	21:20	22:09	22:14	21:28	20:14	18:57	16:46	16:06
8	08:58	08:14	07:09	06:50	05:40	04:56	05:03	05:52	06:51	07:48	07:51	08:45
	16:23	17:23	18:22	20:23	21:22	22:10	22:14	21:26	20:11	18:54	16:44	16:05
9	08:57	08:12	07:07	06:48	05:38	04:55	05:04	05:54	06:53	07:50	07:53	08:47
	16:25	17:25	18:24	20:25	21:24	22:11	22:13	21:23	20:09	18:52	16:42	16:05
10	08:57	08:10	07:04	06:45	05:36	04:55	05:06	05:56	06:55	07:52	07:55	08:48
	16:26	17:27	18:26	20:27	21:26	22:12	22:12	21:21	20:06	18:49	16:40	16:04
11	08:56	08:08	07:02	06:43	05:34	04:54	05:07	05:58	06:57	07:54	07:57	08:49
	16:28	17:29	18:28	20:29	21:28	22:13	22:11	21:19	20:04	18:47	16:38	16:04
12	08:55	08:06	06:59	06:40	05:32	04:54	05:08	06:00	06:59	07:56	07:59	08:50
	16:30	17:32	18:30	20:31	21:30	22:14	22:10	21:17	20:01	18:44	16:36	16:04
13	08:54	08:04	06:57	06:38	05:30	04:53	05:09	06:02	07:00	07:58	08:01	08:51
	16:31	17:34	18:32	20:33	21:31	22:15	22:09	21:15	19:59	18:42	16:34	16:04
14	08:53	08:01	06:54	06:35	05:28	04:53	05:11	06:04	07:02	08:00	08:03	08:53
	16:33	17:36	18:34	20:35	21:33	22:15	22:08	21:12	19:56	18:39	16:33	16:04
15	08:52	07:59	06:52	06:33	05:27	04:53	05:12	06:06	07:04	08:02	08:05	08:54
	16:35	17:38	18:36	20:37	21:35	22:16	22:07	21:10	19:53	18:37	16:31	16:04
16	08:51	07:57	06:49	06:30	05:25	04:52	05:14	06:07	07:06	08:04	08:07	08:54
	16:36	17:40	18:38	20:39	21:37	22:17	22:05	21:08	19:51	18:34	16:29	16:04
17	08:50	07:55	06:46	06:28	05:23	04:52	05:15	06:09	07:08	08:06	08:09	08:55
	16:38	17:42	18:40	20:41	21:39	22:17	22:04	21:06	19:48	18:32	16:28	16:04
18	08:49	07:53	06:44	06:25	05:21	04:52	05:16	06:11	07:10	08:08	08:11	08:56
	16:40	17:44	18:42	20:43	21:40	22:18	22:03	21:03	19:46	18:30	16:26	16:04
19	08:48	07:50	06:41	06:23	05:20	04:52	05:18	06:13	07:12	08:10	08:13	08:57
	16:42	17:46	18:44	20:45	21:42	22:18	22:01	21:01	19:43	18:27	16:25	16:04
20	08:46	07:48	06:39	06:20	05:18	04:52	05:19	06:15	07:14	08:12	08:15	08:58
	16:44	17:49	18:46	20:47	21:44	22:18	22:00	20:59	19:40	18:25	16:23	16:05
21	08:45	07:46	06:36	06:18	05:16	04:52	05:21	06:17	07:15	08:14	08:17	08:58
	16:46	17:51	18:48	20:49	21:46	22:19	21:58	20:56	19:38	18:22	16:22	16:05
22	08:44	07:43	06:34	06:16	05:15	04:53	05:23	06:19	07:17	08:16	08:19	08:59
	16:48	17:53	18:50	20:51	21:47	22:19	21:57	20:54	19:35	18:20	16:20	16:05
23	08:42	07:41	06:31	06:13	05:13	04:53	05:24	06:21	07:19	08:18	08:21	08:59
	16:50	17:55	18:52	20:53	21:49	22:19	21:55	20:51	19:33	18:18	16:19	16:06
24	08:41	07:39	06:28	06:11	05:12	04:53	05:26	06:23	07:21	08:20	08:23	09:00
	16:52	17:57	18:54	20:55	21:50	22:19	21:54	20:49	19:30	18:15	16:18	16:07
25	08:39	07:36	06:26	06:09	05:10	04:53	05:28	06:24	07:23	08:22	08:24	09:00
	16:54	17:59	18:56	20:57	21:52	22:19	21:52	20:47	19:28	17:13	16:16	16:07
26	08:38	07:34	06:23	06:06	05:09	04:54	05:29	06:26	07:25	08:24	08:26	09:00
	16:56	18:01	18:58	20:59	21:54	22:19	21:50	20:44	19:25	17:11	16:15	16:08
27	08:36	07:31	06:21	06:04	05:08	04:54	05:31	06:28	07:27	08:26	08:28	09:01
	16:58	18:03	19:00	21:01	21:55	22:19	21:49	20:42	19:22	17:09	16:14	16:09
28	08:34	07:29	06:18	06:02	05:06	04:55	05:33	06:30	07:29	08:28	08:30	09:01
	17:00	18:05	19:02	21:03	21:57	22:19	21:47	20:39	19:20	17:06	16:13	16:10
29	08:33		07:16	05:59	05:05	04:55	05:34	06:32	07:31	08:30	08:32	09:01
	17:02		20:04	21:05	21:58	22:19	21:45	20:37	19:17	17:04	16:12	16:10
30	08:31		07:13	05:57	05:04	04:56	05:36	06:34	07:33	08:32	08:33	09:01
	17:04		20:06	21:07	21:59	22:18	21:43	20:34	19:15	17:02	16:11	16:11
31	08:29		07:10		05:03		05:38	06:36		07:34		09:01
	17:06		20:08		22:01		21:42	20:32		17:00		16:12
Potential sun hours	242	269	366	423	501	520	521	465	383	326	253	224
Total, worst case												
Sun reduction												
Oper. time red.												
Wind dir. red.												
Total reduction												
Total, real												

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	Minutes with flicker	First time (hh:mm) with flicker	(WTG causing flicker first time)
	Sun set (hh:mm)		Last time (hh:mm) with flicker	(WTG causing flicker last time)

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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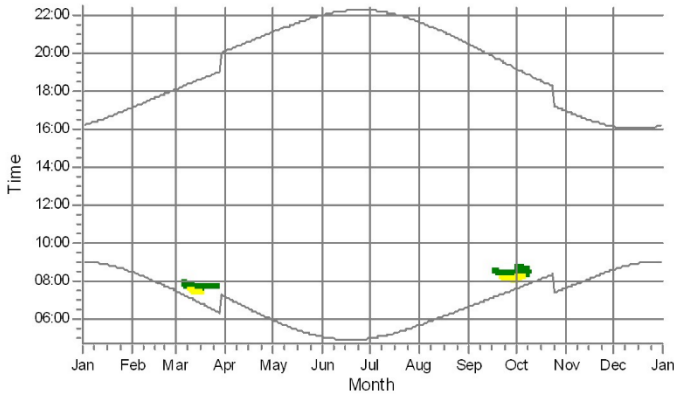
Calculated:

2021.12.03 11:21/3.5.552

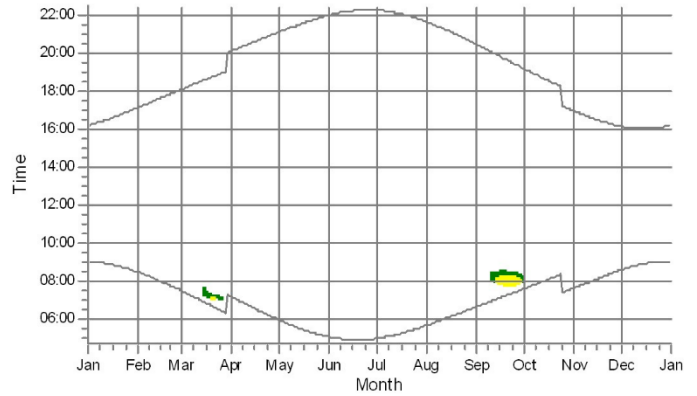
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

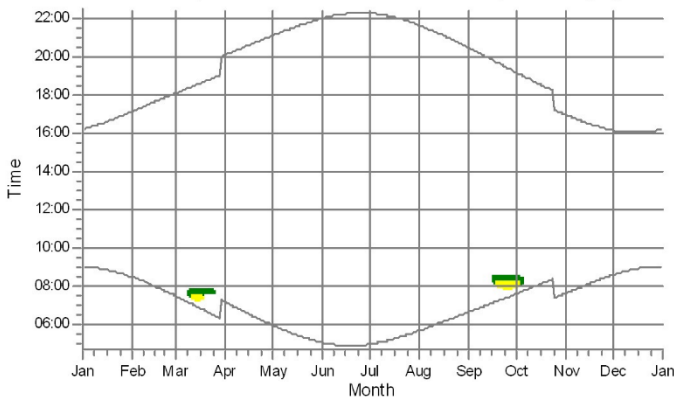
A: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (62)*



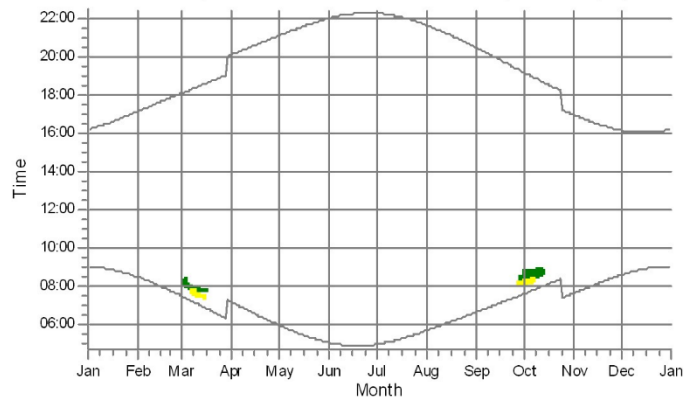
B: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (63)*



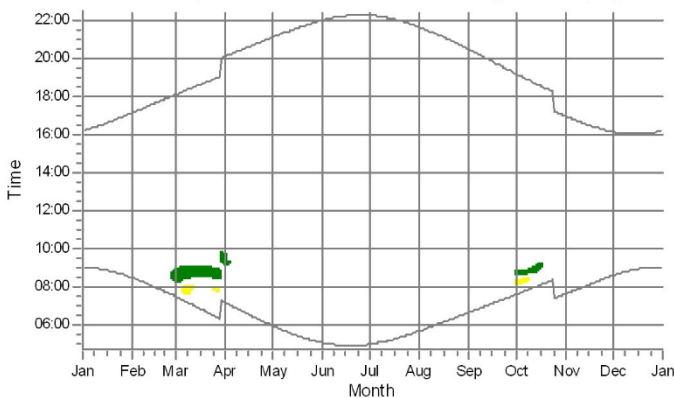
C: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (64)*



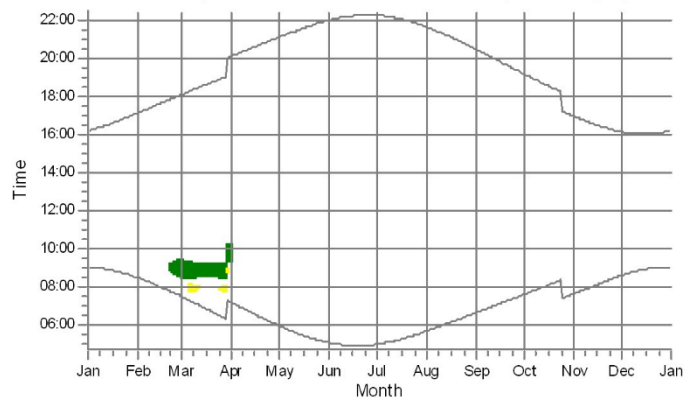
D: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (65)*



E: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (66)*



F: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (67)*



WTGs

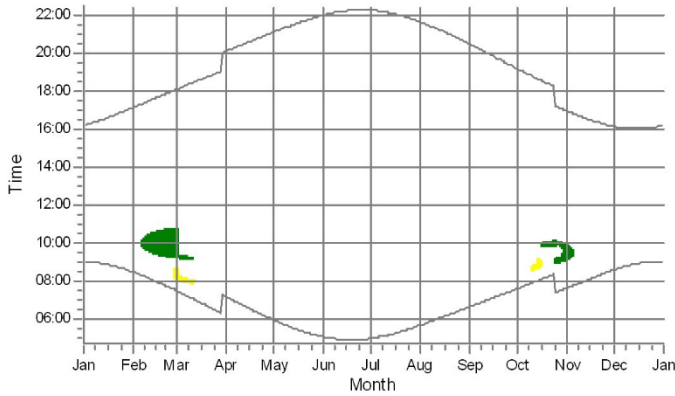
- 1: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(2)

* Results reduced by flicker curtailment

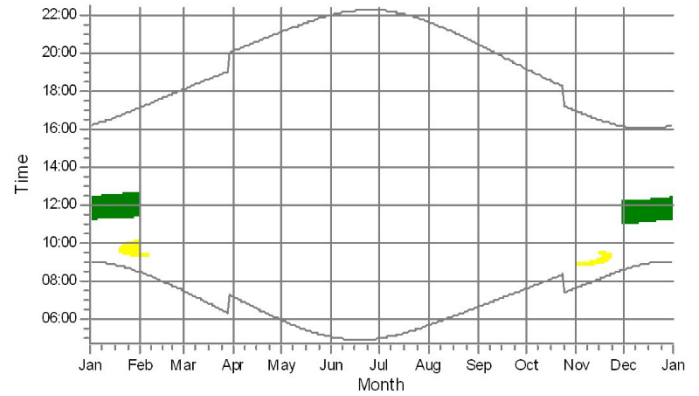
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

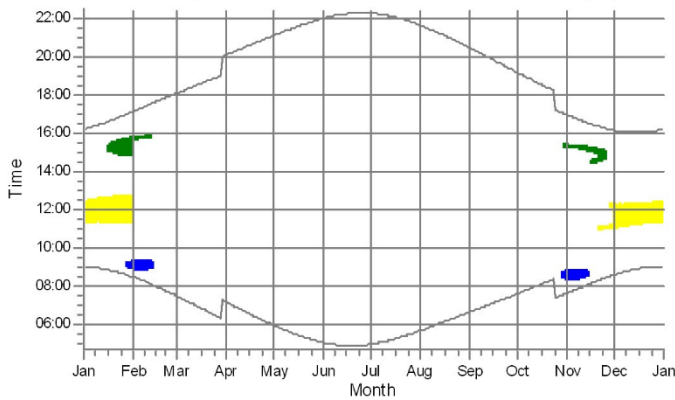
G: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (68)*



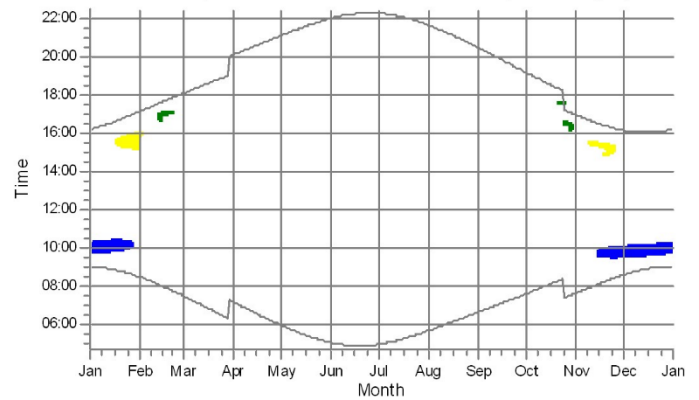
H: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (69)*



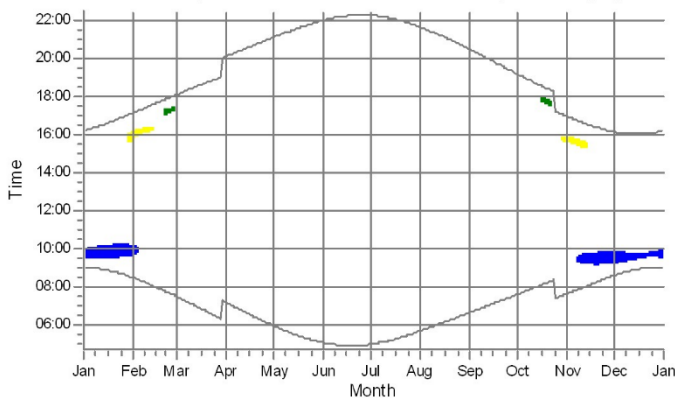
I: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (70)*



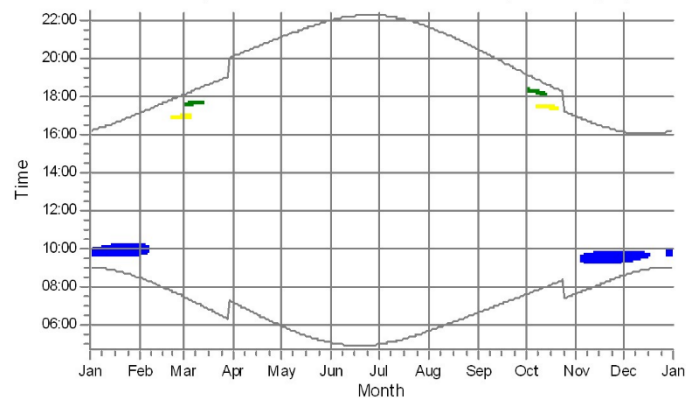
J: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (71)*



K: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (72)*



L: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (73)*



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(3)
- 5: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(5)

* Results reduced by flicker curtailment

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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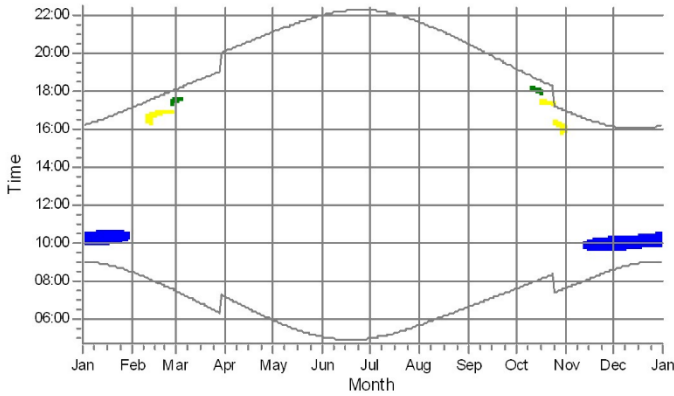
Calculated:

2021.12.03 11:21/3.5.552

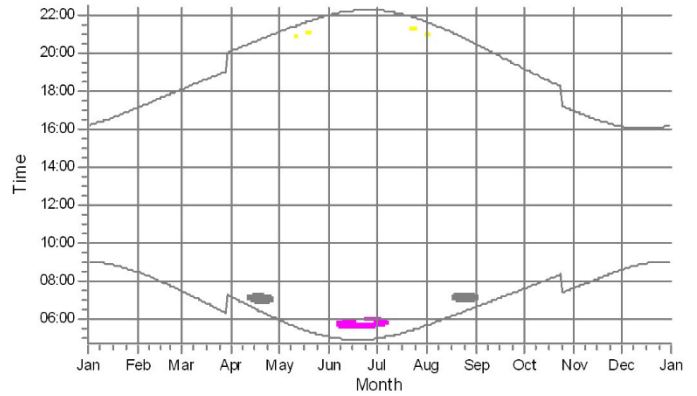
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

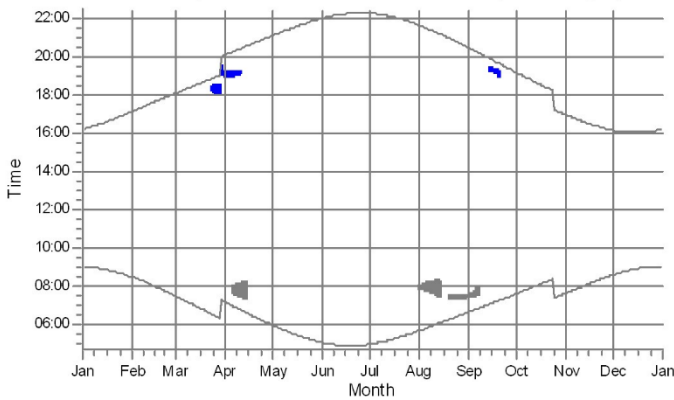
M: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (74)*



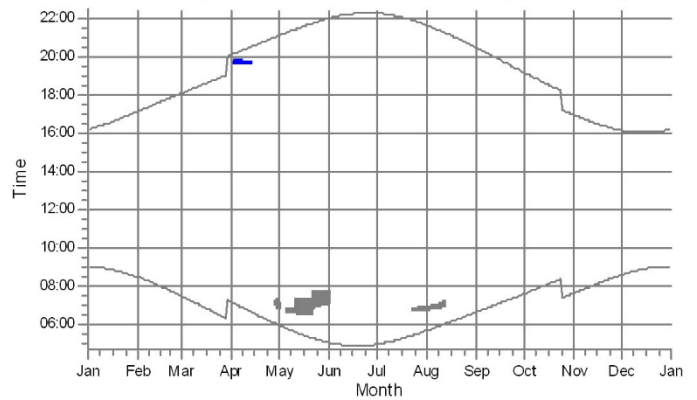
N: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (75)*



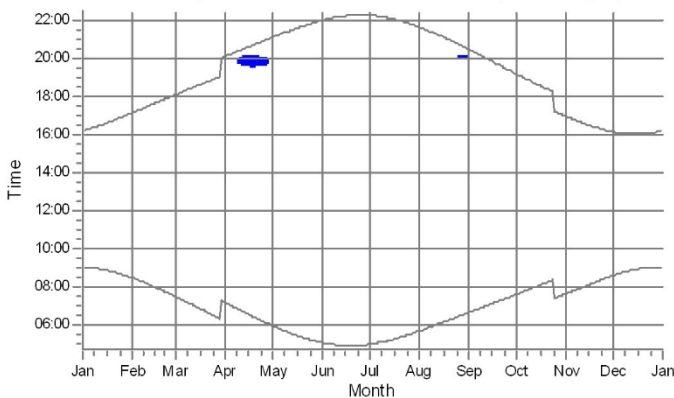
O: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (76)*



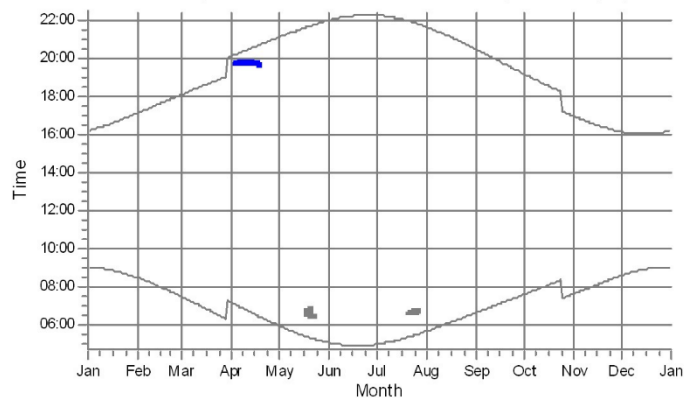
P: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (77)*



Q: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (78)*



R: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (79)*



WTGs

- 1: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (1)
- 2: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (2)
- 3: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (5)

* Results reduced by flicker curtailment

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniĀ (Āilutēs raj. sav. UsēnĀ ir JuknaiēiĀ sen.: KavoliĀ, StremeniĀ, KūgeliĀ, OkslindpiĀ, SkieriĀ bei MenklaukiĀ kaimuose) statyba ir eksploatacija

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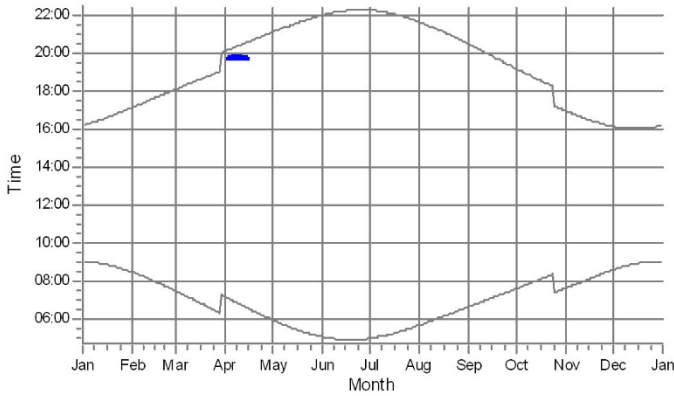
Calculated:

2021.12.03 11:21/3.5.552

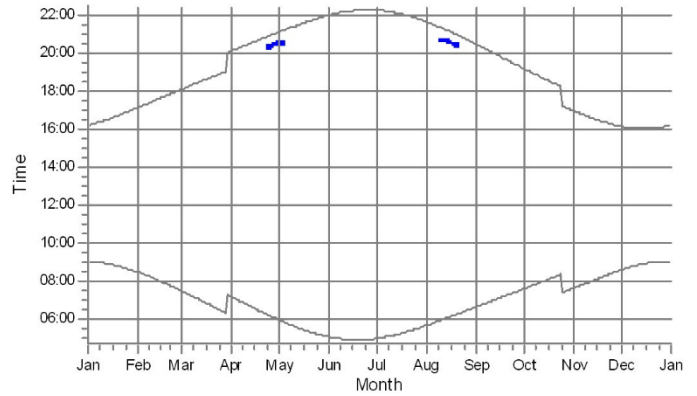
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

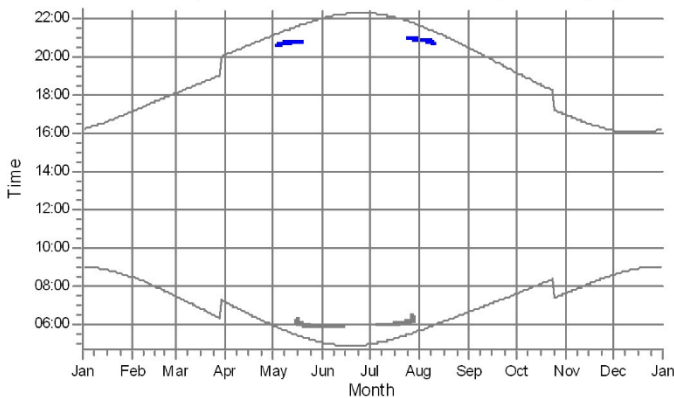
S: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (80)*



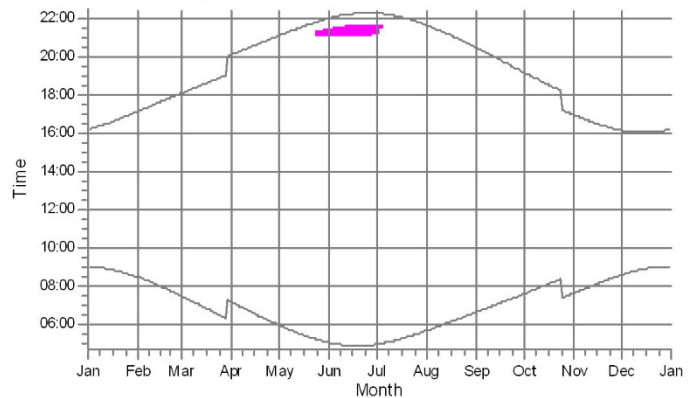
T: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (81)*



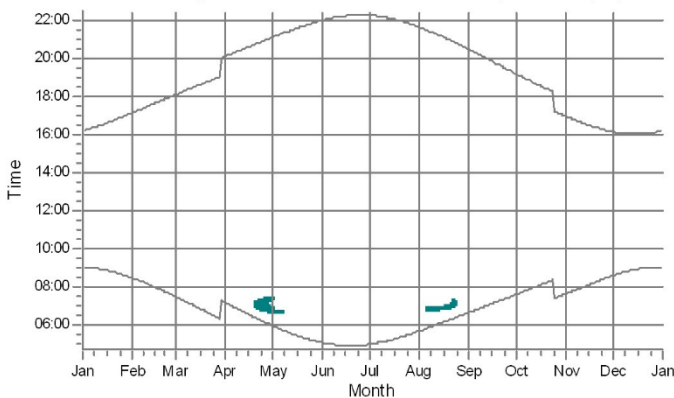
U: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (82)*



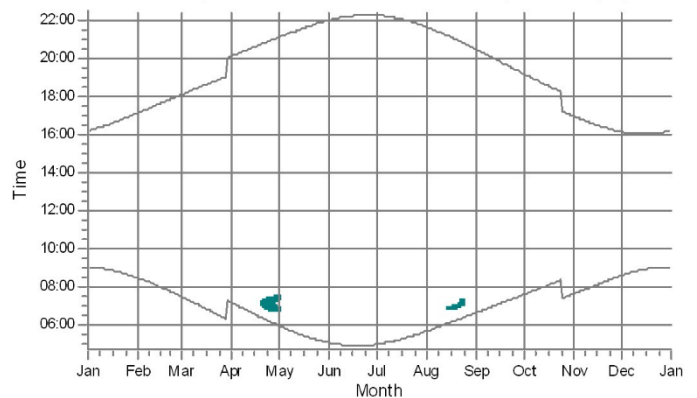
V: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (83)*



W: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (84)*



X: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (85)*



WTGs

- 3: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(3)
- 4: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(4)
- 5: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(5)
- 6: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m)(7)

* Results reduced by flicker curtailment

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okšindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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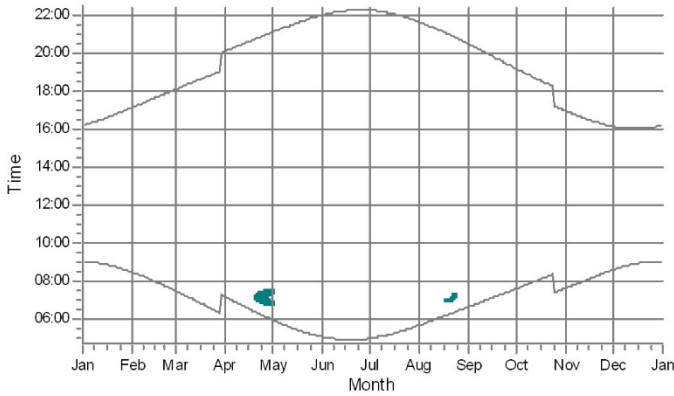
Calculated:

2021.12.03 11:21/3.5.552

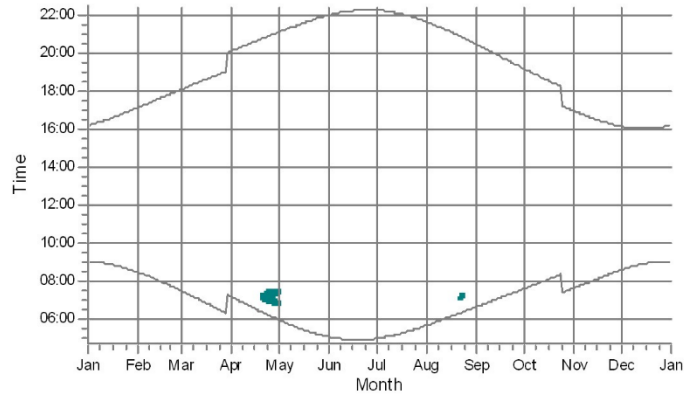
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

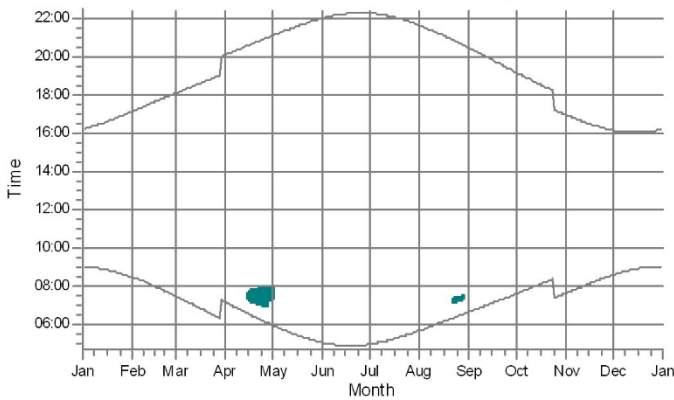
Y: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (86)*



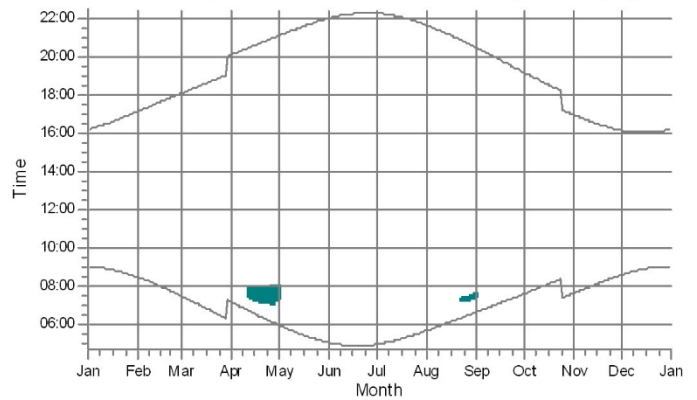
Z: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (87)*



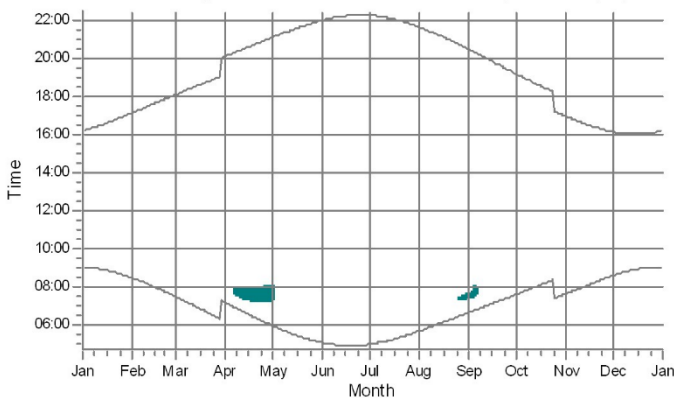
AA: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (88)*



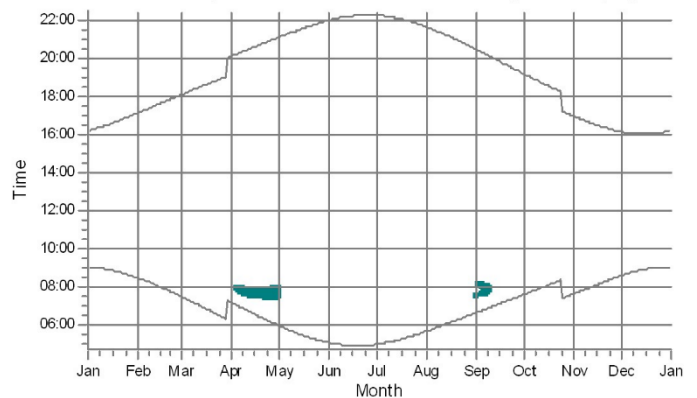
AB: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (89)*



AC: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (90)*



AD: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (91)*



WTGs

6: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (7)

* Results reduced by flicker curtailment

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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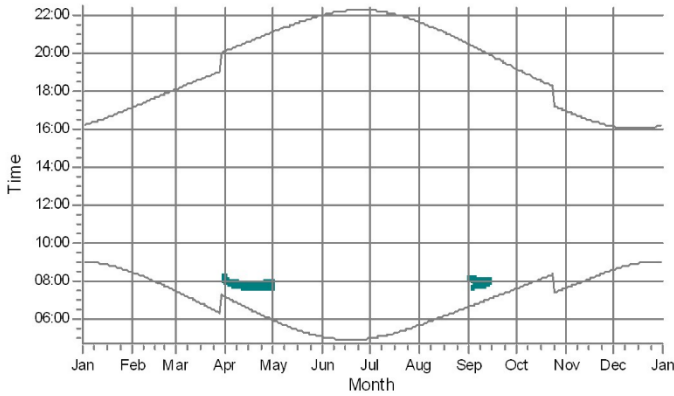
Calculated:

2021.12.03 11:21/3.5.552

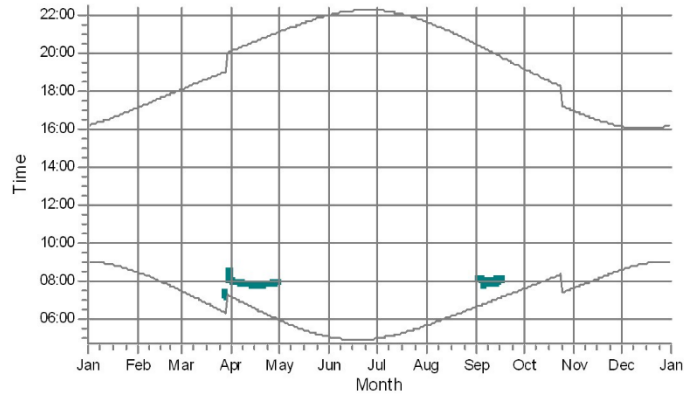
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

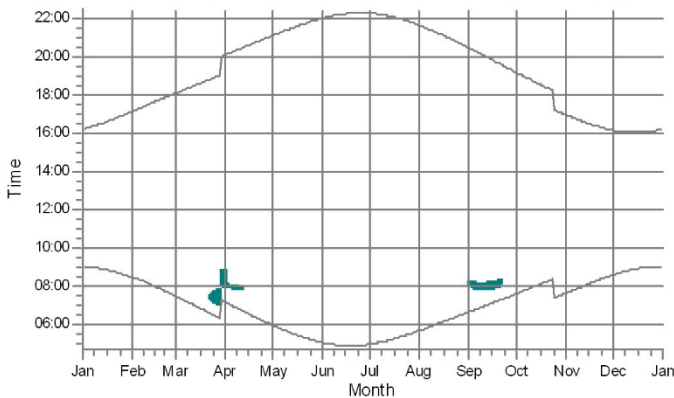
AE: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (92)*



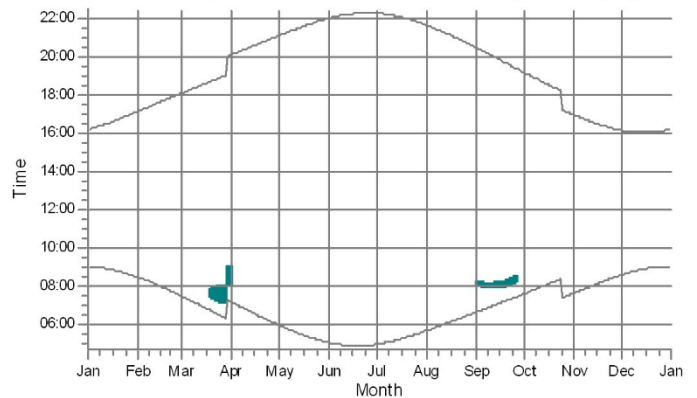
AF: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (93)*



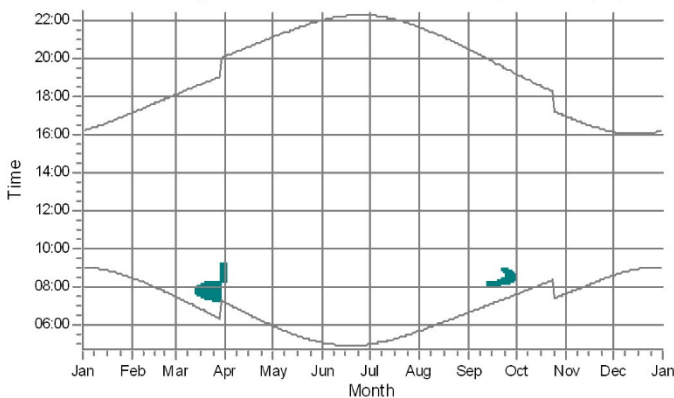
AG: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (94)*



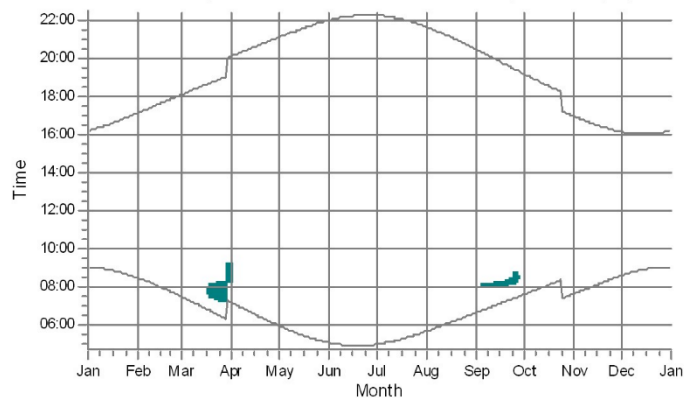
AH: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (95)*




AI: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (96)*



AJ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (97)*



WTGs

 6: ENERCON E-138 EP3 E2 4200 138.3 IO! hub: 130,3 m (TOT: 199,5 m) (7)

* Results reduced by flicker curtailment

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniš (Āilutēs raj. sav. Usēnš ir Juknaiēš sen.: Kavoliš, Stremeniš, Kūgeliš, Okslindpiš, Skieriš bei Menklaukiš kaimuose) statyba ir eksploatacija

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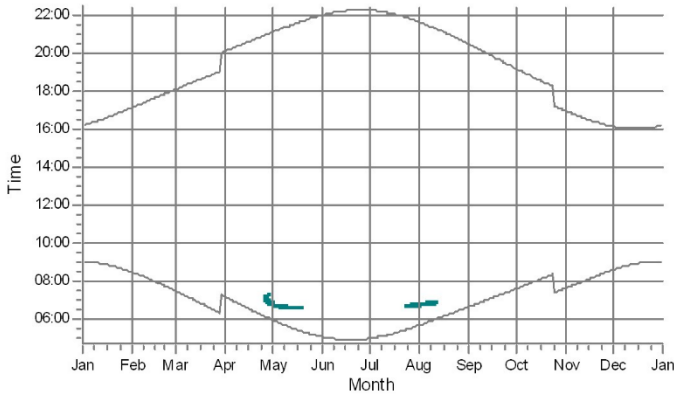
Calculated:

2021.12.03 11:21/3.5.552

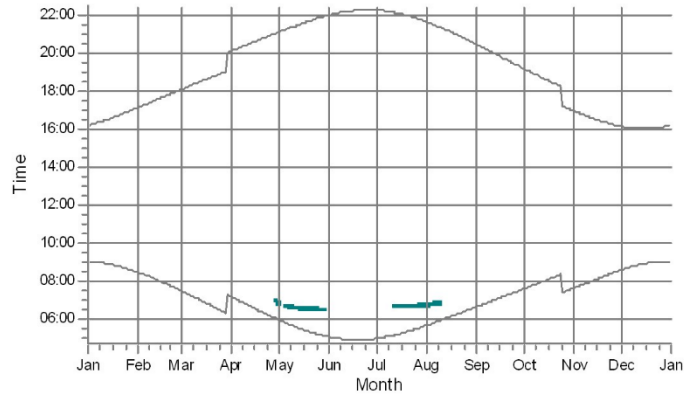
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

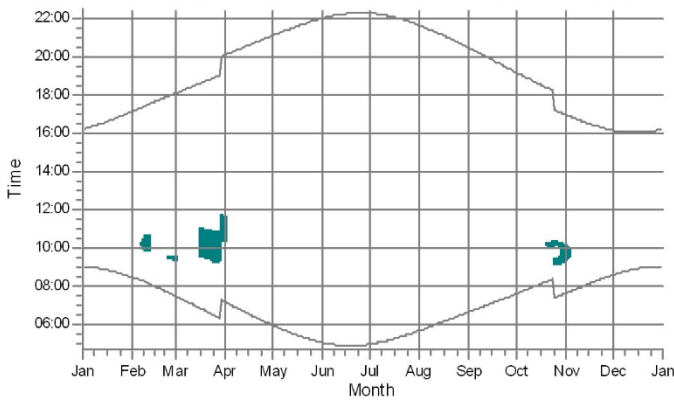
AK: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (98)*



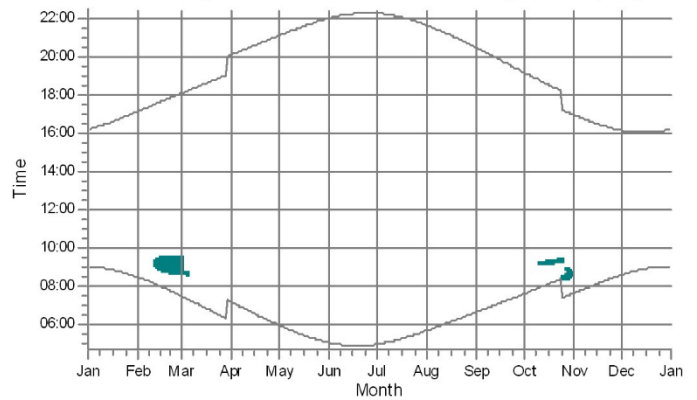
AL: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (99)*



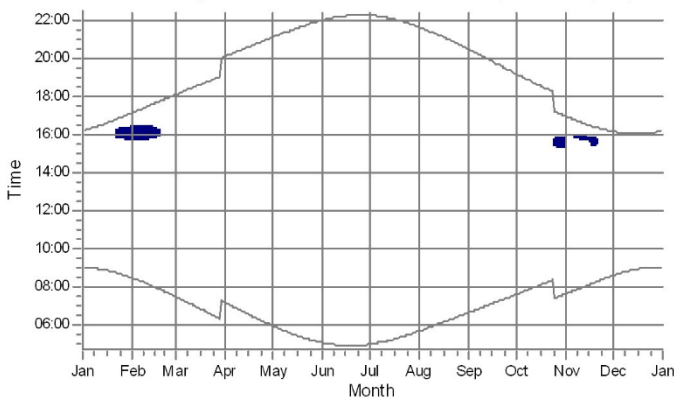
AM: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (100)*



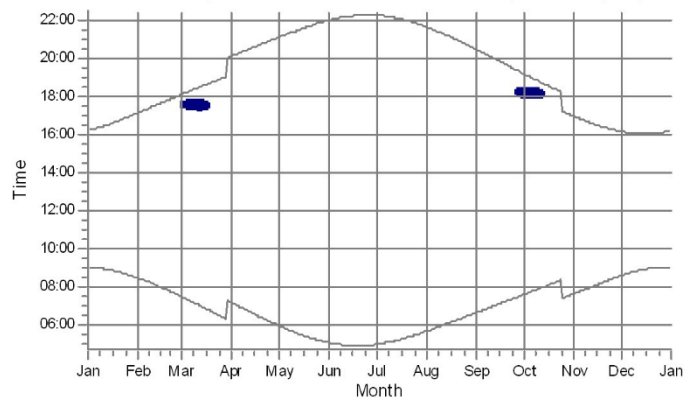
AN: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (101)*



AO: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (102)*



AP: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (103)



WTGs

6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m)(7)

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m)(8)

* Results reduced by flicker curtailment

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgliņ, Okslindņiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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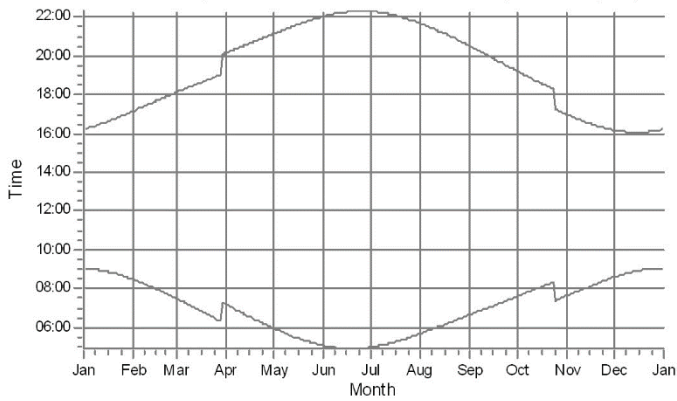
Calculated:

2021.12.03 11:21/3.5.552

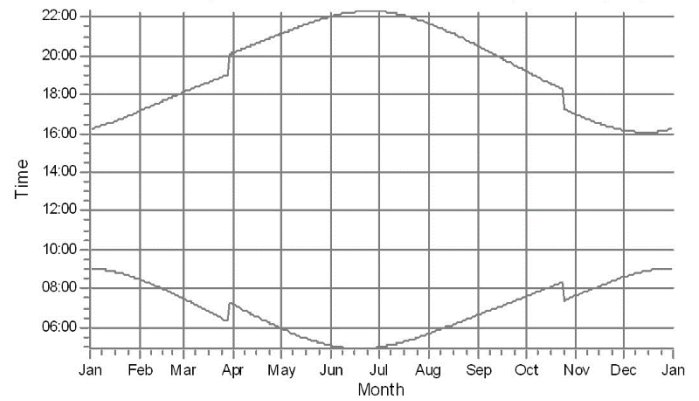
SHADOW - Calendar, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

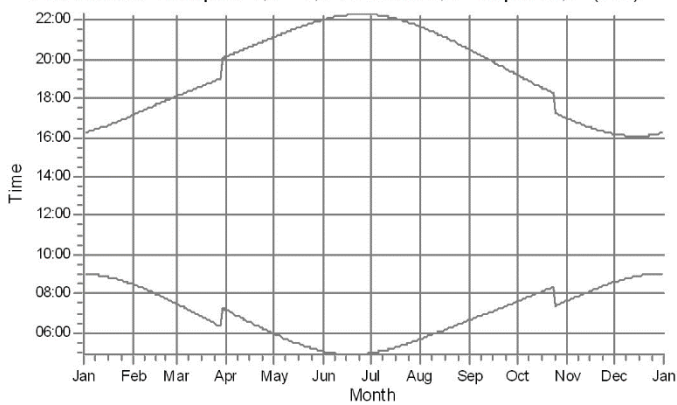
AQ: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (104)



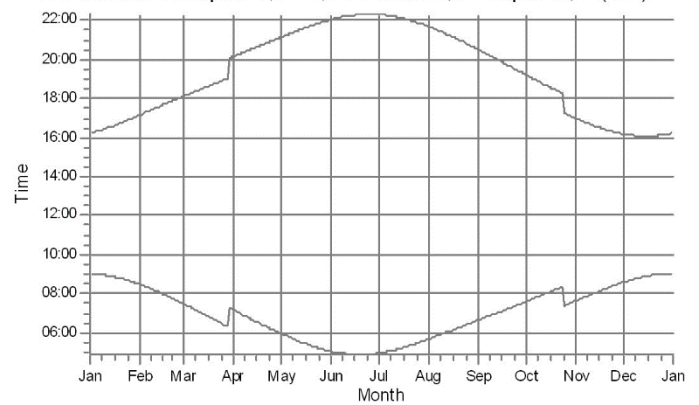
AR: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (105)



AS: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (106)



AT: Shadow Receptor: 1,0 × 1,0 Azimuth: 0,0° Slope: 90,0° (107)



WTGs

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okšindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut downWTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1,90 5,38 5,62 6,96 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	January	February	March	April	May	June
1	09:01 11:20-12:22/62	08:28 15:43-15:47/4	07:27 17:33-17:35/2	07:08 09:08-09:17/9	05:55	05:02
	16:14	17:08	18:07 08:17-09:19/62	20:10	21:09	22:03
2	09:01 11:20-12:22/62	08:26 15:44-15:47/3	07:24 17:35-17:37/2	07:05 09:11-09:18/7	05:53	05:01
	16:15	17:10	18:10 08:05-09:18/73	20:12	21:11	22:04
3	09:01 11:20-12:23/63	08:24 15:45-15:48/3	07:22 17:35-17:38/3 08:00-08:08/8	07:03 09:15-09:18/3	05:51	05:00
	16:16	17:12	18:12 08:18-09:17/59	20:14	21:13	22:05
4	09:00 11:20-12:23/63	08:22 15:46-15:49/3	07:19 17:37-17:40/3 07:58-08:04/6	07:00	05:49	04:59
	16:18	17:15	18:14 08:23-09:17/54	20:16	21:15	22:06
5	09:00 11:21-12:24/63	08:20 15:47-15:50/3	07:17 17:38-17:41/3 07:48-08:00/12	06:58	05:46	04:58
	16:19	17:17	18:16 08:26-09:15/49	20:18	21:17	22:08
6	08:59 11:21-12:25/64	08:18 15:48-15:50/2	07:15 17:40-17:42/2 07:45-07:58/13	06:55	05:44	04:57
	16:20	17:19	18:18 08:28-09:15/47	20:20	21:19	22:09
7	08:59 11:21-12:25/64	08:16 15:49-15:51/2	07:12 17:40-17:43/3 07:42-07:55/13	06:53	05:42	04:56
	16:22	17:21 09:54-10:08/14	18:20 08:29-09:14/45	20:22	21:20	22:10
8	08:58 11:21-12:25/64	08:14 15:49-15:51/2	07:10 17:41-17:43/2 07:39-07:53/14	06:50	05:40	04:56
	16:23	17:23 09:47-10:13/26	18:22 08:30-09:13/43	20:24	21:22	22:11
9	08:58 11:22-12:27/65	08:12 15:50-15:51/1	07:07 17:42-17:43/1 07:33-07:52/19	06:48	05:38	04:55
	16:25	17:25 09:44-10:17/33	18:24 08:32-09:13/41	20:26	21:24	22:12
10	08:57 11:22-12:28/66	08:10 15:51-15:52/1	07:04 17:42-17:43/1 07:29-07:50/21	06:45	05:36	04:55
	16:26	17:27 09:41-10:20/39	18:26 08:32-09:12/40	20:27	21:26	22:13
11	08:56 11:22-12:28/66	08:08 15:51-15:52/1	07:02 17:43-17:44/1 07:27-07:50/23	06:43	05:34	04:54
	16:28	17:30 09:39-10:23/44	18:28 08:34-09:12/38	20:29	21:28	22:14
12	08:55 11:22-12:28/66	08:06 09:36-10:25/49	06:59 17:42-17:43/1 07:25-07:48/23	06:40	05:32	04:54
	16:30	17:32	18:30 08:34-09:11/37	20:31	21:30	22:14
13	08:54 11:22-12:29/67	08:04 16:46-16:58/12	06:57 08:35-09:11/36	06:38	05:30	04:53
	16:31	17:34 09:34-10:27/53	18:32 07:24-07:48/24	20:33	21:32	22:15
14	08:53 11:22-12:29/67	08:02 16:55-17:01/6 09:32-10:29/57	06:54 08:35-09:10/35	06:35	05:29	04:53
	16:33	17:36 16:43-16:44/1	18:34 07:22-07:47/25	20:35	21:34	22:16
15	08:52 11:23-12:30/67	08:00 16:58-17:02/4	06:52 08:34-09:09/35 07:18-07:24/6	06:33	05:27	04:53
	16:35	17:38 09:30-10:30/60	18:36 07:30-07:46/16	20:37	21:35	22:16
16	08:51 11:22-12:30/68	07:57 17:01-17:04/3	06:49 08:35-09:09/34 07:16-07:20/4	06:30	05:25	04:52
	16:36	17:40 09:29-10:32/63	18:38 07:35-07:46/11	20:39	21:37	22:17
17	08:50 15:09-15:21/12	07:55 17:03-17:06/3	06:47 08:34-09:09/35 07:13-07:16/3	06:28	05:23	04:52
	16:38 11:23-12:31/68	17:42 09:28-10:34/66	18:40 07:37-07:45/8	20:41	21:39	22:18
18	08:49 15:07-15:25/18	07:53 17:04-17:06/2	06:44 08:35-09:09/34 07:12-07:15/3	06:25	05:21	04:52
	16:40 11:24-12:32/68	17:44 09:26-10:35/69	18:42 07:39-07:45/6	20:43	21:41	22:18
19	08:48 15:04-15:28/24	07:51 17:05-17:07/2	06:42 08:34-09:08/34 07:11-07:13/2	06:23	05:20	04:52
	16:42 11:23-12:32/69	17:47 09:25-10:36/71	18:44 07:40-07:44/4	20:45	21:42	22:18
20	08:47 15:03-15:30/27	07:48 17:07-17:08/1	06:39 08:33-09:08/35 07:09-07:11/2	06:21	05:18	04:52
	16:44 11:24-12:32/68	17:49 09:24-10:38/74	18:46 07:41-07:44/3	20:47	21:44	22:19
21	08:45 15:01-15:32/31	07:46 17:07-17:14/7	06:36 08:33-09:08/35 07:09-07:10/1	06:18	05:16	04:52
	16:46 11:24-12:32/68	17:51 09:22-10:38/76	18:48 07:42-07:44/2	20:49	21:46	22:19
22	08:44 14:59-15:34/35	07:44 17:12-17:17/5 08:50-09:09/19	06:34 08:32-09:08/36 07:08-07:09/1	06:16	05:15	04:53
	16:48 11:24-12:32/68	17:53 09:22-10:39/77	18:50 07:42-07:44/2	20:51	21:48	22:19
23	08:42 14:59-15:36/37	07:41 17:15-17:19/4 08:45-09:13/28	06:31 08:32-09:08/36 07:08-07:09/1	06:13	05:13	04:53
	16:50 11:25-12:33/68	17:55 09:20-10:40/80	18:52 07:43-07:44/1	20:53	21:49	22:19
24	08:41 14:57-15:37/40	07:39 17:17-17:21/4 08:42-09:16/34	06:29 08:31-09:08/37	06:11	05:12	04:53
	16:52 11:25-12:33/68	17:57 09:20-10:41/81	18:54 07:42-07:44/2	20:55	21:51	22:19
25	08:39 14:56-15:39/43	07:36 17:18-17:21/3	06:26 08:29-09:08/39 07:42-07:44/2	06:09	05:10	04:53
	16:54 11:25-12:33/68	17:59 08:39-10:41/122	18:56 07:06-07:07/1	20:57	21:52	22:19
26	08:38 14:56-15:41/45	07:34 17:20-17:30/10	06:23 08:28-09:08/40	06:06	05:09	04:54
	16:56 11:26-12:34/68	18:01 08:29-10:42/133	18:58 07:42-07:45/3	20:59	21:54	22:19
27	08:36 14:55-15:42/47	07:32 17:28-17:32/4	06:21 08:27-09:08/41	06:04	05:08	04:54
	16:58 11:26-12:34/68	18:03 08:23-10:42/139	19:00	21:01	21:55	22:19
28	08:35 14:54-15:43/49	07:29 17:31-17:34/3	06:18 08:26-09:09/43	06:02	05:06	04:55
	17:00 11:27-12:34/67	18:05 08:20-10:43/143	19:02	21:03	21:57	22:19
29	08:33 14:54-15:44/50		07:16 09:24-10:09/45	06:00	05:05	04:55
	17:02 11:27-12:34/67		20:04	21:05	21:58	22:19
30	08:31 14:53-15:45/52		07:13 09:22-10:10/48	05:57	05:04	04:56
	17:04 11:27-12:34/67		20:06	21:07	22:00	22:19
31	08:30 14:52-15:46/54		07:11 09:19-10:09/50		05:03	
	17:06 11:28-12:33/65		20:08		22:01	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	2616	1749	1625	19	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēš sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut downWTG: 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for each day (1-31), showing sun rise/set times and shadow flicker minutes.

Table layout: For each day in each month the following matrix apply

Matrix with columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm), First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1-31). Each cell contains sun rise and set times (hh:mm) and minutes with flicker. Summary row at the bottom shows total potential sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down WTG: 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for each day, showing start and end times for shadow calculations and a summary row for potential sun hours and minutes with flicker.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
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SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut downWTG: 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals (e.g., 09:01-09:39) and a numerical value (e.g., 29/50). Summary rows at the bottom show 'Potential sun hours' and 'Sum of minutes with flicker' for each month.

Table layout: For each day in each month the following matrix apply

Matrix with 2 rows and 3 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm); First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down **WTG: 3** - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)
Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]**Assumptions for shadow calculations**Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 20:56-20:58/2 21:40	06:38 20:29	07:35 19:12	07:37 08:25-08:44/19 16:58	08:35 09:19-10:15/56 16:10
2	04:58 22:18	05:41 20:55-20:57/2 21:38	06:40 20:27	07:37 19:10	07:39 08:24-08:45/21 16:56	08:37 09:20-10:16/56 16:09
3	04:58 22:17	05:43 20:54-20:57/3 21:36	06:42 20:24	07:39 19:07	07:41 08:24-08:45/21 16:54	08:38 09:21-10:16/55 16:08
4	04:59 22:17	05:45 20:54-20:56/2 21:34	06:43 20:22	07:40 19:04	07:43 08:24-08:46/22 16:52	08:40 09:22-10:17/55 16:08
5	05:00 22:16	05:47 20:53-20:56/3 21:32	06:45 20:19	07:42 19:02	07:45 09:25-09:32/7 16:49 08:24-08:46/22	08:41 09:22-10:17/55 16:07
6	05:01 22:15	05:49 20:51-20:54/3 21:30	06:47 20:17	07:44 18:59	07:47 09:21-09:36/15 16:47 08:23-08:46/23	08:43 09:24-10:17/53 16:06
7	05:02 22:15	05:51 20:49-20:53/4 21:28	06:49 20:14	07:46 18:57	07:49 09:19-09:38/19 16:46 08:23-08:45/22	08:44 09:24-10:17/53 16:06
8	05:03 22:14	05:52 20:47-20:51/4 21:26	06:51 20:12	07:48 18:54	07:51 09:18-09:40/22 16:44 08:24-08:46/22	08:46 09:26-10:18/52 16:05
9	05:04 22:13	05:54 20:42-20:48/6 21:24	06:53 20:09	07:50 18:52	07:53 09:17-09:41/24 16:42 08:26-08:45/19	08:47 09:26-10:18/52 16:05
10	05:06 22:12	05:56 20:42-20:45/3 21:21	06:55 20:06	07:52 18:49	07:55 09:16-09:42/26 16:40 08:28-08:45/17	08:48 09:28-10:19/51 16:04
11	05:07 22:11	05:58 20:42-20:43/1 21:19	06:57 20:04	07:54 18:47	07:57 09:15-09:43/28 16:38 08:30-08:44/14	08:49 09:29-10:19/50 16:04
12	05:08 22:10	06:00 20:41-20:43/2 21:17	06:59 20:01	07:56 18:44	07:59 09:15-09:44/29 16:36 08:33-08:44/11	08:51 09:29-10:19/50 16:04
13	05:09 22:09	06:02 20:40-20:41/1 21:15	07:00 19:59	07:58 18:42	08:01 09:49-09:59/10 08:35-08:42/7 16:34 09:14-09:45/31	08:52 09:30-10:19/49 16:04
14	05:11 22:08	06:04 20:39-20:41/2 21:13	07:02 19:21-19:22/1 19:56	08:00 18:39	08:03 09:46-10:01/15 08:37-08:40/3 16:33 09:14-09:45/31	08:53 09:31-10:19/48 16:04
15	05:12 22:07	06:06 20:38-20:39/1 21:10	07:04 19:20-19:22/2 19:54	08:02 18:37	08:05 09:14-10:03/49 16:31	08:54 09:32-10:19/47 16:04
16	05:13 22:06	06:07 21:08	07:06 19:19-19:21/2 19:51	08:04 18:34	08:07 09:14-10:06/52 16:29	08:55 09:34-10:20/46 16:04
17	05:15 22:04	06:09 21:06	07:08 19:17-19:19/2 19:48	08:06 18:32	08:09 09:14-10:07/53 16:28	08:56 09:35-10:20/45 16:04
18	05:16 22:03	06:11 20:31-20:32/1 21:03	07:10 19:14-19:16/2 19:46	08:08 18:30	08:11 09:14-10:08/54 16:26	08:56 09:36-10:21/45 16:04
19	05:18 22:02	06:13 20:23-20:30/7 21:01	07:12 19:10-19:14/4 19:43	08:10 18:27	08:13 09:13-10:09/56 16:25	08:57 09:37-10:22/45 16:04
20	05:19 22:00	06:15 20:59	07:14 19:02-19:11/9 19:41	08:12 18:25	08:15 09:13-10:09/56 16:23	08:58 09:37-10:21/44 16:05
21	05:21 21:59	06:17 20:56	07:16 19:38	08:14 18:23	08:17 09:14-10:11/57 16:22	08:58 09:39-10:22/43 16:05
22	05:23 21:57	06:19 20:54	07:17 19:35	08:16 18:20	08:19 09:15-10:12/57 16:20	08:59 09:39-10:22/43 16:05
23	05:24 21:56	06:21 20:52	07:19 19:33	08:18 18:18	08:21 09:15-10:12/57 16:19	08:59 09:40-10:23/43 16:06
24	05:26 21:54	06:23 20:49	07:21 19:30	08:20 18:16	08:23 09:15-10:13/58 16:18	09:00 09:39-10:24/45 16:06
25	05:27 20:59-21:00/1 21:52	06:25 20:47	07:23 19:28	07:22 17:13	08:25 09:16-10:13/57 16:16	09:00 09:39-10:24/45 16:07
26	05:29 21:51	06:26 20:08-20:09/1 20:44	07:25 19:25	07:24 17:11	08:27 09:16-10:14/58 16:15	09:01 09:40-10:25/45 16:08
27	05:31 20:59-21:00/1 21:49	06:28 20:07-20:08/1 20:42	07:27 19:22	07:26 17:09	08:28 09:17-10:14/57 16:14	09:01 09:40-10:26/46 16:09
28	05:33 20:58-20:59/1 21:47	06:30 20:06-20:07/1 20:39	07:29 19:20	07:28 17:06	08:30 09:17-10:15/58 16:13	09:01 09:39-10:26/47 16:10
29	05:34 20:58-20:59/1 21:45	06:32 20:05-20:07/2 20:37	07:31 19:17	07:30 08:29-08:40/11 17:04	08:32 09:18-10:15/57 16:12	09:01 09:39-10:27/48 16:10
30	05:36 20:58-20:59/1 21:44	06:34 20:04-20:05/1 20:34	07:33 19:15	07:33 08:27-08:41/14 17:02	08:33 09:19-10:16/57 16:11	09:01 09:38-10:27/49 16:11
31	05:38 20:57-20:58/1 21:42	06:36 20:32	 	07:35 08:27-08:43/16 17:00	 	09:01 09:38-10:27/49 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	6	53	22	41	1393	1510

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down WTG: 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)
Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1-31). Each cell contains time intervals (Sun rise, Sun set) and potential sun hours. Summary row at the bottom shows total sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelėių, Okslindpių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum
4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57 22:18	05:40 06:49-06:53/4 21:40 07:52-07:58/6	06:38 07:27-07:31/4 20:29	07:35 19:12	07:37 16:58	08:35 16:10
2	04:57 22:18	05:41 06:49-06:53/4 21:38 07:50-08:00/10	06:40 07:28-07:33/5 20:27	07:36 19:09	07:39 16:56	08:37 16:09
3	04:58 22:17	05:43 06:50-06:55/5 21:36 07:50-08:03/13	06:41 07:29-07:35/6 20:24	07:38 19:07	07:41 16:53	08:38 16:08
4	04:59 22:17	05:45 06:51-06:56/5 21:34 07:49-08:05/16	06:43 07:31-07:37/6 20:22	07:40 19:04	07:43 16:51	08:40 16:07
5	05:00 05:57-05:58/1 22:16	05:47 06:52-06:57/5 21:32 07:48-08:07/19	06:45 07:33-07:41/8 20:19	07:42 19:02	07:45 16:49	08:41 16:07
6	05:01 22:15	05:49 06:52-06:58/6 21:30 07:46-08:08/22	06:47 07:49-07:54/5 20:17	07:44 18:59	07:47 16:47	08:43 16:06
7	05:02 22:15	05:50 06:53-07:00/7 21:28 07:44-08:09/25	06:49 07:40-07:49/9 20:14	07:46 18:57	07:49 16:45	08:44 16:06
8	05:03 05:58-05:59/1 22:14	05:52 06:55-07:01/6 21:26 07:43-08:11/28	06:51 20:12	07:48 18:54	07:51 16:43	08:46 16:05
9	05:04 05:58-05:59/1 22:13	05:54 06:55-07:02/7 21:24 07:40-08:11/31	06:53 20:09	07:50 18:52	07:53 16:42	08:47 16:05
10	05:05 05:58-05:59/1 22:12	05:56 06:57-07:05/8 21:21 07:38-08:12/34	06:55 20:06	07:52 18:49	07:55 16:40	08:48 16:04
11	05:07 05:59-06:01/2 22:11	05:58 06:59-07:08/9 21:19 07:35-08:13/38	06:57 20:04	07:54 18:47	07:57 16:38	08:49 16:04
12	05:08 06:00-06:01/1 22:10	06:00 07:32-08:14/42 21:17	06:58 20:01	07:56 18:44	07:59 16:36	08:51 16:04
13	05:09 06:00-06:01/1 22:09	06:02 07:29-08:13/44 21:15	07:00 19:59	07:58 18:42	08:01 16:34	08:52 16:04
14	05:11 06:00-06:01/1 22:08	06:04 21:13	07:02 19:56	08:00 18:39	08:03 16:33	08:53 16:04
15	05:12 06:00-06:01/1 22:07	06:05 21:10	07:04 19:53	08:02 18:37	08:05 16:31	08:54 16:04
16	05:13 06:01-06:03/2 22:05	06:07 21:08	07:06 19:48	08:04 18:34	08:07 16:29	08:55 16:04
17	05:15 06:01-06:03/2 22:04	06:09 21:06	07:08 19:48	08:06 18:32	08:09 16:28	08:55 16:04
18	05:16 06:01-06:03/2 22:03	06:11 07:04-07:12/8 21:03	07:10 19:46	08:08 18:30	08:11 16:26	08:56 16:04
19	05:18 06:02-06:04/2 22:01	06:13 07:02-07:15/13 21:01	07:12 19:43	08:10 18:27	08:13 16:24	08:57 16:04
20	05:19 06:02-06:05/3 22:00	06:15 07:25-07:26/1 20:59 07:01-07:16/15	07:14 19:40	08:12 18:25	08:15 16:23	08:58 16:04
21	05:21 06:04-06:06/2 21:59	06:17 07:25-07:26/1 20:56 07:00-07:17/17	07:15 19:38	08:14 18:22	08:17 16:21	08:58 16:05
22	05:22 06:04-06:07/3 21:57	06:19 07:24-07:25/1 20:54 06:58-07:17/19	07:17 19:35	08:16 18:20	08:19 16:20	08:59 16:05
23	05:24 06:05-06:08/3 21:55	06:21 07:24-07:26/2 20:52 06:57-07:17/20	07:19 19:33	08:18 18:18	08:21 16:19	08:59 16:06
24	05:26 06:06-06:09/3 21:54	06:23 07:24-07:26/2 20:49 06:57-07:17/20	07:21 19:30	08:20 18:15	08:23 16:17	09:00 16:06
25	05:27 06:07-06:11/4 21:52	06:24 07:24-07:26/2 20:47 06:57-07:17/20	07:23 19:28	07:22 17:13	08:25 16:16	09:00 16:07
26	05:29 06:08-06:13/5 21:51	06:26 07:25-07:27/2 20:44 06:57-07:17/20	07:25 19:25	07:24 17:11	08:26 16:15	09:00 16:08
27	05:31 06:25-06:26/1 06:47-06:50/3 21:49	06:28 07:24-07:27/3 20:42 06:57-07:16/19	07:27 19:22	07:26 17:09	08:28 16:14	09:01 16:09
28	05:32 06:12-06:23/11 21:47	06:30 07:25-07:27/2 20:39 06:59-07:15/16	07:29 19:20	07:28 17:06	08:30 16:13	09:01 16:09
29	05:34 06:47-06:51/4 21:45	06:32 07:25-07:28/3 20:37 07:01-07:14/13	07:31 19:17	07:30 17:04	08:32 16:12	09:01 16:10
30	05:36 06:48-06:52/4 21:43	06:34 07:26-07:29/3 20:34 07:03-07:13/10	07:33 19:15	07:32 17:02	08:33 16:11	09:01 16:11
31	05:38 06:48-06:52/4 21:42	06:36 07:27-07:31/4 20:32 07:05-07:11/6	 	07:35 17:00	 	09:01 16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	143	636	56	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker	Last time (hh:mm) with flicker	Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektrini (Īilutēs raj. sav. Usēņo ir Juknaiēi sen.: Kavoliņo, Stremeniņo, Kūgeliņo, Okslindiņo, Skieriņo bei Menklaukiņo kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt
Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut downWTG: 5 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Assumptions for shadow calculations

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to December) and rows for each day (1-31), showing sun rise and set times and minutes with flicker.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Īilutēs r.

Description:

Vējo elektriniņ (Īilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down WTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (January to June) and rows for days (1 to 31). Each cell contains time intervals for sunrise and sunset, and potential sun hours. Summary row at the bottom shows total sun hours and minutes with flicker for each month.

Table layout: For each day in each month the following matrix apply

Day in month Sun rise (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
Sun set (hh:mm) First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker



Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierio bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:
2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut downWTG: 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)
Sunshine probability S (Average daily sunshine hours) [KLAIPEDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time
0 1 Sum
4.380 4.380 8.760

Table with columns for months (July to December) and rows for days (1 to 31). Each cell contains time intervals (Sun rise, Sun set) and potential sun hours. Includes a summary row for 'Potential sun hours' and 'Sum of minutes with flicker'.

Table layout: For each day in each month the following matrix apply

Matrix with 2 rows and 3 columns: Day in month, Sun rise (hh:mm), Sun set (hh:mm); First time (hh:mm) with flicker, Last time (hh:mm) with flicker, Minutes with flicker.

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down **WTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	January	February	March	April	May	June
1	09:00 16:14	08:27 15:49-16:21/32 17:08	07:26 17:32-17:39/7 18:07	07:08 20:09	05:55 21:08	05:01 22:02
2	09:00 16:15	08:25 15:48-16:21/33 17:10	07:24 17:28-17:41/13 18:09	07:05 20:11	05:52 21:10	05:00 22:03
3	09:00 16:16	08:23 15:48-16:22/34 17:12	07:21 17:27-17:43/16 18:11	07:02 20:13	05:50 21:12	04:59 22:04
4	08:59 16:17	08:22 15:48-16:22/34 17:14	07:19 17:25-17:45/20 18:13	07:00 20:15	05:48 21:14	04:59 22:06
5	08:59 16:19	08:20 15:49-16:22/33 17:16	07:16 17:23-17:46/23 18:15	06:57 20:17	05:46 21:16	04:58 22:07
6	08:59 16:20	08:18 15:49-16:23/34 17:18	07:14 17:23-17:47/24 18:17	06:55 20:19	05:44 21:18	04:57 22:08
7	08:58 16:21	08:16 15:49-16:23/34 17:21	07:11 17:21-17:47/26 18:19	06:52 20:21	05:42 21:20	04:56 22:09
8	08:58 16:23	08:14 15:50-16:23/33 17:23	07:09 17:21-17:48/27 18:21	06:50 20:23	05:40 21:22	04:55 22:10
9	08:57 16:24	08:12 15:49-16:22/33 17:25	07:06 17:21-17:47/26 18:23	06:47 20:25	05:38 21:24	04:55 22:11
10	08:56 16:26	08:10 15:50-16:21/31 17:27	07:04 17:21-17:48/27 18:25	06:45 20:27	05:36 21:25	04:54 22:12
11	08:55 16:28	08:07 15:51-16:21/30 17:29	07:01 17:21-17:47/26 18:27	06:42 20:29	05:34 21:27	04:54 22:13
12	08:55 16:29	08:05 15:52-16:21/29 17:31	06:59 17:20-17:46/26 18:29	06:40 20:31	05:32 21:29	04:53 22:14
13	08:54 16:31	08:03 15:53-16:19/26 17:33	06:56 17:21-17:45/24 18:31	06:37 20:33	05:30 21:31	04:53 22:14
14	08:53 16:33	08:01 15:54-16:18/24 17:35	06:54 17:22-17:44/22 18:33	06:35 20:35	05:28 21:33	04:53 22:15
15	08:52 16:34	07:59 15:56-16:17/21 17:38	06:51 17:23-17:43/20 18:35	06:32 20:37	05:26 21:35	04:52 22:16
16	08:51 16:36	07:57 15:58-16:14/16 17:40	06:49 17:25-17:40/15 18:37	06:30 20:39	05:25 21:36	04:52 22:16
17	08:50 16:38	07:54 16:01-16:11/10 17:42	06:46 17:27-17:37/10 18:39	06:27 20:41	05:23 21:38	04:52 22:17
18	08:48 16:40	07:52 17:44 17:44	06:44 18:41	06:25 20:43	05:21 21:40	04:52 22:17
19	08:47 16:42	07:50 17:46 17:46	06:41 18:43	06:22 20:45	05:19 21:42	04:52 22:18
20	08:46 16:44	07:48 17:48 17:48	06:38 18:45	06:20 20:47	05:18 21:43	04:52 22:18
21	08:45 16:45	07:45 17:50 17:50	06:36 18:47	06:18 20:49	05:16 21:45	04:52 22:18
22	08:43 15:58-16:08/10 16:47	07:43 17:52 17:52	06:33 18:49	06:15 20:51	05:15 21:47	04:52 22:18
23	08:42 15:55-16:10/15 16:49	07:41 17:54 17:54	06:31 18:51	06:13 20:52	05:13 21:48	04:52 22:19
24	08:40 15:54-16:12/18 16:51	07:38 17:57 17:57	06:28 18:53	06:11 20:54	05:12 21:50	04:53 22:19
25	08:39 15:53-16:15/22 16:53	07:36 17:59 17:59	06:26 18:55	06:08 20:56	05:10 21:52	04:53 22:19
26	08:37 15:52-16:16/24 16:55	07:33 18:01 18:01	06:23 18:57	06:06 20:58	05:09 21:53	04:54 22:19
27	08:36 15:51-16:17/26 16:57	07:31 18:03 18:03	06:20 18:59	06:04 21:00	05:07 21:55	04:54 22:19
28	08:34 15:50-16:18/28 16:59	07:29 18:05 18:05	06:18 19:01	06:01 21:02	05:06 21:56	04:55 22:18
29	08:32 15:50-16:19/29 17:02		07:15 20:03	05:59 21:04	05:05 21:58	04:55 22:18
30	08:31 15:49-16:19/30 17:04		07:13 20:05	05:57 21:06	05:04 21:59	04:56 22:18
31	08:29 15:49-16:20/31 17:06		07:10 20:07		05:03 22:00	
Potential sun hours	242	269	366	423	501	520
Sum of minutes with flicker	233	487	352	0	0	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG

Calculation: Enercon E138 (be 6 VE) Shut down **WTG: 7 - ENERCON E-138 EP3 E2 4200 138.3 !O!** hub: 130,3 m (TOT: 199,5 m) (8)

Assumptions for shadow calculations

Sunshine probability S (Average daily sunshine hours) [KLAIPĖDA]

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1,9 5,38 5,62 6,96 8,80 10,41 9,72 7,26 8,32 5,93 2,58 2,32

Operational time

0 1 Sum

4.380 4.380 8.760

	July	August	September	October	November	December
1	04:57	05:39	06:37	07:34 18:01-18:25/24	07:36	08:35
	22:17	21:39	20:29	19:12	16:57	16:10
2	04:57	05:41	06:39	07:36 18:00-18:26/26	07:38	08:36
	22:17	21:37	20:26	19:09	16:55	16:09
3	04:58	05:43	06:41	07:38 17:59-18:26/27	07:40	08:38
	22:17	21:35	20:24	19:07	16:53	16:08
4	04:59	05:45	06:43	07:40 17:59-18:25/26	07:42	08:39
	22:16	21:33	20:21	19:04	16:51	16:07
5	05:00	05:47	06:45	07:42 17:57-18:24/27	07:44	08:41
	22:15	21:31	20:19	19:01	16:49	16:07
6	05:01	05:48	06:47	07:44 17:57-18:23/26	07:46	08:42
	22:15	21:29	20:16	18:59	16:47	16:06
7	05:02	05:50	06:49	07:46 17:57-18:23/26	07:49 15:52-15:53/1	08:44
	22:14	21:27	20:14	18:56	16:45	16:05
8	05:03	05:52	06:51	07:48 17:59-18:23/24	07:51	08:45
	22:13	21:25	20:11	18:54	16:43	16:05
9	05:04	05:54	06:53	07:50 17:59-18:22/23	07:53 15:51-15:52/1	08:46
	22:12	21:23	20:09	18:51	16:41	16:04
10	05:05	05:56	06:54	07:52 18:00-18:19/19	07:55 15:50-15:51/1	08:48
	22:11	21:21	20:06	18:49	16:39	16:04
11	05:07	05:58	06:56	07:54 18:01-18:16/15	07:57 15:50-15:52/2	08:49
	22:11	21:19	20:03	18:46	16:38	16:04
12	05:08	06:00	06:58	07:56 18:03-18:14/11	07:59 15:49-15:51/2	08:50
	22:09	21:17	20:01	18:44	16:36	16:04
13	05:09	06:01	07:00	07:58	08:01 15:48-15:50/2	08:51
	22:08	21:14	19:58	18:41	16:34	16:03
14	05:10	06:03	07:02	08:00	08:03 15:47-15:50/3	08:52
	22:07	21:12	19:56	18:39	16:32	16:03
15	05:12	06:05	07:04	08:02	08:05 15:47-15:50/3	08:53
	22:06	21:10	19:53	18:37	16:31	16:03
16	05:13	06:07	07:06	08:04	08:07 15:45-15:49/4	08:54
	22:05	21:08	19:50	18:34	16:29	16:03
17	05:15	06:09	07:08	08:06	08:09 15:43-15:48/5	08:55
	22:04	21:05	19:48	18:32	16:27	16:03
18	05:16	06:11	07:09	08:08	08:11 15:41-15:46/5	08:56
	22:02	21:03	19:45	18:29	16:26 15:28-15:29/1	16:04
19	05:18	06:13	07:11	08:10	08:13 15:36-15:44/8	08:56
	22:01	21:01	19:43	18:27	16:24 15:29-15:34/5	16:04
20	05:19	06:15	07:13	08:12	08:15 15:33-15:43/10	08:57
	22:00	20:58	19:40	18:24	16:23	16:04
21	05:21	06:17	07:15	08:14	08:17	08:58
	21:58	20:56	19:38	18:22	16:21	16:05
22	05:22	06:18	07:17	08:16	08:19	08:58
	21:57	20:53	19:35	18:20	16:20	16:05
23	05:24	06:20	07:19	08:18	08:20	08:59
	21:55	20:51	19:32	18:17	16:19	16:06
24	05:25	06:22	07:21	08:20	08:22	08:59
	21:53	20:49	19:30	18:15	16:17	16:06
25	05:27	06:24	07:23	07:22 15:30-15:42/12	08:24	09:00
	21:52	20:46	19:27	17:13	16:16	16:07
26	05:29	06:26	07:25 18:11-18:18/7	07:24 15:28-15:45/17	08:26	09:00
	21:50	20:44	19:25	17:11	16:15	16:08
27	05:31	06:28	07:27 18:07-18:21/14	07:26 15:25-15:47/22	08:28	09:00
	21:48	20:41	19:22	17:08	16:14	16:08
28	05:32	06:30	07:28 18:05-18:23/18	07:28 15:23-15:48/25	08:29	09:00
	21:47	20:39	19:19	17:06	16:13	16:09
29	05:34	06:32	07:30 18:03-18:24/21	07:30 15:22-15:49/27	08:31	09:00
	21:45	20:36	19:17	17:04	16:12	16:10
30	05:36	06:34	07:32 18:02-18:25/23	07:32 15:22-15:50/28	08:33	09:00
	21:43	20:34	19:14	17:02	16:11	16:11
31	05:38	06:36		07:34		09:00
	21:41	20:31		17:00		16:12
Potential sun hours	521	465	383	326	253	224
Sum of minutes with flicker	0	0	83	405	53	0

Table layout: For each day in each month the following matrix apply

Day in month	Sun rise (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker
	Sun set (hh:mm)	First time (hh:mm) with flicker-Last time (hh:mm) with flicker/Minutes with flicker

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaiėių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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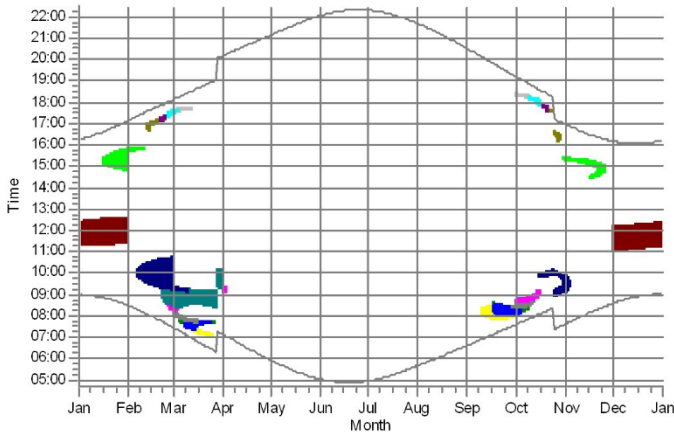
Calculated:

2021.12.03 11:21/3.5.552

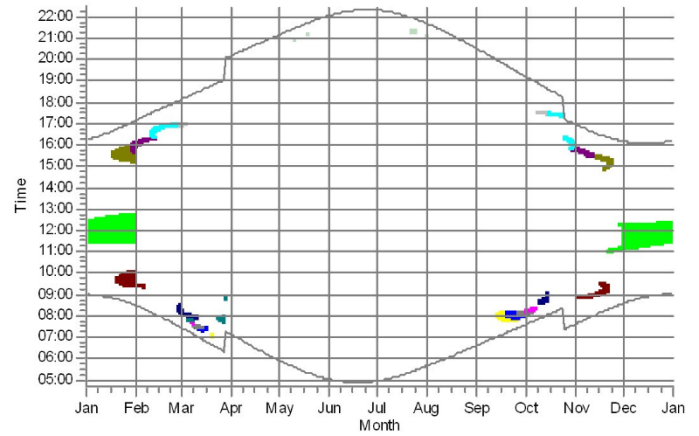
SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

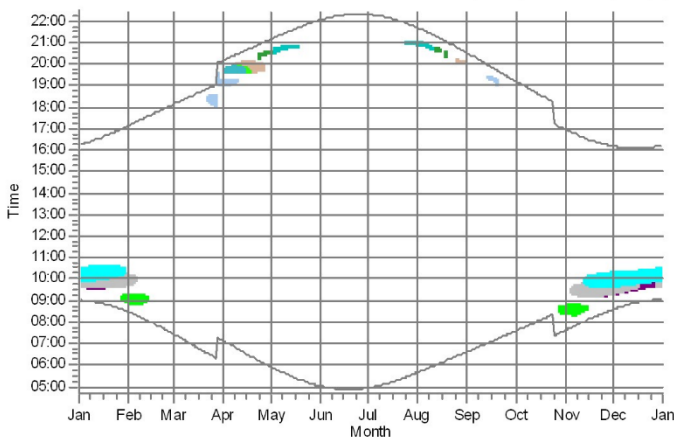
1: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)



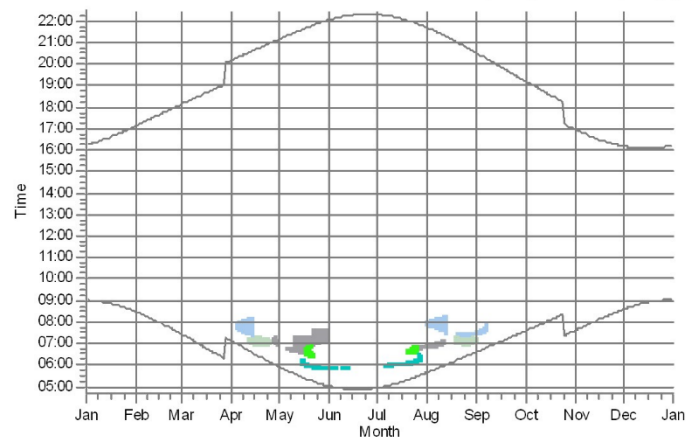
2: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)



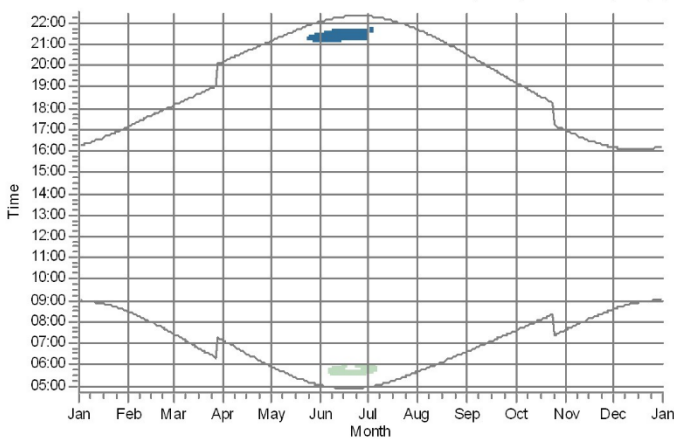
3: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)



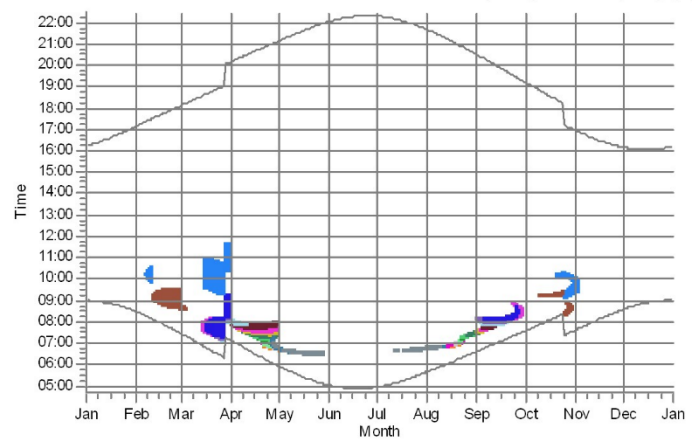
4: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)



5: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)



6: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)



Shadow receptors

- A: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (62)*
- B: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (63)*
- C: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (64)*
- D: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (65)*
- E: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (66)*
- F: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (67)*
- G: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (68)*
- H: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (69)*
- I: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (70)*
- J: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (71)*
- K: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (72)*
- L: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (73)*
- M: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (74)*

* Results reduced by thicker curtain limit

- O: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (76)*
- P: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (77)*
- Q: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (78)*
- R: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (79)*
- S: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (80)*
- T: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (81)*
- U: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (82)*
- V: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (83)*
- W: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (84)*
- X: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (85)*
- Y: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (86)*
- Z: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (87)*
- AA: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (88)*

- AC: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (90)*
- AD: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (91)*
- AE: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (92)*
- AF: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (93)*
- AG: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (94)*
- AH: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (95)*
- AI: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (96)*
- AJ: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (97)*
- AK: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (98)*
- AL: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (99)*
- AM: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (100)*
- AN: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (101)*

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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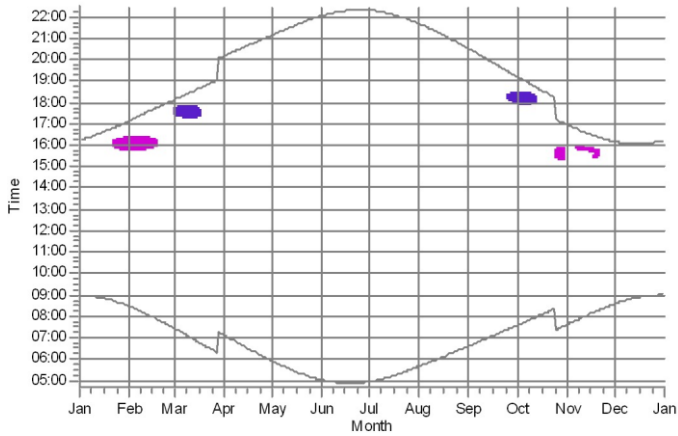
Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

7: ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)



Shadow receptors

AO: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (102)*

AP: Shadow Receptor: 1,0 x 1,0 Azimuth: 0,0° Slope: 90,0° (103)

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniĀ (Āilutēs raj. sav. UsēnĀ ir JuknaiēiĀ sen.: KavoliĀ, StremeniĀ, KūgeliĀ, OkslindpiĀ, SkieriĀ bei MenklaukiĀ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Calendar per WTG, graphical

Calculation: Enercon E138 (be 6 VE) Shut down

** Results reduced by flicker curtailment*

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1		14:52-15:43 11:28-12:33	16:35-17:33 15:00-15:40 09:19-10:43	10:21-11:08 09:17-10:11 08:11-08:28		
2		14:51-15:44 11:29-12:33	16:36-17:35 15:03-15:38 09:18-10:43	10:24-11:05 09:18-10:09 08:14-08:25		
3		14:51-15:45 11:30-12:32	16:36-17:35 15:06-15:35 09:17-10:43 08:08-08:18	10:26-11:00 09:18-10:06		
4		14:51-15:46 11:30-12:32	16:38-17:37 15:10-15:32 09:17-10:44 08:04-08:23	10:30-10:56 09:28-10:03		
5		14:50-15:47 11:31-12:32	16:39-17:38 15:16-15:25 09:15-10:43 08:00-08:26	10:37-10:46 09:30-09:59		
6		14:50-15:48 11:32-12:31	16:42-17:40 09:15-10:44 07:58-08:28	09:34-09:55		
7		14:50-15:49 11:33-12:30	16:45-17:40 09:14-10:43 07:55-08:29	09:42-09:46		
8		14:49-15:49 11:33-12:29	16:47-17:41 09:13-10:43 07:53-08:30			
9		14:49-15:50 11:35-12:28	16:48-17:42 09:13-10:43 07:52-08:32			
10		14:49-15:51 11:36-12:27	16:48-17:42 09:12-10:42 07:50-08:32			
11		14:49-15:51 11:38-12:26	16:50-17:43 09:12-10:42 07:50-08:34			
12		14:49-15:51 11:39-12:23	16:50-17:42 09:11-10:41 07:48-08:34			
13		14:49-15:52 11:41-12:21	16:51-17:42 09:11-10:41 07:48-08:35			
14		16:44-16:55 14:49-15:52 11:44-12:19	16:54-17:42 09:10-10:40 07:47-08:35			
15		16:40-16:58 14:49-15:51 11:46-12:16	16:56-17:41 09:09-10:39 07:46-08:34 07:24-07:30			
16		16:39-17:01 14:49-15:51 11:50-12:12	17:08-17:41 09:09-10:39 07:46-08:35 07:20-07:35			
17		16:38-17:03 14:50-15:52 11:58-12:05	17:08-17:40 09:09-10:38 07:45-08:34 07:16-07:37			
18		16:37-17:04 14:50-15:51	17:09-17:38 09:09-10:37 07:45-08:35 07:15-07:39			
19		16:36-17:05 14:50-15:51	17:10-17:37 09:08-10:36 07:44-08:34 07:13-07:40			
20		16:36-17:07 14:51-15:51	17:11-17:35 09:08-10:34 07:44-08:33 07:11-07:41			
21		16:35-17:07 14:51-15:49	17:14-17:33 09:08-10:33 07:44-08:33 07:10-07:42			
22		16:35-17:12 14:52-15:49	17:16-17:30 09:08-10:31 07:44-08:32 07:09-07:42			
23		16:34-17:15 14:53-15:48	09:08-10:30 07:44-08:32 07:09-07:43			
24		16:34-17:17 14:54-15:47	09:08-10:28 07:44-08:31 07:07-07:42			
25		16:34-17:18 14:54-15:46	09:08-10:26 07:44-08:29 07:07-07:42			
26		16:34-17:20 14:56-15:45	09:08-10:25 07:45-08:28 07:07-07:38			
27		16:34-17:28 14:57-15:43	09:08-10:22 07:51-08:27 07:07-07:36			
28		16:35-17:31 14:59-15:42	09:09-10:20 07:54-08:26 07:07-07:36			
29			10:09-11:18 08:58-09:24 08:08-08:34			
30			10:19-11:15 10:10-10:16 09:06-09:22 08:09-08:33			
31			10:20-11:12 10:09-10:13 09:07-09:19 08:09-08:31			

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 1 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (1)

Flicker curtailment according to specified plan

	July	August	September	October	November	December
1				17:30-18:22 08:44-11:20	14:19-15:20 11:06-11:57	
2				17:28-18:21 08:44-11:20	14:19-15:19 11:04-11:58	
3				17:27-18:20 08:45-11:20	14:19-15:19 11:03-11:58	
4				17:26-18:19 08:45-11:20	14:20-15:19 11:03-12:00	
5			09:40-09:41	17:25-18:18 08:46-11:20	14:20-15:18 11:02-12:01	
6			09:31-09:51	17:24-18:17 08:47-11:19	14:20-15:17 11:01-12:01	
7			10:34-10:40 09:26-09:54	17:19-18:16 08:48-11:19	14:20-15:16 11:00-12:02	
8			10:25-10:49 09:23-09:57	17:15-18:14 08:49-11:19	14:22-15:16 11:00-12:03	
9			10:21-10:54 09:09-10:00	17:13-18:12 15:47-16:03 08:50-11:18	14:22-15:15 11:00-12:04	
10			10:17-10:58 09:05-10:02	17:11-18:10 15:42-16:07 08:52-11:18	14:23-15:14 10:59-12:04	
11			10:15-11:01 09:02-10:04	17:10-18:09 15:38-16:10 08:54-11:17	14:23-15:12 10:59-12:04	
12			10:11-11:03 08:59-10:05	17:08-18:07 15:35-16:12 08:56-11:16	14:25-15:12 10:59-12:05	
13			10:09-11:05 08:56-10:06	17:07-18:05 15:33-16:13 09:00-11:15	14:25-15:11 10:59-12:06	
14			10:08-11:08 08:49-10:07	17:06-18:02 15:31-16:16 09:07-11:16	14:26-15:09 10:58-12:06	
15			08:44-11:10	17:07-17:59 15:29-16:17 09:08-11:15	14:27-15:08 10:58-12:06	
16			08:41-11:11	17:06-17:52 15:28-16:17 09:55-11:14 09:10-09:52	14:29-15:07 10:59-12:07	
17			08:34-11:13	17:06-17:50 15:26-16:18 09:56-11:13 09:12-09:49	14:31-15:06 10:59-12:07	
18			08:33-11:14	17:05-17:48 15:25-16:19 09:57-11:12 09:14-09:46	14:33-15:04 10:59-12:07	
19			08:31-11:15	17:05-17:45 15:24-16:19 09:57-11:11 09:17-09:43	14:36-15:01 10:59-12:07	
20			08:30-11:16	17:05-17:41 15:22-16:20 09:59-11:09 09:22-09:38	14:38-14:59 10:59-12:07	
21			18:02-18:14 08:29-11:17	17:05-17:37 15:21-16:20 10:00-11:08	14:44-14:56 11:00-12:08	
22			17:59-18:17 08:29-11:18	17:06-17:37 15:21-16:21 10:02-11:08	11:00-12:08	
23			17:56-18:19 08:28-11:18	17:07-17:35 15:21-16:21 10:03-11:06	11:00-12:09	
24			17:54-18:20 08:28-11:19	17:07-17:34 15:20-16:21 10:05-11:05	11:01-12:09	
25			17:53-18:21 08:28-11:20	16:08-16:32 14:19-15:21 11:24-11:37 09:06-10:03	11:01-12:09	
26			17:52-18:22 08:27-11:20	16:09-16:30 14:19-15:21 11:18-11:43 09:08-10:01	11:02-12:09	
27			17:49-18:22 08:27-11:21	16:11-16:28 14:19-15:22 11:15-11:47 09:12-09:59	11:02-12:09	
28			17:39-18:22 08:27-11:20	16:15-16:24 14:19-15:22 11:13-11:49 09:14-09:56	11:03-12:09	
29			17:35-18:22 08:26-11:20	14:18-15:21 11:10-11:51 09:17-09:52	11:03-12:10	
30			17:32-18:22 08:27-11:20	14:18-15:21 11:08-11:53 09:21-09:47	11:04-12:10	
31				14:19-15:21 11:07-11:55 09:29-09:41		

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1		15:13-15:57 11:27-12:44 09:25-10:05	15:27-16:56 08:13-08:34			20:50-21:07
2		15:12-15:59 11:27-12:44 09:24-10:06	15:28-16:57 08:10-08:36			20:51-21:06
3		15:12-16:02 11:27-12:44 09:24-10:06	15:28-16:57 08:07-08:37			20:52-21:07
4		15:12-16:05 11:28-12:44 09:23-10:07	15:30-16:57 08:06-08:39			20:53-21:06
5		15:12-16:07 11:28-12:44 09:23-10:08	15:31-16:57 08:04-08:39			20:53-21:05
6		15:12-16:10 11:28-12:44 09:23-10:08	15:33-16:58 08:03-08:41			20:55-21:05
7		15:11-16:10 11:29-12:44 09:22-10:09	15:35-16:57 08:01-08:41			20:56-21:04
8		15:11-16:12 11:28-12:43 09:21-10:08	15:36-16:56 07:59-08:41 07:40-07:47			20:57-21:02
9		15:11-16:14 11:29-12:43 09:21-10:08	15:40-16:56 07:59-08:42 07:36-07:52			
10		15:12-16:15 11:30-12:43 09:21-10:09	16:01-16:55 15:44-16:00 07:57-08:41 07:33-07:54			
11		15:12-16:17 11:31-12:43 09:21-10:09	16:02-16:55 07:57-08:42 07:32-07:56			
12		16:28-16:32 15:12-16:17 11:30-12:41 09:21-10:08	16:02-16:53 07:30-08:41		20:51-20:57	
13		16:21-16:39 15:12-16:18 11:31-12:41 09:21-10:08	16:02-16:52 07:29-08:42		20:50-20:58	
14		15:13-16:42 11:32-12:40 09:22-10:08	16:04-16:51 07:27-08:41		20:48-21:00	
15		15:13-16:44 11:32-12:39 09:22-10:07	16:04-16:50 07:26-08:40		20:48-21:02	
16		15:14-16:47 11:34-12:38 09:23-10:06	16:06-16:49 07:26-08:40 07:14-07:21		20:47-21:03	
17		15:15-16:49 11:35-12:37 09:24-10:06	16:07-16:47 07:25-08:39 07:11-07:24		20:47-21:05	
18		15:15-16:49 11:36-12:35 09:24-10:05	16:08-16:44 07:09-08:39		20:47-21:07	
19		15:16-16:51 11:37-12:34 09:25-10:04	16:11-16:43 07:06-08:37		20:47-21:08	
20		15:17-16:53 11:39-12:33 09:26-10:03	16:13-16:39 07:04-08:36		20:46-21:08	
21		15:18-16:53 11:40-12:30 09:27-10:01	16:17-16:36 07:03-08:35		20:47-21:09	
22		15:20-16:54 11:43-12:28 09:29-10:00	16:25-16:27 07:02-08:33		20:46-21:08	
23		15:21-16:54 11:44-12:25 09:30-09:57	07:02-08:32		20:46-21:09	
24		15:24-16:55 11:48-12:22 09:33-09:55	07:54-08:30 07:30-07:53 07:02-07:25		20:47-21:09	
25		15:24-16:55 11:51-12:17 09:36-09:50	07:54-08:27 07:33-07:51 07:02-07:22		20:47-21:09	
26		15:25-16:56 12:00-12:09	07:55-08:25 07:35-07:50 07:03-07:22		20:47-21:08	
27		15:25-16:56	08:04-08:21 07:56-08:03 07:37-07:47 07:03-07:20		20:47-21:08	
28		15:26-16:56	07:57-08:01 07:05-07:18		20:48-21:08	
29			08:08-08:14		20:48-21:08	
30					20:49-21:08	
31					20:49-21:07	

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 2 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (2)

Flicker curtailment according to specified plan

July	August	September	October	November	December
1	21:03-21:07		16:42-17:32 08:14-09:20	14:41-15:45 10:59-12:12 08:51-09:38	
2			16:40-17:32 08:15-09:20	14:41-15:43 10:59-12:13 08:51-09:38	
3			16:39-17:33 16:25-16:35 08:16-09:20	14:41-15:42 10:58-12:13 08:51-09:38	
4	21:04-21:08		16:19-17:33 08:17-09:19	14:42-15:41 10:58-12:14 08:52-09:38	
5	21:02-21:09		16:15-17:33 08:19-09:18	14:42-15:39 10:58-12:14 08:52-09:38	
6	21:01-21:10		16:12-17:33 08:21-09:17	14:42-15:37 10:58-12:14 08:53-09:37	
7	21:00-21:11		16:09-17:33 08:23-09:16	14:42-15:34 10:57-12:14 08:53-09:37	
8	20:59-21:12		16:07-17:32 08:25-09:15	14:43-15:33 10:58-12:15 08:55-09:37	
9	20:59-21:13		16:05-17:32 08:29-09:14	14:43-15:29 10:58-12:15 08:55-09:36	
10	20:58-21:13		16:03-17:31 08:41-09:12	14:44-15:28 10:58-12:14 08:56-09:36	
11	20:59-21:15		16:02-17:30 08:42-09:11	14:44-15:27 10:57-12:14 08:57-09:35	
12	20:58-21:16		16:00-17:29 08:45-09:09	14:46-15:27 10:58-12:15 08:59-09:35	
13	20:58-21:16		15:59-17:29 08:48-09:06	14:46-15:26 10:58-12:15 09:00-09:34	
14	20:57-21:16	08:41-08:43	15:58-17:28 08:55-09:00	14:47-15:25 10:58-12:15 09:01-09:33	
15	20:57-21:16	08:34-08:49	15:58-17:29	14:48-15:23 10:58-12:15 09:03-09:32	
16	20:57-21:18	08:55-09:09 08:27-08:52	15:57-17:28 12:28-12:45 10:13-10:18	14:50-15:23 11:00-12:15 09:05-09:32	
17	20:57-21:18	08:24-09:13	15:56-17:27 12:22-12:51 10:06-10:24	14:51-15:21 11:00-12:15 09:07-09:30	
18	20:56-21:18	08:22-09:15	15:54-17:26 12:18-12:54 10:03-10:27	14:52-15:19 11:00-12:15 09:10-09:27	
19	20:57-21:19	08:17-09:16	15:52-17:25 12:15-12:57 10:01-10:29	14:54-15:17 11:00-12:15 09:13-09:24	
20	20:56-21:18	08:11-09:17	15:50-17:24 12:12-12:59 09:59-10:30	14:57-15:15 11:01-12:15	
21	20:57-21:19	08:10-09:19	15:48-17:23 12:10-13:01 09:57-10:32	15:02-15:12 11:03-12:15	
22	20:56-21:18	17:03-17:19 08:10-09:20	15:47-17:23 12:09-13:04 09:56-10:34	11:03-12:15	
23	20:57-21:19	16:59-17:23 08:09-09:20	15:46-17:21 12:07-13:05 09:55-10:35	11:04-12:15	
24	20:57-21:18	16:56-17:26 08:08-09:21	15:45-17:19 12:06-13:06 09:54-10:35	11:05-12:15	
25	20:57-21:18	16:53-17:27 08:08-09:21	14:44-16:18 11:04-12:07 08:53-09:36	11:06-12:15	
26	20:57-21:16	16:51-17:29 08:08-09:22	14:43-16:16 11:03-12:08 08:52-09:36	11:06-12:15	
27	20:58-21:15	16:48-17:29 08:08-09:22	14:43-16:14 11:03-12:09 08:52-09:37	11:07-12:15	
28	20:58-21:13	16:46-17:30 08:08-09:21	14:42-16:11 11:02-12:10 08:52-09:37	11:08-12:15	
29	20:59-21:12	16:44-17:31 08:07-09:21	15:52-16:07 14:42-15:48 11:01-12:10 08:51-09:38	11:09-12:14	
30	21:00-21:10	16:43-17:31 08:08-09:21	14:41-15:46 11:00-12:11 08:50-09:38	11:10-12:14	
31	21:00-21:08		14:41-15:45 11:00-12:12 08:51-09:38		

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijų k. 3, Biruliskų k.,

LT-54469 Kauno r. sav.

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Raminta Survilė / r.surville@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 3 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (3)

Flicker curtailment according to specified plan

	January	February	March	April	May	June	July	August	September	October	November	December
1		10:10-10:11		19:15-19:42	20:08-20:33	20:20-20:46	20:32-20:46	20:20-20:56	19:20-20:00			
2				19:15-19:40	20:07-20:33	20:21-20:46	20:32-20:47	20:18-20:55	19:19-19:57 19:10-19:16			
3				19:15-19:40	20:07-20:34	20:22-20:46	20:32-20:48	20:18-20:54	19:06-19:55			
4				19:15-19:40	20:07-20:35	20:23-20:46	20:31-20:48	20:18-20:54	19:04-19:51			
5				19:15-19:40	20:07-20:38	20:23-20:45	20:30-20:49	20:17-20:53	19:02-19:50			
6				19:15-19:40	20:07-20:40	20:23-20:44	20:30-20:50	20:16-20:51	19:00-19:47			
7				19:15-19:40	20:07-20:42	20:25-20:44	20:30-20:51	20:16-20:49	18:59-19:45			
8				19:15-19:40	20:07-20:43	20:25-20:43	20:29-20:52	20:16-20:47	18:58-19:42			
9				19:15-19:40	20:07-20:44	20:26-20:43	20:29-20:52	20:15-20:42	18:57-19:40			
10				19:21-19:40 19:15-19:18	20:08-20:44	20:27-20:42	20:28-20:53	20:15-20:42	18:57-19:38			
11				19:21-19:40	20:08-20:45	20:28-20:42	20:29-20:54	20:16-20:42	18:55-19:34			
12				19:23-19:40	20:10-20:46	20:29-20:42	20:28-20:55	20:16-20:41	18:55-19:32			
13				19:24-19:40	20:11-20:47	20:29-20:41	20:28-20:55	20:16-20:40	18:55-19:29			
14				19:26-19:40	20:12-20:47	20:30-20:41	20:27-20:56	20:16-20:39	19:24-19:27 18:55-19:21			
15				19:31-19:40	20:14-20:48	20:31-20:41	20:27-20:56	20:17-20:38	18:56-19:20			
16				19:32-19:40	20:15-20:48	20:32-20:40	20:27-20:57	20:18-20:37	18:56-19:19			
17				19:34-19:40	20:15-20:49	20:33-20:40	20:26-20:57	20:18-20:34 19:52-20:03	18:57-19:17			
18					20:15-20:48	20:34-20:40	20:26-20:57	20:20-20:31 19:50-20:05	18:57-19:14			
19					20:15-20:49	20:34-20:39	20:26-20:58	19:48-20:06	18:59-19:10			
20					20:15-20:49	20:35-20:39	20:26-20:58	19:47-20:08				
21					20:16-20:49	20:35-20:39	20:26-20:59	19:46-20:08				
22					20:15-20:48	20:36-20:40	20:25-20:59	19:44-20:08				
23					20:16-20:49	20:36-20:40	20:26-20:59	19:44-20:09				
24					20:16-20:49	20:35-20:40	20:25-20:59	19:43-20:09				
25				20:13-20:25	20:17-20:49	20:35-20:42	20:26-20:59	19:40-20:09				
26				20:12-20:28	20:17-20:48	20:35-20:42	20:25-20:59	19:37-20:08				
27				20:10-20:29	20:17-20:48	20:35-20:44	20:26-20:59	19:34-20:07				
28				20:09-20:31	20:18-20:47	20:34-20:44	20:25-20:58	19:32-20:06				
29				20:09-20:32	20:18-20:47	20:34-20:45	20:24-20:58	19:27-20:05				
30			19:15-19:38	20:08-20:32	20:19-20:47	20:33-20:45	20:22-20:58	19:24-20:04				
31			19:15-19:40		20:20-20:47		20:21-20:57	19:23-20:03				

Project:

8 VE Ādilutēs r.

Description:

Vējo elektriniņ (Ādilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 4 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (4)

Flicker curtailment according to specified plan

	January	February	March	April	May	June	July	August	September	October	November	December
1					06:52-08:05	05:52-07:40	05:57-07:46	06:53-07:52	07:31-08:06			
2					06:50-08:04	05:52-07:40	05:57-07:46	06:53-07:50	07:33-08:05			
3					06:48-08:03	05:53-07:41	05:58-07:47	06:55-07:50	07:35-08:03			
4					06:46-08:02	05:52-07:41	05:57-07:46	06:56-07:49	07:37-08:01			
5					06:45-08:01	05:52-07:41	05:58-07:46	06:57-07:48	07:41-07:59			
6					06:45-07:59	05:52-07:40	05:58-07:47	06:58-07:46	07:48-07:49			
7					06:45-07:58	05:52-07:41	05:58-07:47	07:00-07:44				
8					06:45-07:56	05:52-07:41	05:59-07:47	07:01-07:43				
9					06:45-07:54	05:53-07:41	05:59-07:47	07:02-07:40				
10					06:45-07:52	05:52-07:41	05:59-07:48	07:05-07:38				
11					07:15-07:49	05:53-07:41	06:01-07:49	07:08-07:35				
12					07:37-07:45 07:15-07:36	05:53-07:42	06:01-07:49	07:01-07:32				
13					07:15-07:36	05:53-07:41	06:01-07:49	07:03-07:29				
14					07:15-07:36	05:53-07:42	06:01-07:49	07:27-08:14 07:06-07:25				
15			07:24-08:10		07:15-07:37	05:53-07:42	06:01-07:49	07:27-08:15 07:13-07:18				
16			07:22-08:10		07:15-07:37	05:54-07:42	06:03-07:49	07:27-08:15				
17			07:22-08:10		07:15-07:38 06:05-06:16	05:54-07:42	06:03-07:49	07:25-08:15				
18			07:21-08:10		07:15-07:38 06:02-06:17	05:54-07:43	06:03-07:49	07:25-08:15				
19			07:20-08:10		07:15-07:39 06:00-06:19	05:54-07:43	06:04-07:49	07:25-08:15				
20			07:20-08:11		07:15-07:39 05:58-06:20	05:54-07:43	06:37-07:49 06:05-06:35	07:26-08:15				
21			07:19-08:10		07:15-07:39 06:34-06:51 05:58-06:23	05:54-07:43	06:40-07:50 06:06-06:35	07:26-08:15				
22			07:19-08:10		06:30-06:54 05:56-06:23	05:55-07:44	06:42-07:49 06:07-06:33	07:25-08:14				
23			07:19-08:10		06:28-06:57 05:56-06:25	05:55-07:44	06:47-07:49 06:08-06:31	07:26-08:14				
24			07:19-08:10		05:55-06:59	05:55-07:44	06:48-07:49 06:09-06:30	07:26-08:14				
25			07:19-08:08		05:55-07:00	05:56-07:44	06:49-07:49 06:11-06:29	07:26-08:14				
26			07:19-08:08		05:54-07:02	05:56-07:44	06:49-07:48 06:13-06:27	07:27-08:13				
27			07:19-08:08		05:53-07:03	05:56-07:45	06:50-07:48 06:17-06:25	07:27-08:12				
28			07:20-08:07		05:53-07:05	05:56-07:45	06:50-07:48	07:27-08:11				
29			07:20-08:07 07:15-07:19		05:53-07:06	05:57-07:45	06:51-07:48	07:28-08:10				
30			07:07-08:06		05:53-07:07	05:56-07:45	06:52-07:47	07:29-08:09				
31					05:52-07:08		06:52-07:46	07:31-08:08				

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Oklindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 5 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (5)

Flicker curtailment according to specified plan

	January	February	March	April	May	June	July	August	September	October	November	December
1			07:52-08:15				21:16-21:39 05:48-05:52					
2			07:50-08:15				21:17-21:39					
3			07:47-08:14				21:17-21:39			08:26-08:34		
4			07:45-08:14				21:17-21:38			08:24-08:36		
5			07:44-08:12				21:17-21:38			08:22-08:37		
6			07:44-08:11				21:17-21:38			08:21-08:38		
7			07:44-08:06				21:18-21:37			08:20-08:44		
8			07:44-08:01				21:18-21:36			08:19-08:46		
9			07:46-08:00				21:18-21:35			08:19-08:48		
10			07:47-07:57				21:19-21:35			08:20-08:48		
11							21:19-21:34			08:22-08:49		
12						05:43-05:50	21:20-21:34			08:24-08:49		
13						05:42-05:52	21:20-21:33			08:26-08:48		
14						05:41-05:52	21:21-21:31			08:28-08:48		
15						05:40-05:53	21:21-21:30			08:31-08:48		
16						05:40-05:54	21:22-21:30			08:33-08:47		
17						05:40-05:55	21:23-21:28			08:35-08:46		
18						05:40-05:55	21:24-21:27			08:37-08:45		
19						05:40-05:56				08:39-08:42		
20						05:40-05:56						
21						05:40-05:56						
22						05:41-05:57						
23		08:07-08:12				05:41-05:57						
24		08:05-08:14				05:41-05:56						
25		08:02-08:14				05:42-05:57						
26		08:00-08:16				05:42-05:56						
27		07:57-08:15				05:43-05:57						
28		07:55-08:16				05:43-05:56						
29						05:45-05:55						
30						05:46-05:54						
31												

Project:

8 VE Ādilutēs r.

Description:

Vējo elektriniņ (Ādilutēs raj. sav. Usēņo ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down**WTG:** 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Flicker curtailment according to specified plan

	January	February	March	April	May	June
1			08:40-10:58	10:23-11:33 08:02-09:12	06:43-08:20	06:31-07:40
2			08:39-10:58	10:23-11:30 08:02-09:12	06:42-08:18	06:31-07:39
3			08:39-10:59	10:25-11:28 08:00-09:12	06:41-08:16	06:31-07:38
4			08:38-10:59	10:26-11:24 07:58-09:11	06:41-08:14	06:32-07:38
5			08:38-10:59	10:28-11:22 07:58-09:11	06:40-08:13	06:32-07:36
6			08:37-10:59	10:29-11:18 07:57-09:10	06:41-08:11	06:32-07:35
7			08:38-11:00	10:32-11:14 07:56-09:10	06:40-08:10	06:33-07:34
8			08:38-10:59	10:34-11:09 07:55-09:09	06:39-08:08	06:32-07:33
9			08:37-10:59	10:39-11:04 07:55-09:09	06:38-08:07	06:33-07:32
10			08:38-10:59	10:47-10:52 07:54-09:07	06:37-08:05	06:33-07:31
11			08:38-10:58	07:54-09:07	06:36-08:03	06:33-07:31
12	09:48-10:38		08:39-10:59	07:54-09:06	06:36-08:02	06:34-07:32
13	09:46-10:40		08:40-10:58	07:53-09:05	06:35-08:00	06:34-07:31
14	09:43-10:42		08:41-10:58	07:53-09:04	06:34-07:59	06:34-07:31
15	09:42-10:44		08:41-10:57	07:52-09:02	06:34-07:58	06:34-07:32
16	09:40-10:46		08:42-09:36	07:53-09:01	06:34-07:56	06:35-07:32
17	09:38-10:47		08:44-09:35	07:53-09:00	06:33-07:54	06:35-07:32
18	09:37-10:49		08:45-09:33	07:52-08:58	06:33-07:53	06:35-07:32
19	09:36-10:50 09:30-09:31		09:18-09:32 08:48-09:15	07:53-08:56	06:32-07:52	06:36-07:32
20	09:34-10:51 09:30-09:32		09:18-09:30 08:51-09:11	07:53-08:55	06:32-07:51	06:36-07:32
21	09:30-10:52		09:17-09:28 08:56-09:04	07:53-08:52	06:32-07:51	06:36-07:33
22	09:30-10:53		09:18-09:26	07:54-08:50	06:31-07:49	06:36-07:32
23	09:30-10:54		09:18-09:23	07:54-08:47	06:31-07:48	06:37-07:33
24	09:30-10:55		09:19-09:21	07:55-08:43	06:32-07:47	06:36-07:33
25	09:30-10:56			08:31-08:35 07:55-08:30	06:31-07:45	06:37-07:34
26	09:30-10:56			07:56-08:29	06:31-07:44	06:37-07:34
27	09:30-10:57			07:57-08:27	06:31-07:44	06:37-07:34
28	09:30-10:57			07:58-08:26 06:58-07:14	06:31-07:43	06:37-07:35
29				07:59-08:24 06:54-07:18	06:31-07:42	06:38-07:35
30				08:00-08:22 06:51-07:21	06:31-07:42	06:37-07:35
31					06:31-07:41	

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okslindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

Licensed user:

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LT-54469 Kauno r. sav.

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Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 6 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (7)

Flicker curtailment according to specified plan

July	August	September	October	November	December
1	06:38-07:35	06:47-08:13	08:08-09:06 07:34-08:07	09:19-11:38	
2	06:38-07:36	06:46-08:14	10:46-10:51 08:08-09:06 07:36-08:04	09:17-11:37	
3	06:37-07:36	06:47-08:16	10:37-11:02 08:08-09:07 07:40-08:00	09:17-11:37	
4	06:38-07:37	06:48-08:18	10:32-11:07 08:08-09:07 07:49-07:51	09:16-11:37	
5	06:38-07:39	06:48-08:18	10:28-11:10 08:07-09:06	09:15-11:36	
6	06:38-07:41	06:50-08:20	10:25-11:14 08:07-09:06	09:14-11:36	
7	06:38-07:42	06:50-08:22	10:23-11:17 08:07-09:06	09:14-11:35	
8	06:38-07:43	06:51-08:24	10:21-11:19 08:07-09:06	09:13-11:35	
9	06:38-07:45	06:50-08:24	10:19-11:22 08:07-09:06	09:13-11:34	
10	06:38-07:46	06:51-08:26	10:17-11:23 08:06-09:05	09:13-11:33	
11	06:38-07:47	06:51-08:27	10:15-11:25 08:07-09:04	09:13-11:33	
12	06:40-07:49	06:51-08:28	10:14-11:27 08:07-09:04	09:13-11:32	
13	06:40-07:50	06:52-08:30	10:12-11:29 08:08-09:03	09:13-11:31	
14	06:40-07:50	06:53-08:32	10:11-11:30 08:08-09:03	09:13-11:30	
15	06:39-07:51	06:54-08:34	10:10-11:32 08:09-09:02	09:14-11:29	
16	06:40-07:53	06:55-08:35	10:08-11:32 08:09-09:00	09:14-11:28	
17	06:40-07:53	06:55-08:35	10:07-11:33 08:10-08:59	09:15-11:27	
18	06:40-07:54	06:57-08:44	10:06-11:34 08:11-08:58	09:16-11:26	
19	06:41-07:56	06:59-08:50	10:05-11:35 08:12-08:57	09:17-11:25	
20	06:41-07:57	07:01-08:53	10:05-11:36 08:14-08:56	10:11-11:24 09:18-10:08	
21	06:41-07:58	07:03-08:55	10:04-11:36 08:15-08:55	10:12-11:22 10:04-10:06 09:19-10:03	
22	06:42-08:00	07:16-08:57 07:10-07:13	10:03-11:37 08:17-08:54	10:13-11:21 09:20-10:02	
23	06:42-08:00	07:18-08:59	10:02-11:38 09:37-09:54 08:20-08:51	10:15-11:19 09:21-10:00	
24	06:43-08:02	07:20-09:00	10:01-11:37 09:32-09:57 08:22-08:46	10:18-11:18 09:24-10:00	
25	06:42-08:03	07:23-09:02	09:29-11:37 08:27-08:41	09:20-10:15 08:26-08:58	
26	06:43-08:04	07:23-09:02	09:26-11:38	09:22-10:12 08:28-08:56	
27	06:44-08:06	07:25-09:03	09:24-11:38	09:25-10:09 08:32-08:52	
28	06:44-08:07	07:27-09:04	09:23-11:38	09:28-10:05 08:38-08:45	
29	06:45-08:09	07:29-09:05	09:21-11:38	09:33-10:01	
30	06:45-08:09	07:31-09:06	09:20-11:38	09:39-09:55	
31	06:46-08:11	07:32-09:05			

Project:

8 VE Āilutēs r.

Description:

Vējo elektriniņ (Āilutēs raj. sav. Usēņ ir Juknaiēņ sen.: Kavoliņ, Stremeniņ, Kūgeliņ, Okslindpiņ, Skieriņ bei Menklaukiņ kaimuose) statyba ir eksploatacija

Licensed user:

UAB Infraplanas

Inovacijy k. 3, Biruliskiy k.,

LT-54469 Kauno r. sav.

+8 621 66746

Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Flicker curtailment calendar

Calculation: Enercon E138 (be 6 VE) Shut down **WTG:** 7 - ENERCON E-138 EP3 E2 4200 138.3 !O! hub: 130,3 m (TOT: 199,5 m) (8)

Flicker curtailment according to specified plan

	January	February	March	April	May	June	July	August	September	October	November	December
1											15:20-15:51	
2											15:19-15:51	
3											15:19-15:52	
4											15:19-15:52	
5											15:19-15:52	
6											15:18-15:52	
7											15:19-15:52	
8											15:19-15:52	
9											15:19-15:51	
10											15:19-15:50	
11											15:21-15:50	
12											15:21-15:49	
13											15:22-15:48	
14											15:22-15:47	
15											15:24-15:47	
16											15:25-15:45	
17											15:26-15:43	
18											15:29-15:41	
19											15:34-15:36	
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31										15:21-15:51		

Project:

8 VE Ėilutės r.

Description:

Vėjo elektrinių (Ėilutės raj. sav. Usėnų ir Juknaičių sen.: Kavolių, Stremenių, Kūgelio, Okšindžių, Skierių bei Menklaukių kaimuose) statyba ir eksploatacija

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Inovacijų k. 3, Biruliskių k.,

LT-54469 Kauno r. sav.

+8 621 66746

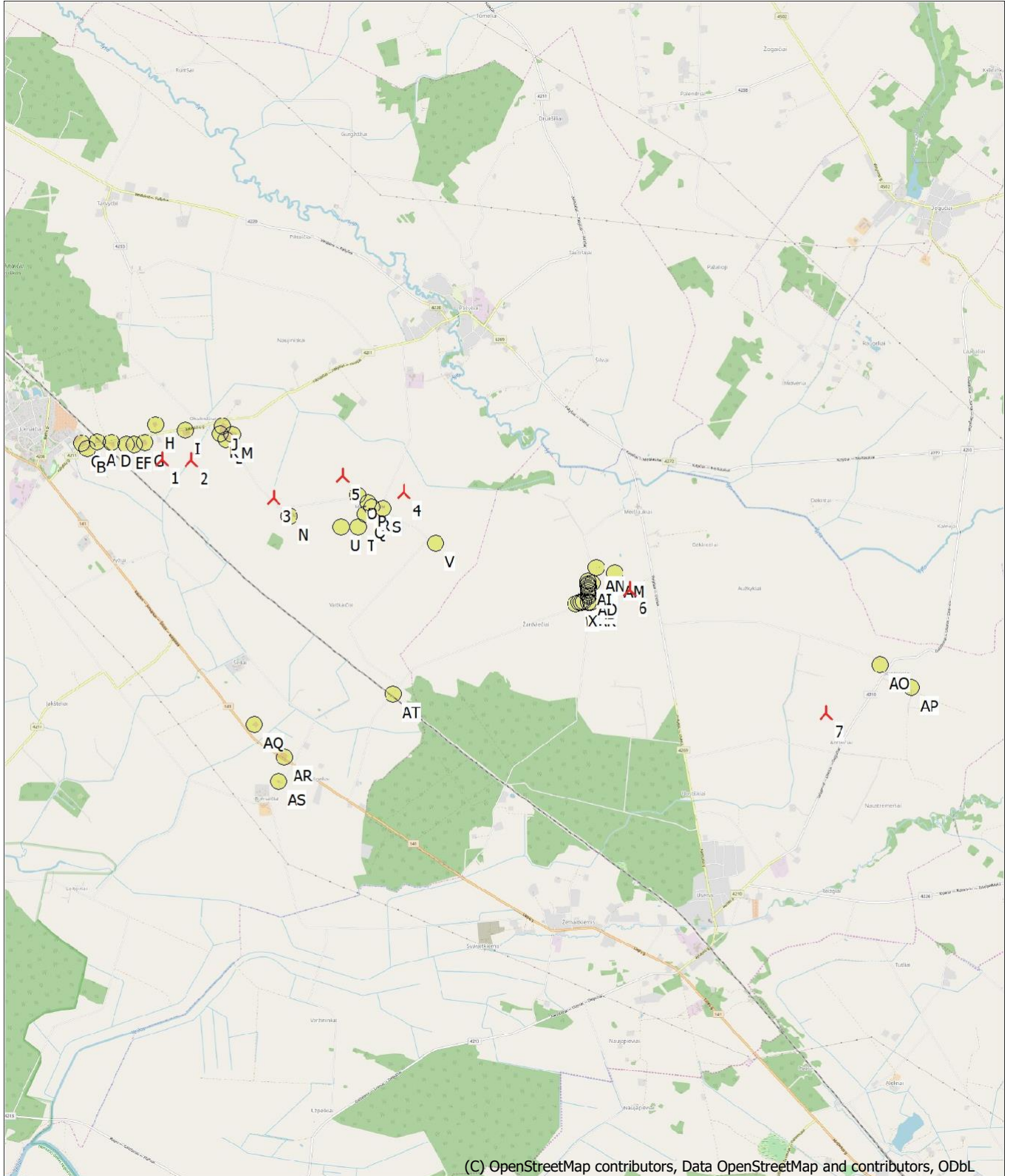
Raminta Survilė / r.survile@infraplanas.lt

Calculated:

2021.12.03 11:21/3.5.552

SHADOW - Map

Calculation: Enercon E138 (be 6 VE) Shut down



(C) OpenStreetMap contributors, Data OpenStreetMap and contributors, ODbL

0 1 2 3 4 km

Map: EMD OpenStreetMap , Print scale 1:75.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 352.410 North: 6.128.477

New WTG

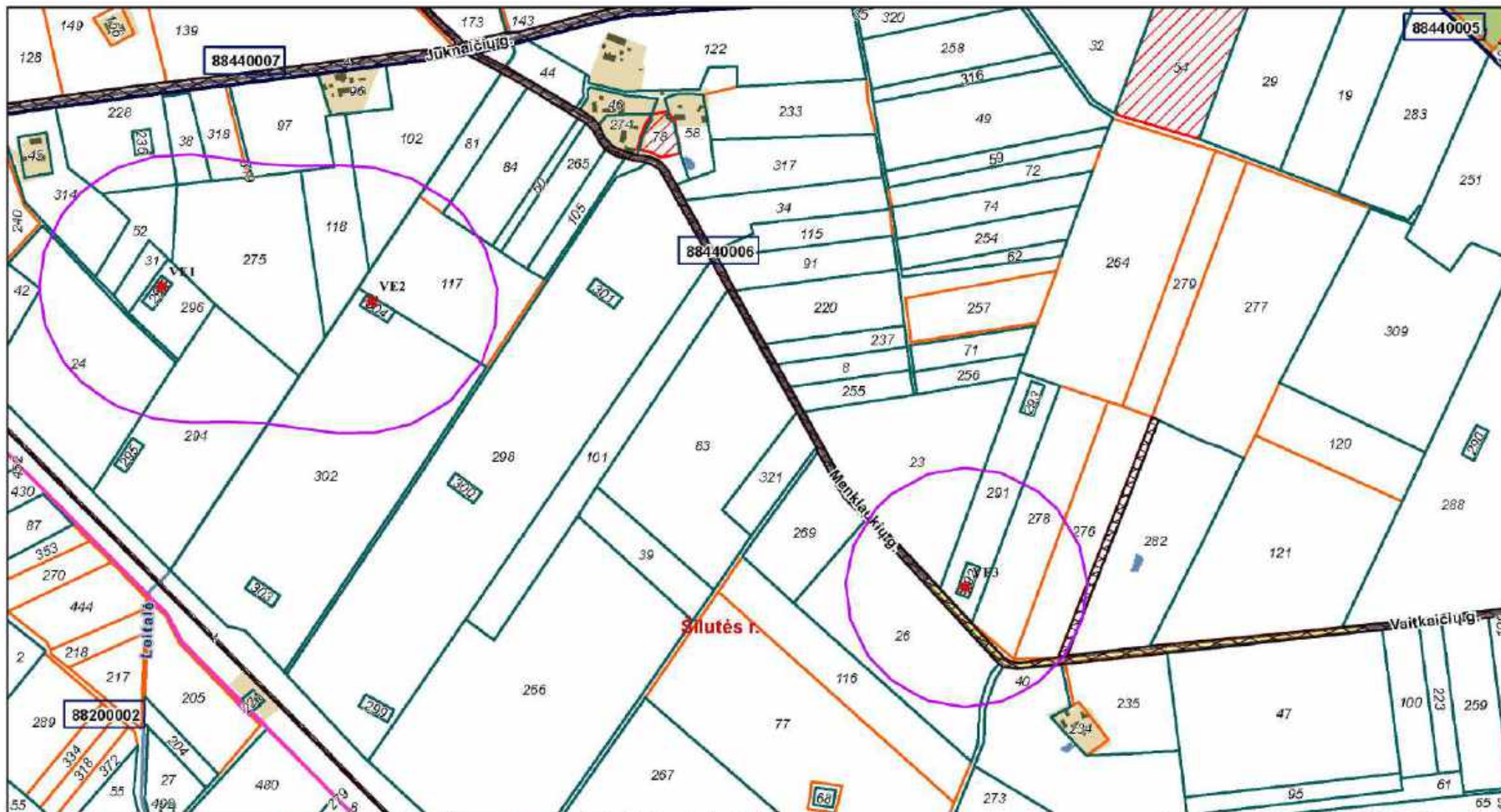
Shadow receptor

Flicker map level: Height Contours: CONTOURLINE_8 VE Ėilutės r_0.wpo (1)

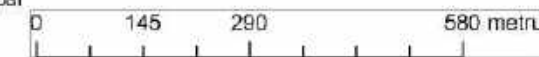
1.6 Priedėlis. Rekomenduojama sanitarinė apsaugos zona

KADASTRO ŽEMĖLAPIO IŠTRAUKA

Mastelis 1:10000



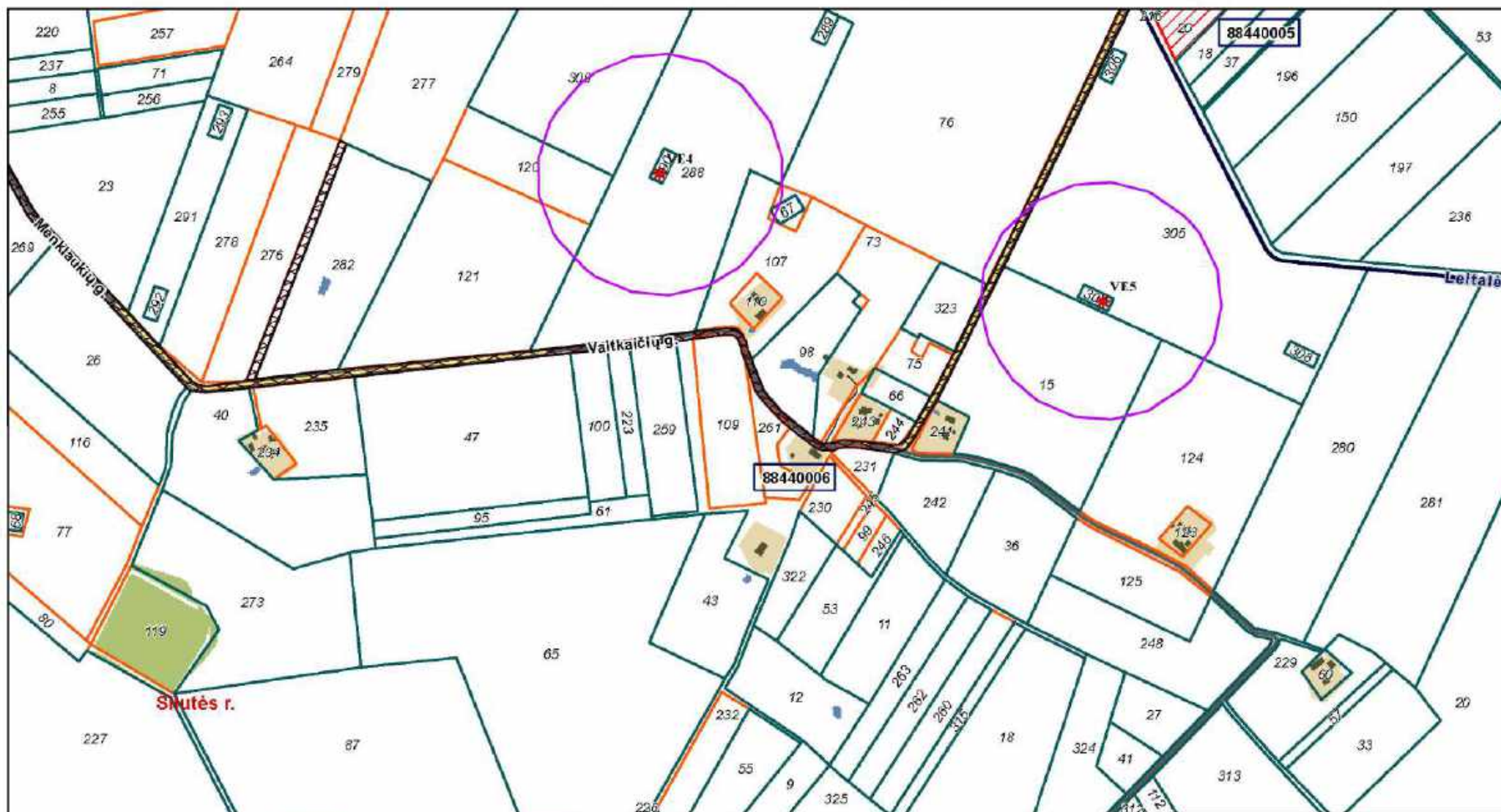
00 Adreso numeris	Savivaldybės riba	Geodeziškai matuoti sklypai	Planuojamos vėjo elektrinės Viršnorminė triukšmo zona, Lnaktis 45 dBA
000 Žemės sklypo numeris	Kadastro vietovės riba	Preliminariai matuoti sklypai	
00000000 Kadastro bloko numeris	Kadastro bloko riba	Koreguolini sklypai	
	Inžineriniai statiniai		

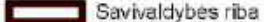



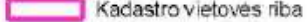

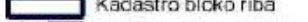
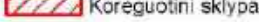
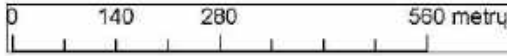



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KADASTRO ŽEMĖLAPIO IŠTRAUKA

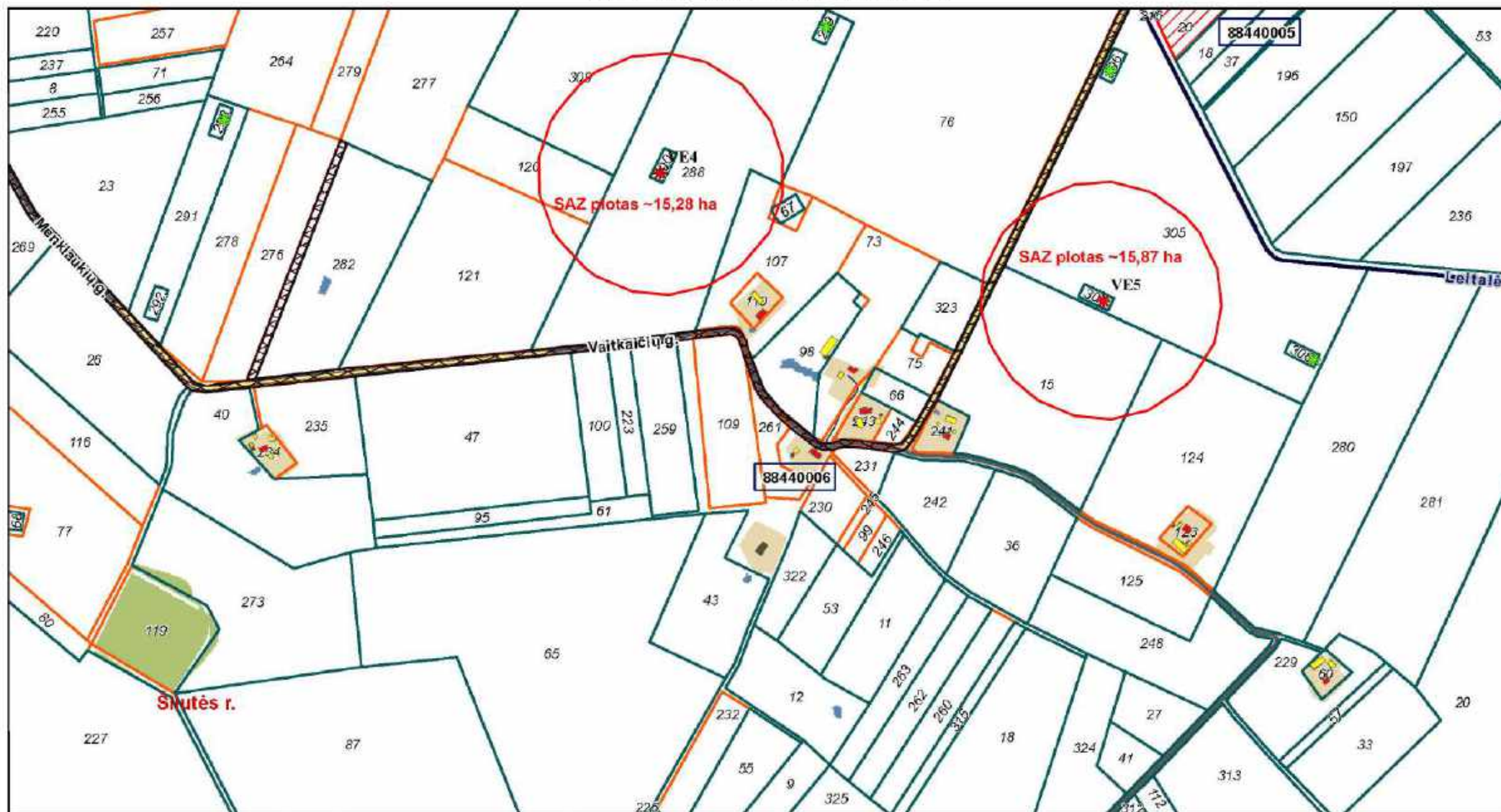
Mastelis 1:10000



∞	Adreso numeris		Savivaldybės riba		Geodeziškai matuoti sklypai	 Planuojamos vėjo elektrinės  Viršnominė triukšmo zona, Lnaktis 45 dBA
000	Žemės sklypo numeris		Kadastrų vietovės riba		Preliminariai matuoti sklypai	
00000000	Kadastrų bloko numeris		Kadastrų bloko riba		Koreguotini sklypai	
			Inžineriniai statiniai			

KADASTRO ŽEMĖLAPIO IŠTRAUKA

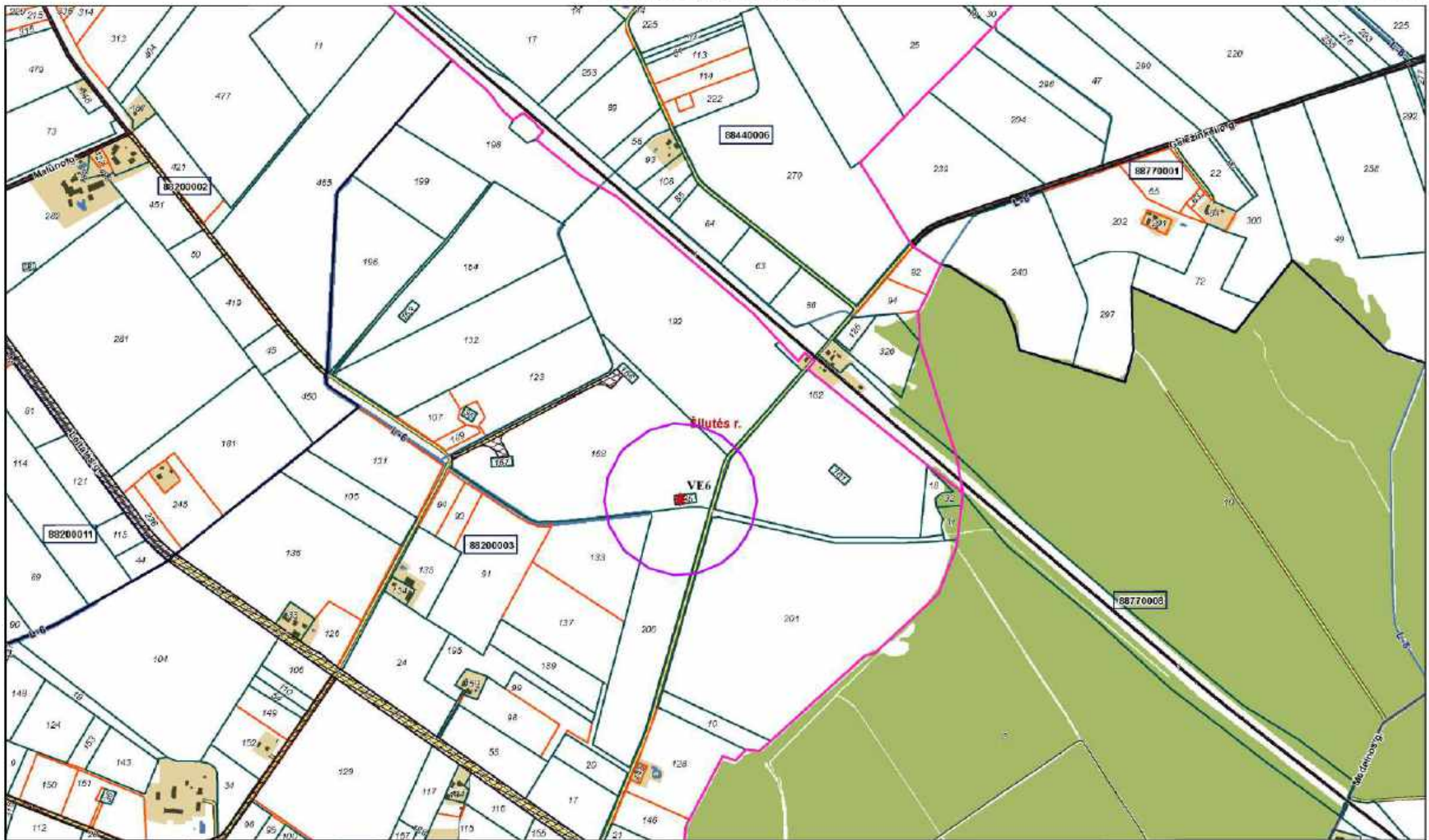
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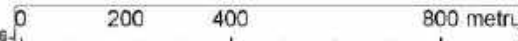
00	Adreso numeris		Savivaldybės riba		Geodeziškai matuoti sklypai		Planuojamos vėjo elektrinės		Gyvenamasis pastatas
000	Žemės sklypo numeris		Kadastrų vietovės riba		Preliminariai matuoti sklypai		Kitais projektais suplanuotos vėjo elektrinės		Negyvenamasis pastatas
00000000	Kadastrų bloko numeris		Kadastrų bloko riba		Koreguotini sklypai		Esamos vėjo elektrinės		Rekomenduojama sanitarinė apsaugos zona ~124,87 ha
			Inžineriniai statiniai						

KADASTRO ŽEMĖLAPIO IŠTRAUKA

Mastelis 1:10000



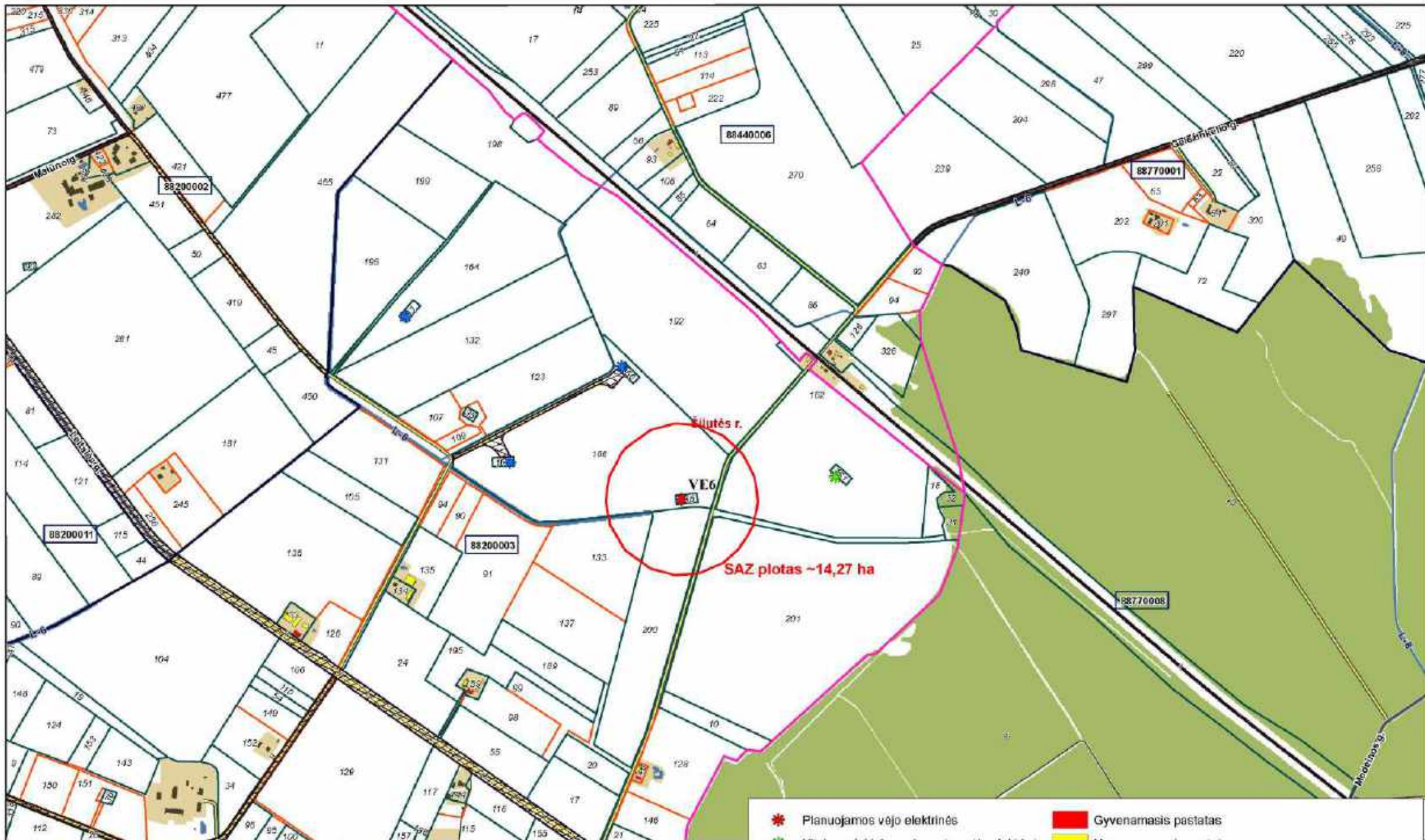
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00000000	Žemės sklypo numeris		Kadastrinio vištovės riba		Preliminariai matuoti sklypai
00000000	Kadastrinio bloko numeris		Kadastrinio bloko riba		Koreguojami sklypai
			Inžineriniai statiniai		



- Planuojamos vėjo elektrinės
- Viršnorminė triukšmo zona, Lnaktis 45 dBA

KADASTRO ŽEMĖLAPIO IŠTRAUKA

Mastelis 1:10000



00	Adreso numeris		Savivaldybės riba		Geodeziškai matuoti sklypai
000	Žemės atlyco numeris		Kadastro vietovės riba		Preliminariai matuoti sklypai
00000000	Kadastro bloko numeris		Kadastro bloko riba		Koregiciniai sklypai
			Inžineriniai stulpai		

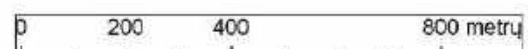
	Planuojamas vėjo elektrinės		Gyvenamasis pastatas
	Kitais projektais suplanuotos vėjo elektrinės		Negyvenamasis pastatas
	Esamos vėjo elektrinės		Rekomenduojama sanitarinė apsaugos zona ~124,87 ha

KADASTRO ŽEMĖLAPIO IŠTRAUKA

Mastelis 1:10000



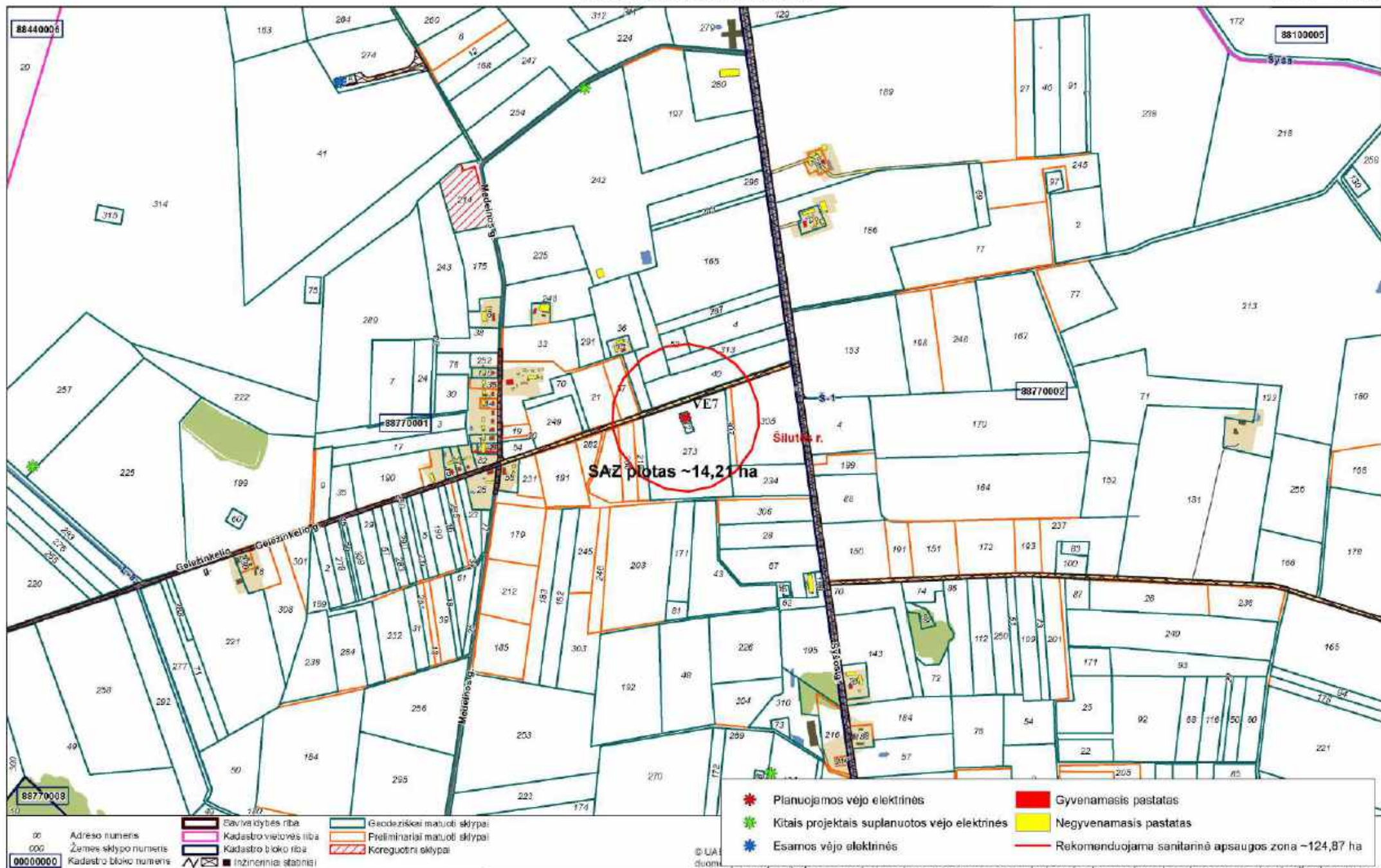
- | | | | | | |
|---------|------------------------|--|--------------------------|--|-------------------------------|
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| 000 | Zemės sklypo numeris | | Kadastro vietovės riba | | Preliminariai matuoti sklypai |
| 0000000 | Kadastro bloko numeris | | Kadastro bloko riba | | Koreguotini sklypai |
| | | | Industrijiniai statiniai | | |



- Planuojamos vėjo elektrinės
- Viršnorminė triukšmo zona, Lnaktis 45 dBA

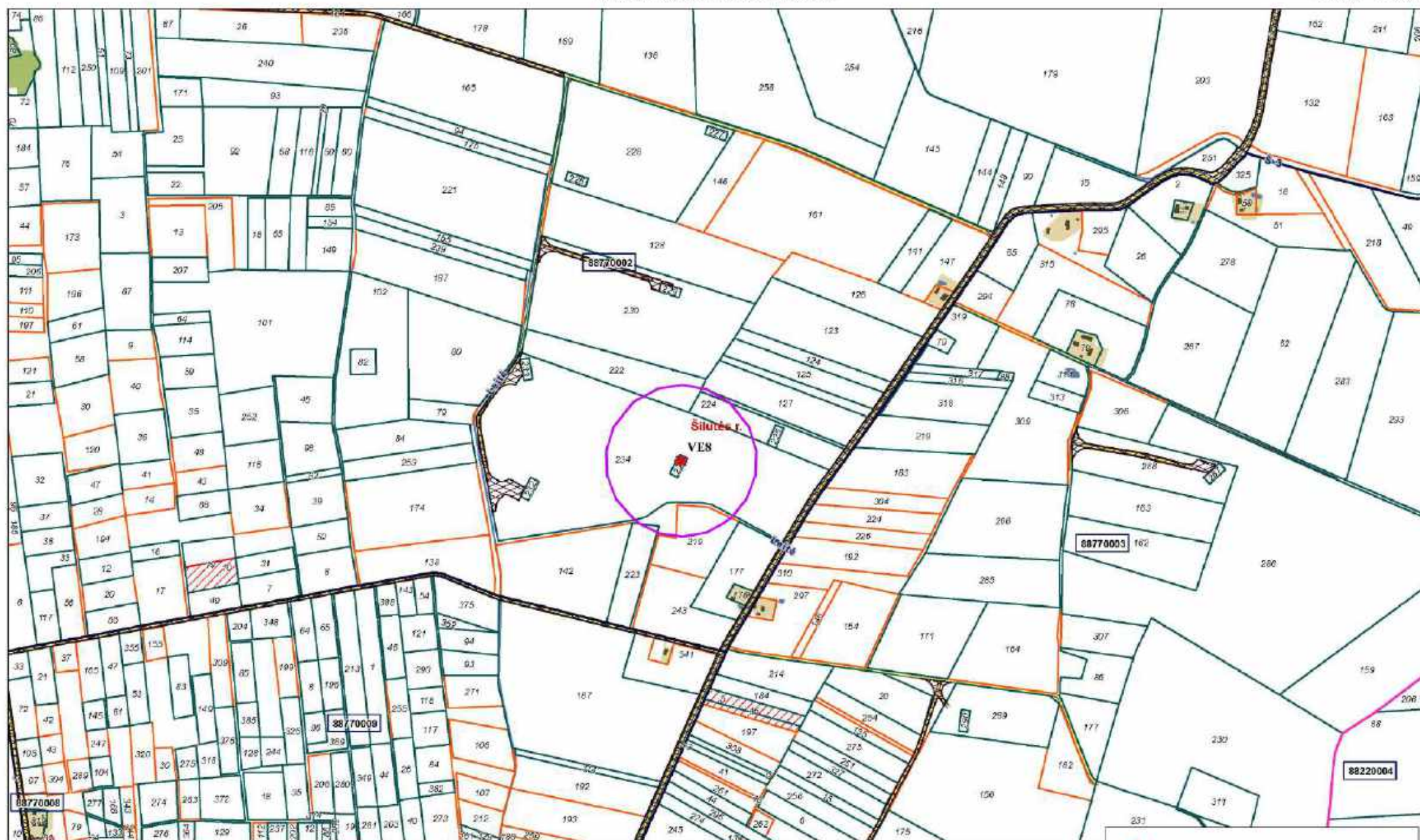
KADASTRO ŽEMĖLAPIO IŠTRAUKA

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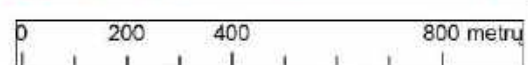


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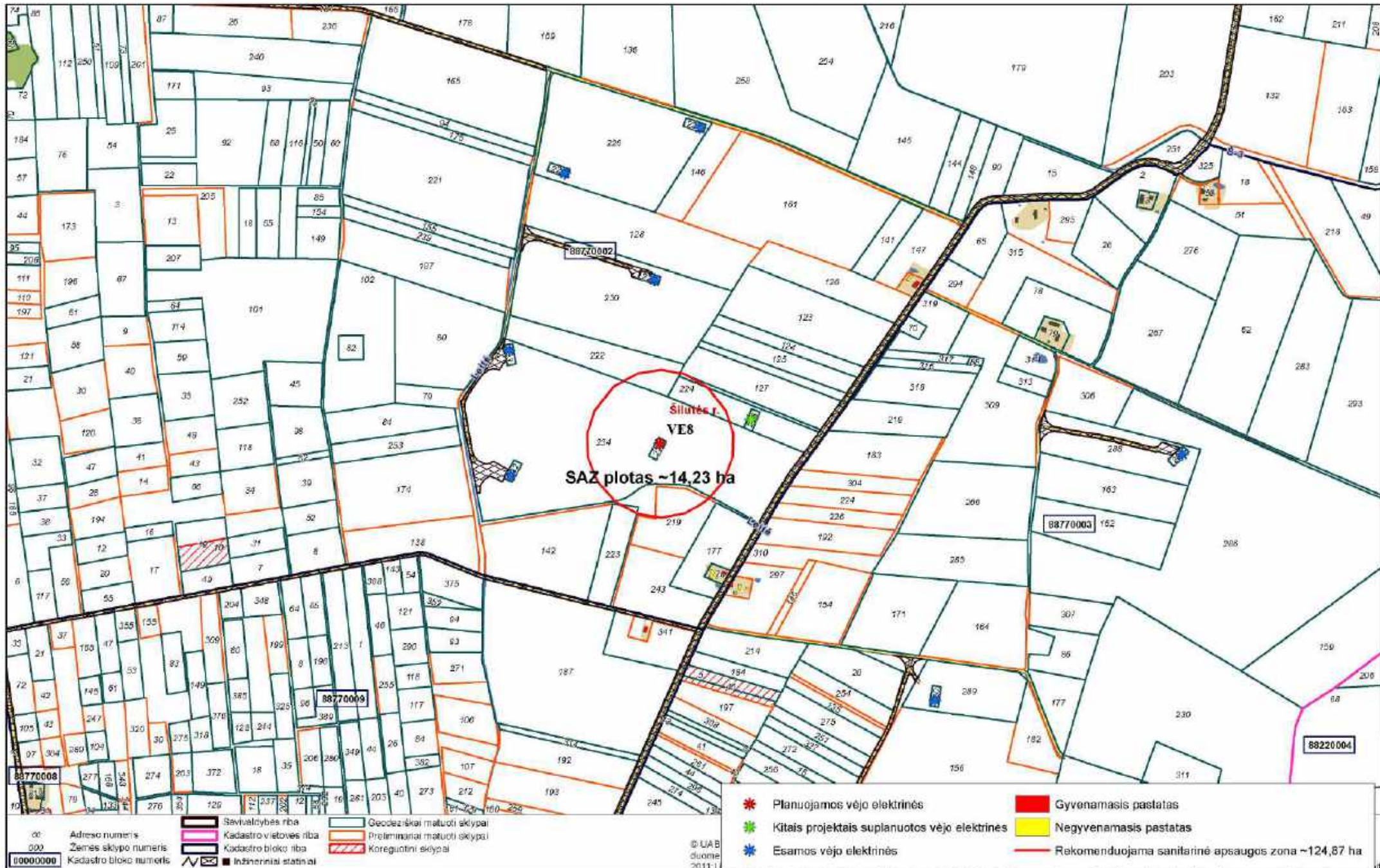
- | | | | | | |
|----------|------------------------|--|------------------------|--|------------------------------|
| 00 | Adresų numeris | | Savivaldybės riba | | Geodeziškai matuoti sklypai |
| 000 | Žemės sklypo numeris | | Kadastro vietovės riba | | Preliminarūs matuoti sklypai |
| 00000000 | Kadastro bloko numeris | | Kadastro bloko riba | | Koreguojami sklypai |
| | | | Įžeminiai statiniai | | |



- Planuojamos vėjo elektrinės
- Viršnorminė triukšmo zona, Lnaktis 45 dBA

KADASTRO ŽEMĖLAPIO IŠTRAUKA

Mastelis 1:10000



00	Adreso numeris		Šeivaltvybės riba		Geodeziškai matuoti sklypai
000	Žemės sklypo numeris		Kadastro vietovės riba		Preliminariai matuoti sklypai
00000000	Kadastro bloko numeris		Kadastro bloko riba		Koreguotini sklypai
			Inžineriniai statiniai		

	Planuojamos vėjo elektrinės		Gyvenamasis pastatas
	Kitaits projektai suplanuotos vėjo elektrines		Negyvenamasis pastatas
	Esamos vėjo elektrinės		Rekomenduojama sanitarinė apsaugos zona ~124,87 ha

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5 Priedas. Kiti svarbūs dokumentai

5.1 Priedēlis. PAV atrankos išvada



APLINKOS APSAUGOS AGENTŪRA

Biudžetinė įstaiga, A. Juozapavičiaus g. 9, LT-09311 Vilnius, tel.8 70662008, el. p. aaa@aaa.am.lt, http://gamta.lt.
Duomenys kaupiami ir saugomi Juridinių asmenų registre, kodas 188784898

UAB „SV projektai“
El. p. mantasj@hidroenergija.lt

Į 2021-06-18 Nr. S-2021-58

UAB „Infraplanas“
El. p. info@infraplanas.lt

Adresatams pagal sąrašą

ATRANKOS IŠVADA DĖL – AŠTUONIŲ VĖJO ELEKTRINIŲ (ŠILUTĖS R. SAV. USĖNŲ IR JUKNAIČIŲ SEN., KAVOLIŲ, STREMIŲ, KŪGELIŲ, OKSLINDŽIŲ, SKIERIŲ BEI MENKLAUKIŲ KAIMUOSE) STATYBOS IR EKSPLOATACIJOS POVEIKIO APLINKAI VERTINIMO

2021-07-

Nr. (30.2)-A4E-

1. Planuojamos ūkinės veiklos organizatorius (fizinio asmens vardas, pavardė; juridinio asmens pavadinimas, adresas, telefono numeris, el. pašto adresas).

UAB „SV projektai“, Darbo g. 9, Kaunas, tel. Nr. (8-662) 27 571, mantasj@hidroenergija.lt.

2. Poveikio aplinkai vertinimo dokumentų rengėjas (fizinio asmens vardas, pavardė; juridinio asmens pavadinimas, adresas, telefono numeris, el. pašto adresas).

UAB „Infraplanas“, K. Donelaičio g. 55–2, Kaunas LT–44245, tel. Nr. (8 37) 40 75 48, faks. (8 37) 40 75 49, el. p. info@infraplanas.lt.

3. Planuojamos ūkinės veiklos atrankos dėl poveikio aplinkai vertinimo atlikimo teisinis pagrindas pagal Lietuvos Respublikos planuojamos ūkinės veiklos poveikio aplinkai vertinimo įstatymo 7 straipsnio 2 dalį, nurodant šio įstatymo 2 priedo punktą (-us).

Atranka atliekama, vadovaujantis Lietuvos Respublikos planuojamos ūkinės veiklos poveikio aplinkai vertinimo įstatymo (toliau – PAV įstatymas) 2 priedo 3.8. punkto 3.8.1 papunkčiu – kai įrengiamos 3 vėjo elektrinės, kurių bent vienos aukštis 50 m (matuojant iki aukščiausio konstrukcijų taško) ar daugiau.

4. Planuojamos ūkinės veiklos vieta.

Planuojamos ūkinės veiklos (toliau – PŪV) vieta – Šilutės r. sav., Usėnų ir Juknaičių sen. Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose (sklypų kadastriniai 8844/0006:297, 8844/0006:304, 8844/0006:292, 8844/0006:307, 8844/0006:290, 8820/0003:165, 8877/0001:272, 8877/0002:231). Žemės sklypų naudojimo paskirtis – kita, žemės sklypų naudojimo būdas – susisiektimo ir inžinerinių komunikacijų aptarnavimo objektų teritorijos.

Pagal Šilutės rajono savivaldybės teritorijos bendrojo plano keitimo (toliau – Bendrasis planas), patvirtinto Šilutės rajono savivaldybės tarybos 2019-03-28 sprendimu Nr. T1-1331 „Dėl Šilutės rajono savivaldybės teritorijos bendrojo plano keitimo patvirtinimo“ pagrindinio brėžinio sprendinius, PŪV vieta patenka į žemės ūkio teritorijas. Vadovaujantis Bendrojo plano sprendiniais

PŪV patenka į teritoriją, kurioje rekomenduojama nagrinėti vėjo elektrinių statybos galimybę. Pagal Bendrojo plano sprendinius viena vėjo elektrinė – Nr. 2 patenka į gamtinio karkaso teritoriją.

PŪV nuo gyvenamųjų pastatų bei jų sklypų/40 m gyvenamųjų aplinkų nutolusi nuo 246-807 m atstumu.

Artimiausia apgyvendinta teritorija - Aužkykiai, nuo analizuojamos PŪV, nutolę ~0,9 km atstumu pietryčių kryptimi ir Vaitkaičiai, nuo analizuojamos PŪV, nutolę ~0,9 km atstumu šiaurės vakarų kryptimi. Artimiausia gydymo įstaiga UAB „Puriena“, Medicinos centras, Juknaičių filialas, analizuojamos PŪV nutolusi apie 1,8 km vakarų kryptimi. Artimiausia ugdymo įstaiga Šilutės r. Juknaičių pagrindinė mokykla, nuo analizuojamos PŪV nutolusi apie 1,6 km vakarų kryptimi.

PŪV sklypuose nei jų gretimybėse nėra eksploatuojamų žemės gelmių telkinių (naudingų iškasenų, gėlo ir mineralinio vandens vandenviečių), įskaitant dirvožemio, geologinius procesus ir reiškinius (pvz., eroziją, sufoziją, karstus, nuošliaužas) bei geotopus. Artimiausias PŪV gretimybėse esantis naudingųjų iškasenų telkinys yra Juknaičių II smėlio telkinys Nr. 4585 (Klaipėdos apskr., Šilutės r. sav., Juknaičių sen.) nutolęs apie 2,7-12,2 km šiaurės vakarų kryptimi.

Vadovaujantis Nacionalinio kraštovaizdžio tvarkymo plano, patvirtinto Lietuvos Respublikos aplinkos ministro 2015-10-02 įsakymu Nr. D1-703 „Dėl nacionalinio kraštovaizdžio tvarkymo plano“ kraštovaizdžio vizualinio estetinio potencialo brėžiniu, dalis PŪV vietos patenka į V0H3-c indeksais pažymėtą kraštovaizdžio vizualinės struktūros tipą. Šio vizualinio struktūros tipo kraštovaizdyje vyrauja neraiški vertikalioji sąskaida (V0) (lyguminis kraštovaizdis su vieno lygmens videotopais). Kraštovaizdžio horizontalioji vizualinė sąskaida su vyraujančių atvirų gerai apžvelgiamų erdvių kraštovaizdžiu (H3). Kraštovaizdžio erdvinėje struktūroje raiškios tik vertikalios dominatės (c). Kita dalis PŪV patenka į V0H2-c indeksais pažymėtą kraštovaizdžio vizualinės struktūros tipą. Šio vizualinio struktūros tipo kraštovaizdyje vyrauja neraiški vertikalioji sąskaida (V0) (lyguminis kraštovaizdis su vieno lygmens videotopais). Kraštovaizdžio horizontalioji vizualinė sąskaida su vyraujančių pusiau atvirų didžiąja dalimi apžvelgiamų erdvių kraštovaizdžiu (H2). Kraštovaizdžio erdvinėje struktūroje raiškios tik vertikalios dominatės (c).

PŪV teritorija nepatenka į draustinių, rezervatų, „Natura 2000“ ar kitas saugomas teritorijas. Artimiausia saugoma „Natura 2000“ paukščių apsaugai svarbi teritorija (PAST) teritorija – Nemuno delta – nuo analizuojamos teritorijos yra nutolusi apie 4 km atstumu. Nemuno deltos regioninis parkas, nuo PŪV nutolęs apie 3,98-9,946 km vakarų – pietvakarių kryptimis.

Remiantis Lietuvos Respublikos miškų valstybės kadastro duomenimis, PŪV nuo miško nutolusi 0,45-2,8 km atstumu visomis kryptimis. Europos Bendrijos svarbos natūralios buveinės nuo PŪV nutolusios 229 m atstumu.

Saugomų rūšių informacinės sistemos (toliau – SRIS) duomenimis analizuojamoje teritorijoje stebėta 10 paukščių rūšių – baltasis gandras (*Ciconia ciconia*) užfiksuotas 21 kartą, dirvinis sėjikas (*Pluvialis apricaria*) rudasis peslys (*Milvus milvus*) – po 9 kartus, dirvoninis kalviukas (*Anthus campestris*), pievinė lingė (*Circus pygargus*), pilkoji starta (*Miliaria calandra*) ir gulbė giesmininkė (*Cygnus cygnus*) – po 1 kartą, eurazinis sketsakalis (*Falco subbuteo*) – 2 kartus, javinė lingė (*Circus cyaneus*) – 6 kartus, sodinė starta (*Emberiza hortulana*) – 4 kartus, natuzijaus šikšniukas (*Pipistrellus nathusii*) – 8 kartus, šiaurinis šikšnys (*Eptesicus nilsoni*) – 10 kartų.

Vadovaujantis Lietuvos ornitologų draugijos su partneriais (Pajūrio tyrimų ir planavimo institutu ir Lietuvos energetikos institutu) nuo 2015 m. vasario iki 2017 kovo mėn. įgyvendinto projekto „Vėjo energetikos plėtra ir biologinei įvairovei svarbios teritorijos (VENBIS)“ duomenimis, PŪV teritorija perinčių, migruojančių ir žiemojančių paukščių ir šikšnosparnių atžvilgiu patenka į labai jautrias, vidutiniškai jautrias, mažai jautrias ar teritorijas, kuriose nepakanka duomenų jautrumui nustatyti.

Artimiausias vandens telkinys (up. Leitalė, Kad. Nr. 10012583) nuo PŪV yra nutolęs 0,04-4,9 km atstumu.

PŪV vieta į nekilnojamųjų kultūros vertybių teritorijas ir jų apsaugos zonas nepatenka. Artimiausios kultūros vertybės nuo vėjo elektrinių statybos vietų išsidėsčiusios 0,26 – 2,7 km atstumu.

5. Trumpas planuojamos ūkinės veiklos aprašymas.

Planuojama įrengti iki 8 vėjo elektrines (atsisakoma vienos vėjo elektrinės – Nr. 6, planuojama 7 vėjo elektrinių statyba), kurios kiekvienos galia numatoma iki 3,6 MW, sparnuotės diametras – iki 131 m, stiebo aukštis iki 134 m, aukštis matuojant iki aukščiausio konstrukcijų taško iki 199,5 m, maksimalus garso lygis 106,4 dBA.

Teritorijoje, kurioje UAB „SV projektai“ planuoja vėjo jėginių statybą, 2 km spinduliu yra apie 17 esamų vėjo elektrinių. UAB „Šilutės vėjo parkas 3“ planuojamą vėjo elektrinių 7 vėjo elektrinių parką, tačiau į 2 km vertinimo zoną patenka tik 6 vėjo elektrinės. Į 2 km vertinimo zoną patenka visos UAB „Šilutės vėjo parkas 2“ planuojamas 13 vėjo elektrinių parkas. UAB „Sunergo“ planuoja 11 vėjo elektrinių parką, tačiau į 2 km vertinimo zoną patenka 4 vėjo elektrinės.

Vėjo jėginių statyba apima gamyklose pagamintų konstrukcijų bei įrenginių parinktuose sklypuose sumontavimą, pamatų paruošimą ir visų reikalingų parengiamųjų darbų atlikimą. Vėjo jėginių sklandžiai veiklai vykdyti yra sumontuotos saugumo (stabdymo sistema ir apsaugos nuo žaibavimo sistema) ir valdymo sistemos. Vėjo jėginių statybai planuojama naudoti metalines konstrukcijas, surenkamus gelžbetoninius/polinius pamatus ir kt. įrangą, kurie bus tiekiami jau pagaminti ir statybos vietoje vyks jų montavimas. Projekto įgyvendinimo metu didelių kasybos darbų atlikti nenumatoma.

Vėjo jėginės statybos ir eksploatacijos metu cheminės medžiagos ir preparatai (mišiniai), įskaitant ir pavojingas chemines, radioaktyvias medžiagas, nenaudojamos.

Elektros kabelio tiesimo trasos bus suderintos su suinteresuotais juridiniais ir fizinkiniais asmenimis. Požeminė elektros kabelio linija bus tiesiama iškasant tranšėjas ir į jas paklojant kabelius. Po keliais, geležinkeliais, ir upeliais vykdant kabelio tiesimo darbus ir siekiant išvengti, bet kokio neigiamo poveikio aplinkai darbai bus vykdomi uždaru būdu (naudojant pastūmimo ar kryptinio gręžimo būdą), paviršiniai kasimo darbai nebus vykdomi.

Nedideli kiekiai metalo ir mišrių statybinių atliekų gali susidaryti numatomų vėjo elektrinių įrengimo – statybos metu, pamatų statybos darbų metu. Šios atliekos bus talpinamos į specialius kontenerius ir pagal sutartis su atliekų tvarkytojais išvežamos tolimesniam tvarkymui. Visos susidariusios atliekos tvarkomos vadovaujantis atliekų tvarkymą reglamentuojančių teisės aktų nuostatomis.

Vykdamas vėjo jėginių eksploatacijos metu vanduo nenaudojamas, gamybinių nuotekų nesusidarys.

Triukšmo sklaidos modeliavimas atliktas programa WindPRO (versija 3.4). Pagal atliktus triukšmo sklaidos skaičiavimus nustatyta, kad vėjo elektrinių sukeliamas triukšmo lygis gyvenamuose pastatuose bei jų sklypų/40 m gyvenamoje aplinkoje dienos, vakaro ir nakties metu gali siekti 32,7 – 44,2 dBA.

Atliktas suminis triukšmo sklaidos modeliavimas parodė, kad vėjo elektrinių sukeliamas triukšmo lygis gyvenamoje aplinkoje dienos, vakaro ir nakties metu gali siekti 37,3 – 45,4 dBA.

Šešėliavimo artimiausioje gyvenamojoje aplinkoje įvertinimui atliktas modeliavimas programa WindPRO programa. Atliktas planuojamų vėjo elektrinių šešėliavimo sklaidos modeliavimas parodė, kad artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 02:37 val./m iki 49:17 val./m, viršys 8 val. /m šešėliavimo normą. Pritaikius šešėliavimo mažinimo priemonę artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 00:00 val./m iki 07:07 val./m.

Atliktas suminis šešėliavimo sklaidos modeliavimas parodė, kad artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 08:59 val./m iki 84:49 val./m, viršys 8 val. /m šešėliavimo normą. Pritaikius šešėliavimo mažinimo priemonę artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 04:51 val./m iki 70:24 val./m, viršys 8 val. /m šešėliavimo normą.

EML elektrinio lauko stipris, kuris kinta pagal kubinę atstumo priklausomybę, neviršys leistinos normos – 1 kV/m ir nesieks gyvenamosios ir visuomeninės paskirties pastatų patalpose reglamentuojamų verčių – 0,5 kV/m.

Analizuojamo objekto statybos ir eksploatacijos metu biologinės taršos susidarymas nenumatomas.

6. Priemonės numatomam reikšmingam neigiamam poveikiui aplinkai išvengti arba užkirsti jam kelią ir jų įgyvendinimo grafikas.

6.1. Statybos darbai turi būti vykdomi tik šviesiuoju paros metu.

6.2. Nukastas derlingas dirvožemio sluoksnis turi būti panaudojamas statybos darbų metu pažeistų teritorijų rekultivacijai.

6.3. Biologinės įvairovės apsaugai numatoma didinti vėjo elektrinių matomumą, pvz.: vieną vėjo turbinos mentę nudažyti juodai. Taip pat galima naudoti reflektorius, veidrodžius ar kitas šviesą atspindinčias priemones. Paukščių pavojaus garsų įrašų leidimas šalia vėjo elektrinių.

6.4. Bus parengta paukščių ir šikšnosparnių monitoringo programa, kuri bus derinama su Aplinkos apsaugos agentūra.

6.5. Vėjo elektrinė Nr. 6 galimai turėtų reikšmingą neigiamą poveikį Kavolių miške perintiems ir greta jo besimaitinantiems saugomiems paukščiams, todėl planuojamos veiklos organizatorius atsisako vėjo elektrinės Nr. 6 statybos ir toliau planuos septynių 7 vėjo elektrinių statybą.

6.6. Šešėlių mirgėjimo poveikio mažinimui artimiausioms gyvenamosioms sodyboms, numatomas šešėliavimo stabdymo mechanizmas (shadow shut-down) ir šešėliavimo mažinimo kompiuterinė programa, kuri bus integruota į vėjo jėgainės kontrolės sistemą.

6.7. Saugiam vėjo elektrinių darbui yra numatyti vibracijos jutikliai, sraigto menčių patikra, apsauga nuo didelių sūkių, aerodinaminių stabdžių sistema, mechaninė antiblokavimo sistema, sistema, sauganti nuo apledėjimo.

6.8. Po keliais, geležinkeliais, ir upeliais vykdant kabelio tiesimo darbus ir siekiant išvengti, bet kokio neigiamo poveikio aplinkai darbai bus vykdomi uždaruoju būdu (naudojant pastūmimo ar kryptinio gręžimo būdą), paviršiniai kasimo darbai nebus vykdomi.

6.9. Vykdomos veiklos metu paaiškėjus, kad daromas didesnis poveikis aplinkai už atrankos informacijoje pateiktus arba teisės aktuose nustatytus rodiklius, veiklos vykdytojas privalės nedelsiant taikyti papildomas poveikį aplinkai mažinančias priemones arba mažinti veiklos apimtį/nutraukti veiklą.

6.10. Veiklos vykdytojas visais atvejais privalės laikytis visų aktualių veiklą reglamentuojančių teisės aktų reikalavimų, keičiantis teisiniam reglamentavimui atitinkamai keisti veiklos rodiklius.

7. Motyvai, kuriais remtasi priimant atrankos išvadą.

7.1. Vadovaujantis PAV įstatymo 2 priedo 3.8.1 papunkčio nuostatomis, PŪV atranka dėl poveikio aplinkai vertinimo atliekama, kai įrengiamos 3 vėjo elektrinės, kurių bent vienos aukštis 50 m (matuojant iki aukščiausio konstrukcijų taško) ar daugiau. Šiuo atveju, planuojama statyti iki 7 vėjo elektrinės, kurių kiekvienos aukštis bus iki 199,5 m (matuojant iki aukščiausio konstrukcijų taško). Atsižvelgiant į gretimybėje esamas ir planuojamas vėjo elektrines, didelį PŪV mastą, lyginant su PAV įstatyme nustatytais ribiniais dydžiais, PŪV vietą galimas reikšmingas poveikis aplinkai, todėl atliekant poveikio aplinkai vertinimą būtų detalai įvertintas PŪV galimas poveikis (taip pat ir suminis) aplinkos elementams ir visuomenės sveikatai, parinktos poveikį mažinančios priemonės.

7.2. Agentūra kreipėsi tarnybinės pagalbos į Valstybinę saugomų teritorijų tarnybą prie Aplinkos ministerijos (toliau – VSTT) dėl PŪV poveikio greta esančioms saugomoms teritorijoms. VSTT 2021-05-07 raštu Nr. (4)-V3-730 pateikė rašytinę nuomonę, kad PŪV reikia atlikti poveikio aplinkai vertinimą. Agentūra, įvertinusi VSTT pateiktą rašytinę nuomonę ir informaciją, nustatė, kad:

- informacijoje atrankai pateikti duomenys nepagrindė, kad planuojamos vėjo elektrinės nedarys neigiamo poveikio paukščiams ir šikšnosparniams. Dalis vėjo elektrinių planuojama greta UAB „Enefit wind“ (ankščiau „Šilutės vėjo projektai“) vėjo elektrinių parko. Pagal nuo 2016 metų vykdomos ūkio subjekto stebėsenos rezultatus UAB „Enefit wind“ vėjo elektrinių parkas daro reikšmingą poveikį plėšriesiems paukščiams ir šikšnosparniams. Artimiausia saugoma „Natura 2000“ paukščių apsaugai svarbi teritorija (PAST) teritorija – Nemuno delta – nuo analizuojamos teritorijos yra nutolusi apie 4 km atstumu. SRIS duomenimis analizuojamoje teritorijoje stebėta 10 paukščių rūšių – baltasis gandras (*Ciconia ciconia*) užfiksuotas 21 kartą, dirvinis sėjikas (*Pluvialis apricaria*) rudasis peslys (*Milvus milvus*) – po 9 kartus, dirvoninis kalviukas (*Anthus campestris*), pievinė lingė (*Circus pygargus*), pilkoji starta (*Miliaria calandra*) ir gulbė giesmininkė (*Cygnus cygnus*) – po 1 kartą, eurazinis sketsakalis (*Falco subbuteo*) – 2 kartus, javinė lingė (*Circus cyaneus*) – 6 kartus, sodinė starta (*Emberiza hortulana*) – 4 kartus, natuzijaus šikšniukas (*Pipistrellus nathusii*) – 8 kartus, šiaurinis šikšnys (*Eptesicus nilsoni*) – 10 kartų. Atliekant poveikio aplinkai vertinimą būtų įvertintas galimas reikšmingas PŪV poveikis (taip pat ir suminis) gyvenančioms, perinčioms ir besimaitinančioms paukščių, šikšnosparnių rūšims bei būtų nustatytas paukščių ir šikšnosparnių migracijos kelių ir sancaupų vietų, buveinių ir mitybinės bazės pokytis bei numatytos tinkamos prevencinės, poveikio mažinimo ar kompensacinės priemonės.

- informacijoje atrankai pateikti duomenys nepagrindė, kad planuojamos vėjo elektrinės nedarys neigiamo poveikio saugomų teritorijų kraštovaizdžiui. PŪV nuo Nemuno deltos regioninio parko nutolusi apie 3,98-9,946 km atstumu, kurių kiekvienos aukštis 199,5 m, todėl PŪV gali sukelti reikšmingą vizualinį poveikį apžvelgiant iš svarbių Nemuno deltos regioninio parko taškų ir (ar) maršrutų. Dėl PŪV galimas reikšmingas vizualinis poveikis kraštovaizdžiui, atliekant poveikio aplinkai vertinimą bus išsamiai įvertintas PŪV (taip pat ir suminis) poveikis kraštovaizdžiui, atliktos vizualizacijos, įvertintos alternatyvos (vietos, technologinės ir kt.) ir bus atliktas vizualinės taršos gamtiniams kraštovaizdžio kompleksams ir objektams vertinimas.

7.3. Triukšmo sklaidos modeliavimas atliktas programa WindPRO (versija 3.4). Pagal atliktus triukšmo sklaidos skaičiavimus nustatyta, kad vėjo elektrinių sukeliamas triukšmo lygis gyvenamuose pastatuose bei jų sklypų/40 m gyvenamoje aplinkoje dienos, vakaro ir nakties metu gali siekti 32,7 – 44,2 dBA. Atliktas suminis triukšmo sklaidos modeliavimas parodė, kad vėjo elektrinių sukeliamas triukšmo lygis gyvenamoje aplinkoje dienos, vakaro ir nakties metu gali siekti 37,3 – 45,4 dBA ir viršys Lietuvos higienos normoje HN 33:2011 „Triukšmo ribiniai dydžiai gyvenamuosiuose ir visuomeninės paskirties pastatuose bei jų aplinkoje“, patvirtintoje Lietuvos Respublikos sveikatos apsaugos ministro 2011 m. birželio 13 d. įsakymu Nr. V-604 „Dėl Lietuvos higienos normos HN 33:2011 „Triukšmo ribiniai dydžiai gyvenamuosiuose ir visuomeninės paskirties pastatuose bei jų aplinkoje“ patvirtinimo“, reglamentuojamą/nustatytą nakties triukšmo ribinį dydį 45 dBA.

Šešėliavimo artimiausioje gyvenamojoje aplinkoje įvertinimui atliktas modeliavimas programa WindPRO programa. Atliktas planuojamų vėjo elektrinių šešėliavimo sklaidos modeliavimas parodė, kad artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 02:37 val./m iki 49:17 val./m, viršys 8 val. /m šešėliavimo normą. Pritaikius šešėliavimo mažinimo priemonę artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 00:00 val./m iki 07:07 val./m. Atliktas suminis šešėliavimo sklaidos modeliavimas parodė, kad artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 08:59 val./m iki 84:49 val./m, viršys 8 val. /m šešėliavimo normą. Pritaikius šešėliavimo mažinimo priemonę artimiausioje gyvenamojoje aplinkoje šešėliavimas gali siekti nuo 04:51 val./m iki 70:24 val./m, viršys 8 val. /m šešėliavimo normą. Atliekant poveikio aplinkai vertinimą būtų detalai įvertintas PŪV galimas poveikis visuomenės sveikatai, išnagrinėtas ir įvertintas galimas PŪV sanitarinės apsaugos zonos dydis, įvertintos galimos vėjo elektrinių įrengimo vietos alternatyvos, parinktos poveikį mažinančios priemonės.

7.4. Agentūra, pasibaigus pasiūlymų teikimo terminui dėl PŪV poveikio aplinkai vertinimo, pastabų ir pasiūlymų iš suinteresuotos visuomenės negavo. Poveikio aplinkai vertinimo metu visuomenė būtų visapusiškai supažindinta su PŪV, būtų suteikta galimybė suinteresuotai visuomenei dalyvauti poveikio aplinkai vertinimo procese, teikti pasiūlymus dėl PŪV, kuriuos PŪV užsakovas privalėtų argumentuotai įvertinti.

7.5. Poveikio aplinkai vertinimo metu būtų išanalizuotos alternatyvos (vietos, technologijos, techninės įrangos ir pan.), ko pasėkoje būtų galima parinkti geriausią sprendimą PŪV.

Poveikio aplinkai vertinimo subjektai: Šilutės rajono savivaldybės administracija pagal PAV įstatymo 6 straipsnio 5 dalies 5 punktą, atsakinga už PŪV poveikio aplinkai vertinimo ir šios veiklos galimo poveikio aplinkai, atsižvelgiant į patvirtintų ir galiojančių teritorijų planavimo dokumentų sprendinius bei galimybes pagal teisės aktų reikalavimus juos keisti ir į pagal įstatymus vykdomo savivaldybės aplinkos stebėsenos (monitoringo) duomenis, išvados, kad PŪV reikalinga atlikti poveikio aplinkai vertinimą nepateikė. Nacionalinio visuomenės sveikatos centro prie Sveikatos apsaugos ministerijos Klaipėdos departamentas pagal PAV įstatymo 6 straipsnio 5 dalies 1 punktą, atsakingas už PŪV veiksmų, darančių įtaką visuomenės sveikatai, galimo poveikio visuomenės sveikatai vertinimą, 2021-07-02 raštu Nr. (3-24 14.3.5 Mr)2-96369 pateikė išvadą, kad PŪV poveikio aplinkai vertinimo neatlikti. Priešgaisrinės apsaugos ir gelbėjimo departamento prie Vidaus reikalų ministerijos Klaipėdos priešgaisrinė gelbėjimo valdyba pagal PAV įstatymo 6 straipsnio 5 dalies 3 punktą, atsakinga už PŪV vykdymo metu galimų įvykių, ekstremaliųjų įvykių, ekstremaliųjų situacijų, numatomų priemonių joms išvengti ar sušvelninti ir padariniams likviduoti, išvados, kad PŪV reikalinga atlikti poveikio aplinkai vertinimą nepateikė. Kultūros paveldo departamento prie Kultūros ministerijos Klaipėdos teritorinis skyrius pagal PAV įstatymo 6 straipsnio 5 dalies 2 punktą, atsakingas už galimą PŪV poveikį nekilnojamajam kultūros paveldui, 2021-06-23 raštu Nr. (9.38-KI)2KI-672 pateikė išvadą, kad pastabų ir pasiūlymų dėl PŪV poveikio aplinkai neturi.

8. Priimta atrankos išvada.

Vadovaujantis PAV įstatymo 7 straipsnio 7 dalimi ir atsižvelgus į išdėstytus motyvus priimama atrankos išvada: UAB „SV projektai“ PŪV – aštuonių vėjo elektrinių (Šilutės r. sav. Usėnų ir Juknaičių sen., Kavolių, Stremenių, Kūgelių, Okslindžių, Skierių bei Menklaukių kaimuose) statybai ir eksploatacijai poveikio aplinkai vertinimas privalomas.

Atrankos išvada yra priimta pagal pateiktą atrankos informaciją, kuri yra patalpinta Agentūros tinklalapyje www.gamta.lt nuorodoje *Poveikio aplinkai vertinimas (PAV) > 2021 metai > 3. Atrankos dėl poveikio aplinkai vertinimo informacija 2021 m. > Klaipėdos regionas* ir yra atrankos išvados sudedamoji dalis.

9. Nurodoma atrankos išvados apskundimo tvarka.

Šį sprendimą Jūs turite teisę apskusti Lietuvos administracinių ginčų komisijai (Vilniaus g. 27, 01402 Vilnius) Lietuvos Respublikos ikiteisminio administracinių ginčų nagrinėjimo tvarkos įstatymo nustatyta tvarka arba Vilniaus apygardos administraciniam teismui (Žygimantų g. 2, 01102 Vilnius) Lietuvos Respublikos administracinių bylų teisenos įstatymo nustatyta tvarka per vieną mėnesį nuo jo paskelbimo arba įteikimo dienos.

Direktoriaus pavaduotojas

Rikantas Aukškálnis

**APLINKOS APSAUGOS AGENTŪROS 2021-07- RAŠTO NR. (30.2)-A4E-
ADRESATŲ SĄRAŠAS**

Šilutės rajono savivaldybės administracijai
Siunčiama per e. pristatymas sistemą

Nacionaliniam visuomenės sveikatos centrai prie Sveikatos apsaugos ministerijos
Siunčiama per e. pristatymas sistemą

Priešgaisrinės apsaugos ir gelbėjimo departamento prie Vidaus reikalų ministerijos Klaipėdos
priešgaisrinei gelbėjimo valdybai
El. p. klaipeda.pgv@vpgt.lt

Kultūros paveldo departamento prie Kultūros ministerijos Klaipėdos skyriui
El. p. klaipeda@kpd.lt

Valstybinei saugomų teritorijų tarnybai prie Aplinkos ministerijos
Siunčiama per e. pristatymas sistemą

Kopija
Aplinkos apsaugos departamentui prie Aplinkos ministerijos
Siunčiama per e. pristatymas sistemą

DETALŪS METADUOMENYS

Dokumento sudarytojas (-ai)	Aplinkos apsaugos agentūra, A. Juozapavičiaus g. 9, LT-09311 Vilnius
Dokumento pavadinimas (antraštė)	(Skubu) ATRANKOS IŠVADA DĖL – AŠTUONIŲ VĖJO ELEKTRINIŲ (ŠILUTĖS R. SAV. USĖNŲ IR JUKNAIČIŲ SEN., KAVOLIŲ, STREMENIŲ, KŪGELIŲ, OKSLINDŽIŲ, SKIERIŲ BEI MENKLAUKIŲ KAIMUOSE) STATYBOS IR EKSPLOATACIJOSPOVEIKIO APLINKAI VERTINIMO
Dokumento registracijos data ir numeris	2021-07-05 Nr. (30.2)-A4E-8042
Dokumento specifikacijos identifikavimo žymuo	ADOC-V1.0, GEDOC
Parašo paskirtis	Pasirašymas
Parašą sukūrusio asmens vardas, pavardė ir pareigos	RIKANTAS AUKŠKALNIS, Direktorius pavaduotojas
Parašo sukūrimo data ir laikas	2021-07-05 14:40:48
Parašo formatas	Parašas, pažymėtas laiko žyma
Laiko žymoje nurodytas laikas	2021-07-05 14:41:00
Informacija apie sertifikavimo paslaugų teikėją	ADIC CA-B
Sertifikato galiojimo laikas	2020-12-16 - 2023-12-16
Parašo paskirtis	Registravimas
Parašą sukūrusio asmens vardas, pavardė ir pareigos	Danguolė Petravičienė, Vyriausioji specialistė
Parašo sukūrimo data ir laikas	2021-07-05 14:47:51
Parašo formatas	Trumpalaikis skaitmeninis parašas, kuriame taip pat saugoma sertifikato informacija
Laiko žymoje nurodytas laikas	
Informacija apie sertifikavimo paslaugų teikėją	RCSC IssuingCA
Sertifikato galiojimo laikas	2021-01-07 - 2023-01-07
Pagrindinio dokumento priedų skaičius	0
Pagrindinio dokumento pridedamų dokumentų skaičius	0
Programinės įrangos, kuria naudojantis sudarytas elektroninis dokumentas, pavadinimas	Elektroninė dokumentų valdymo sistema VDVIS, versija v. 3.04.02
El. dokumento įvykius aprašantys metaduomenys	
Informacija apie elektroninio dokumento ir elektroninio (-ių) parašo (-ų) tikrinimą (tikrinimo data)	El. dokumentas atitinka specifikacijos keliamus reikalavimus. Visi dokumente esantys elektroniniai parašai galioja. Tikrinimo data: 2021-07-05 14:49:56
Elektroninio dokumento nuorašo atspausdinimo data ir ją atspausdinęs darbuotojas	2021-07-05 atspausdino Danguolė Petravičienė
Paieškos nuoroda	

5.3 Priedēlis. SRIS išrašas



IŠRAŠAS

IŠ SAUGOMŲ TERITORIJŲ RŪŠIŲ INFORMACINĖS SISTEMOS

Nr. SRIS-2021-14867198

Išrašo suformavimo data: 2021-03-02 15:49:20

Prašymo numeris	SRIS-2021-14867198
Prašymo data	2021-03-01
Išrašo gavimo tikslas	Aštuoni vėjo elektrinių (Šilutės raj. sav. Ušėnų ir Juknaičių sen.: Kavolių, Stremenių, Kėgelė, Okslindžių, Skierių bei Menklaukių kaimuose) statybos ir eksploatacijos atrankos dalykų PAV rengimas

Prašyta teritorija: Laisvai pažymėta teritorija

Prašytos rūšys: Visos rūšys

Išraš suformavo: *Saugomų rūšių informacinė sistema*

Išraš pateikiama situacija iki: 2021-03-01

DĖMESIO! Išrašė esančius duomenis, kuriuose yra tikslūs saugomų gyvūnų, augalų ir gyvūnų rūšių radaviečių ar augaviečių koordinatės, galima naudoti tik nurodytais tikslais, neatskleisti jokiems asmenims, jei tai galėtų sukelti grėsmę saugomų rūšių išlikimui.

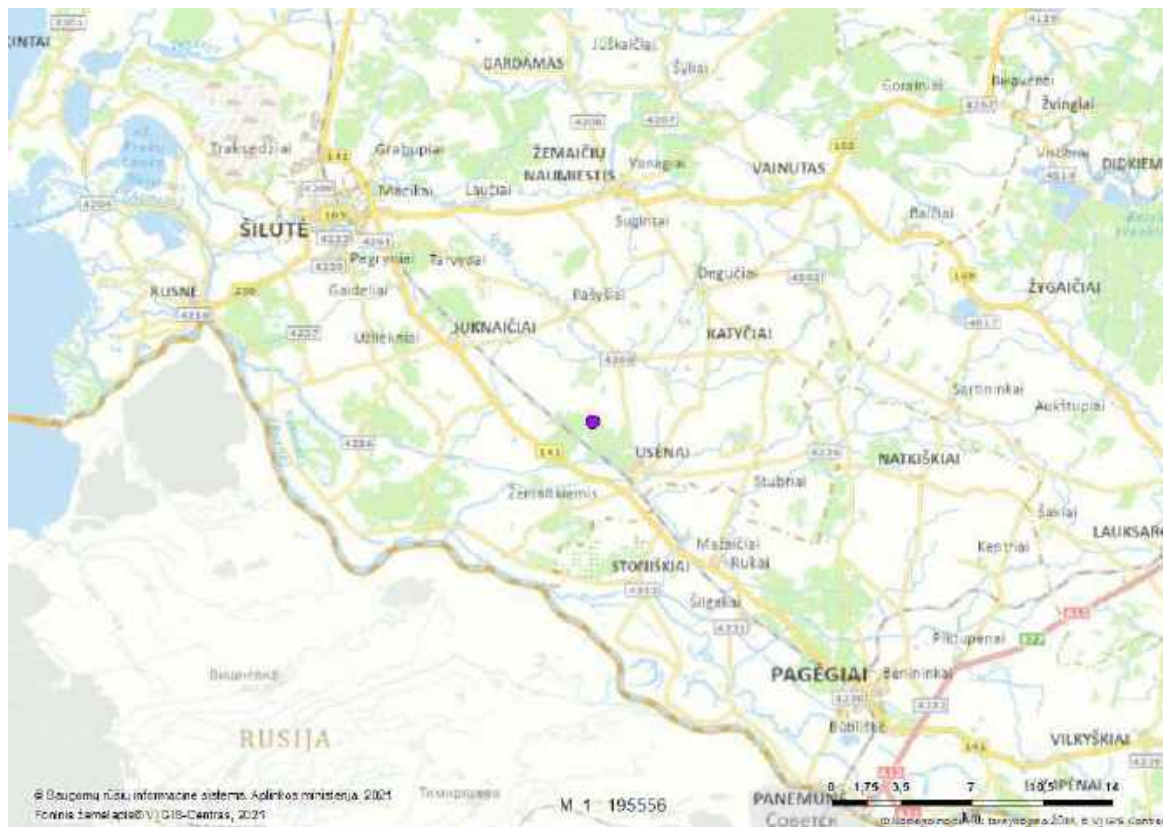
Kituose puslapiuose pateikiami detalūs prašytoje teritorijoje aptinkamų saugomų rūšių radaviečių ar augaviečių bei jų stebėjimo duomenys:

1. AUG-DACFUC028556 (Aukštoji gegūnė)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	AUG-DACFUC028556
Rūšis (lietuviškas pavadinimas)	Aukštoji gegūnė
Rūšis (lotyniškas pavadinimas)	Dactylorhiza fuchsii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsenos	Vystymosi stadija	Veiklos požymiai
2010-08-22	Pirmas stebėjimas	vaisius duodantis augalas	[nėra duomenų]

Radavietės/augavietės koordinatės:

Taškas [352975,00 6126879,00]

2. AUG-DACFUC014202 (Aukštoji gegūnė)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	AUG-DACFUC014202
Rūšis (lietuviškas pavadinimas)	Aukštoji gegūnė
Rūšis (lotyniškas pavadinimas)	Dactylorhiza fuchsii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2010-08-23	Pirmas stebėjimas	daigas/vegetuojantis augalas	[nėra duomenų]

Radavietės/augavietės koordinatės:

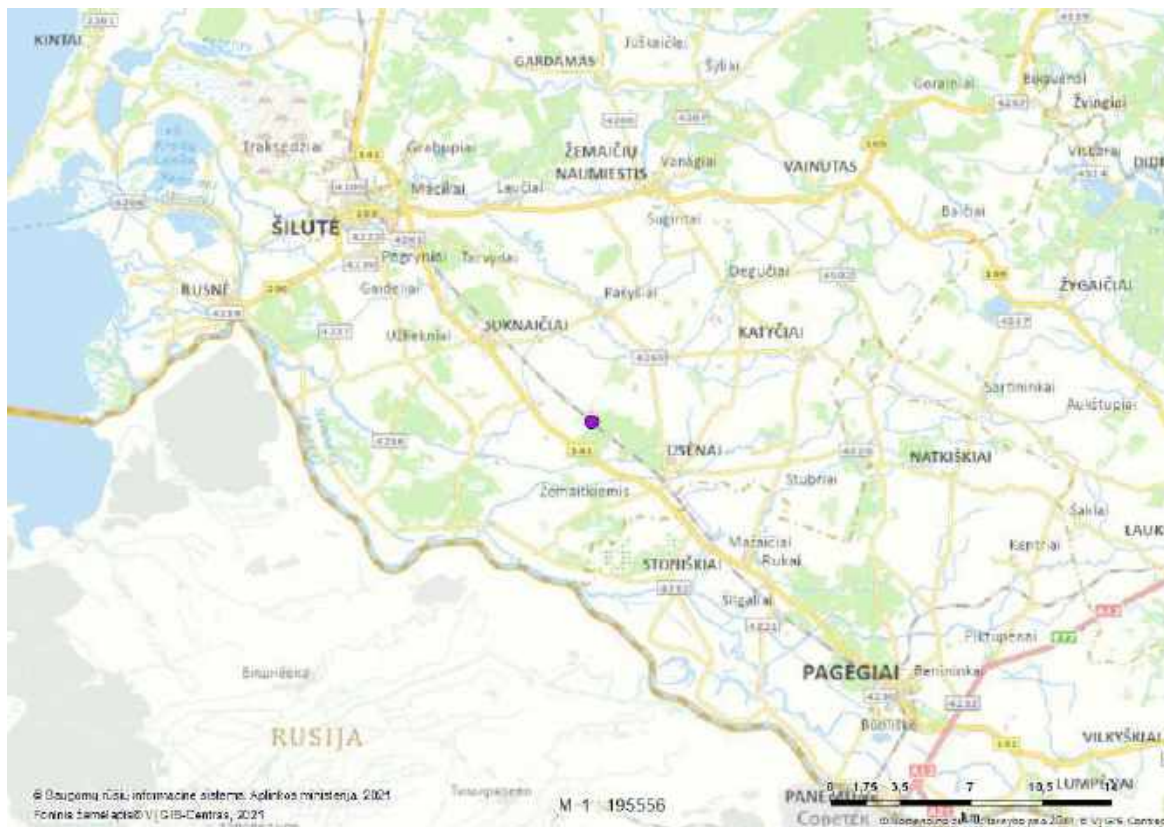
Poligonas [353042,06 6126850,00, 353035,75 6126866,24, 353027,29 6126882,64, 353014,59 6126900,10, 353001,06 6126912,00, 352930,06 6126871,01, 352967,06 6126816,00, 352984,43 6126827,61, 352989,19 6126836,60, 352998,18 6126841,89, 353007,71 6126844,01, 353018,82 6126843,48, 353042,06 6126850,00]

3. AUG-DACFUC011839 (Aukštoji gegėnė)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	AUG-DACFUC011839
Rūšis (lietuviškas pavadinimas)	Aukštoji gegėnė
Rūšis (lotyniškas pavadinimas)	Dactylorhiza fuchsii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsenos sena	Vystymosi stadija	Veiklos požymiai
2014-06-02	Pirmas stebėjimas	daigas/vegetuojantis augalas	[nėra duomenų]

Radavietės/augavietės koordinatės:

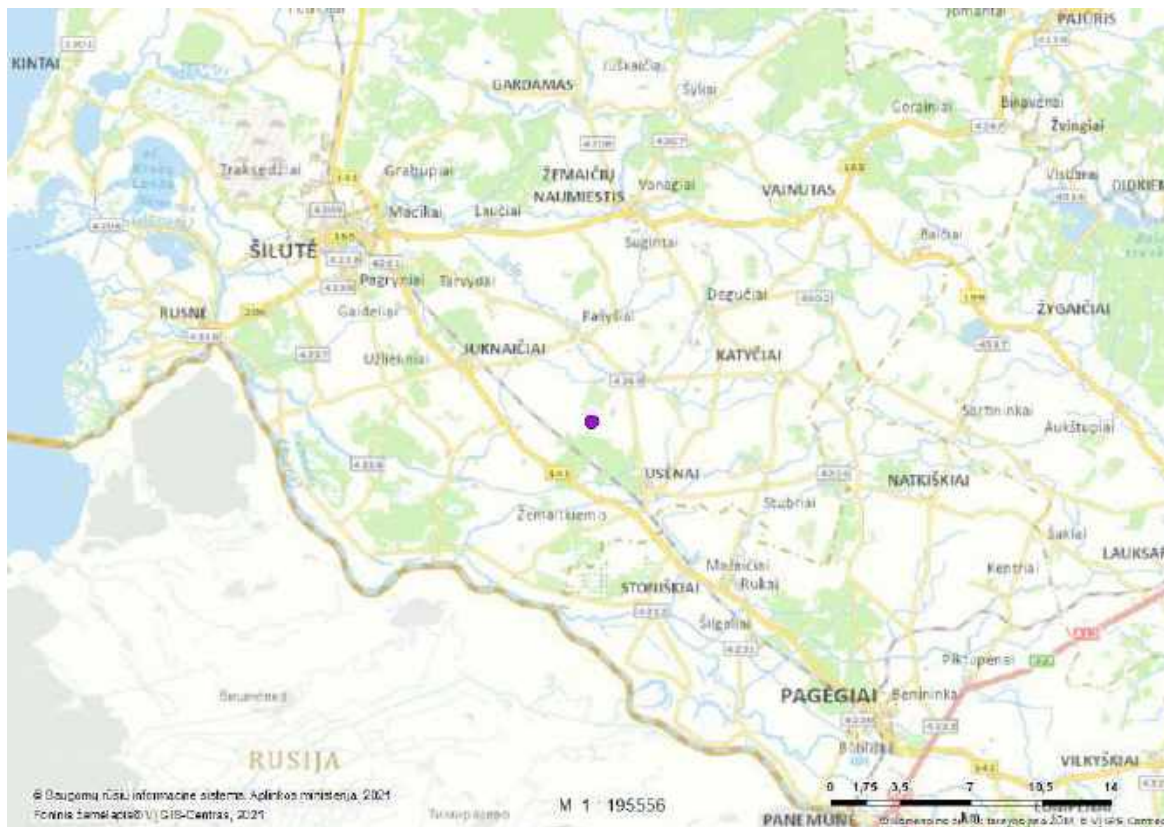
Taškas [351346,00 6126783,00]

4. RAD-CICCIC050903 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC050903
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

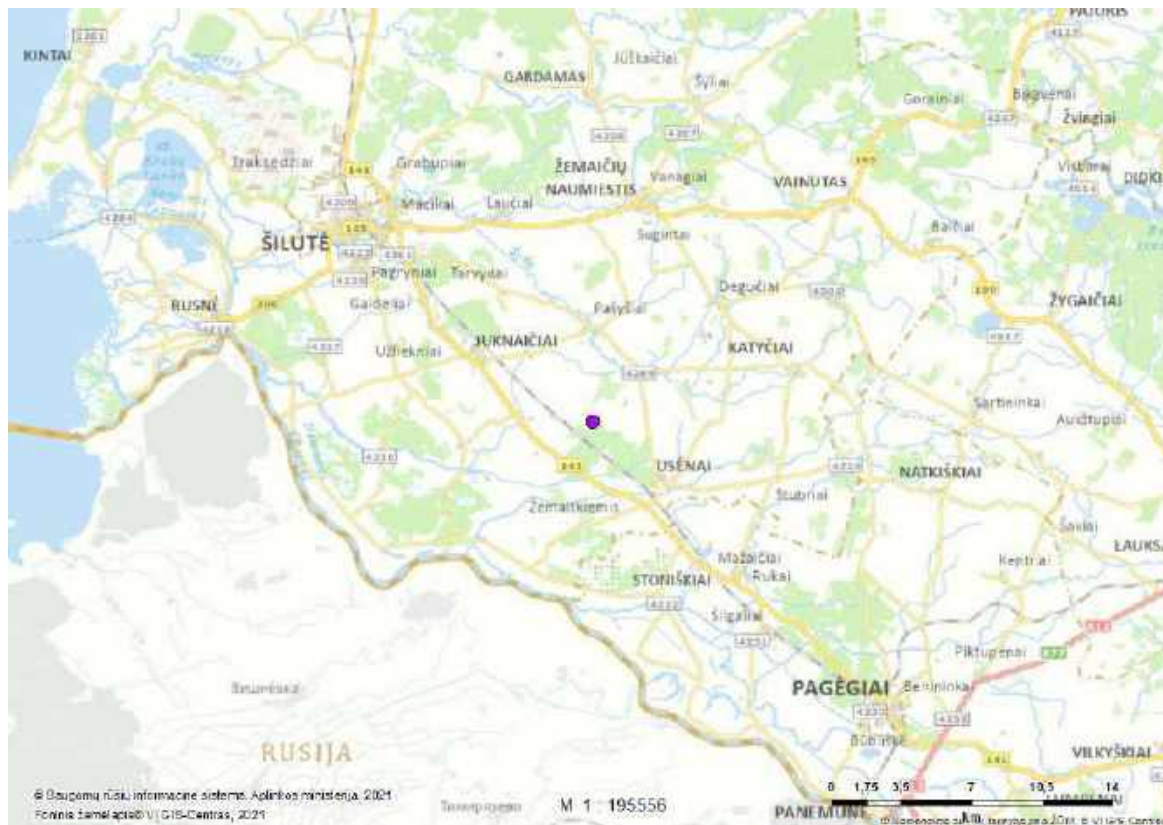
Taškas [352449,00 6127943,00]

5. RAD-CICCIC063864 (Baltasis gandrai)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-CICCIC063864
Rūšis (lietuviškas pavadinimas)	Baltasis gandrai
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietės/aušavietės koordinatės:

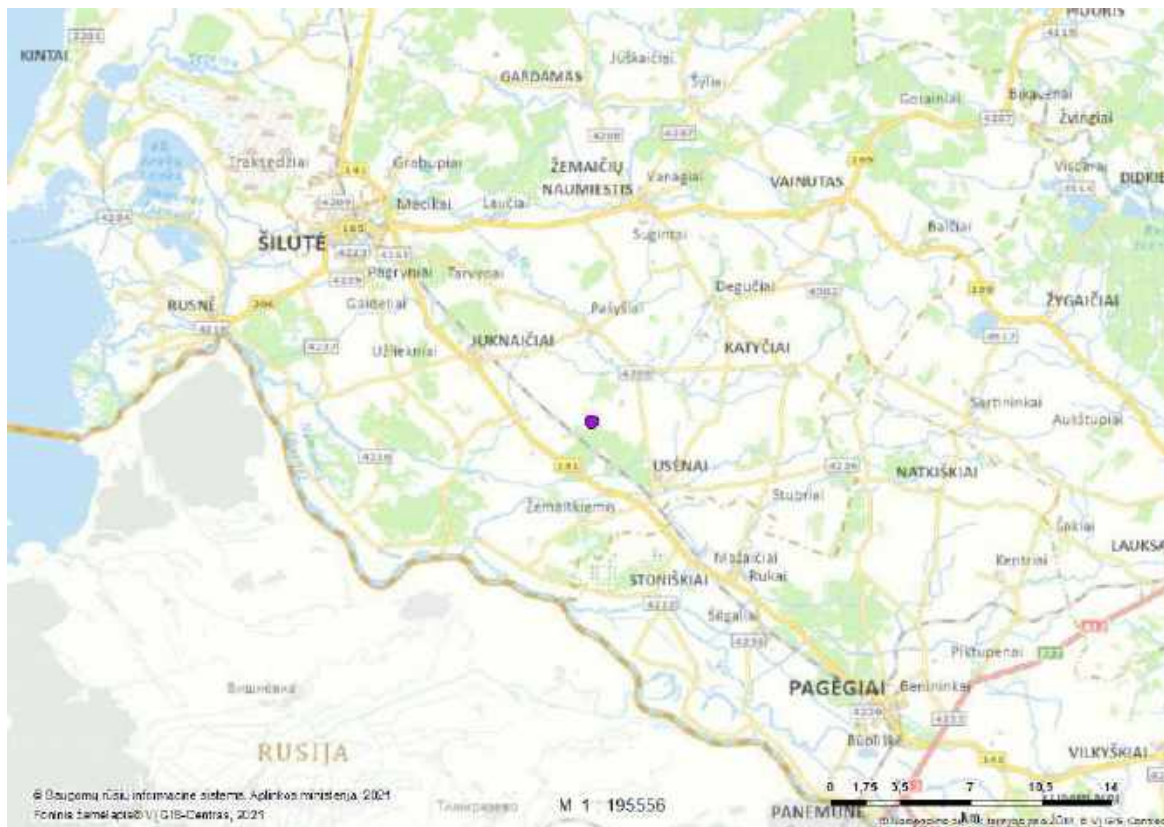
Taškas [351910,00 6127556,00]

6. RAD-CICCIC050904 (Baltasis gandrai)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC050904
R ūis (lietuviškas pavadinimas)	Baltasis gandrai
R ūis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

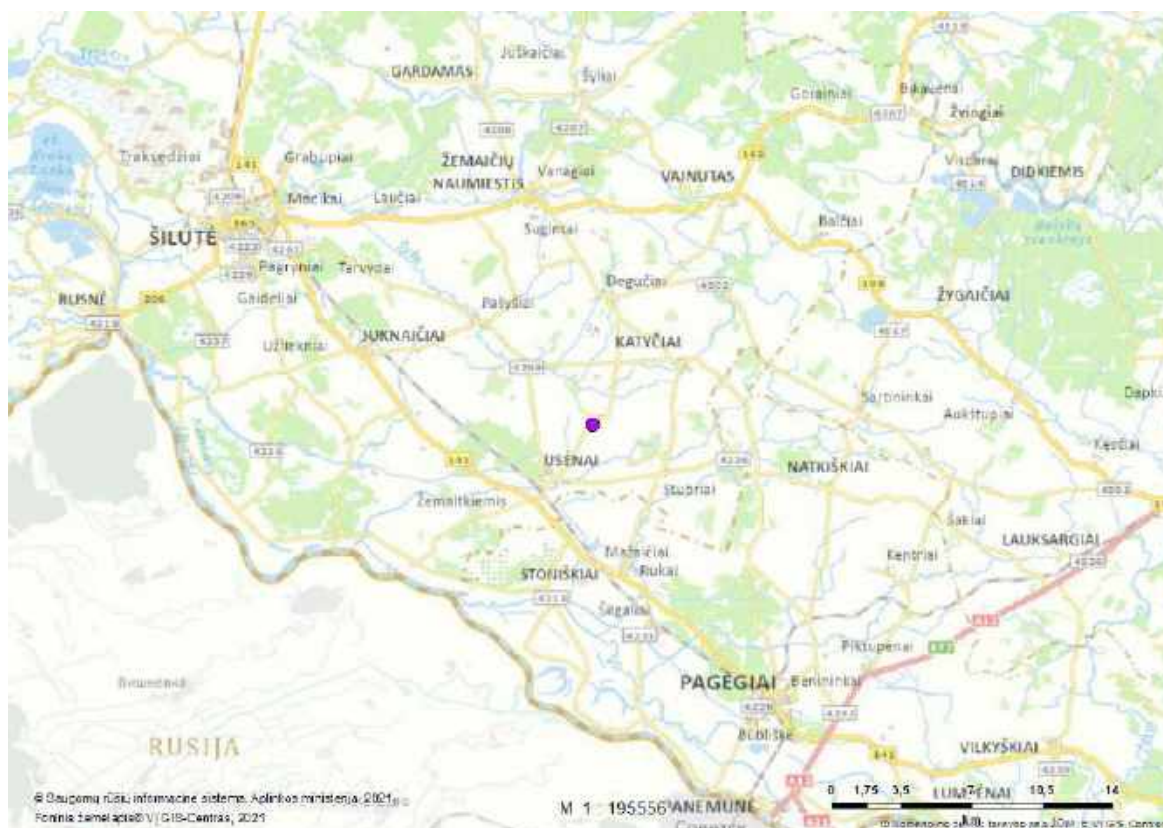
Taškas [352031,00 6127552,00]

7. RAD-CICCIC063915 (Baltasis gandrai)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-CICCIC063915
Rūšis (lietuviškas pavadinimas)	Baltasis gandrai
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugusių individai	lizdas, ola ir pan.

Radavietės/aušavietės koordinatės:

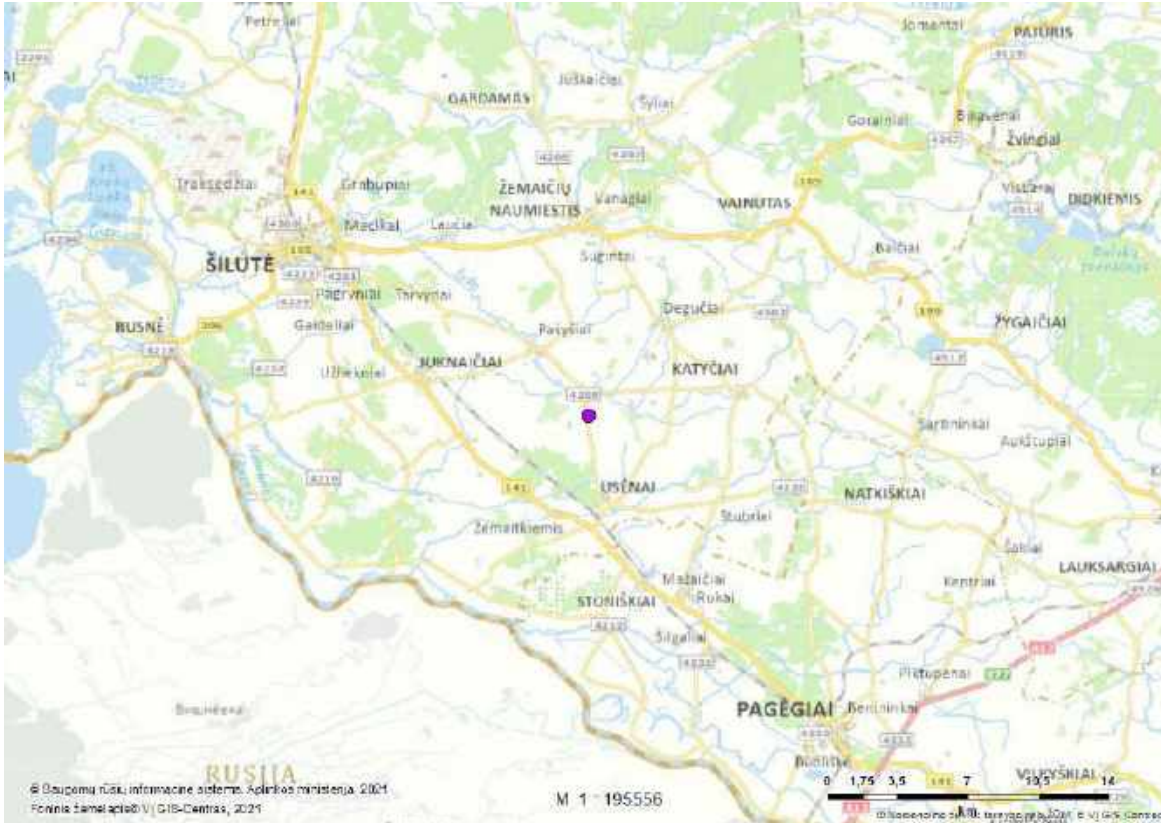
Taškas [357519,00 6127127,00]

8. RAD-CICCIC063862 (Baltasis gandras)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CICCIC063862
Rūšis (lietuviškas pavadinimas)	Baltasis gandras
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietės/augavietės koordinatės:

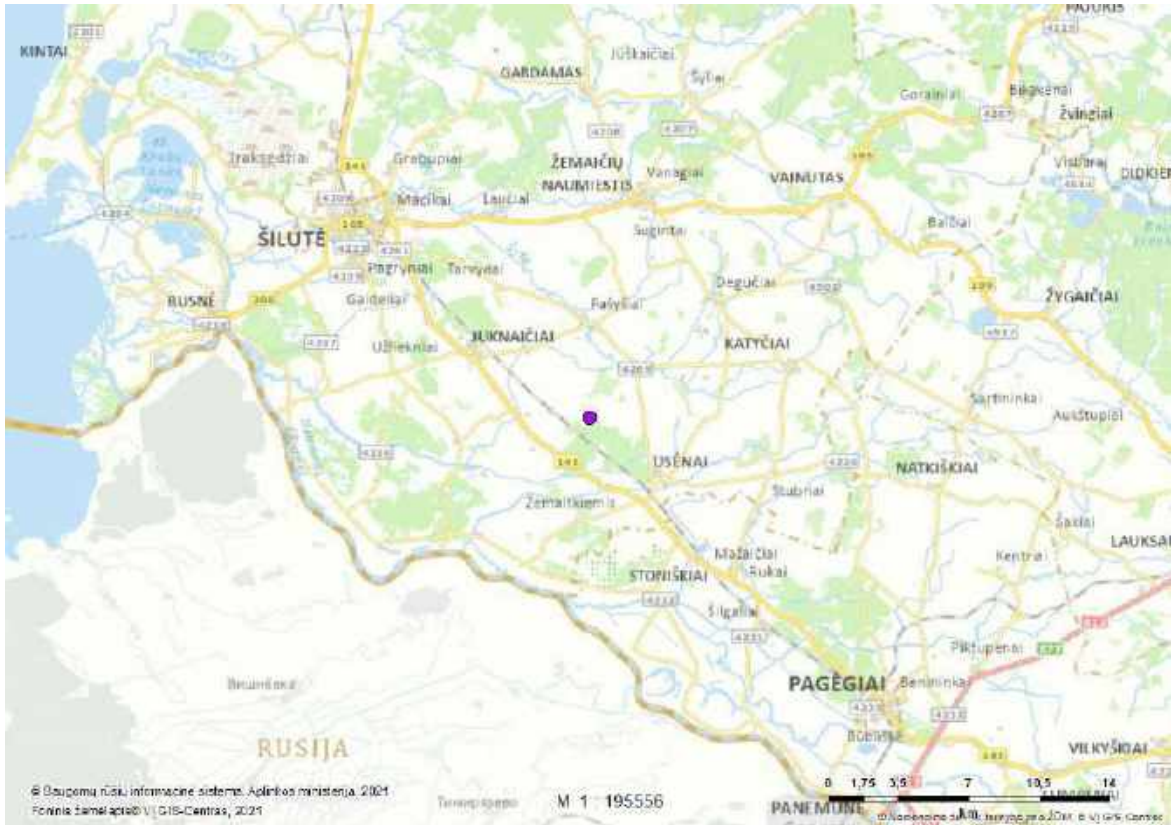
Taškas [354484,00 6128919,00]

9. RAD-CICCIC063863 (Baltasis gandrai)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-CICCIC063863
Rūšis (lietuviškas pavadinimas)	Baltasis gandrai
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietės/aušavietės koordinatės:

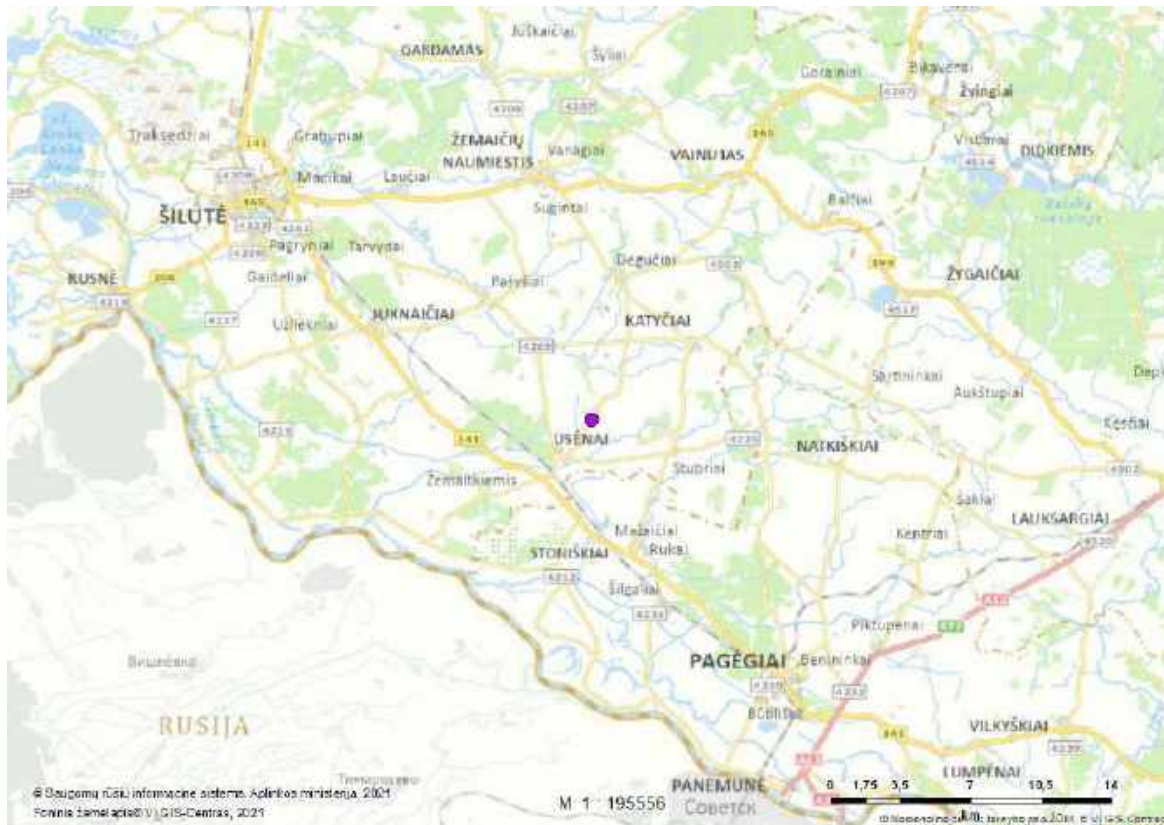
Taškas [351936,00 6127543,00]

10. RAD-CICCIC063912 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC063912
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

Taškas [356985,00 6126322,00]

11. RAD-CICCIC063865 (Baltasis gandras)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-CICCIC063865
R šis (lietuviškas pavadinimas)	Baltasis gandras
R šis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietės/aušavietės koordinatės:

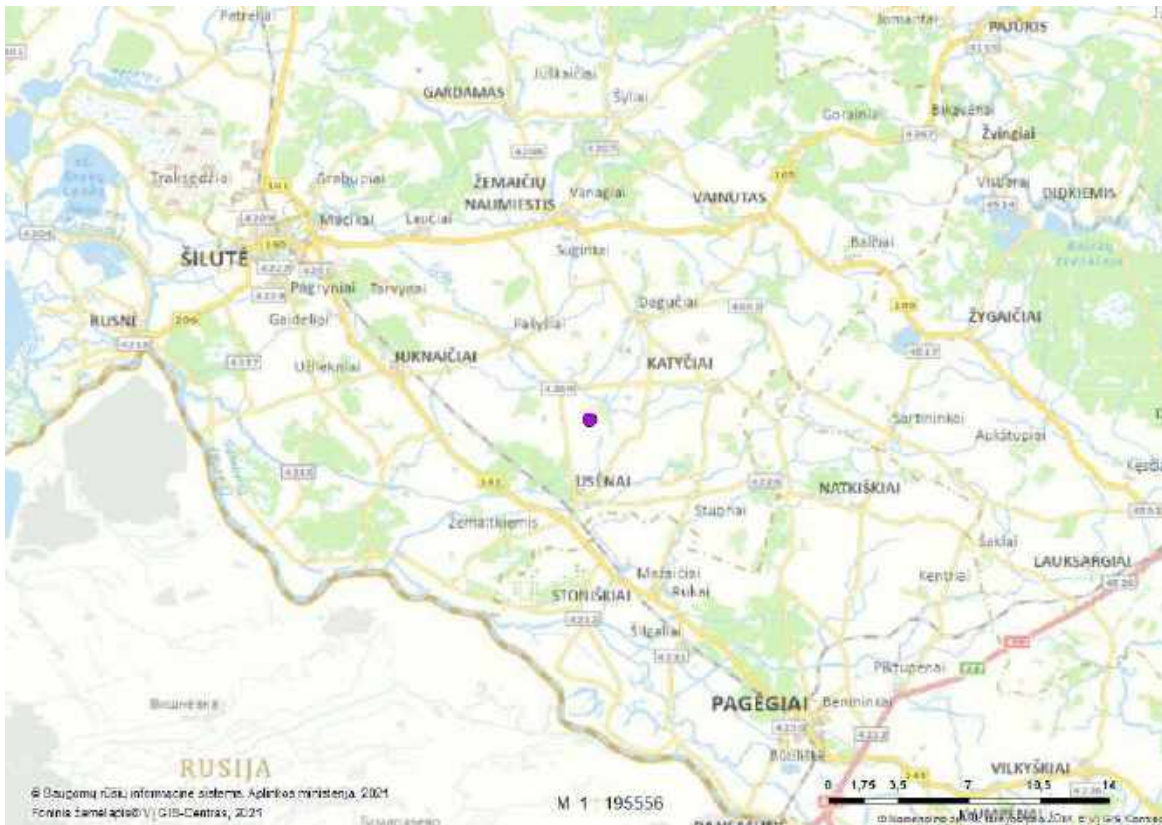
Taškas [354565,00 6128368,00]

12. RAD-CICCIC063866 (Baltasis gandras)

Radavietis/augavietis duomenys:

Radavietis/augavietis kodas	RAD-CICCIC063866
R šis (lietuviškas pavadinimas)	Baltasis gandras
R šis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietis/augavietis žemėlapis:



Radavietis/augavietis stebėjimo duomenys:

Stebėjimo data	Radavietis/stebėjimo sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietis/augavietis koordinatės:

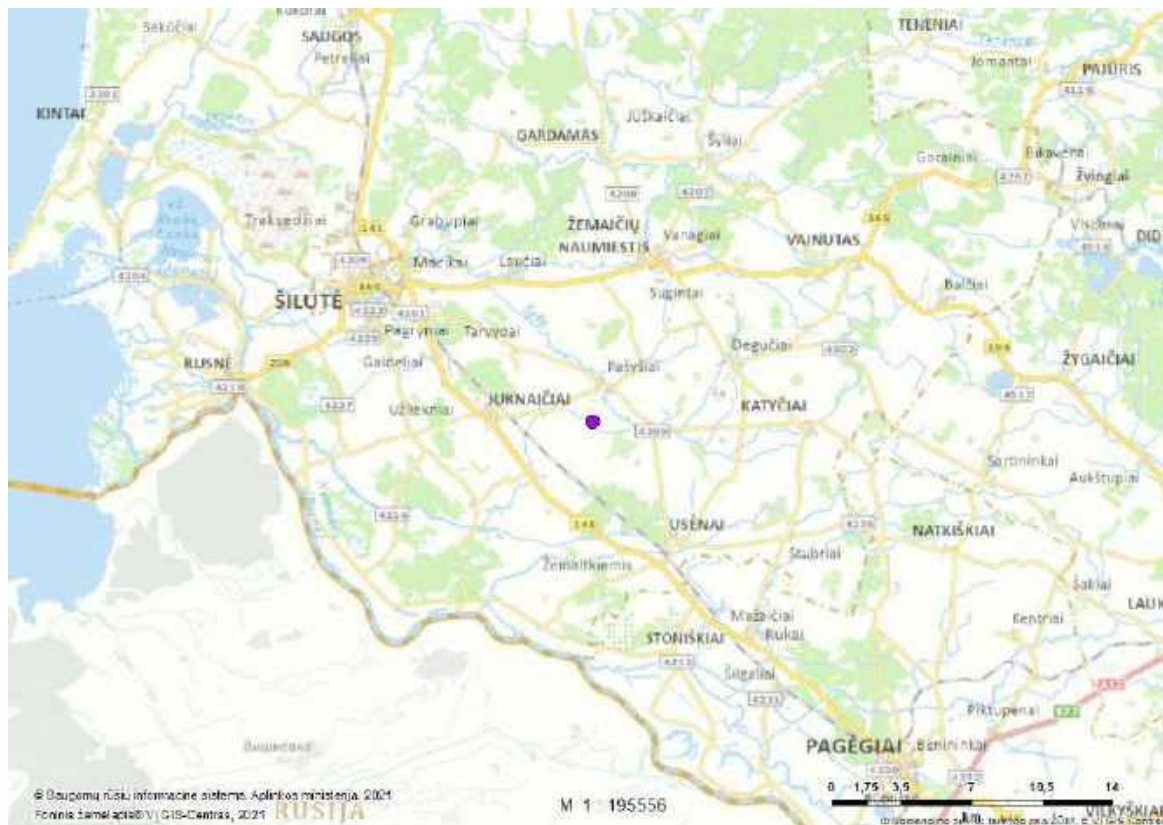
Taškas [355790,00 6128429,00]

13. RAD-CICCIC020770 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020770
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

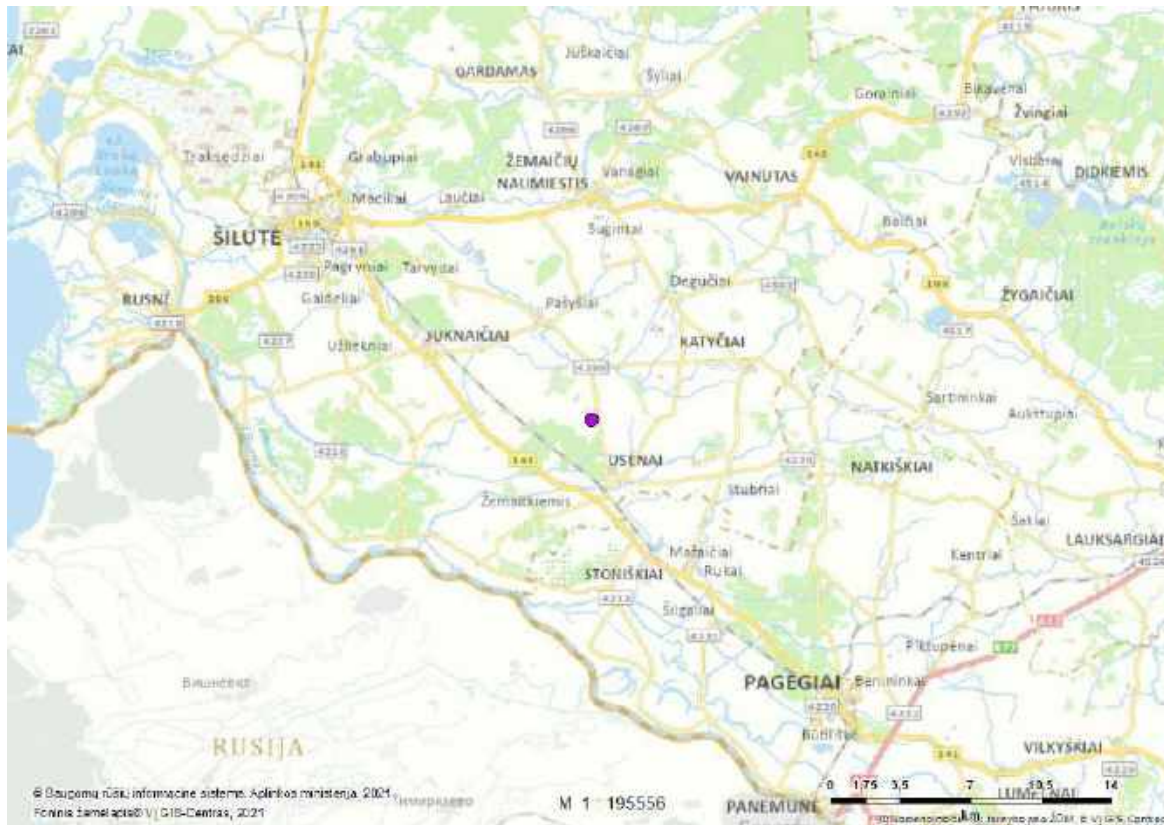
Taškas [351260,00 6130454,00]

14. RAD-PLUAPR090129 (Dirvinis šilvų jūkas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090129
Rūšis (lietuviškas pavadinimas)	Dirvinis šilvų jūkas
Rūšis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-09-29	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

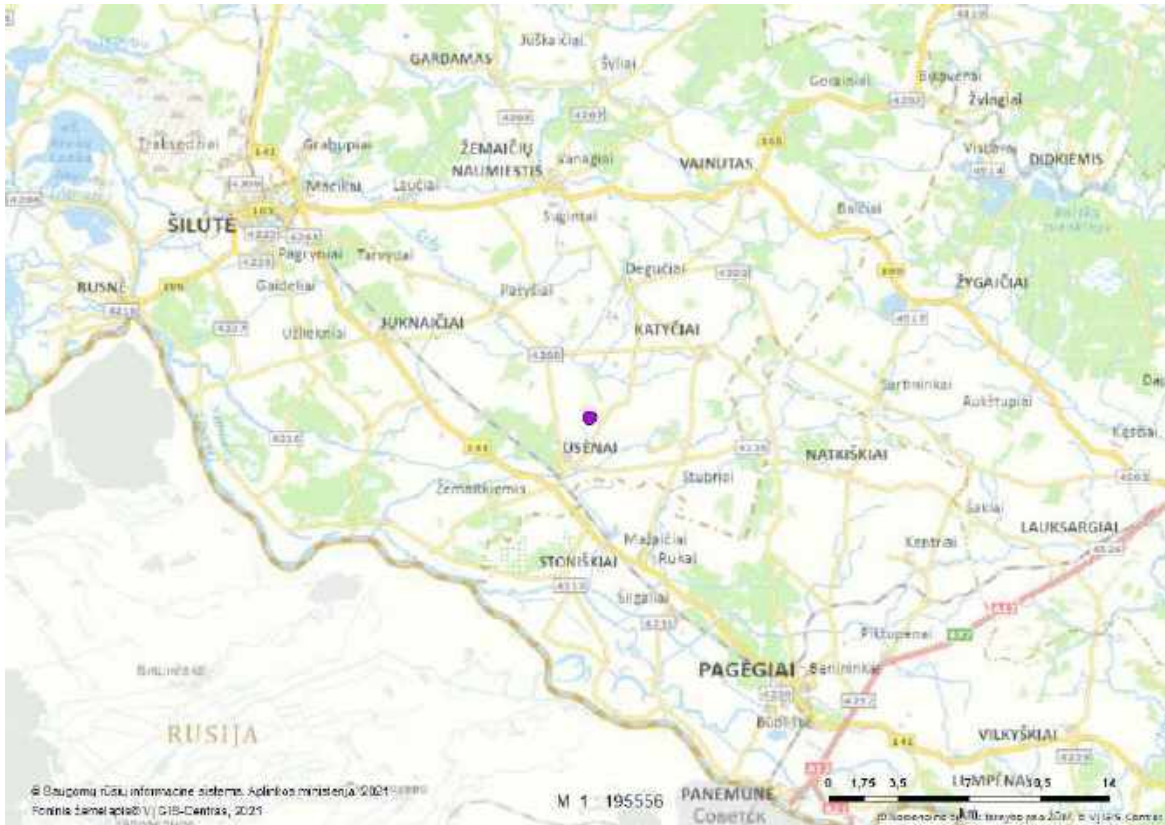
Taškas [354273,84 6127376,66]

15. RAD-PLUAPR090096 (Dirvinis sėjikas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090096
R šis (lietuviškas pavadinimas)	Dirvinis sėjikas
R šis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-09-29	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

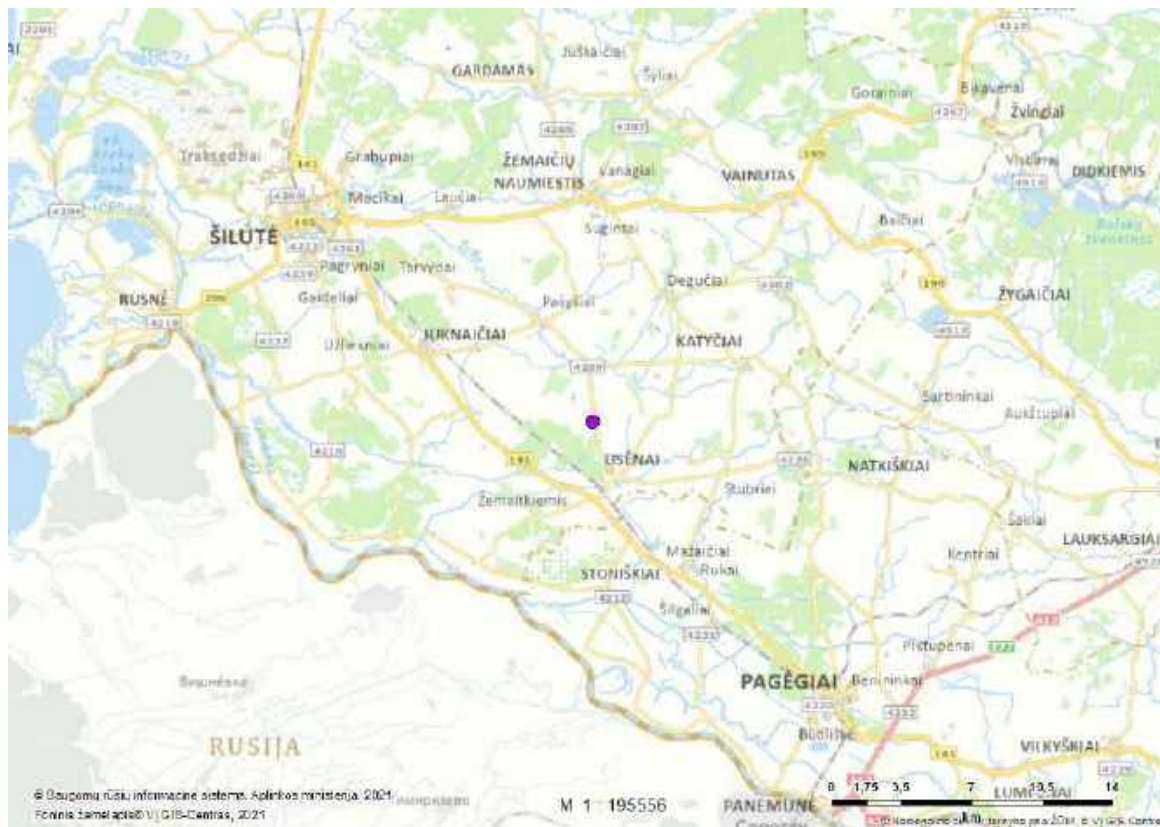
Taškas [356433,54 6126851,12]

16. RAD-PLUAPR090144 (Dirvinis s jikas)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-PLUAPR090144
R ūšis (lietuviškas pavadinimas)	Dirvinis s jikas
R ūšis (lotyniškas pavadinimas)	Pluvialis apricaria

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-09-29	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

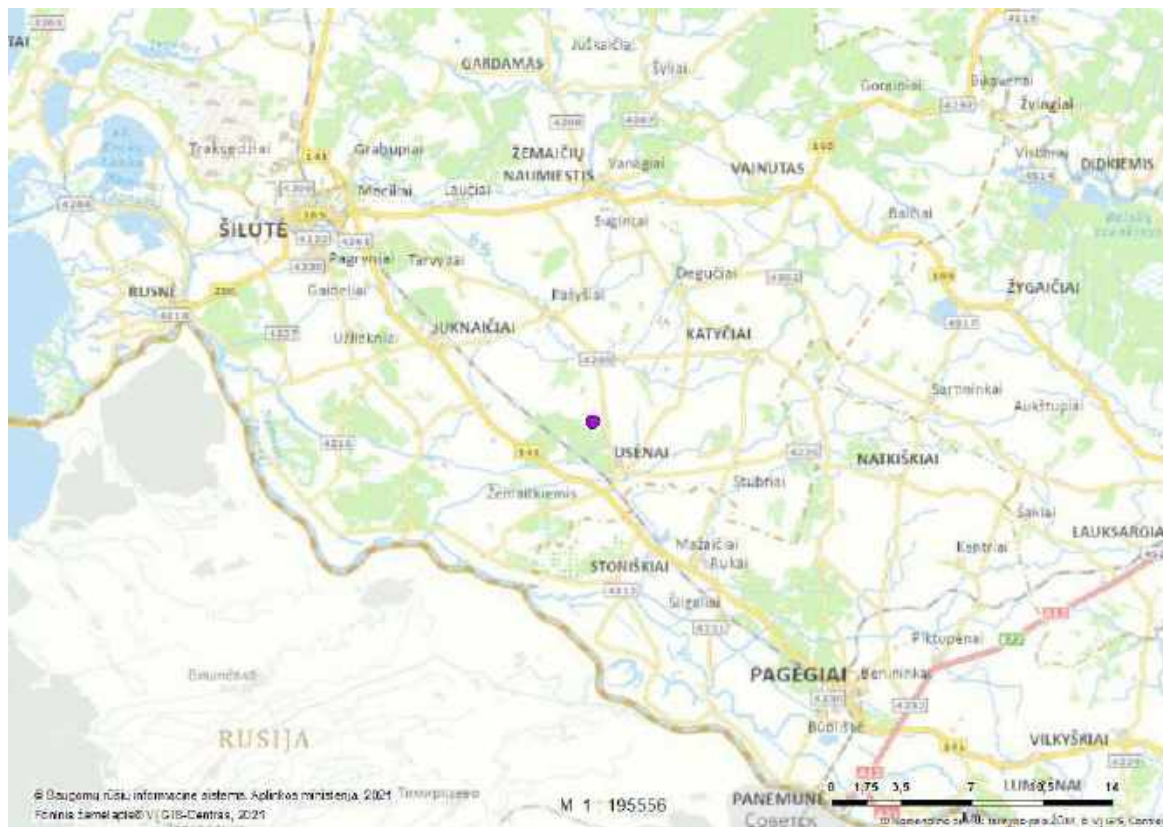
Taškas [354485,63 6127243,17]

17. RAD-PLUAPR090136 (Dirvinis šilvų jūkas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090136
Rūšis (lietuviškas pavadinimas)	Dirvinis šilvų jūkas
Rūšis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-04	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

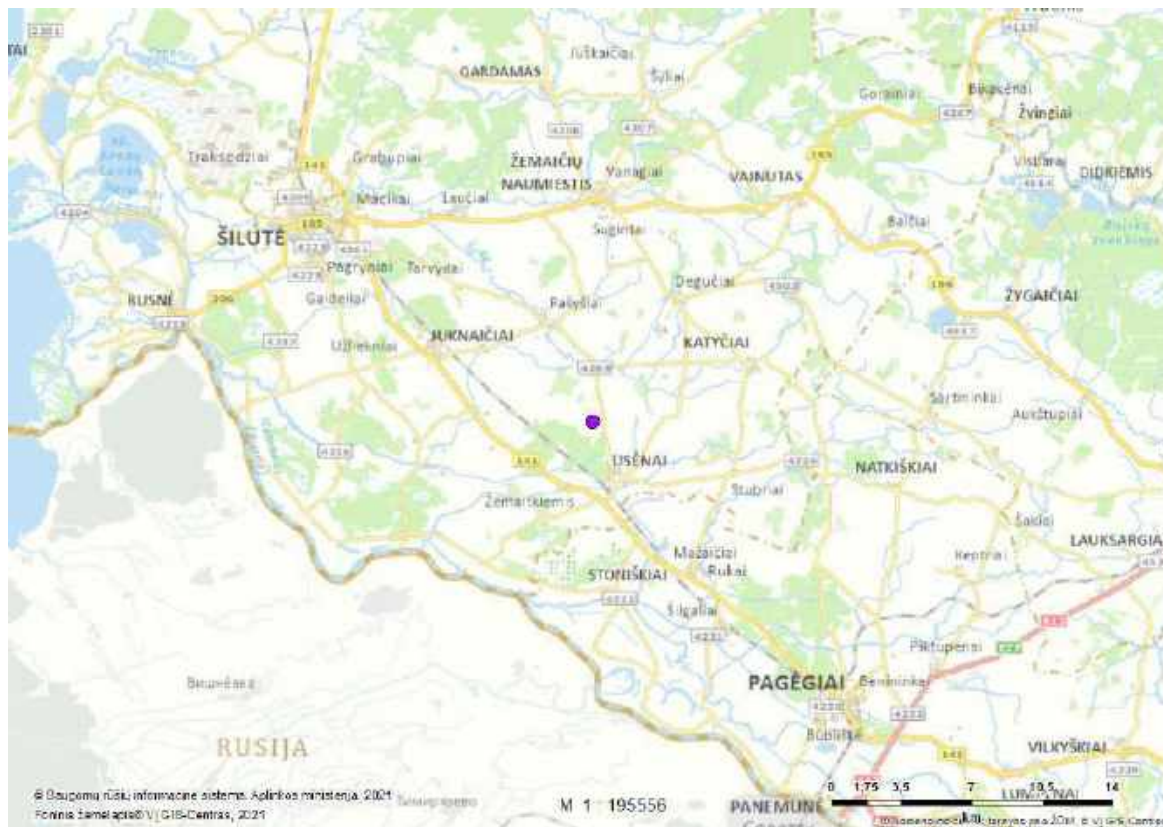
Taškas [354022,61 6126885,98]

18. RAD-PLUAPR090145 (Dirvinis šilvų jūkas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090145
Rūšis (lietuviškas pavadinimas)	Dirvinis šilvų jūkas
Rūšis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-22	[nėra duomenų]	[nėra duomenų]	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

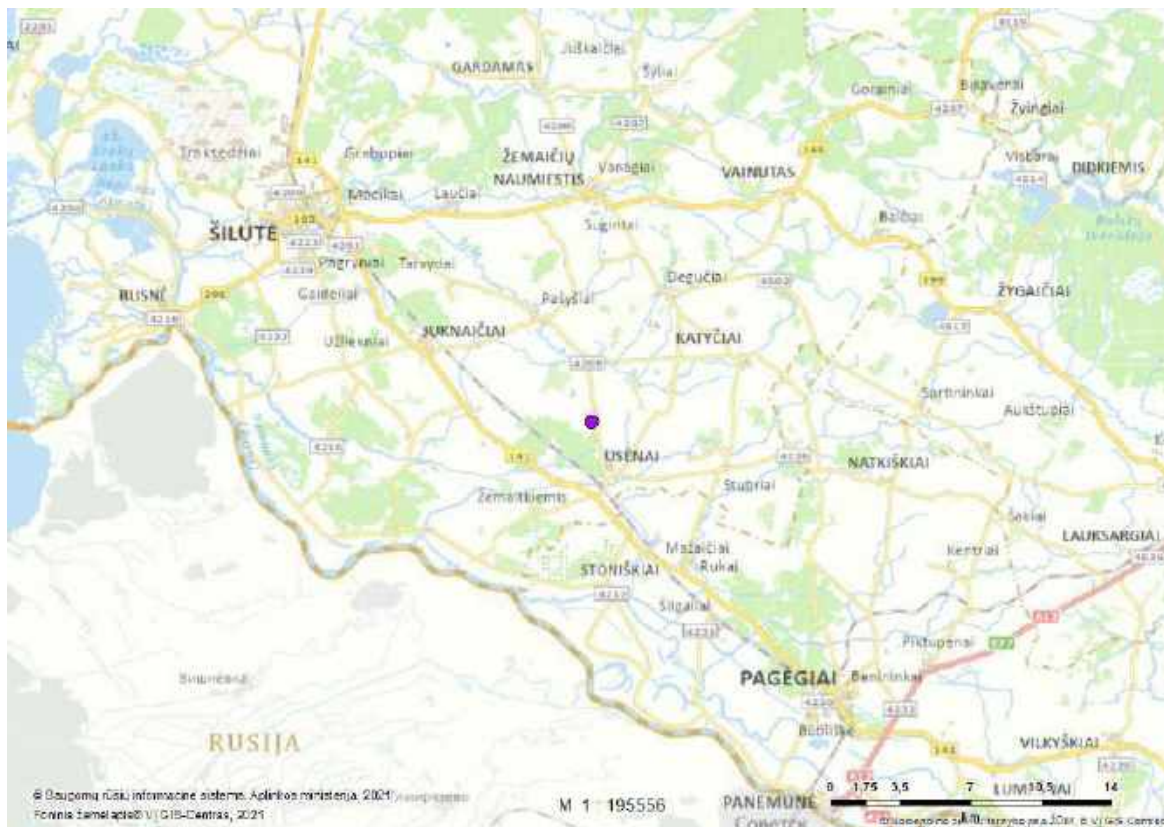
Taškas [354115,21 6127296,09]

19. RAD-PLUAPR090137 (Dirvinis šilvynas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090137
Rūšis (lietuviškas pavadinimas)	Dirvinis šilvynas
Rūšis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-25	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

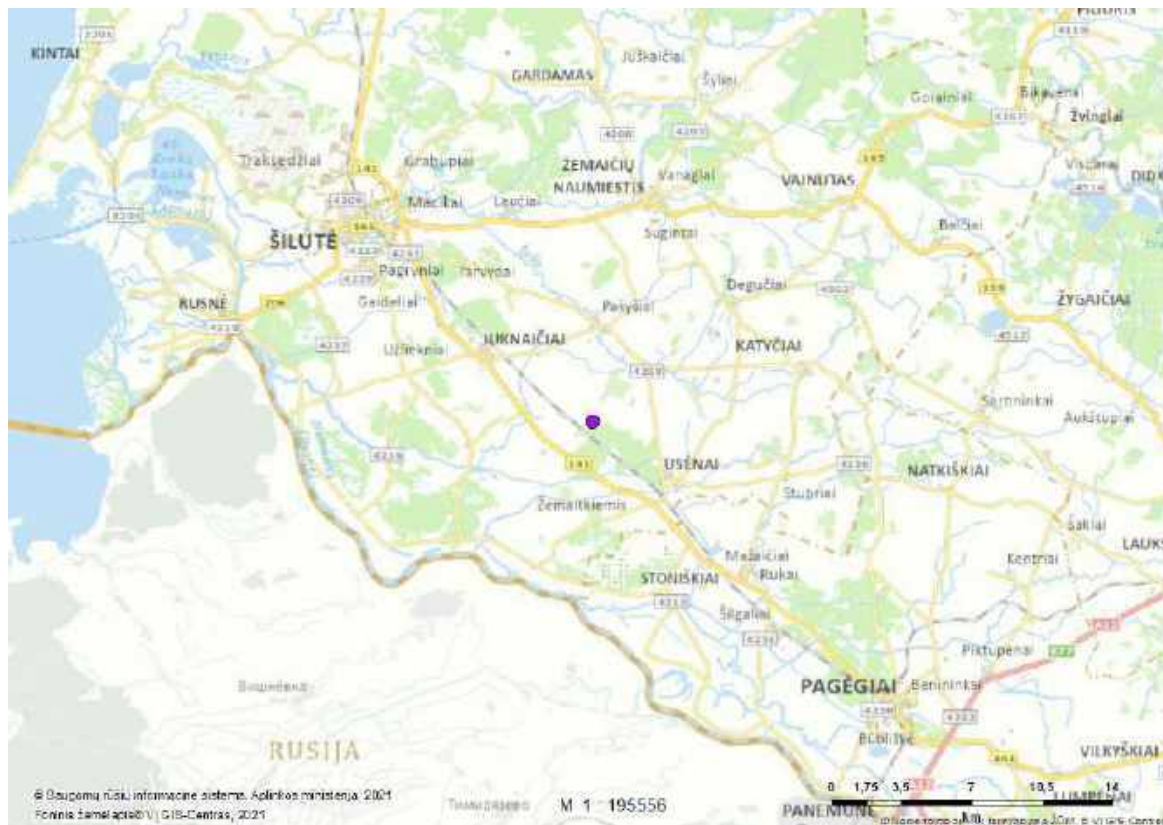
Taškas [354455,08 6127066,30]

20. RAD-FALSUB080235 (Eurazinis sketsakalis)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-FALSUB080235
R ūšis (lietuviškas pavadinimas)	Eurazinis sketsakalis
R ūšis (lotyniškas pavadinimas)	Falco subbuteo

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2014-06-02	[n ra duomen]	suaug s individas	[n ra duomen]

Radaviet s/augaviet s koordinat s:

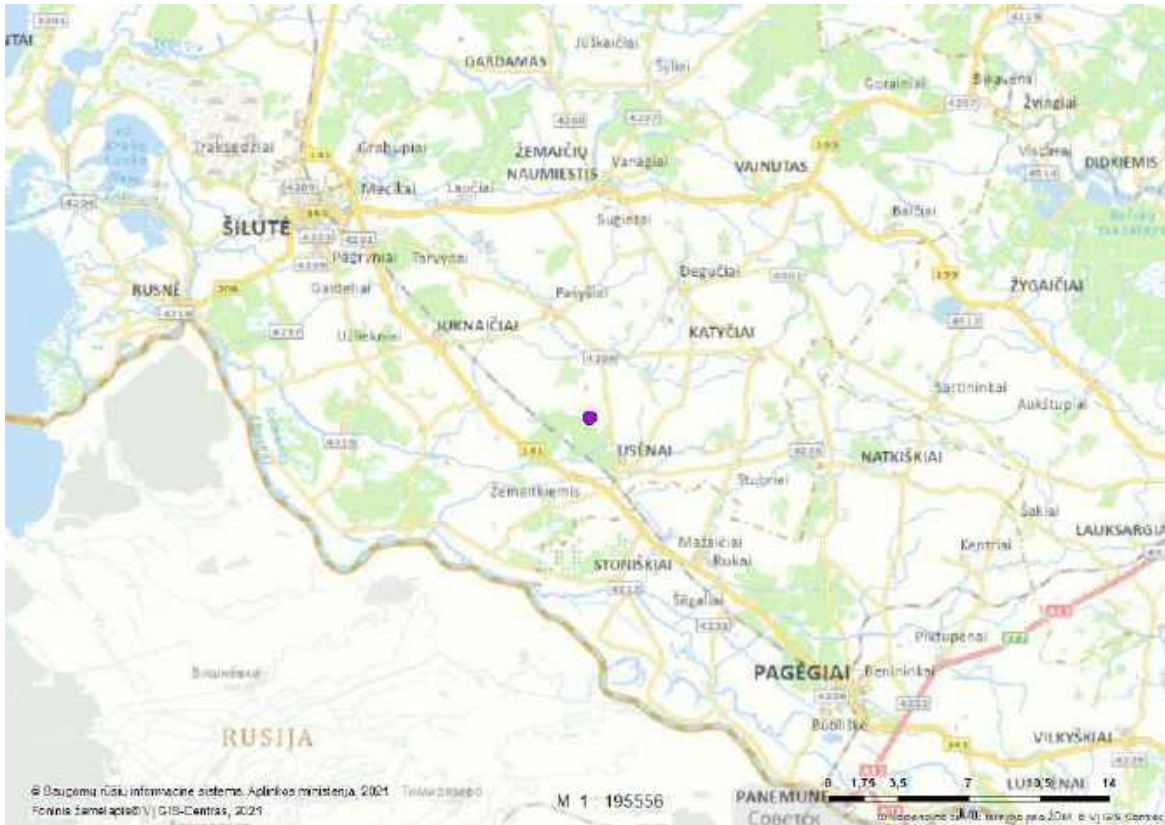
Taškas [351522,29 6127468,07]

21. RAD-CIRCYA090183 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA090183
R ūšis (lietuviškas pavadinimas)	Javin ling
R ūšis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radavietis b sena	Vystymosi stadija	Veiklos požymiai
2016-09-26	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

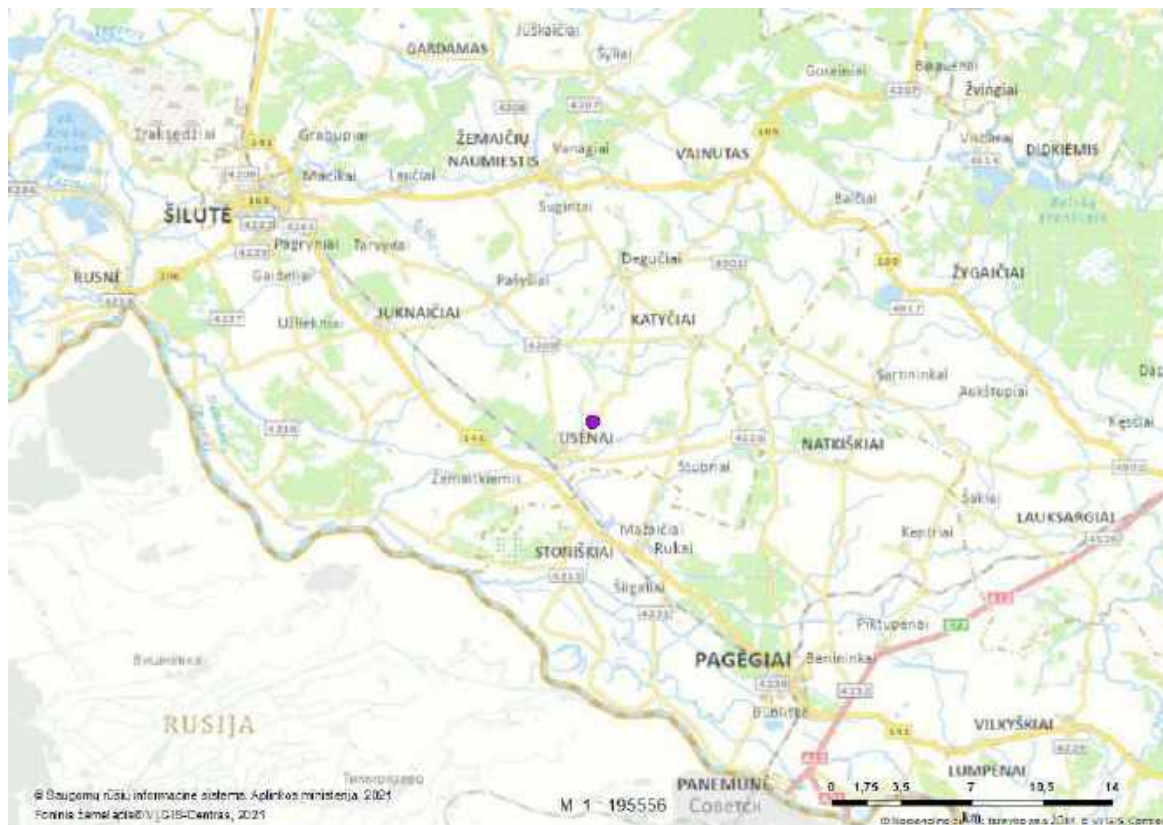
Taškas [353698,78 6126992,35]

22. RAD-CIRCYA090176 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA090176
R ūšis (lietuviškas pavadinimas)	Javin ling
R ūšis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-09-29	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

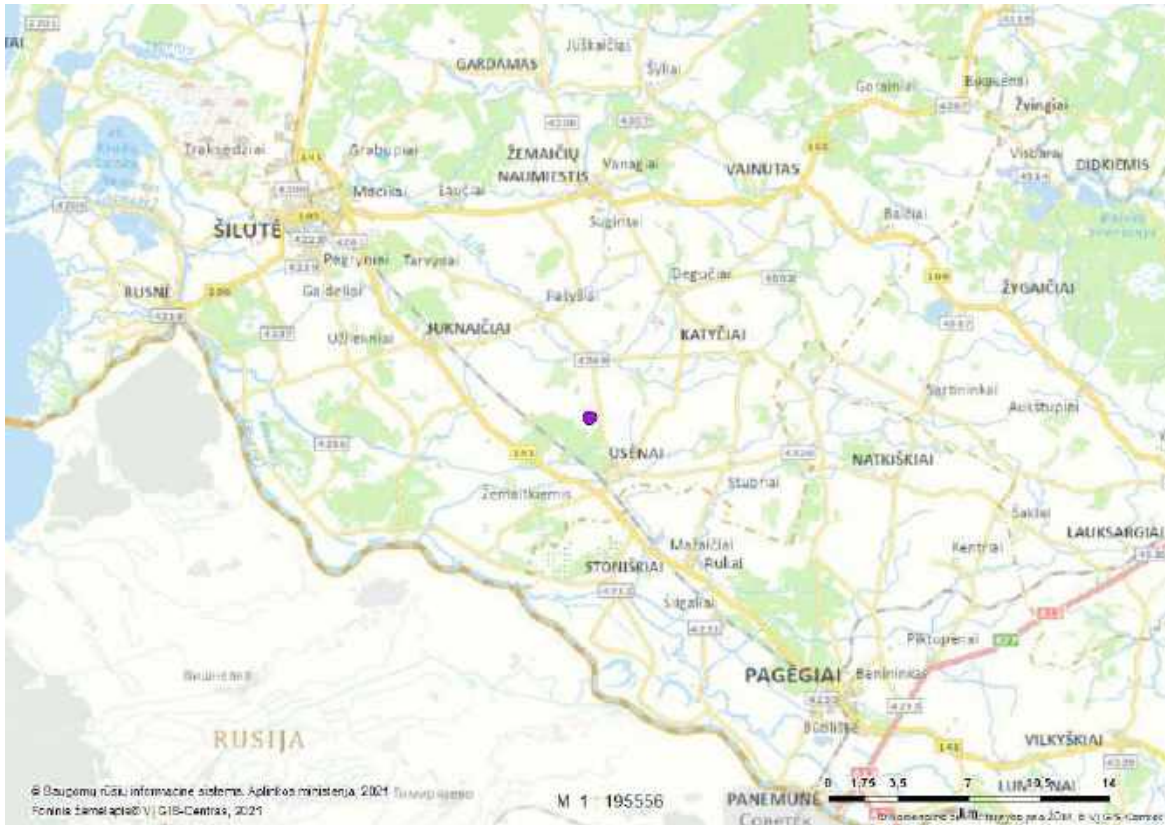
Taškas [356774,28 6126158,38]

23. RAD-CIRCYA090178 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA090178
R ūšis (lietuviškas pavadinimas)	Javin ling
R ūšis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-10-12	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

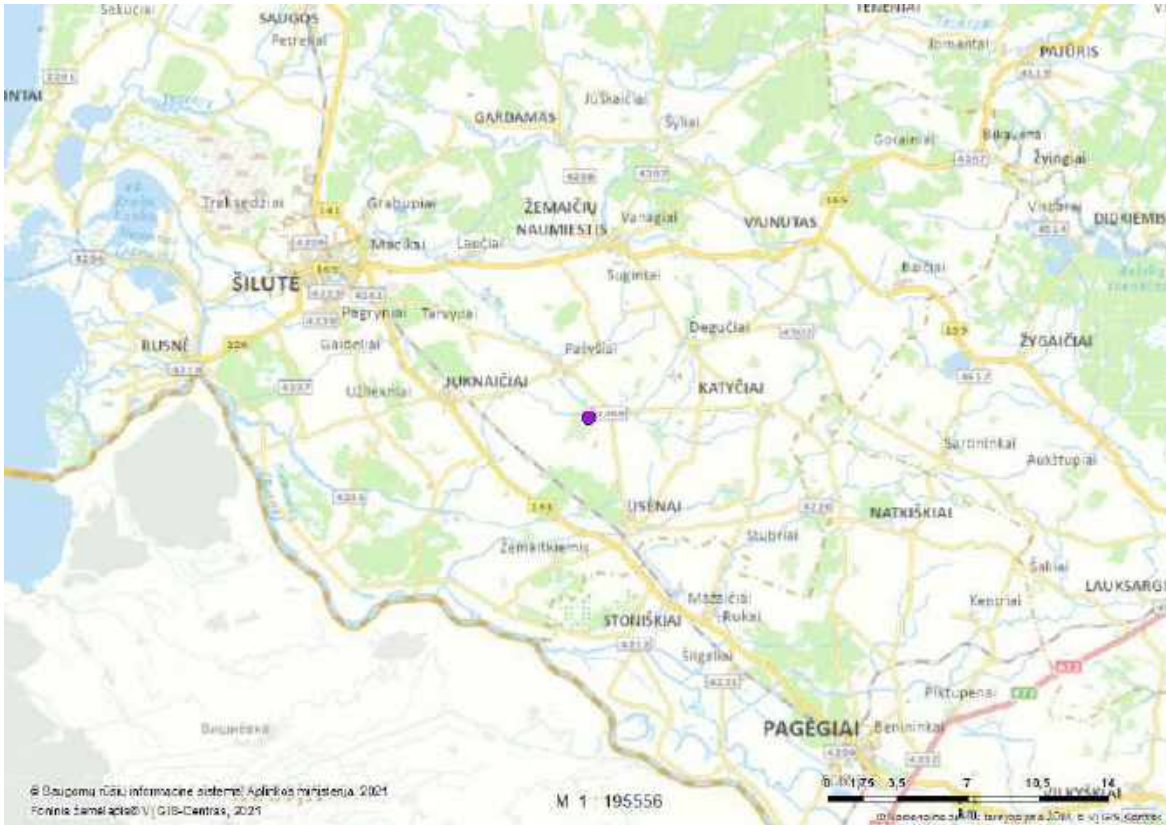
Taškas [354135,20 6127115,51]

24. RAD-CIRCYA090196 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA090196
R ūšis (lietuviškas pavadinimas)	Javin ling
R ūšis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-10-13	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

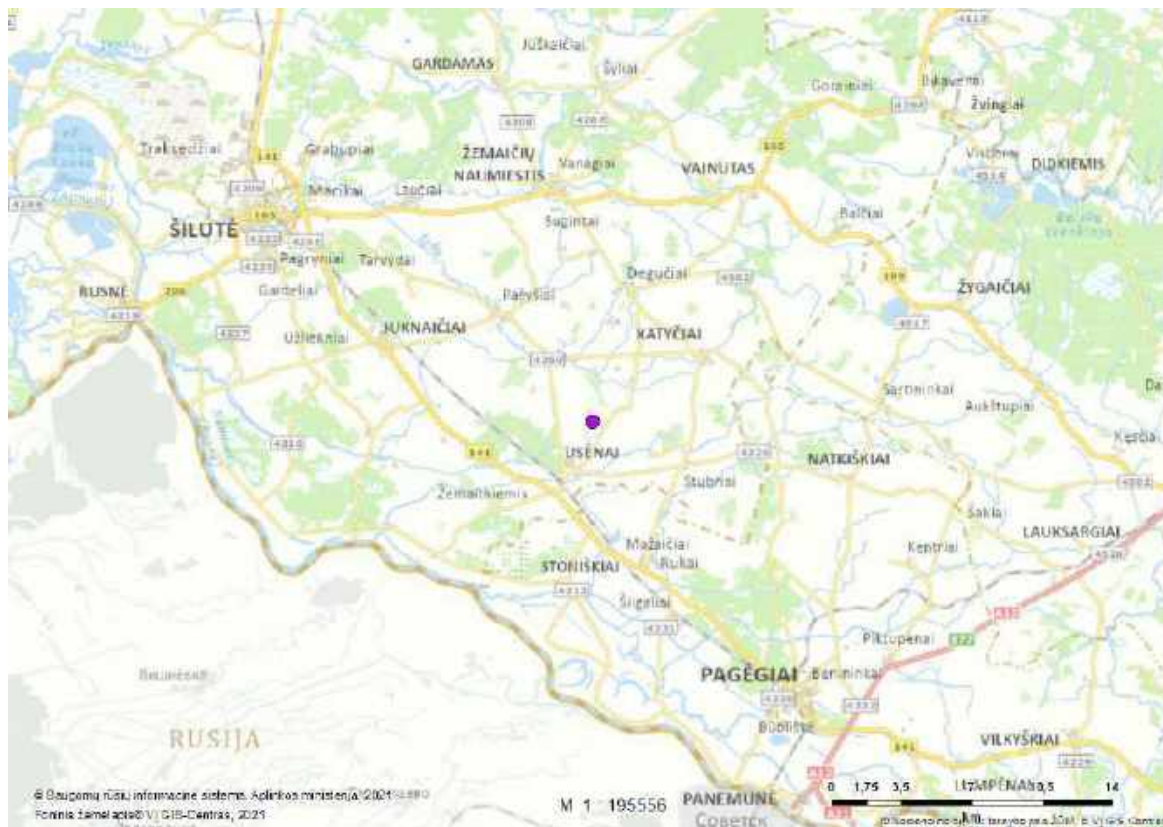
Taškas [353181,38 6129769,82]

25. RAD-CIRCYA090194 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA090194
R ū šis (lietuviškas pavadinimas)	Javin ling
R ū šis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-10-23	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

Taškas [356483,12 6126886,65]

26. RAD-MYONAT072037 (Natererio pel ausis)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-MYONAT072037
R ūšis (lietuviškas pavadinimas)	Natererio pel ausis
R ūšis (lotyniškas pavadinimas)	Myotis nattereri

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

Poligonas [354146,14 6129543,61, 354110,65 6129564,49, 353998,49 6129514,50, 354000,31 6129488,82, 354146,14 6129543,61]

27. RAD-PIP NAT072724 (Natuzijaus šikšniukas)

Radaviet s/ augaviet s duomenys:

Radaviet s/ augaviet s kodas	RAD-PIP NAT072724
R ū šis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R ū šis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radaviet s/ augaviet s žemėlapis:



Radaviet s/ augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-19	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/ augaviet s koordinatės:

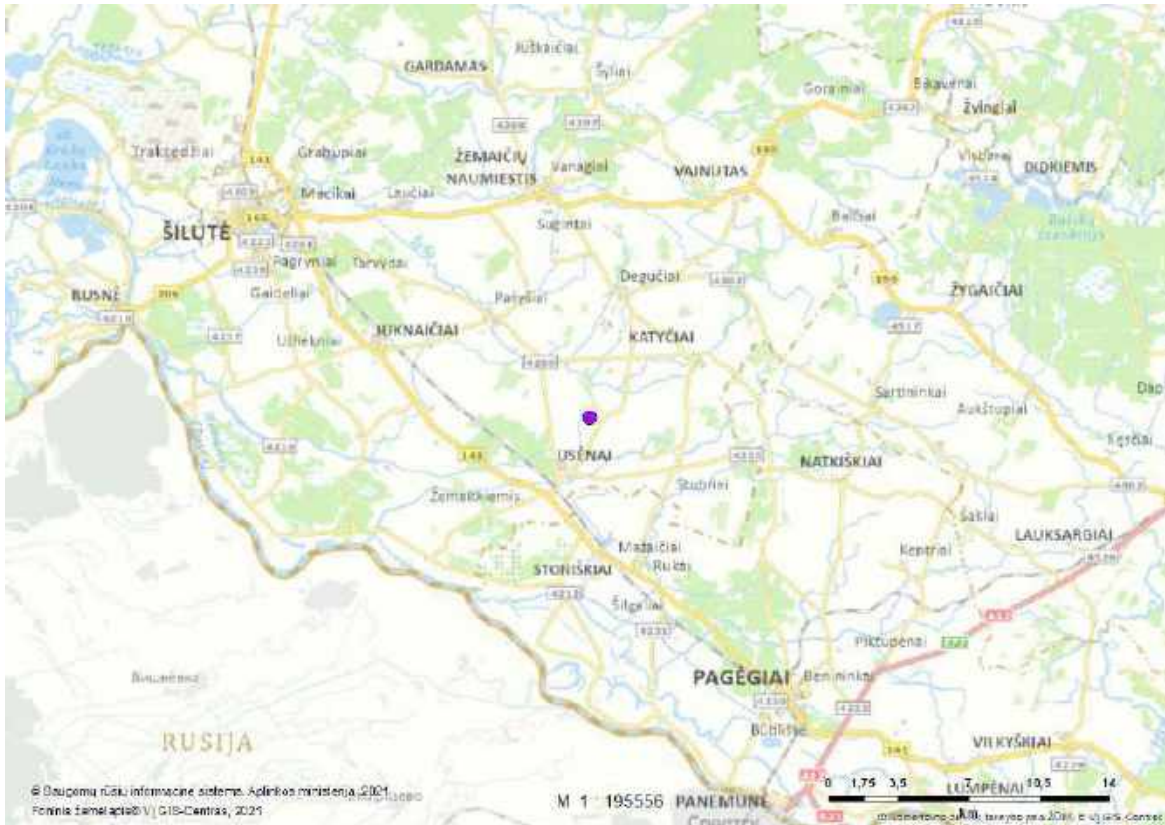
Taškas [354821,66 6126440,44]

28. RAD-PIP NAT072728 (Natuzijaus šikšniukas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PIP NAT072728
R šis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R šis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-06-19	Pirmas stebėjimas	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

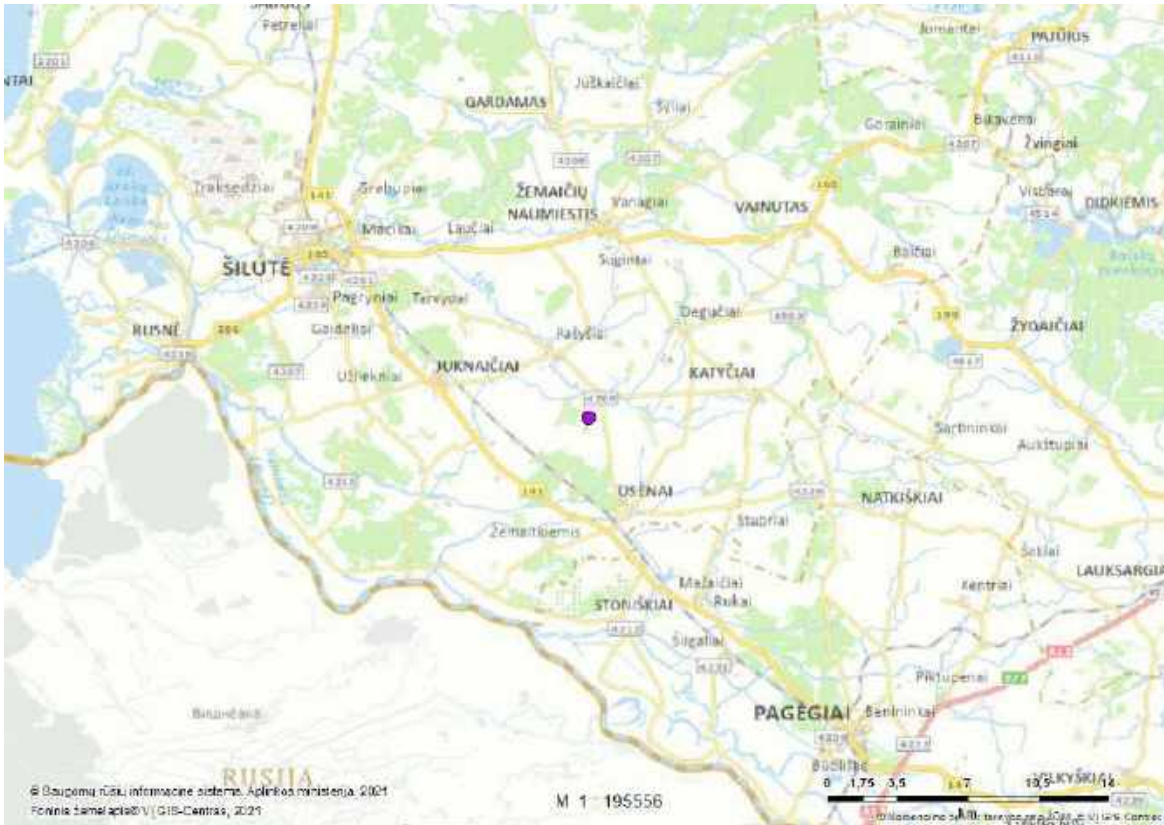
Taškas [356709,12 6127231,21]

29. RAD-PIP NAT071995 (Natuzijaus šikšniukas)

Radaviet s/ augaviet s duomenys:

Radaviet s/ augaviet s kodas	RAD-PIP NAT071995
R ūšis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R ūšis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radaviet s/ augaviet s žem lapis:



Radaviet s/ augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/ augaviet s koordinat s:

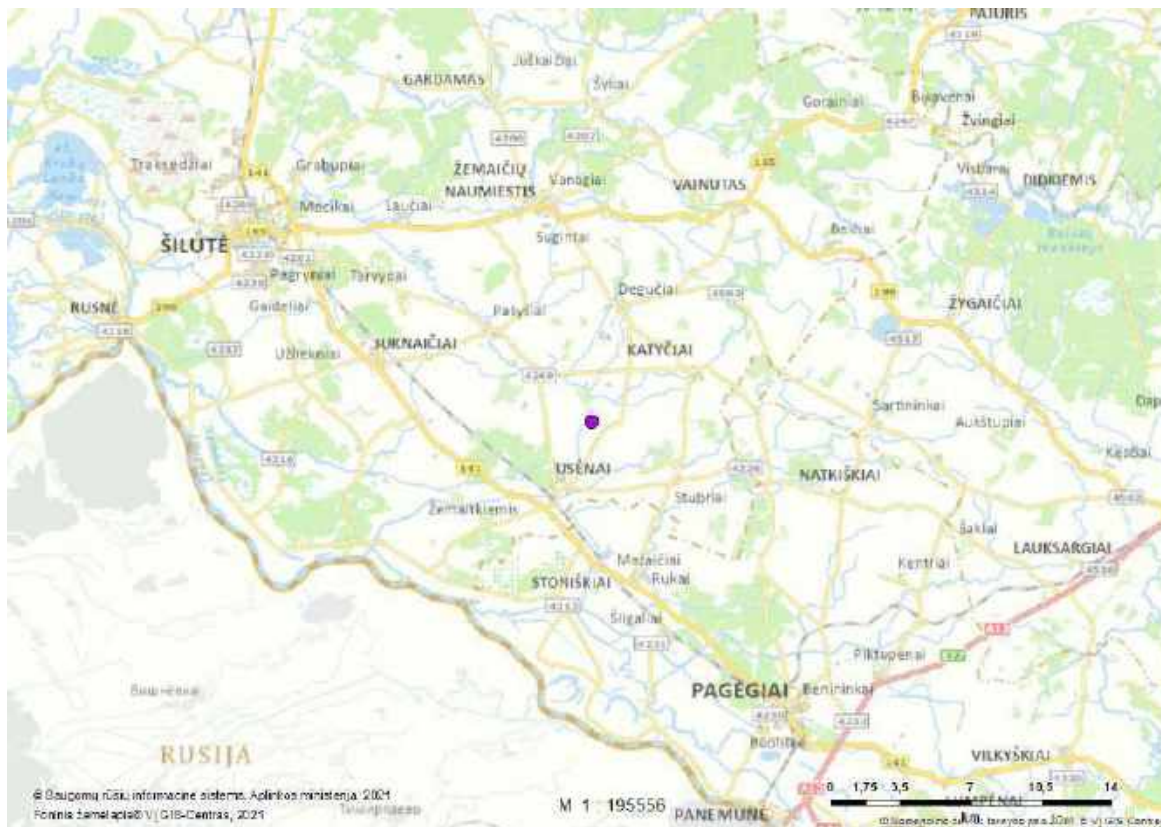
Taškas [353633,95 6129005,09]

30. RAD-PIP NAT072061 (Natuzijaus šikšniukas)

Radaviet s/ augaviet s duomenys:

Radaviet s/ augaviet s kodas	RAD-PIP NAT072061
R ū šis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R ū šis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radaviet s/ augaviet s žemėlapis:



Radaviet s/ augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/ augaviet s koordinatės:

Taškas [356880,28 6127679,57]

31. RAD-PIP NAT072019 (Natuzijaus šikšniukas)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-PIP NAT072019
R ūšis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R ūšis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug ūs individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat ūs:

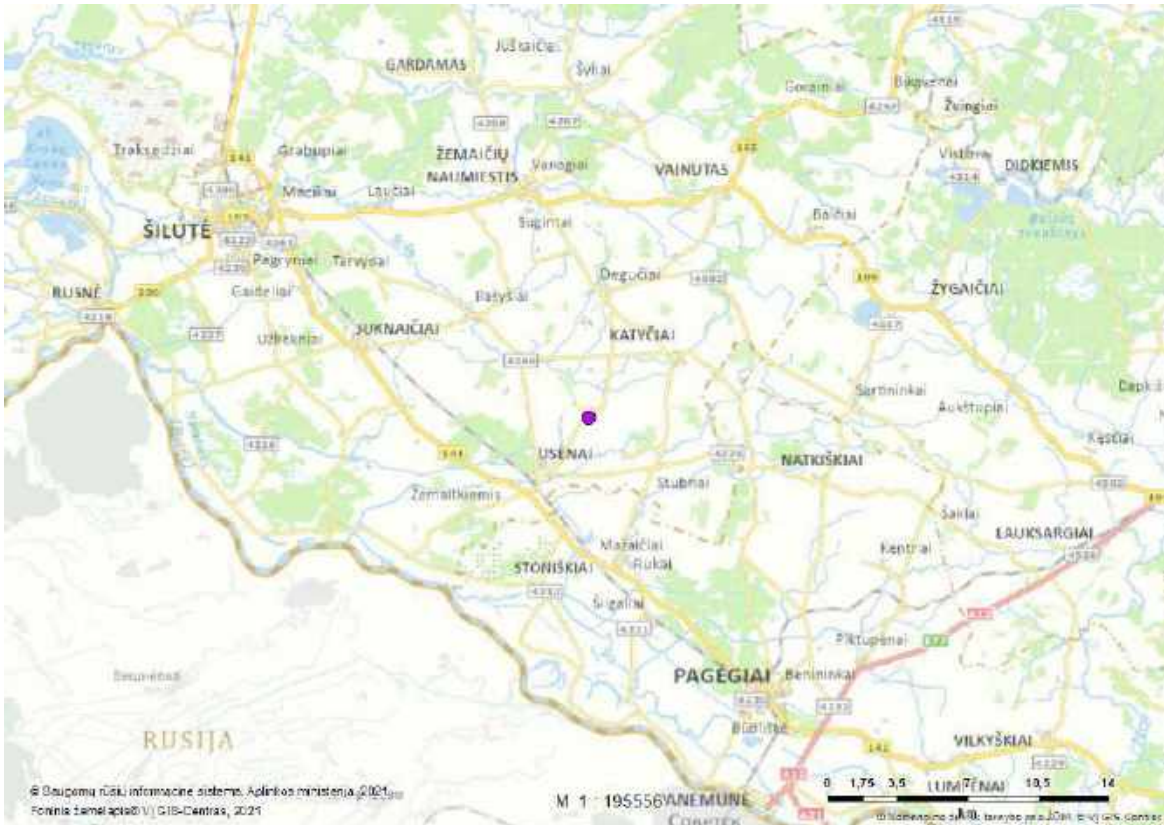
Poligonas [354146,14 6129543,61, 354110,65 6129564,49, 353998,49 6129514,50, 354000,31 6129488,82, 354146,14 6129543,61]

32. RAD-PIP NAT072058 (Natuzijaus šikšniukas)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-PIP NAT072058
R šis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
R šis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

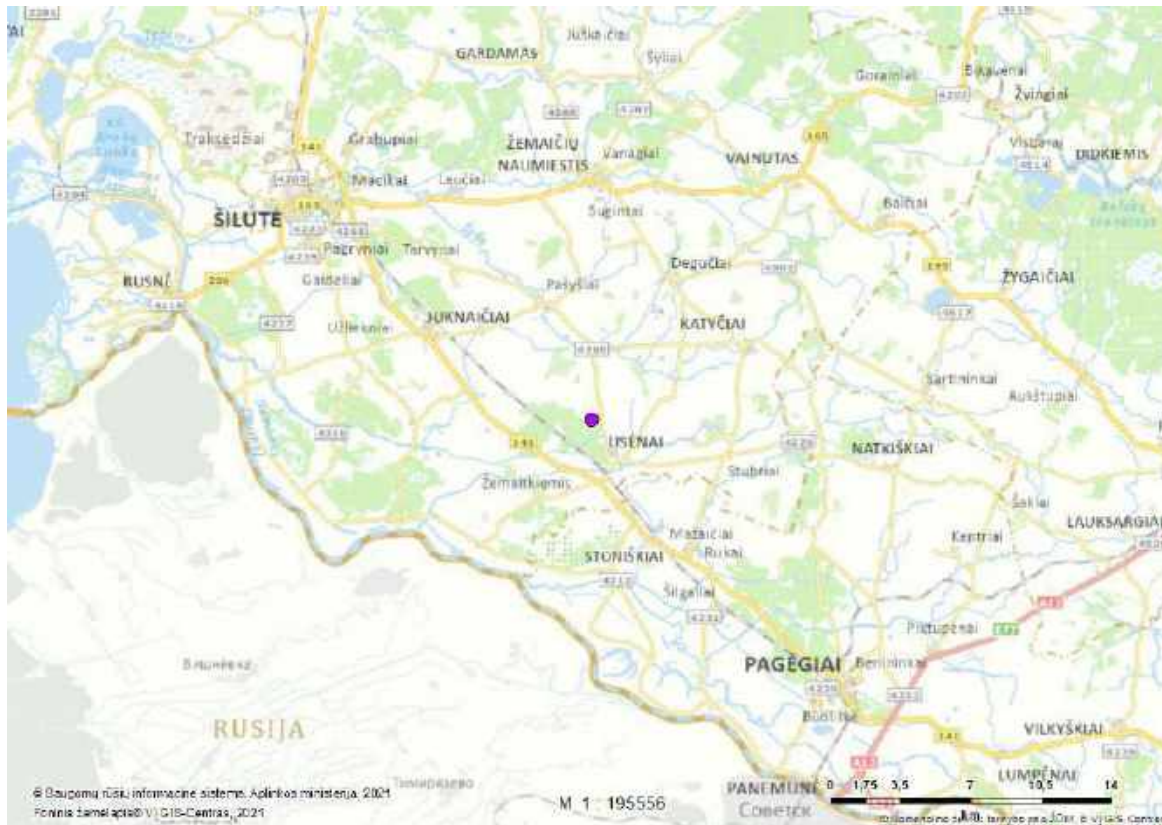
Taškas [357615,90 6127142,87]

33. RAD-PIP NAT072052 (Natuzijaus šikšniukas)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-PIP NAT072052
Rūšis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
Rūšis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/aušavietės koordinatės:

Taškas [354245,63 6126475,02]

34. AUG-NECPEN018363 (Plunksnin plusn)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	AUG-NECPEN018363
R šis (lietuviškas pavadinimas)	Plunksnin plusn
R šis (lotyniškas pavadinimas)	Neckera pennata

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-08-30	Pirmas stebėjimas	augantis grybas arba kerp	[n ra duomen]

Radaviet s/augaviet s koordinat s:

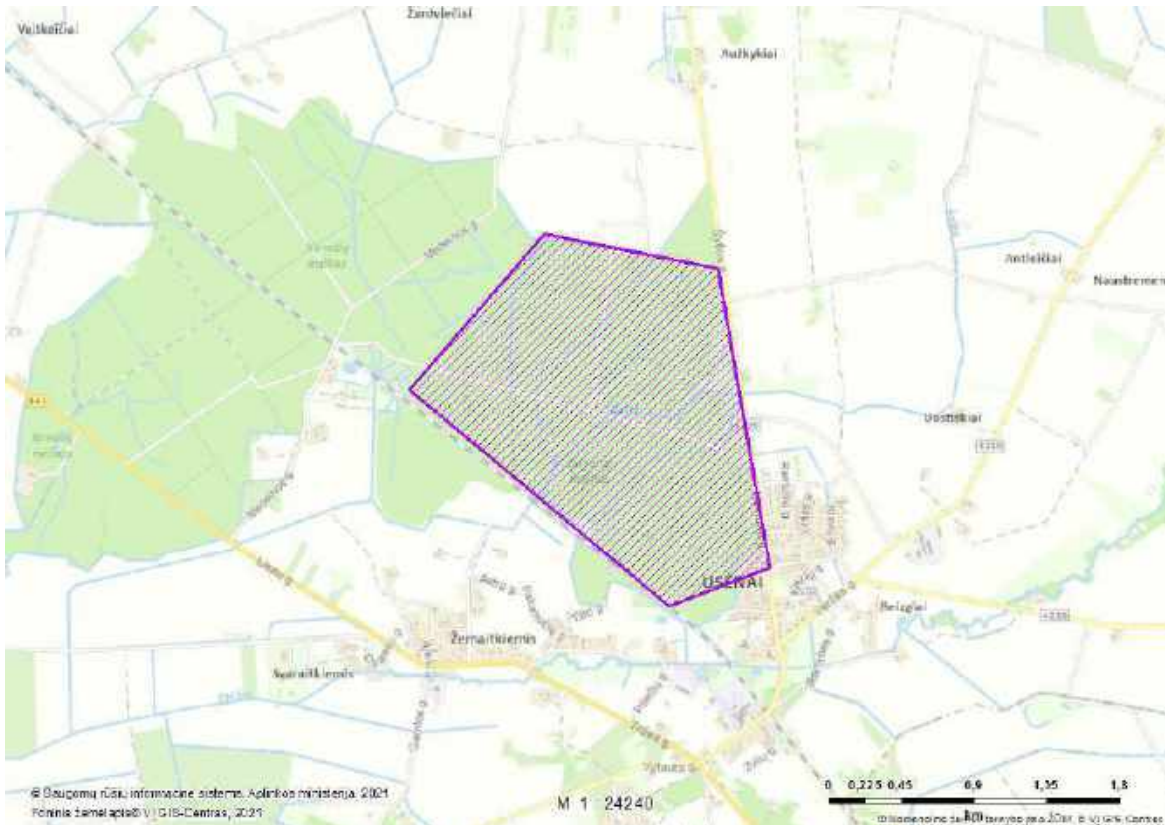
Poligonas [354572,13 6126291,50, 354575,72 6126307,00, 354589,50 6126364,50, 354580,26 6126378,85, 354572,32 6126384,15, 354551,16 6126386,79, 354518,08 6126390,76, 354485,01 6126391,82, 354446,38 6126376,47, 354401,40 6126363,77, 354378,22 6126345,51, 354387,23 6126333,50, 354429,22 6126322,49, 354478,22 6126306,50, 354566,22 6126281,50, 354569,06 6126278,50, 354572,13 6126291,50]

35. RAD-MILMIL080233 (Rudasis peslys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-MILMIL080233
R ūšis (lietuviškas pavadinimas)	Rudasis peslys
R ūšis (lotyniškas pavadinimas)	Milvus milvus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2014-06-02	[n ra duomen]	suaug s individas veisimosi vietoje (lizde, oloje ir pan.)	[n ra duomen]

Radaviet s/augaviet s koordinat s:

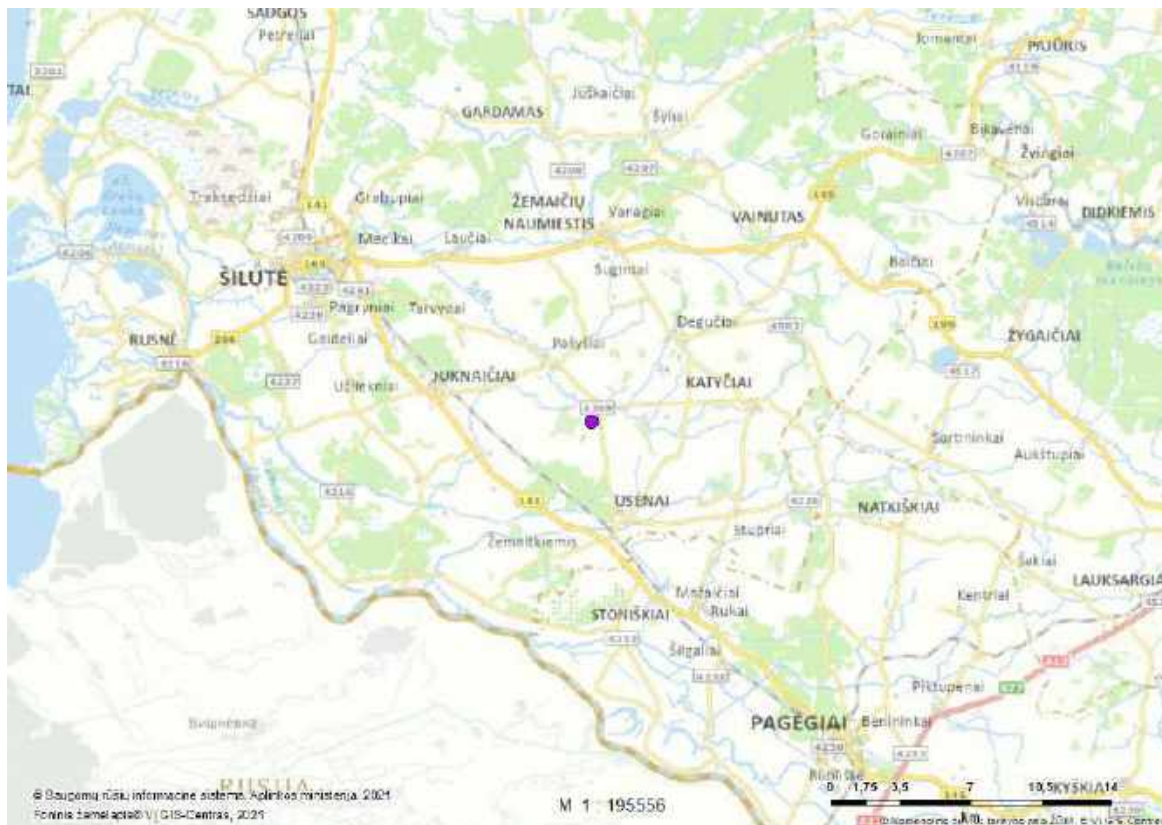
Poligonas [355107,40 6124531,19, 354789,90 6126383,27, 353718,33 6126594,94, 352884,90 6125629,21, 354485,63 6124293,06, 355107,40 6124531,19]

36. RAD-MILMIL090150 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL090150
Rūšis (lietuviškas pavadinimas)	Rudasis peslys
Rūšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2016-09-27	[nėra duomenų]	[nėra duomenų]	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

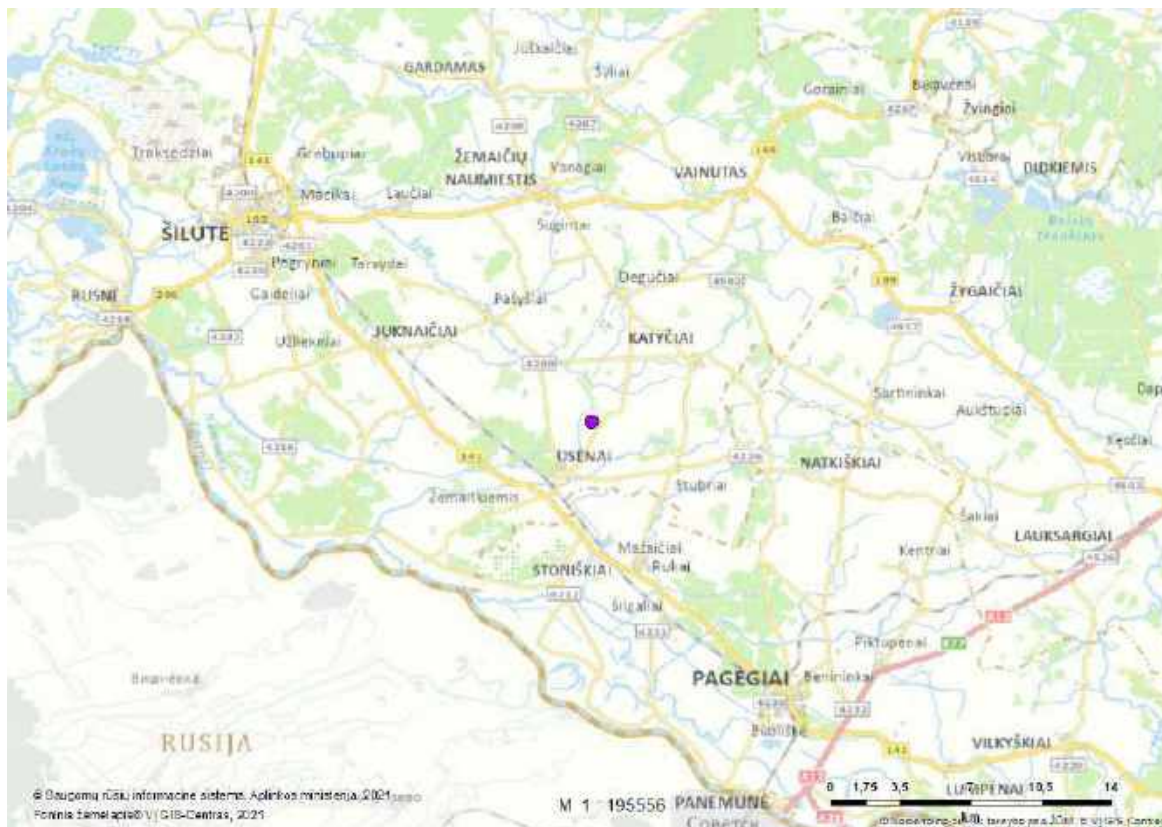
Taškas [353948,14 6129291,18]

37. RAD-MILMIL090089 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL090089
Rūšis (lietuviškas pavadinimas)	Rudasis peslys
Rūšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-09-29	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Taškas [356838,54 6127073,63]

38. RAD-MILMIL090075 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL090075
Rėšis (lietuviškas pavadinimas)	Rudasis peslys
Rėšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-02	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

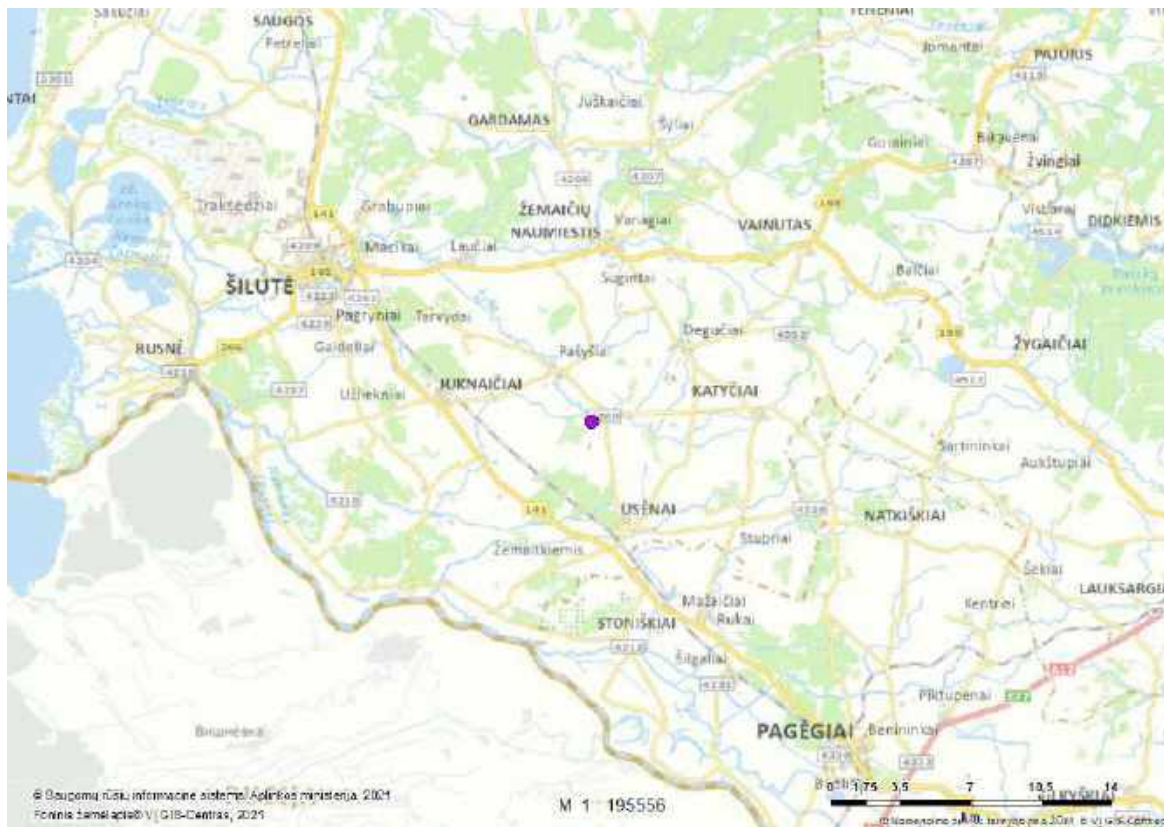
Poligonas [351252,43 6126687,27, 350008,89 6127077,53, 349717,85 6126270,55, 350465,30 6125754,61, 351252,43 6126687,27]

39. RAD-MILMIL090134 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL090134
Rūšis (lietuviškas pavadinimas)	Rudasis peslys
Rūšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-10	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

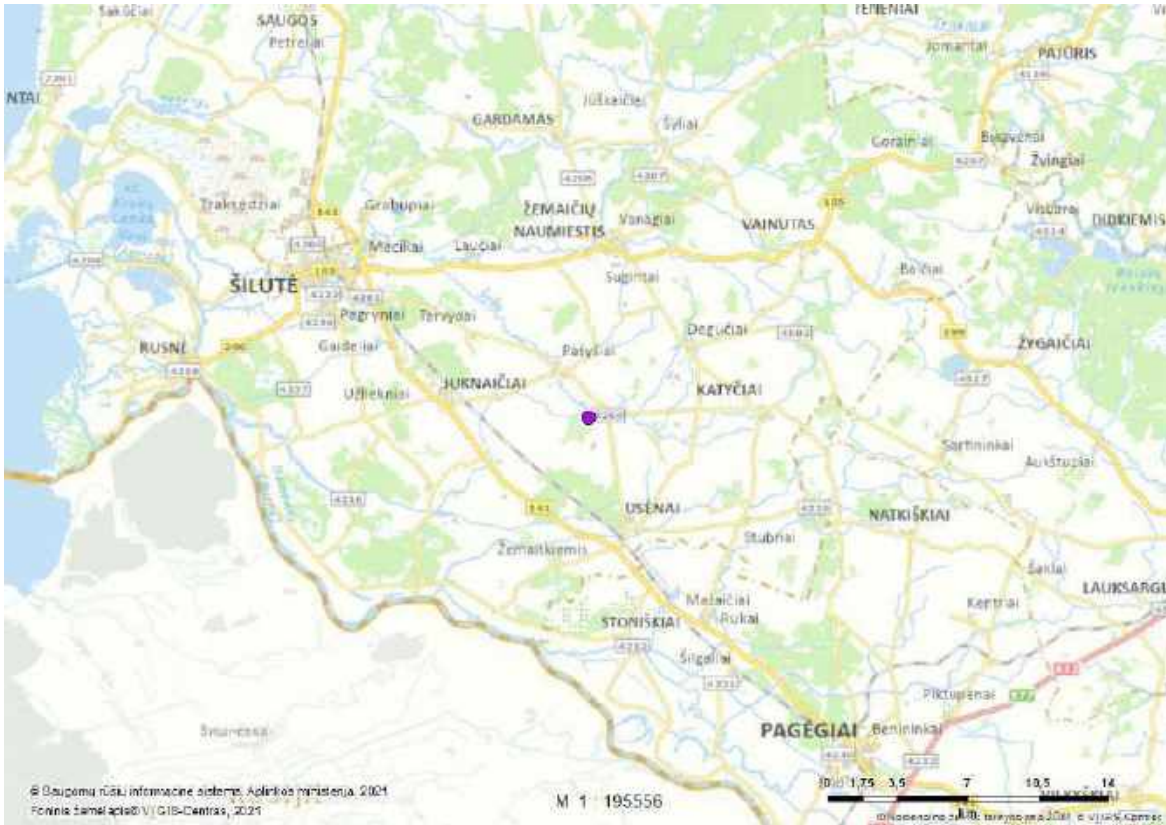
Taškas [353634,16 6129708,70]

40. RAD-MILMIL090135 (Rudasis peslys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-MILMIL090135
R ūšis (lietuviškas pavadinimas)	Rudasis peslys
R ūšis (lotyniškas pavadinimas)	Milvus milvus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-10-10	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

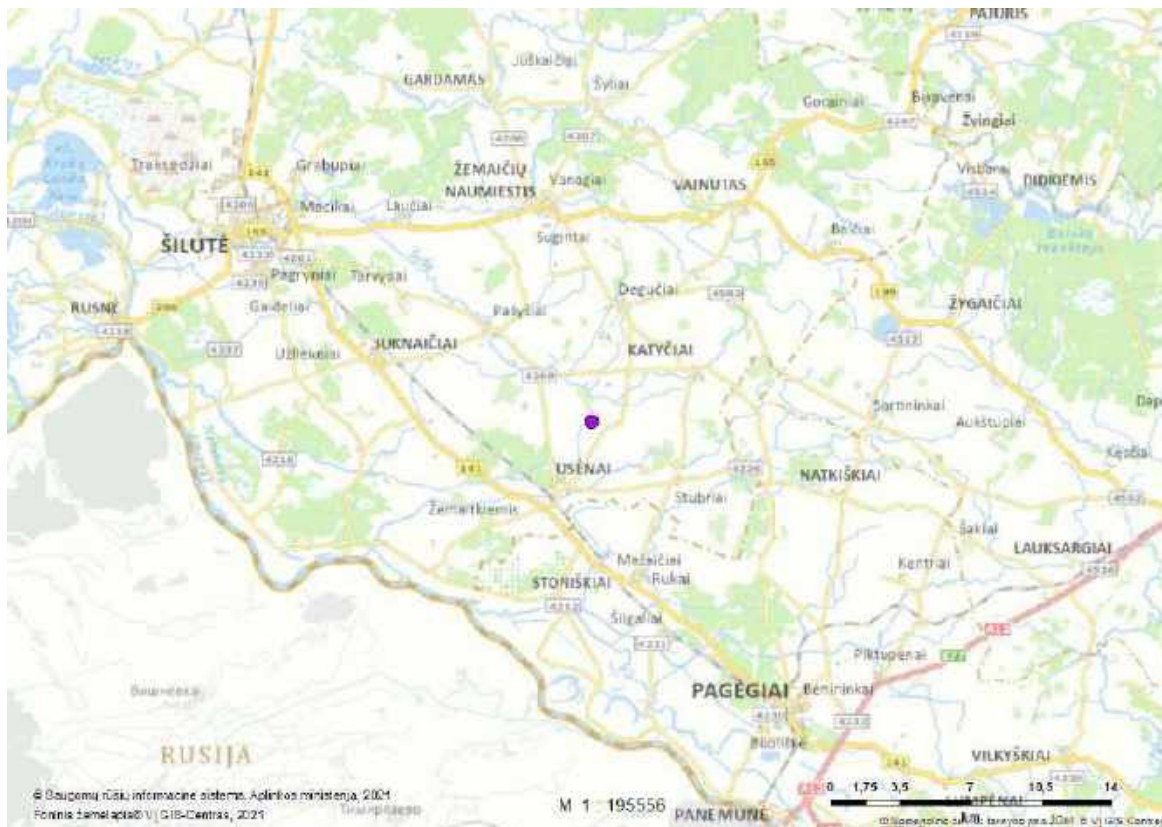
Taškas [353283,77 6129865,33]

41. RAD-EPTNIL072727 (Šiaurinis šikšnys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-EPTNIL072727
R šis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R šis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-06-19	Pirmas stebėjimas	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

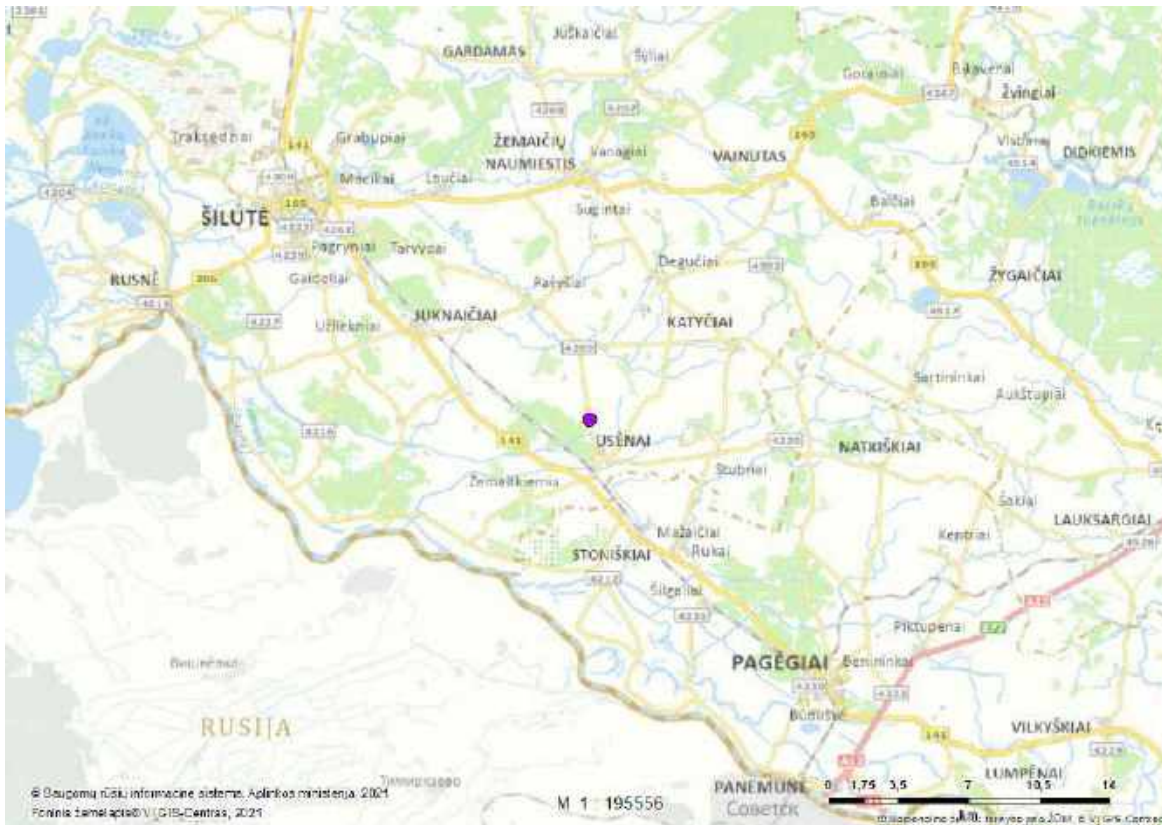
Taškas [356865,00 6127686,14]

42. RAD-EPTNIL072725 (Šiaurinis šikšnys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EPTNIL072725
R ūšis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R ūšis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-19	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinatės:

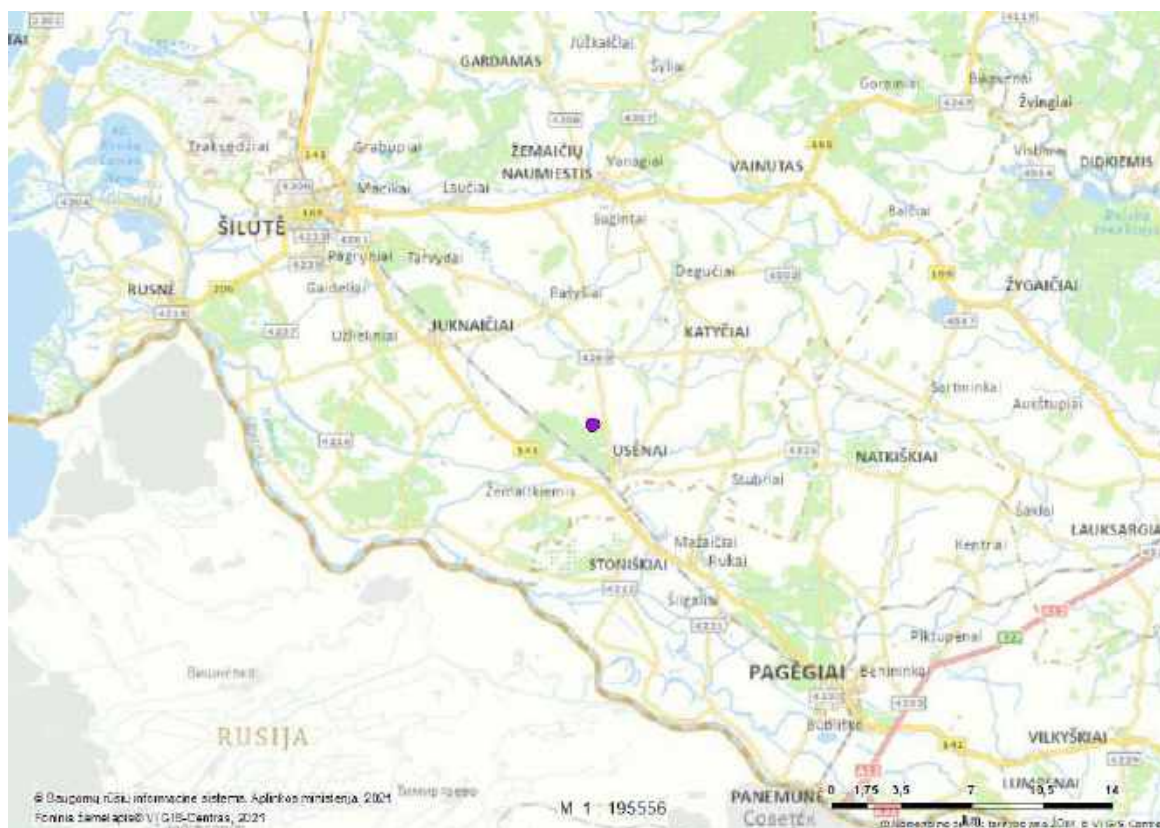
Taškas [354781,71 6126392,51]

43. RAD-EPTNIL072726 (Šiaurinis šikšnys)

Radavietis/augavietis duomenys:

Radavietis/augavietis kodas	RAD-EPTNIL072726
Rūšis (lietuviškas pavadinimas)	Šiaurinis šikšnys
Rūšis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radavietis/augavietis žemėlapis:



Radavietis/augavietis stebėjimo duomenys:

Stebėjimo data	Radavietis/stebėjimo sena	Vystymosi stadija	Veiklos požymiai
2015-06-19	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietis/augavietis koordinatės:

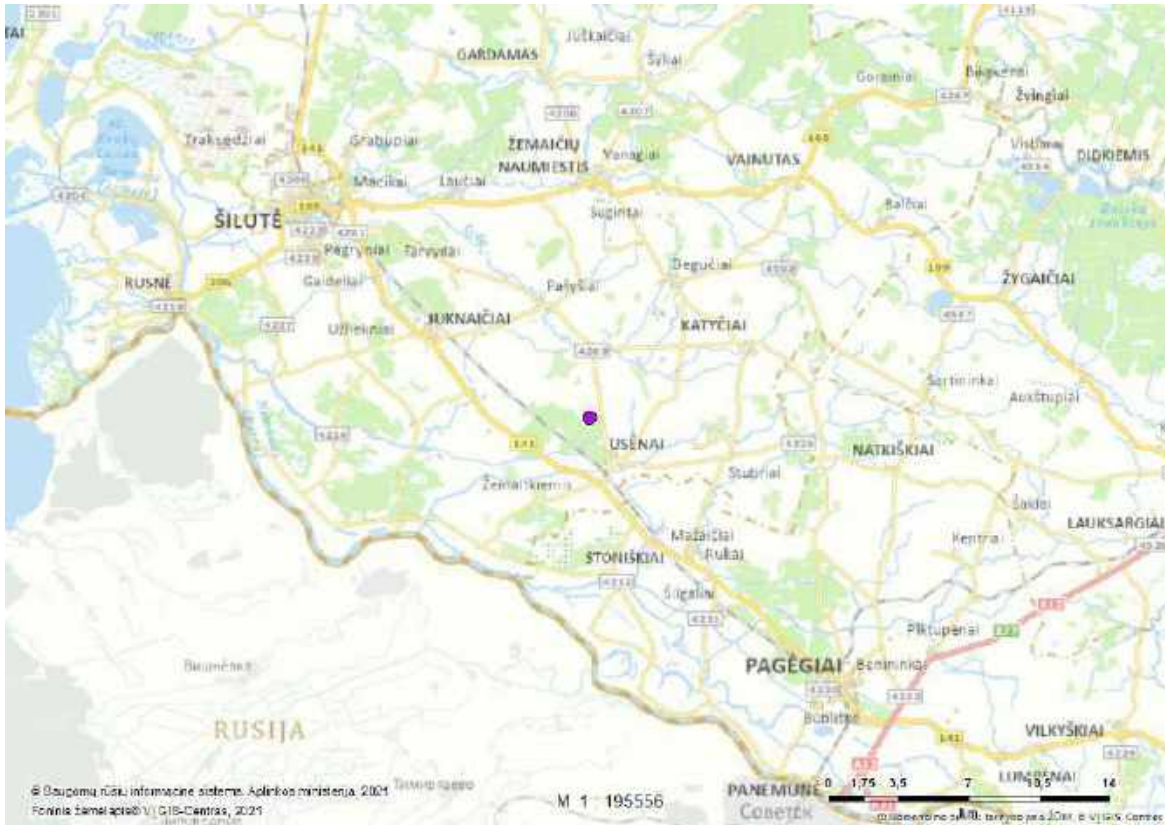
Taškas [354090,51 6126632,67]

44. RAD-EPTNIL072047 (Šiaurinis šikšnys)

Radavietis/augavietis duomenys:

Radavietis/augavietis kodas	RAD-EPTNIL072047
R šis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R šis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radavietis/augavietis žemėlapis:



Radavietis/augavietis stebėjimo duomenys:

Stebėjimo data	Radavietis/stebėjimo sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietis/augavietis koordinatės:

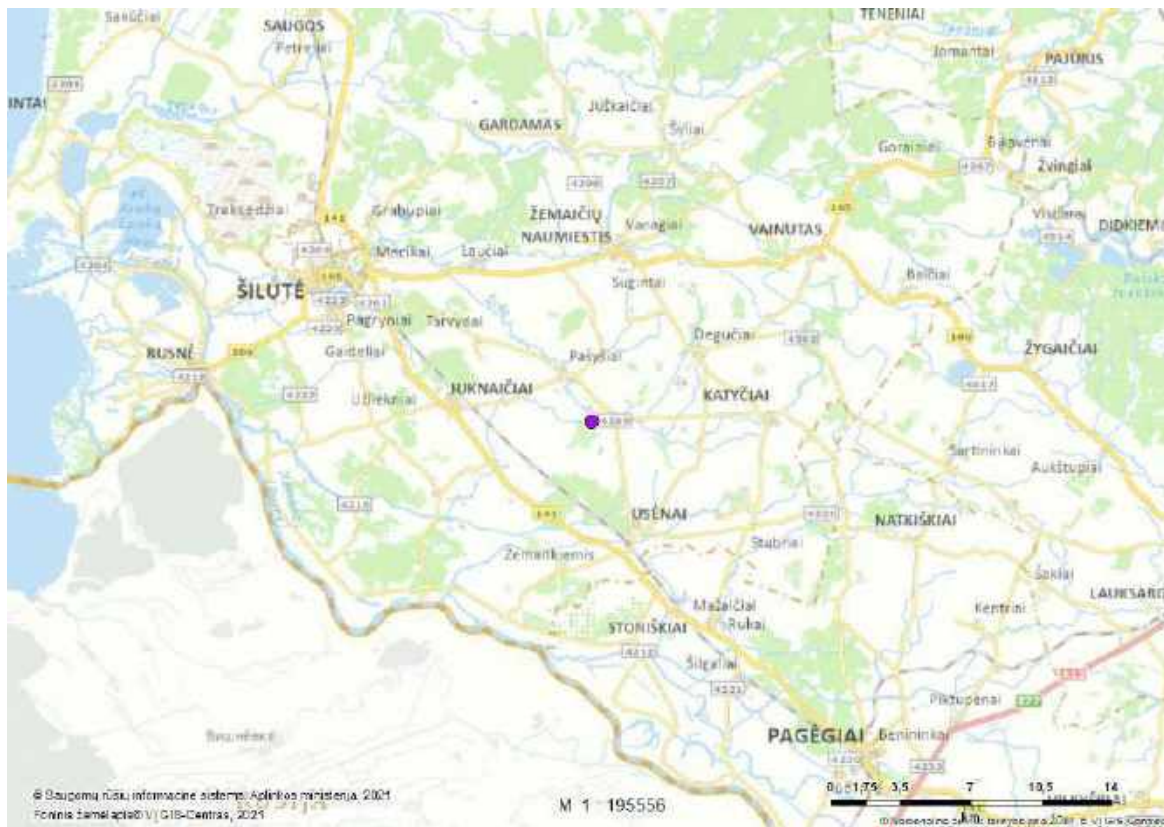
Taškas [354108,50 6126646,56]

45. RAD-EPTNIL071987 (Šiaurinis šikšnys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EPTNIL071987
R ūšis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R ūšis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinatės:

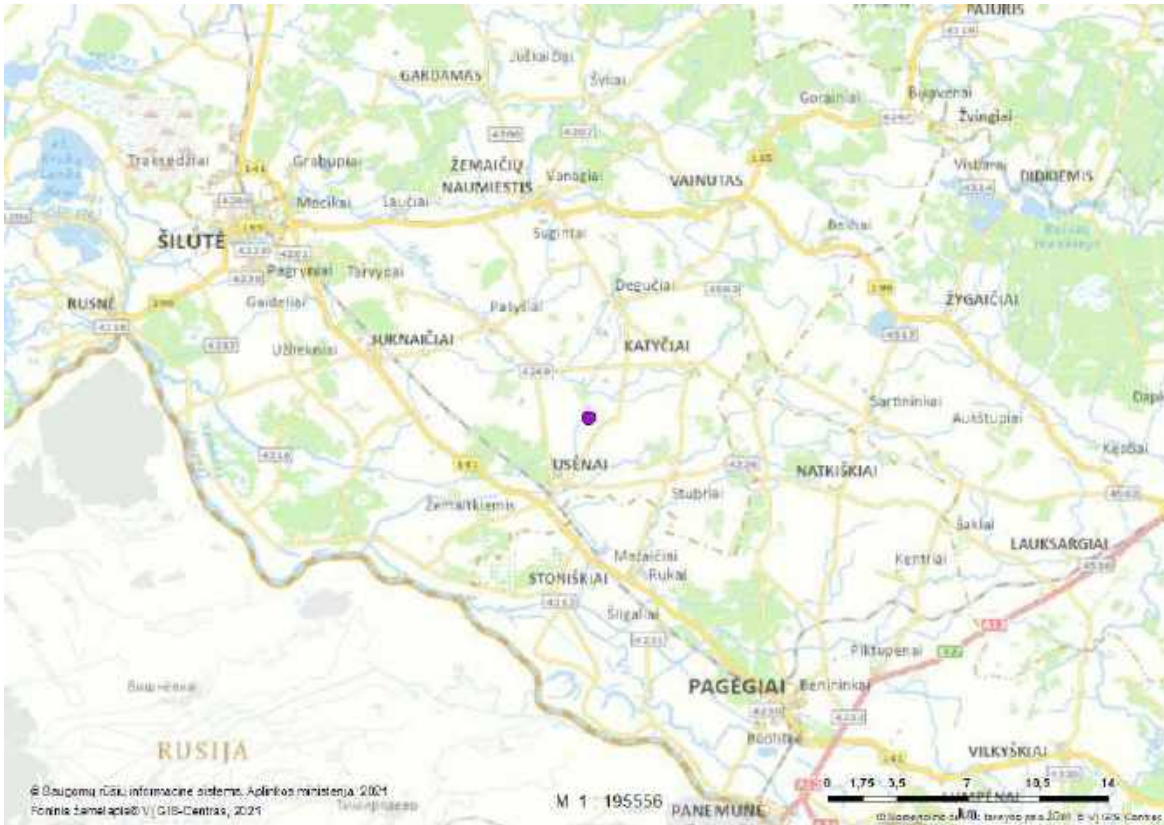
Taškas [353092,62 6129936,59]

46. RAD-EPTNIL072062 (Šiaurinis šikšnys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-EPTNIL072062
R šis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R šis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

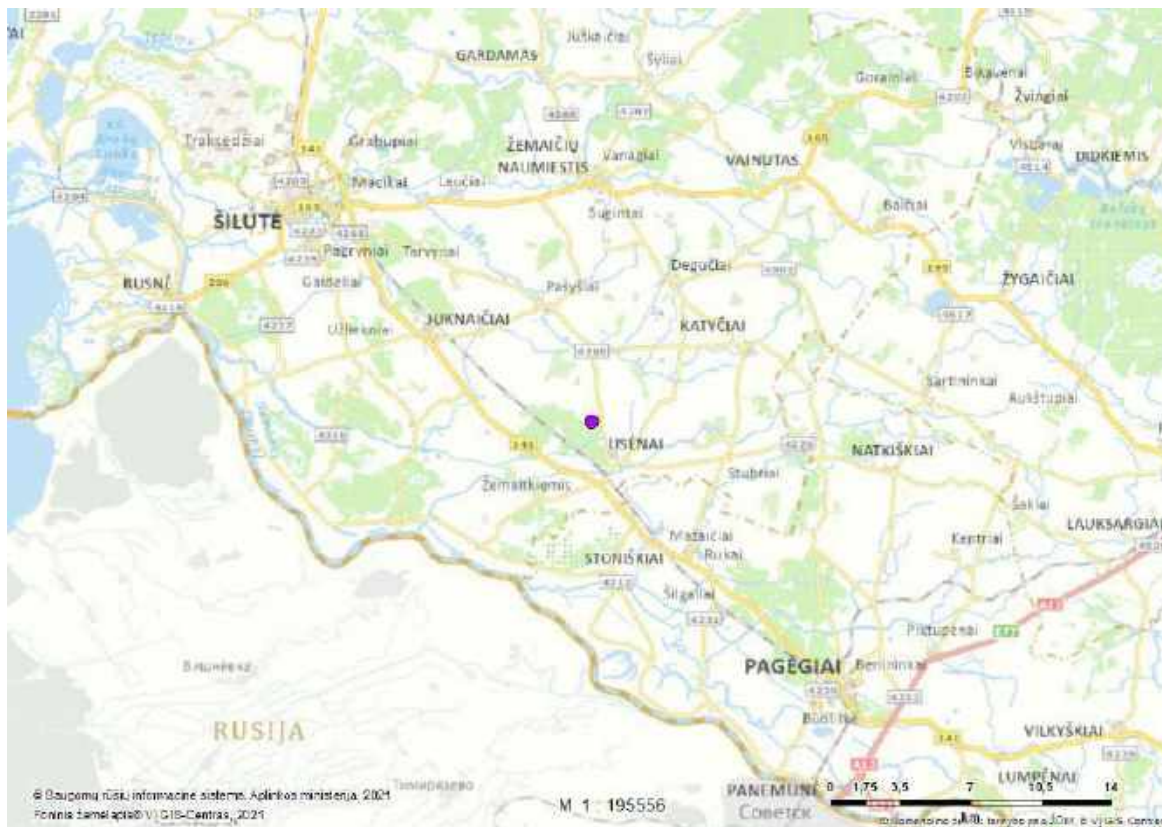
Taškas [356880,28 6127679,57]

47. RAD-EPTNIL072053 (Šiaurinis šikšnys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-EPTNIL072053
Rūšis (lietuviškas pavadinimas)	Šiaurinis šikšnys
Rūšis (lotyniškas pavadinimas)	Eptesicus nilssonii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b. sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

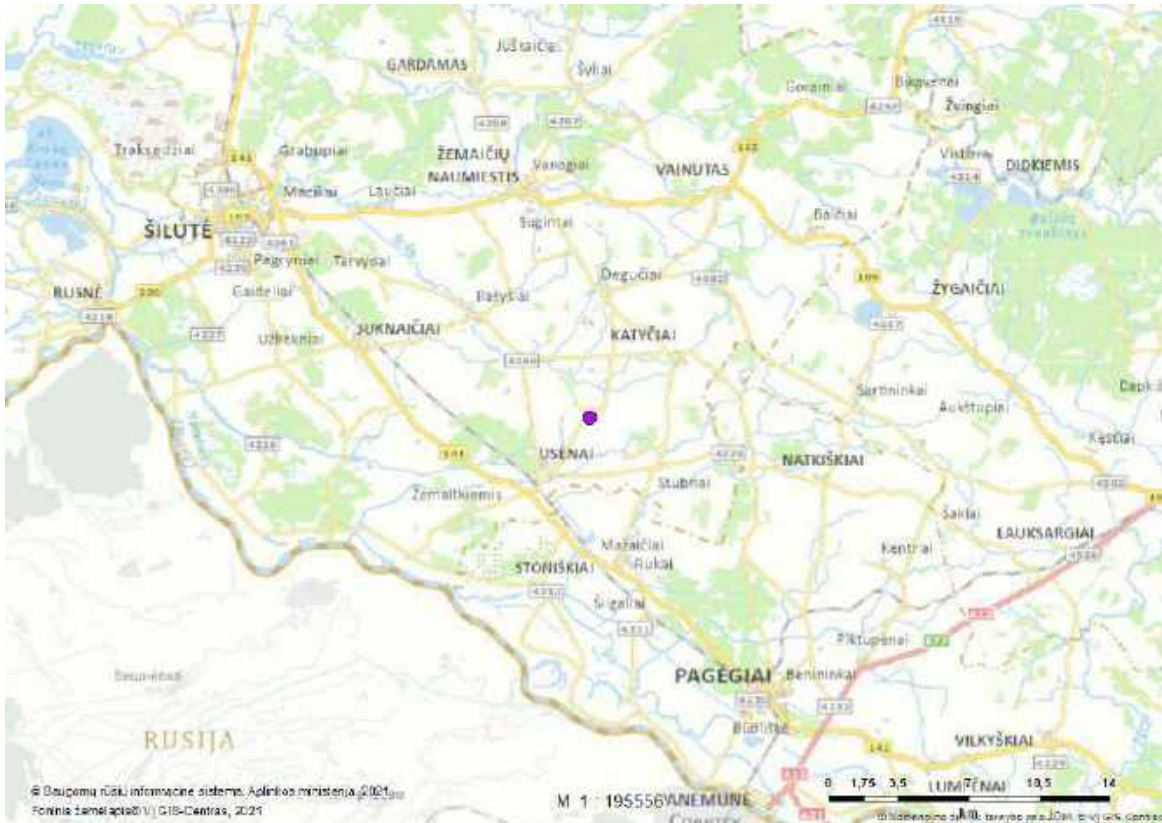
Taškas [354245,63 6126475,02]

48. RAD-EPTNIL072057 (Šiaurinis šikšnys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EPTNIL072057
R šis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R šis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

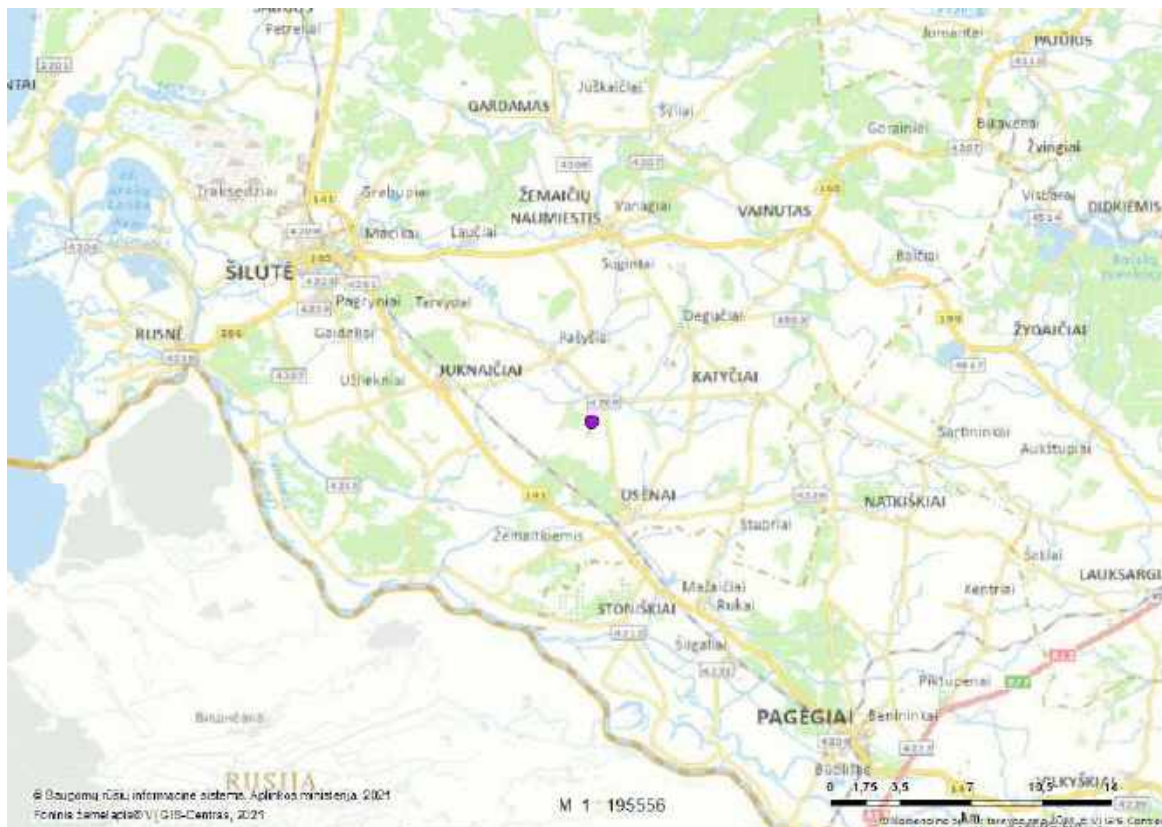
Taškas [357615,90 6127142,87]

49. RAD-EPTNIL071992 (Šiaurinis šikšnys)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-EPTNIL071992
Rūšis (lietuviškas pavadinimas)	Šiaurinis šikšnys
Rūšis (lotyniškas pavadinimas)	Eptesicus nilssonii

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas stebėjimas	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/aušavietės koordinatės:

Taškas [353633,95 6129005,09]

50. RAD-EPTNIL072026 (Šiaurinis šikšnys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EPTNIL072026
R šis (lietuviškas pavadinimas)	Šiaurinis šikšnys
R šis (lotyniškas pavadinimas)	Eptesicus nilssoni

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2015-06-20	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

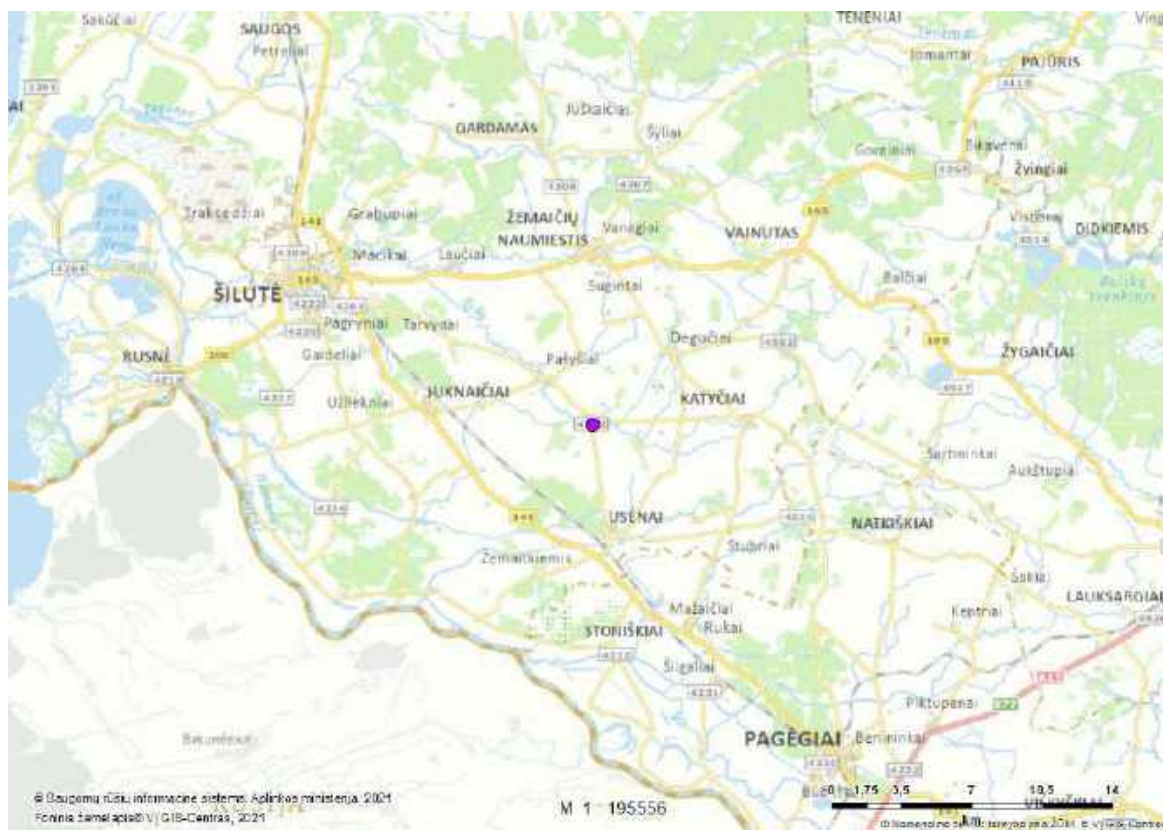
Poligonas [354146,14 6129543,61, 354110,65 6129564,49, 353998,49 6129514,50, 354000,31 6129488,82, 354146,14 6129543,61]

51. RAD-LUTLUT042371 (dra)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-LUTLUT042371
R ūšis (lietuviškas pavadinimas)	dra
R ūšis (lotyniškas pavadinimas)	Lutra lutra

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radavietis b sena	Vystymosi stadija	Veiklos požymiai
2008-07-15	[nėra duomenų]	stebėjimo veiklos požymiai	išmatos

Radaviet s/augaviet s koordinatės:

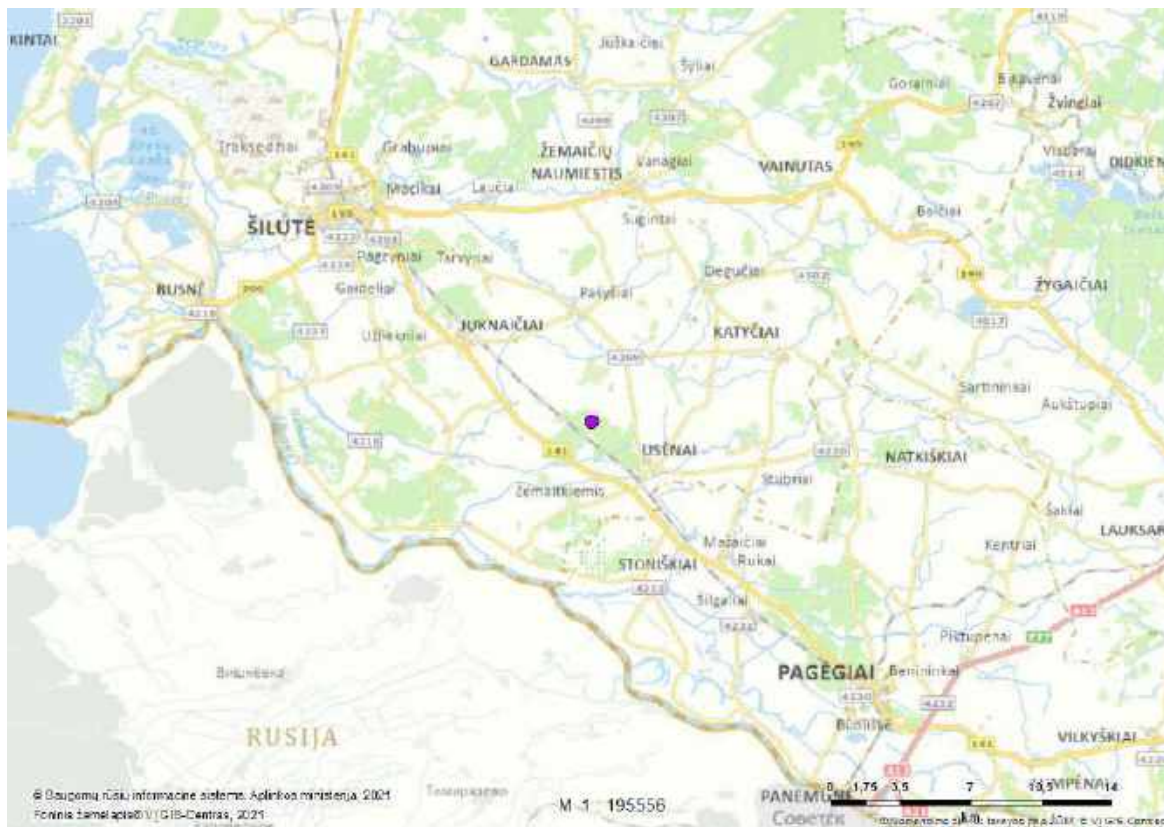
Taškas [354307,79 6129947,66]

52. AUG-PLACHL032976 (Žalsvažiedis blandis)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	AUG-PLACHL032976
Rūšis (lietuviškas pavadinimas)	Žalsvažiedis blandis
Rūšis (lotyniškas pavadinimas)	Platanthera chlorantha

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būklė	Vystymosi stadija	Veiklos požymiai
2010-08-22	Pirmas stebėjimas	žydintis augalas	[nėra duomenų]

Radavietės/augavietės koordinatės:

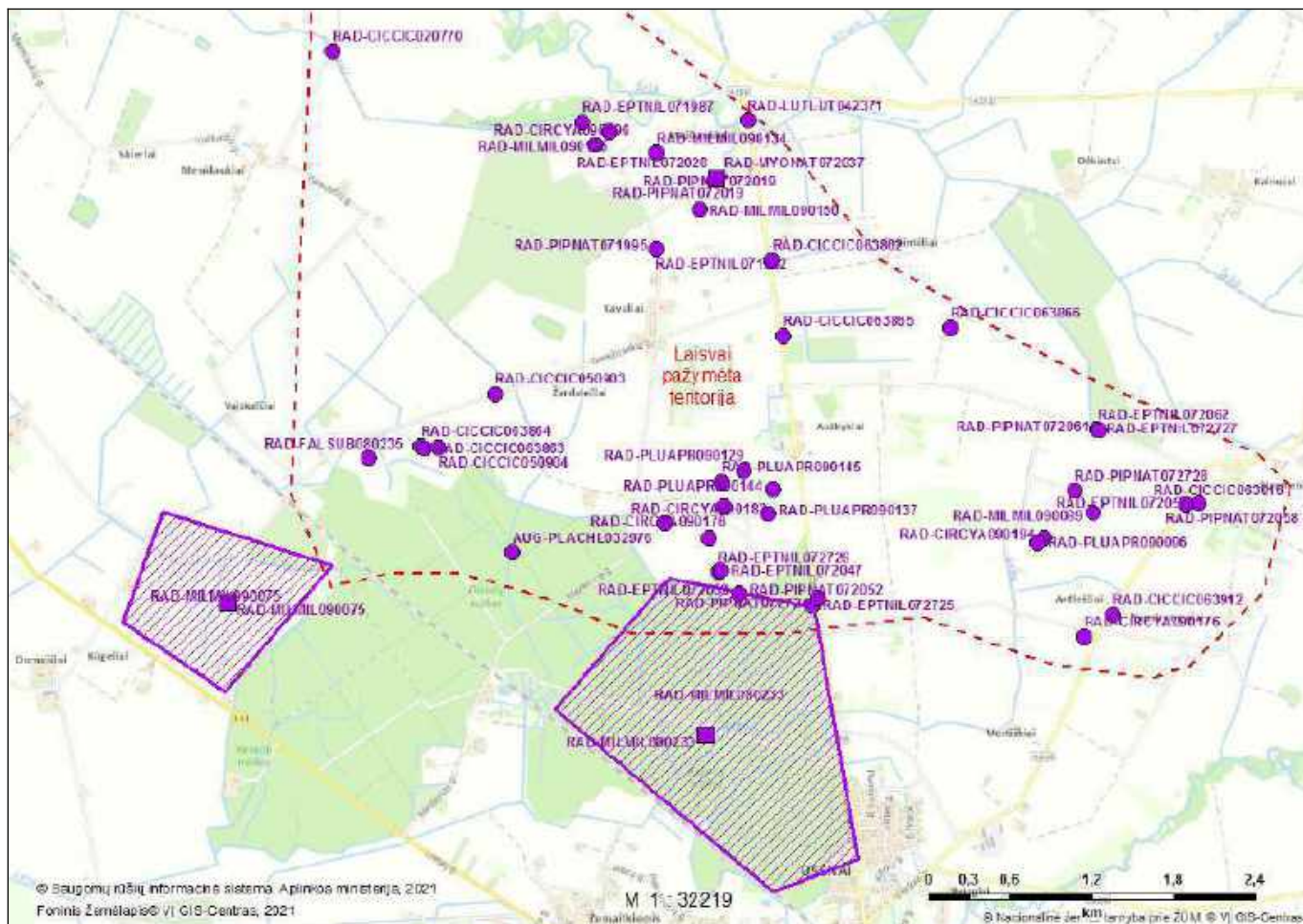
Taškas [352578,00 6126779,00]

Išrašo santrauka

Prašyta teritorija: Laisvai pažymėta teritorija

Prašytos rūšys: Visos rūšys

Teritorijoje aptinkamų prašyt saugomųjų teritorijų radaviečių ir augaviečių apžvalginis žemėlapis:



Išrašė pateikiam teritorijoje aptinkamų prašyt saugomųjų teritorijų radaviečių ir augaviečių sąrašas:

Eil. nr.	Rūšis (lietuviškas pavadinimas)	Rūšis (lotyniškas pavadinimas)	Radaviečių kodas	Paskutinio stebėjimo data
1.	Aukštoji gegužė	<i>Dactylorhiza fuchsii</i>	AUG-DACFUC028556	2010-08-22
2.	Aukštoji gegužė	<i>Dactylorhiza fuchsii</i>	AUG-DACFUC014202	2010-08-23
3.	Aukštoji gegužė	<i>Dactylorhiza fuchsii</i>	AUG-DACFUC011839	2014-06-02
4.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC050903	2009-09-16
5.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063864	2009-09-16
6.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC050904	2009-09-16
7.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063915	2009-09-16
8.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063862	2009-09-16
9.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063863	2009-09-16
10.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063912	2009-09-16
11.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063865	2009-09-16

Eil. nr.	Rūšis (lietuviškas pavadinimas)	Rūšis (lotyniškas pavadinimas)	Radavieties kodas	Paskutinio stebėjimo data
12.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063866	2009-09-16
13.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020770	2010-07-30
14.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090129	2016-09-29
15.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090096	2016-09-29
16.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090144	2016-09-29
17.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090136	2016-10-04
18.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090145	2016-10-22
19.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090137	2016-10-25
20.	Eurazinis sketsakalis	<i>Falco subbuteo</i>	RAD-FALSUB080235	2014-06-02
21.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA090183	2016-09-26
22.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA090176	2016-09-29
23.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA090178	2016-10-12
24.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA090196	2016-10-13
25.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA090194	2016-10-23
26.	Natererio pel ausis	<i>Myotis nattereri</i>	RAD-MYONAT072037	2015-06-20
27.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072724	2015-06-19
28.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072728	2015-06-19
29.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT071995	2015-06-20
30.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072061	2015-06-20
31.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072019	2015-06-20
32.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072058	2015-06-20
33.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072052	2015-06-20
34.	Plunksnin pliusn	<i>Neckera pennata</i>	AUG-NECPEN018363	2010-08-30
35.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL080233	2014-06-02
36.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090150	2016-09-27
37.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090089	2016-09-29
38.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090075	2016-10-02
39.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090134	2016-10-10
40.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090135	2016-10-10
41.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072727	2015-06-19
42.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072725	2015-06-19
43.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072726	2015-06-19
44.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072047	2015-06-20
45.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL071987	2015-06-20
46.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072062	2015-06-20

Eil. nr.	Rūšis (lietuviškas pavadinimas)	Rūšis (lotyniškas pavadinimas)	Radavieties kodas	Paskutinio stebėjimo data
47.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072053	2015-06-20
48.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072057	2015-06-20
49.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL071992	2015-06-20
50.	Šiaurinis šikšnys	<i>Eptesicus nilssoni</i>	RAD-EPTNIL072026	2015-06-20
51.	dra	<i>Lutra lutra</i>	RAD-LUTLUT042371	2008-07-15
52.	Žalsvažiedis blandis	<i>Platanthera chlorantha</i>	AUG-PLACHL032976	2010-08-22



IŠRAŠAS

IŠ SAUGOMŲ TERITORIJŲ INFORMACINĖS SISTEMOS

Nr. SRIS-2021-14869107

Išrašo suformavimo data: 2021-03-05 14:39:15

Prašymo numeris	SRIS-2021-14869107
Prašymo data	2021-03-02
Išrašo gavimo tikslas	Aštuoni vėjo elektrinių (Šilutės raj. sav. Ušniriai, Juknaičiai sen.: Kavoli, Stremeni, Kėgeli, Okslindžiai, Skieri bei Menklauki kaimuose) statybos ir eksploatacijos, informacija atrankai dėl poveikio aplinkai vertinimo. Kita dalis rengiamos VJ parko PAV atrankos ataskaitos. Vienos dalies išrašą jau gavau.

Prašyta teritorija: Laisvai pažymėta teritorija

Prašytos rėšys: Visos rėšys

Išraš suformavo: *Saugomų teritorijų informacinė sistema*

Išraš pateikiama situacija iki: 2021-02-03

DĖMESIO! Išrašė esančius duomenis, kuriuose yra tikslios saugomų gyvūnų, augalų ir gyvūnų rėšių radaviečių ar augaviečių koordinatės, galima naudoti tik nurodytais tikslais, neatskleisti jokiems asmenims, jei tai galėtų sukelti grėsmę saugomų teritorijų išlikimui.

Kituose puslapiuose pateikiami detalūs prašytoje teritorijoje aptinkamų saugomų rūšių radaviečių ir augaviečių bei jų stebėjimų duomenys:

1/39

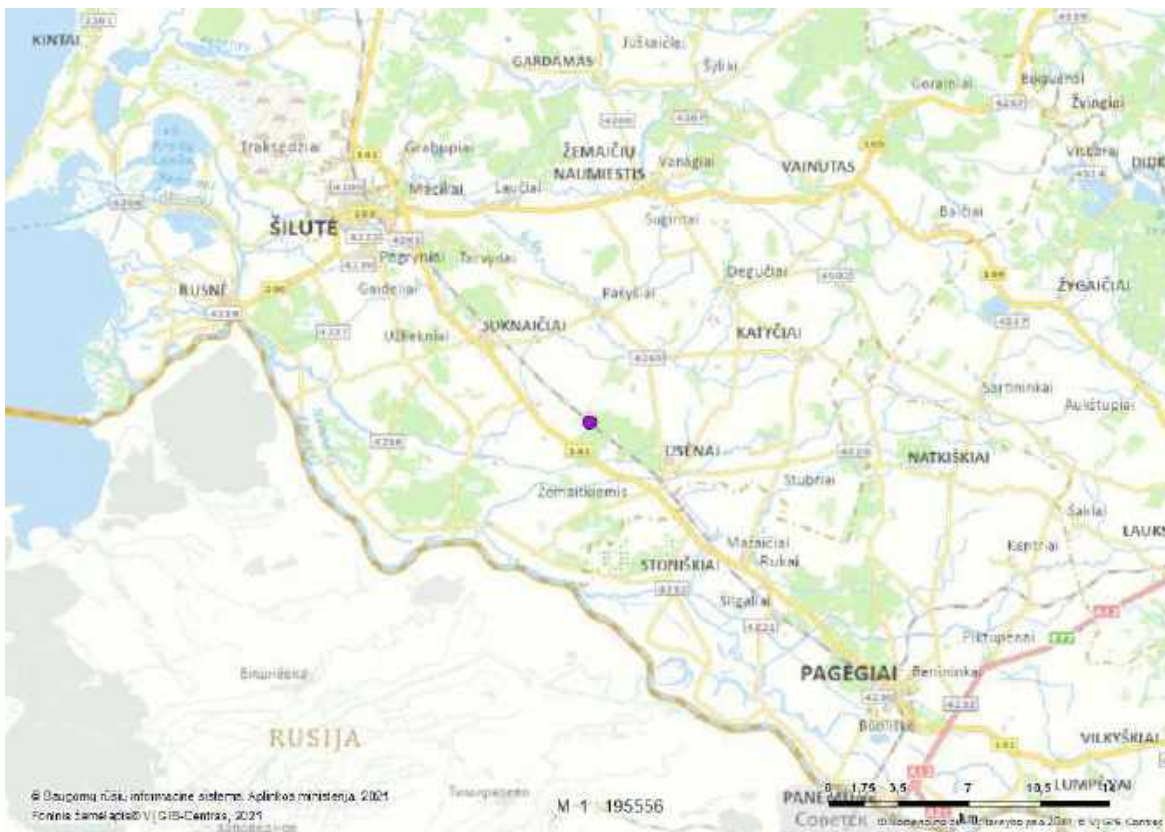
Išrašas iš Saugomų rūšių informacinės sistemos
Nr. SRIS-2021-14869107

1. AUG-DACFUC011839 (Aukštoji gegūnė)

Radaviečių/augaviečių duomenys:

Radaviečių/augaviečių kodas	AUG-DACFUC011839
Rūšis (lietuviškas pavadinimas)	Aukštoji gegūnė
Rūšis (lotyniškas pavadinimas)	Dactylorhiza fuchsii

Radaviečių/augaviečių žemėlapis:



Radaviečių/augaviečių stebėjimų duomenys:

Stebėjimo data	Radaviečių būsena	Vystymosi stadija	Veiklos požymiai
2014-06-02	Pirmas stebėjimas	daigas/vegetuojantis augalas	[nėra duomenų]

Radaviečių/augaviečių koordinatės:

Taškas [351346,00 6126783,00]

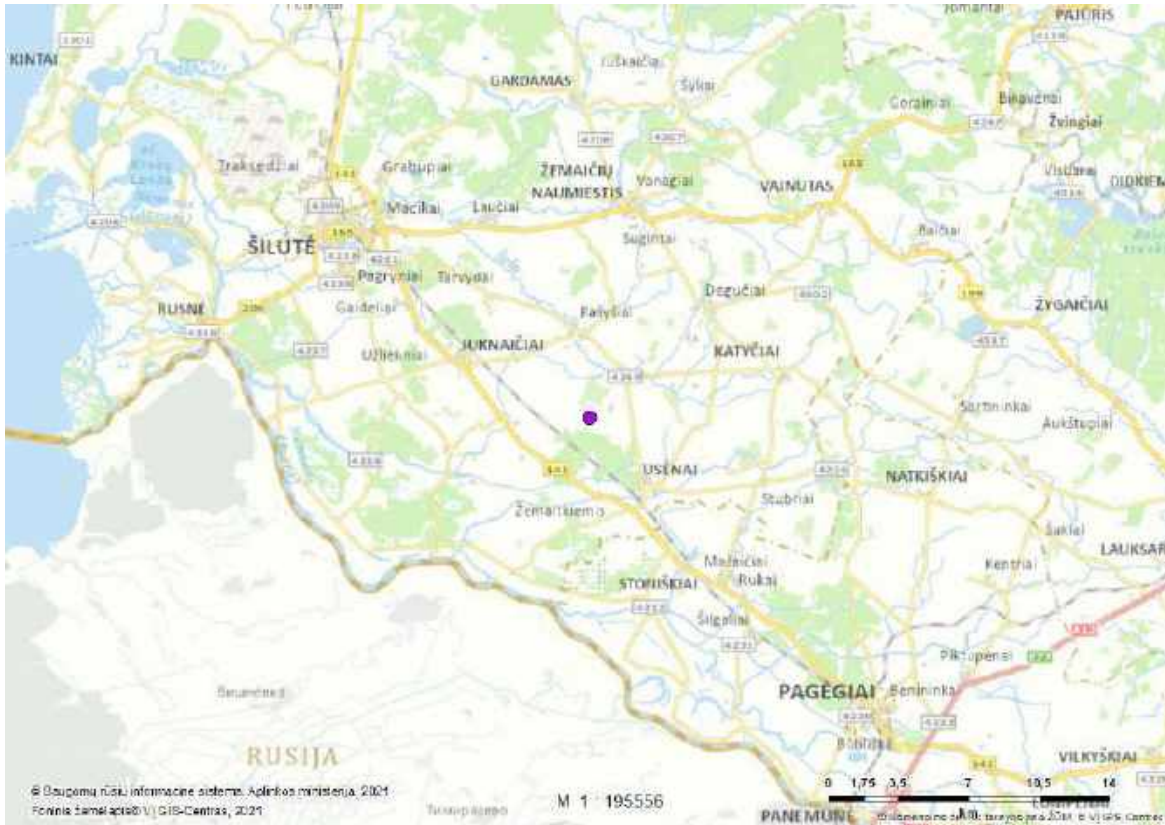
2/39

2. RAD-CICCIC050903 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC050903
R ūis (lietuviškas pavadinimas)	Baltasis gandras
R ūis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas steb jimas	jaunas, nesubrend s individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinat s:

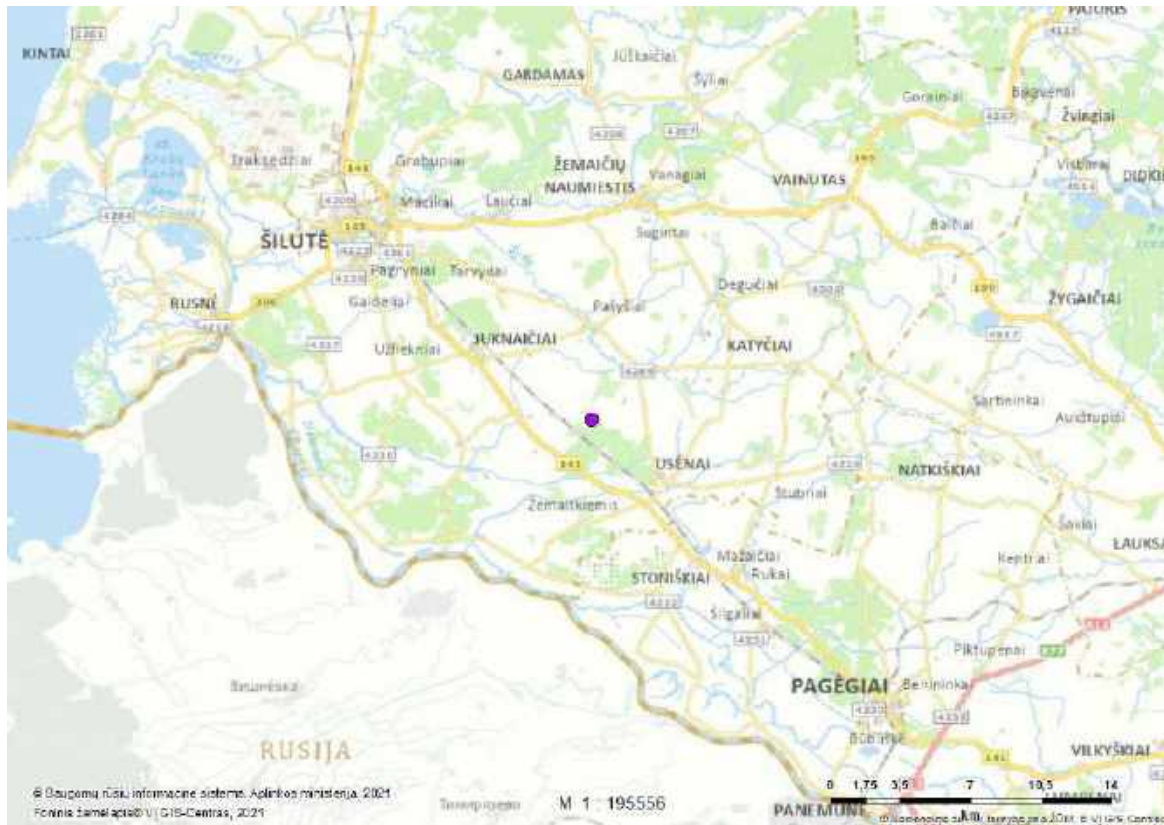
Taškas [352449,00 6127943,00]

3. RAD-CICCIC063864 (Baltasis gandrai)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC063864
R ūis (lietuviškas pavadinimas)	Baltasis gandrai
R ūis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugusių individai	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

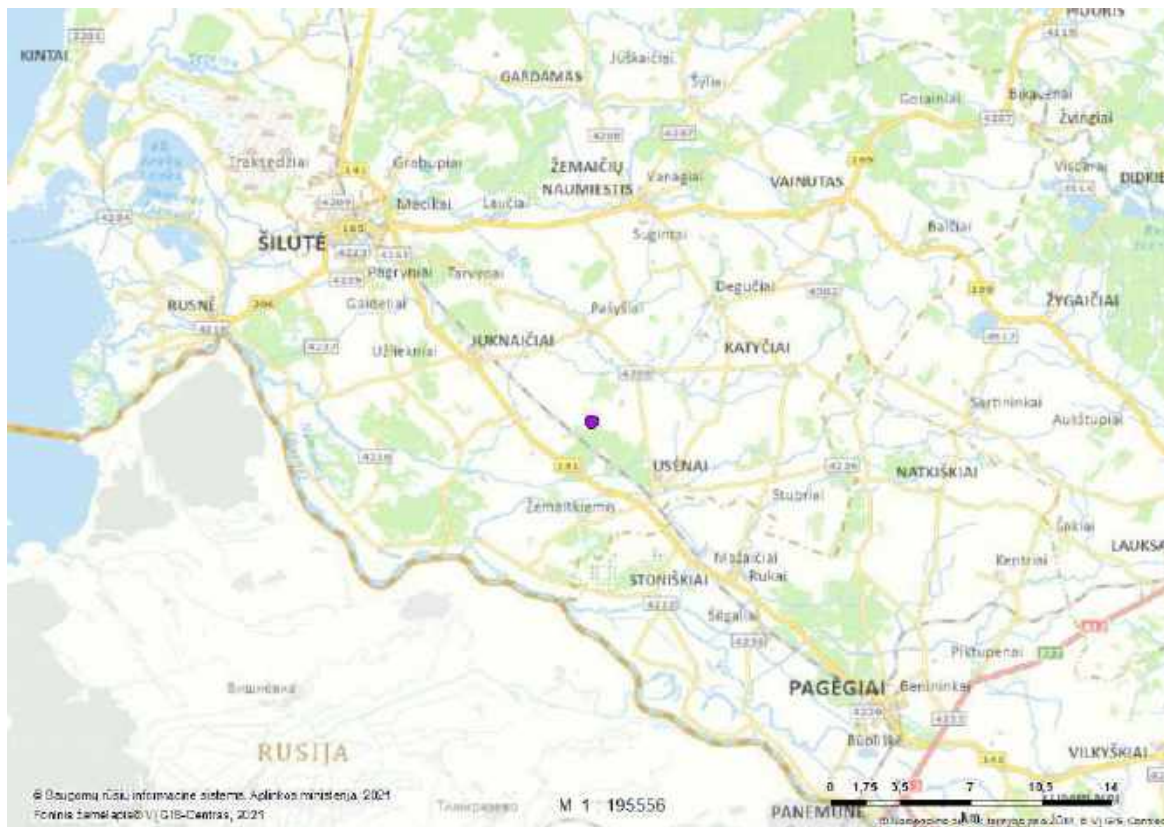
Taškas [351910,00 6127556,00]

4. RAD-CICCIC050904 (Baltasis gandrai)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC050904
R ūis (lietuviškas pavadinimas)	Baltasis gandrai
R ūis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

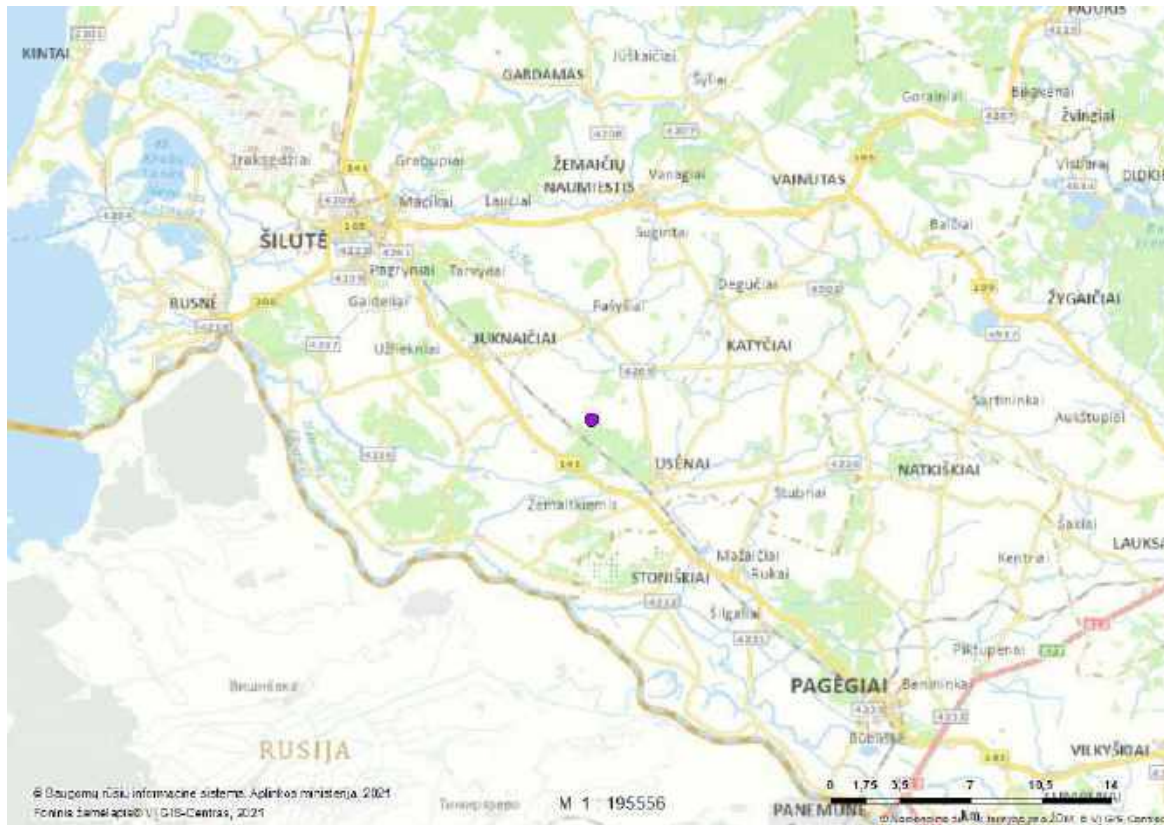
Taškas [352031,00 6127552,00]

5. RAD-CICCIC063863 (Baltasis gandrai)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CICCIC063863
Rūšis (lietuviškas pavadinimas)	Baltasis gandrai
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2009-09-16	Pirmas stebėjimas	suaugęs individas	lizdas, ola ir pan.

Radavietės/augavietės koordinatės:

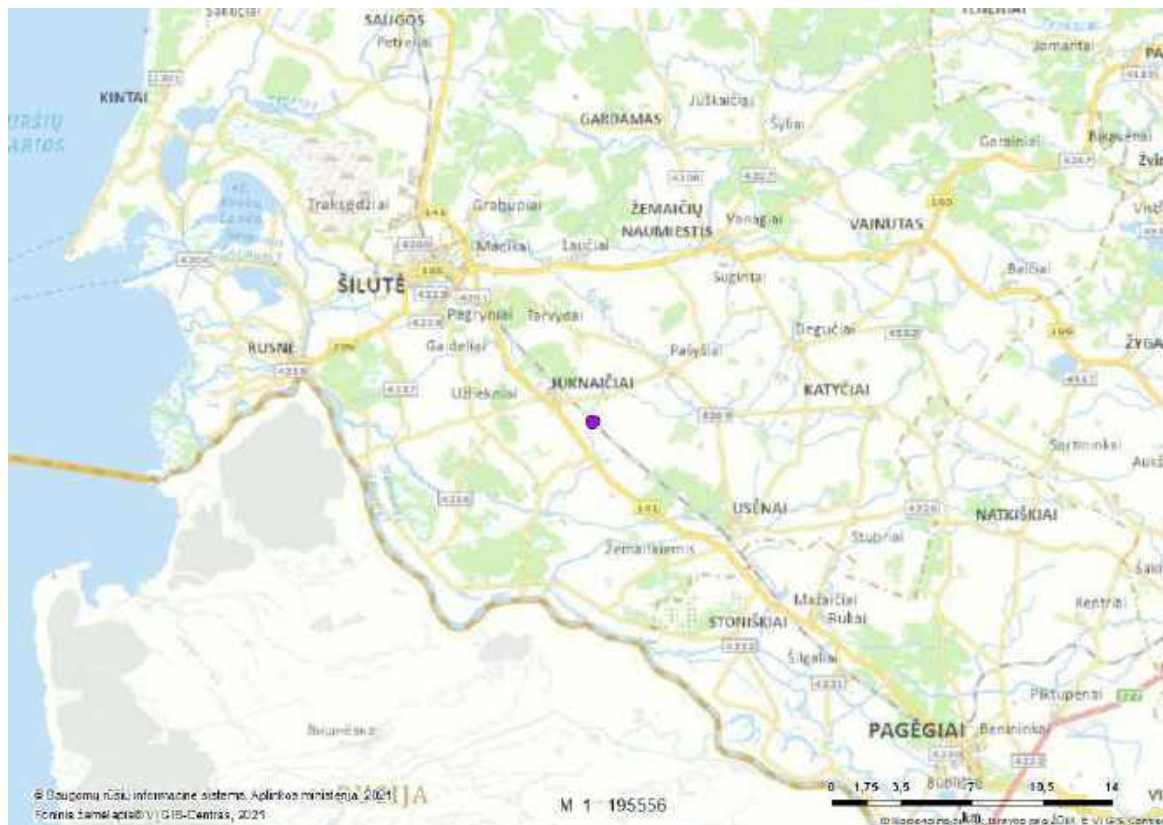
Taškas [351936,00 6127543,00]

6. RAD-CICCIC070487 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC070487
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	suaugusių individų	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

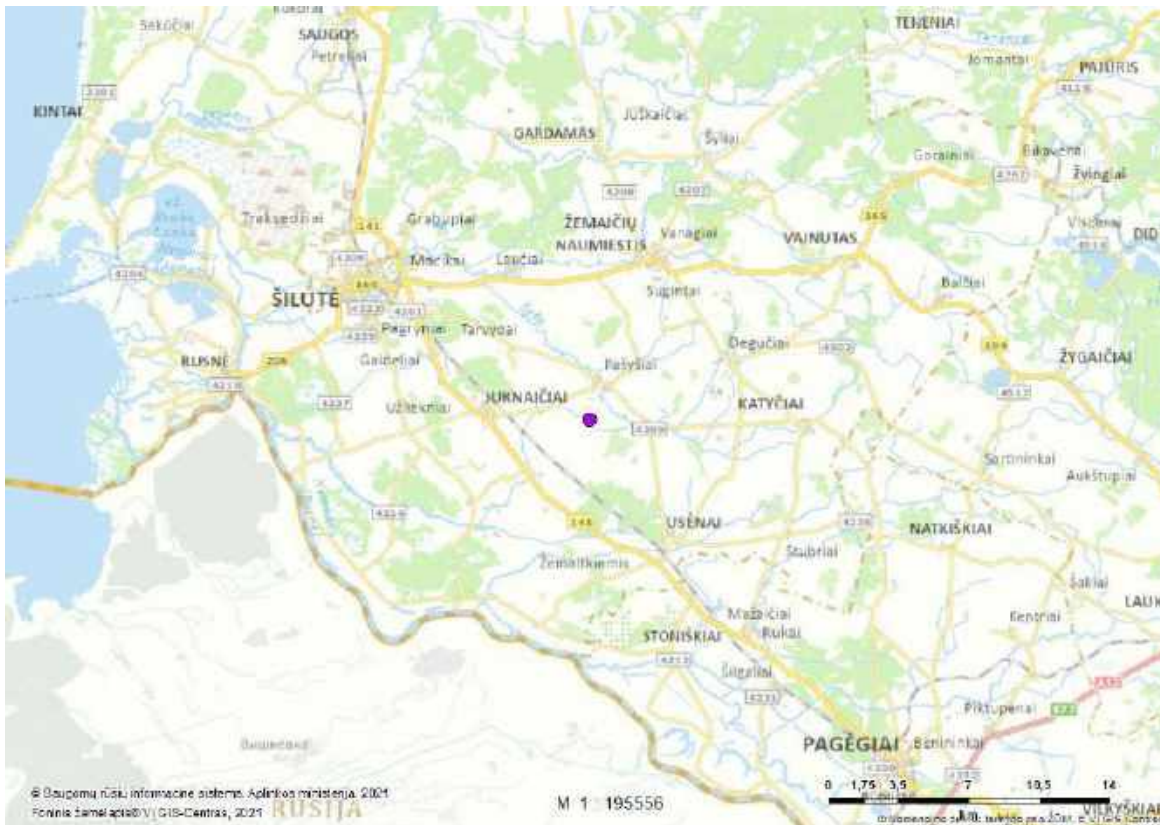
Taškas [348121,00 6129659,00]

7. RAD-CICCIC020770 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020770
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

Taškas [351260,00 6130454,00]

8. RAD-CICCIC020751 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020751
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

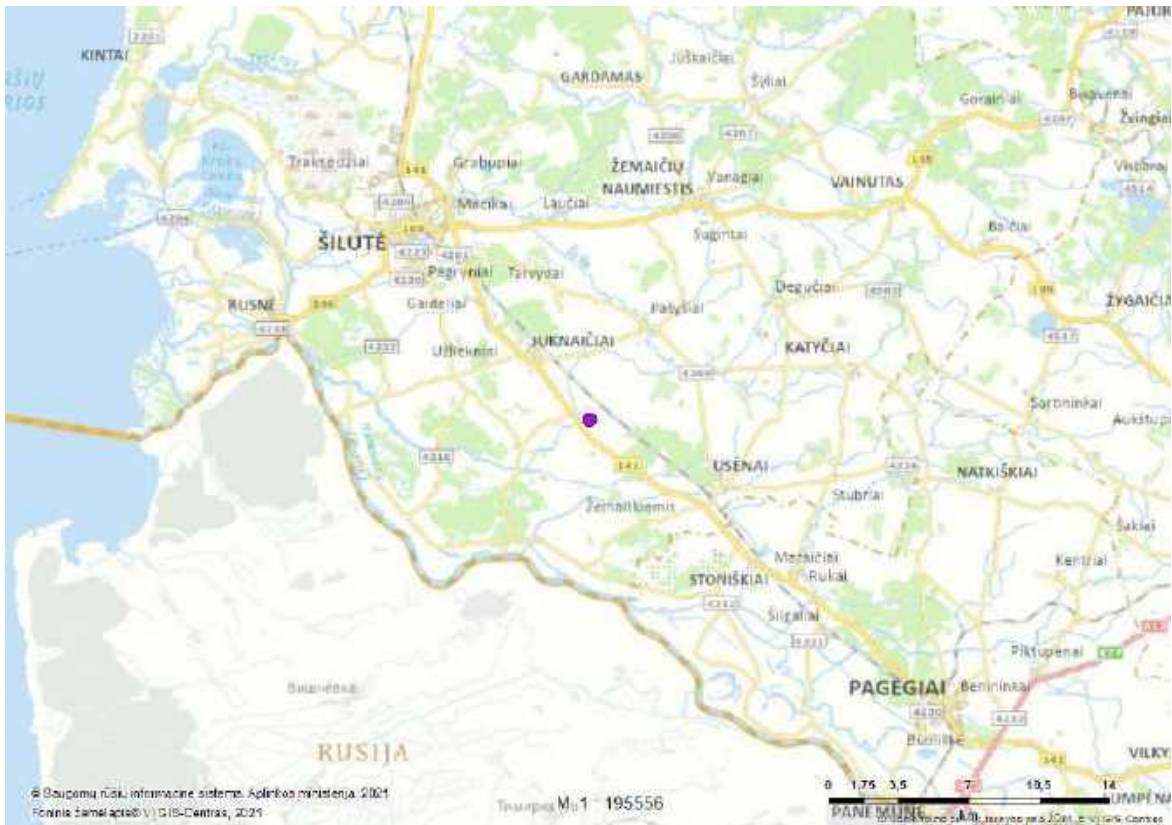
Taškas [347917,00 6130767,00]

9. RAD-CICCIC020748 (Baltasis gandrai)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020748
R ūis (lietuviškas pavadinimas)	Baltasis gandrai
R ūis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

Taškas [348934,00 6127644,00]

10. RAD-CICCIC020768 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020768
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

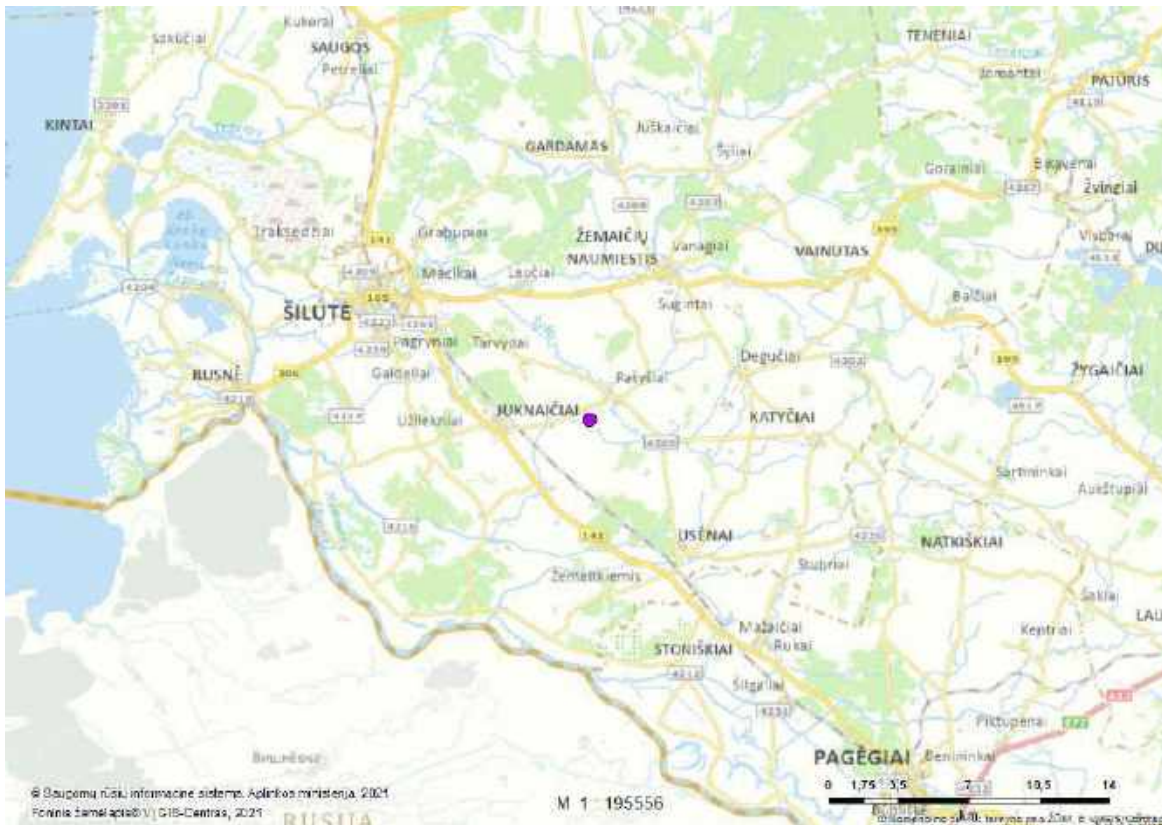
Taškas [350877,00 6129630,00]

11. RAD-CICCIC020773 (Baltasis gandras)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CICCIC020773
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radavietės/augavietės koordinatės:

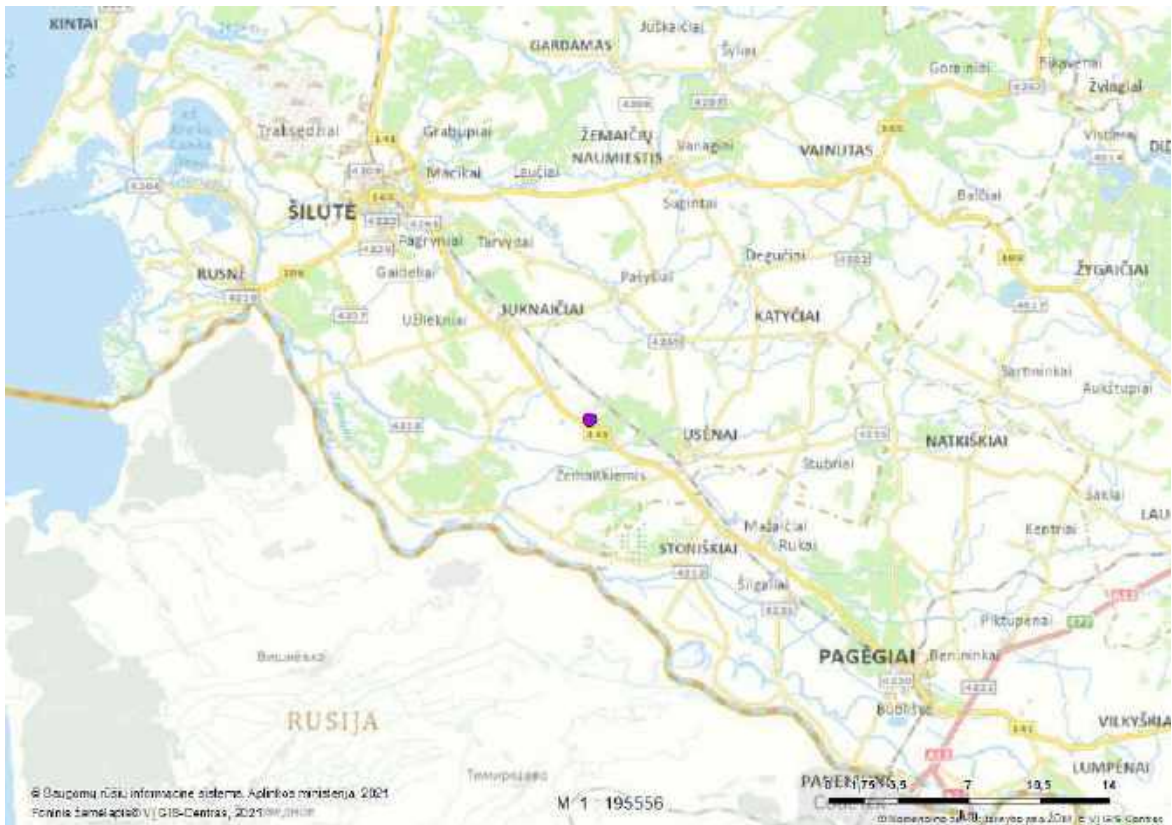
Taškas [350690,00 6131113,00]

12. RAD-CICCIC020747 (Baltasis gandrai)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020747
R ūšis (lietuviškas pavadinimas)	Baltasis gandrai
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

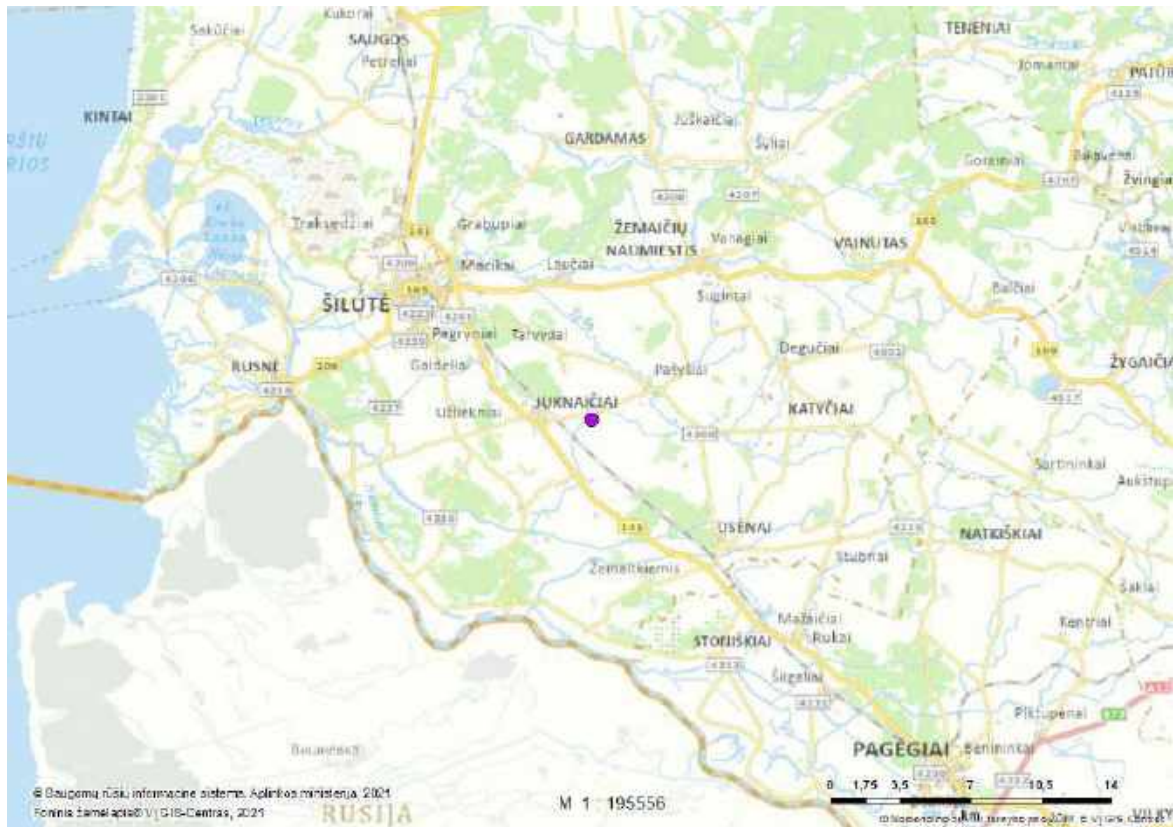
Taškas [350448,00 6126097,00]

13. RAD-CICCIC020758 (Baltasis gandras)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CICCIC020758
Rūšis (lietuviškas pavadinimas)	Baltasis gandras
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radavietės/augavietės koordinatės:

Taškas [348847,00 6130710,00]

14. RAD-CICCIC020766 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020766
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

Taškas [349738,00 6129773,00]

15. RAD-CICCIC020750 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020750
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas steb jimas	jaunas, nesubrend s individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinat s:

Taškas [347729,00 6130741,00]

16. RAD-CICCIC020753 (Baltasis gandras)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CICCIC020753
R ūšis (lietuviškas pavadinimas)	Baltasis gandras
R ūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radaviet s/augaviet s koordinatės:

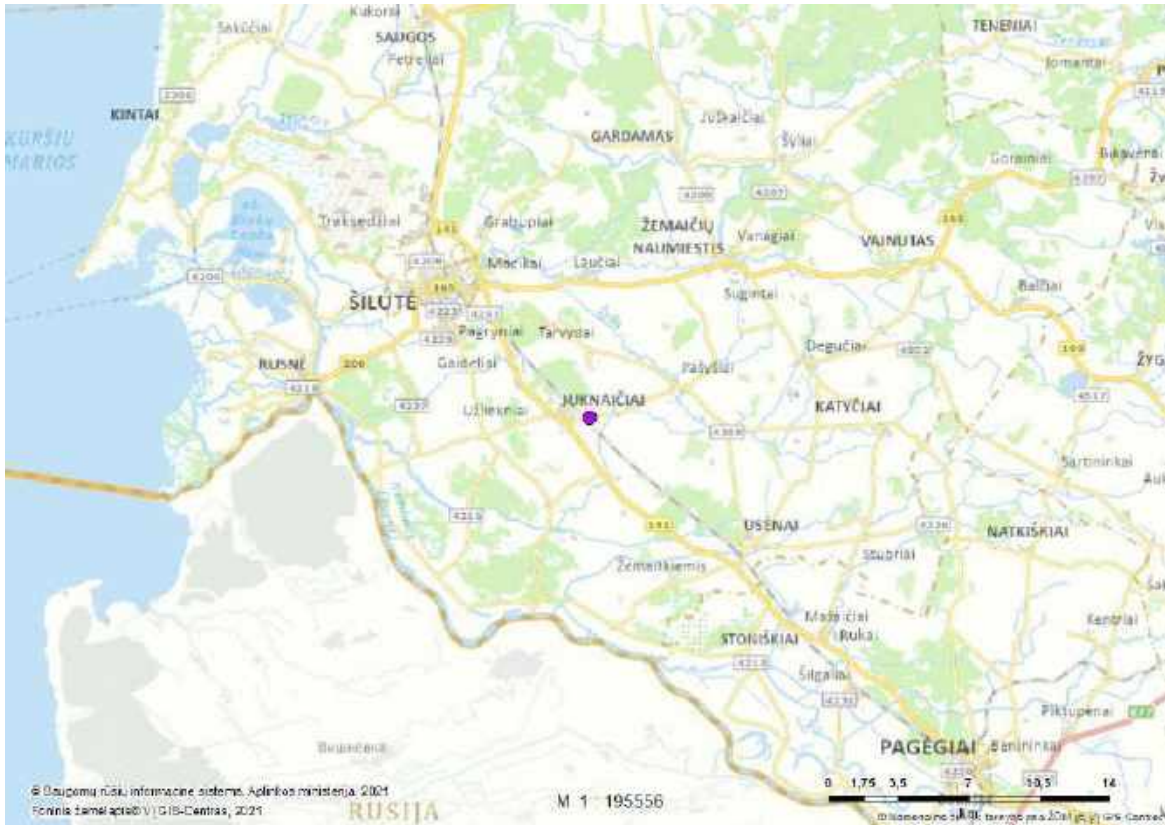
Taškas [348279,00 6130755,00]

17. RAD-CICCIC020749 (Baltasis gandras)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CICCIC020749
Rūšis (lietuviškas pavadinimas)	Baltasis gandras
Rūšis (lotyniškas pavadinimas)	Ciconia ciconia

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2010-07-30	Pirmas stebėjimas	jaunas, nesubrendęs individas	lizdas, ola ir pan.

Radavietės/augavietės koordinatės:

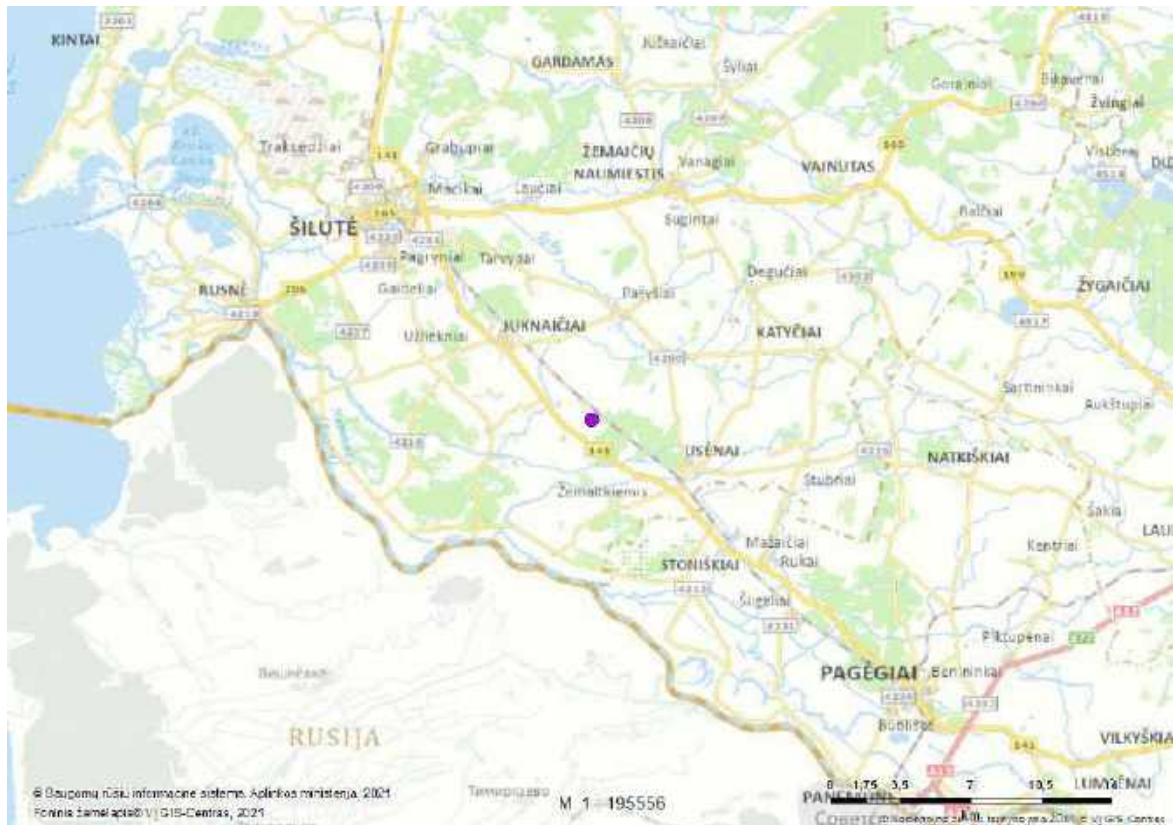
Taškas [347410,00 6130698,00]

18. RAD-PLUAPR090073 (Dirvinis šilvų žiedas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090073
R šis (lietuviškas pavadinimas)	Dirvinis šilvų žiedas
R šis (lotyniškas pavadinimas)	Pluvialis apricaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-09-27	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

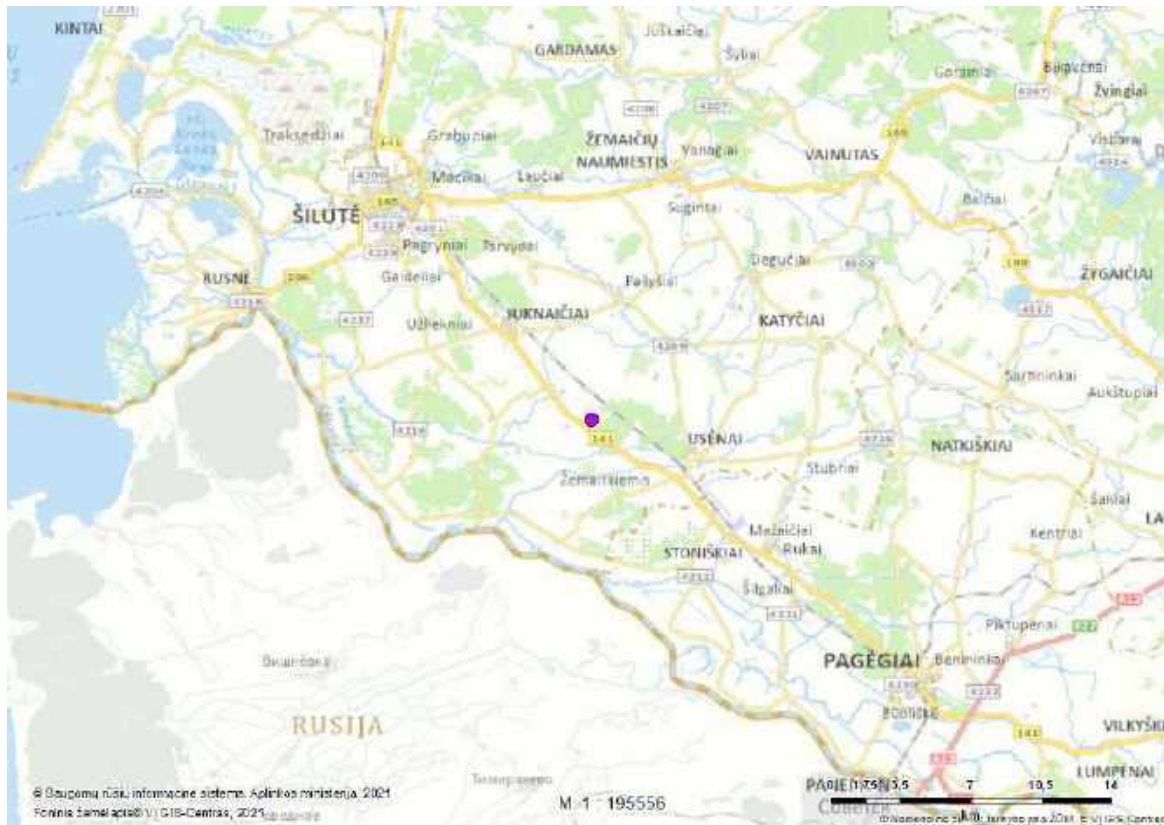
Taškas [350465,56 6126901,05]

19. RAD-PLUAPR090077 (Dirvinis s jikas)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-PLUAPR090077
R šis (lietuviškas pavadinimas)	Dirvinis s jikas
R šis (lotyniškas pavadinimas)	Pluvialis apricaria

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-10-02	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

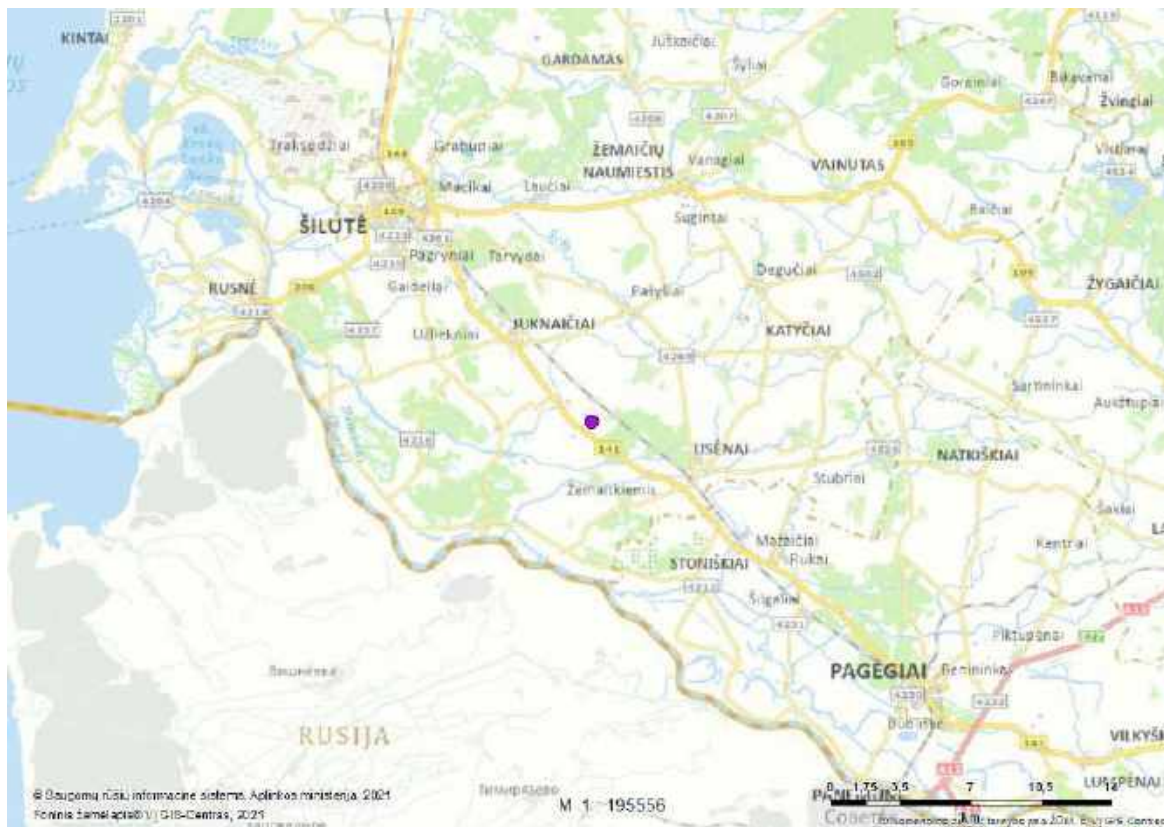
Taškas [350304,17 6126306,53]

20. RAD-PLUAPR090080 (Dirvinis šilvų jūkas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PLUAPR090080
Rūšis (lietuviškas pavadinimas)	Dirvinis šilvų jūkas
Rūšis (lotyniškas pavadinimas)	Pluvialis apicaria

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2016-10-10	[nėra duomenų]	[nėra duomenų]	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Taškas [349989,05 6126709,23]

21. RAD-ANTCAM087061 (Dirvoninis kalviukas)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-ANTCAM087061
R ūšis (lietuviškas pavadinimas)	Dirvoninis kalviukas
R ūšis (lotyniškas pavadinimas)	Anthus campestris

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-05-04	Stabili	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinatės:

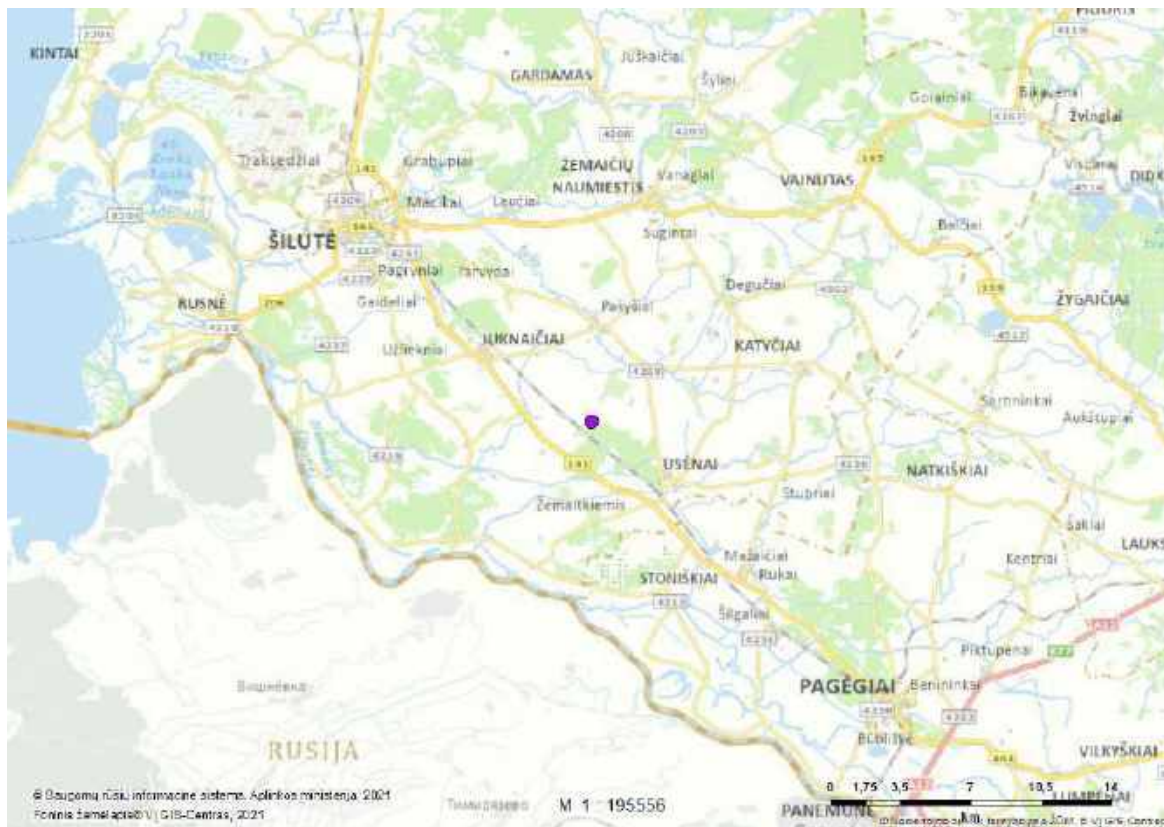
Taškas [349018,10 6130140,37]

22. RAD-FALSUB080235 (Eurazinis sketsakalis)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-FALSUB080235
R ūšis (lietuviškas pavadinimas)	Eurazinis sketsakalis
R ūšis (lotyniškas pavadinimas)	Falco subbuteo

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2014-06-02	[n ra duomen]	suaug s individas	[n ra duomen]

Radaviet s/augaviet s koordinat s:

Taškas [351522,29 6127468,07]

23. RAD-FALSUB040170 (Eurazinis sketsakalis)

Radavietės/aušavietės duomenys:

Radavietės/aušavietės kodas	RAD-FALSUB040170
Rūšis (lietuviškas pavadinimas)	Eurazinis sketsakalis
Rūšis (lotyniškas pavadinimas)	Falco subbuteo

Radavietės/aušavietės žemėlapis:



Radavietės/aušavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-05-08	[nėra duomenų]	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/aušavietės koordinatės:

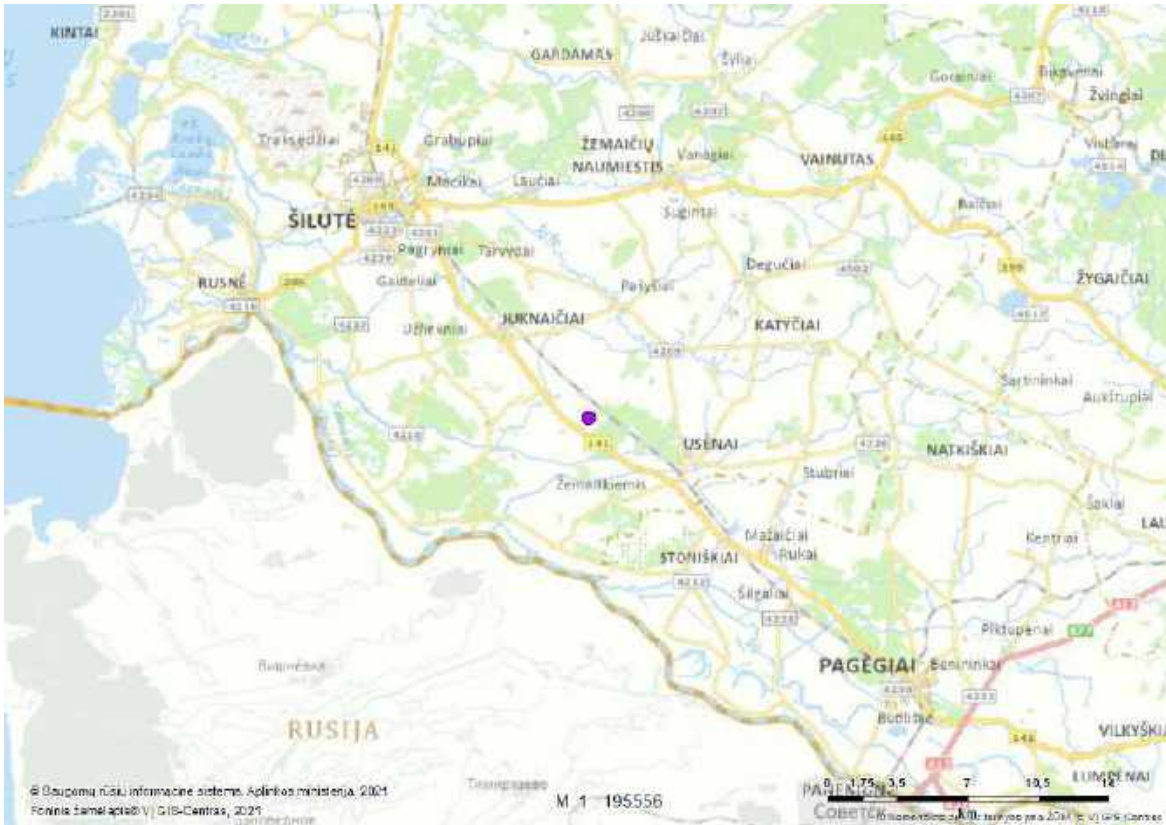
Taškas [349739,63 6130451,32]

24. RAD-CYGCYG090071 (Gulbės giesmininkas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-CYGCYG090071
Rūšis (lietuviškas pavadinimas)	Gulbės giesmininkas
Rūšis (lotyniškas pavadinimas)	Cygnus cygnus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būklė	Vystymosi stadija	Veiklos požymiai
2016-10-28	Stabili	[nėra duomenų]	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

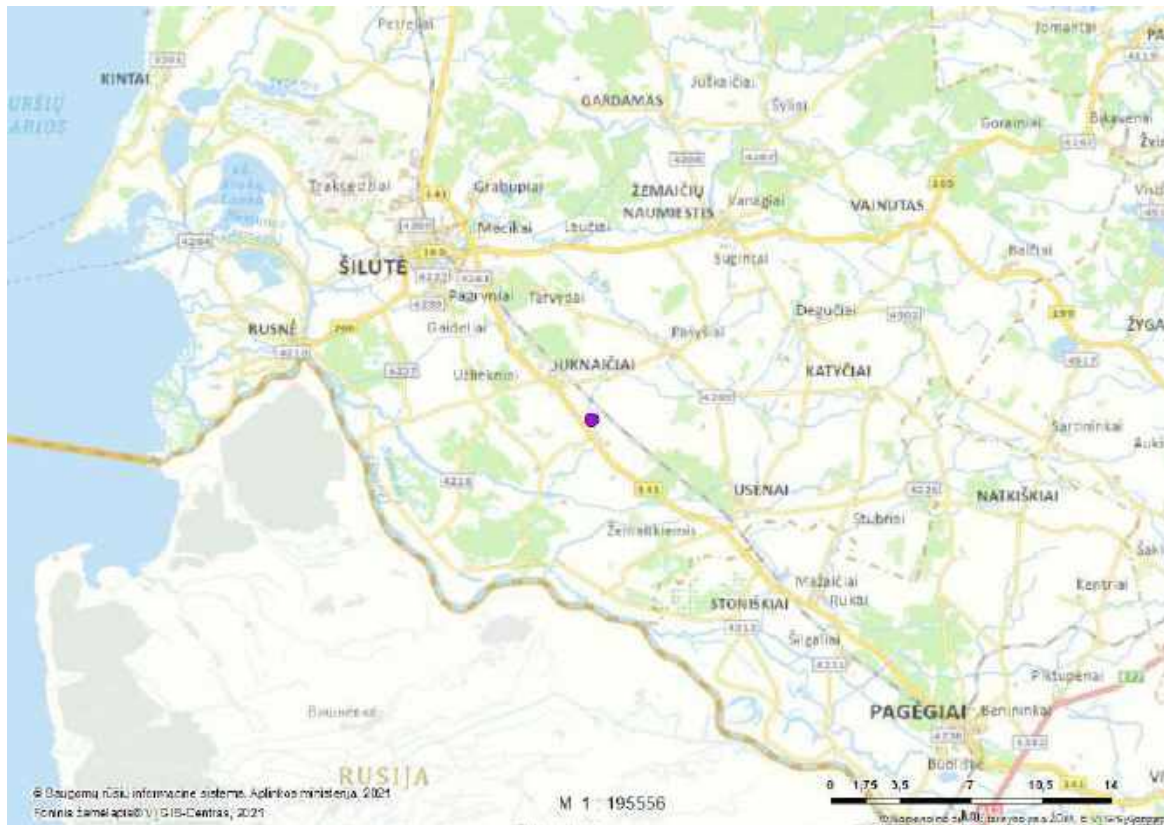
Taškas [350370,84 6126640,70]

25. RAD-CIRCYA056287 (Javin ling)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-CIRCYA056287
R ūšis (lietuviškas pavadinimas)	Javin ling
R ūšis (lotyniškas pavadinimas)	Circus cyaneus

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2011-03-12	Pirmas steb jimas	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

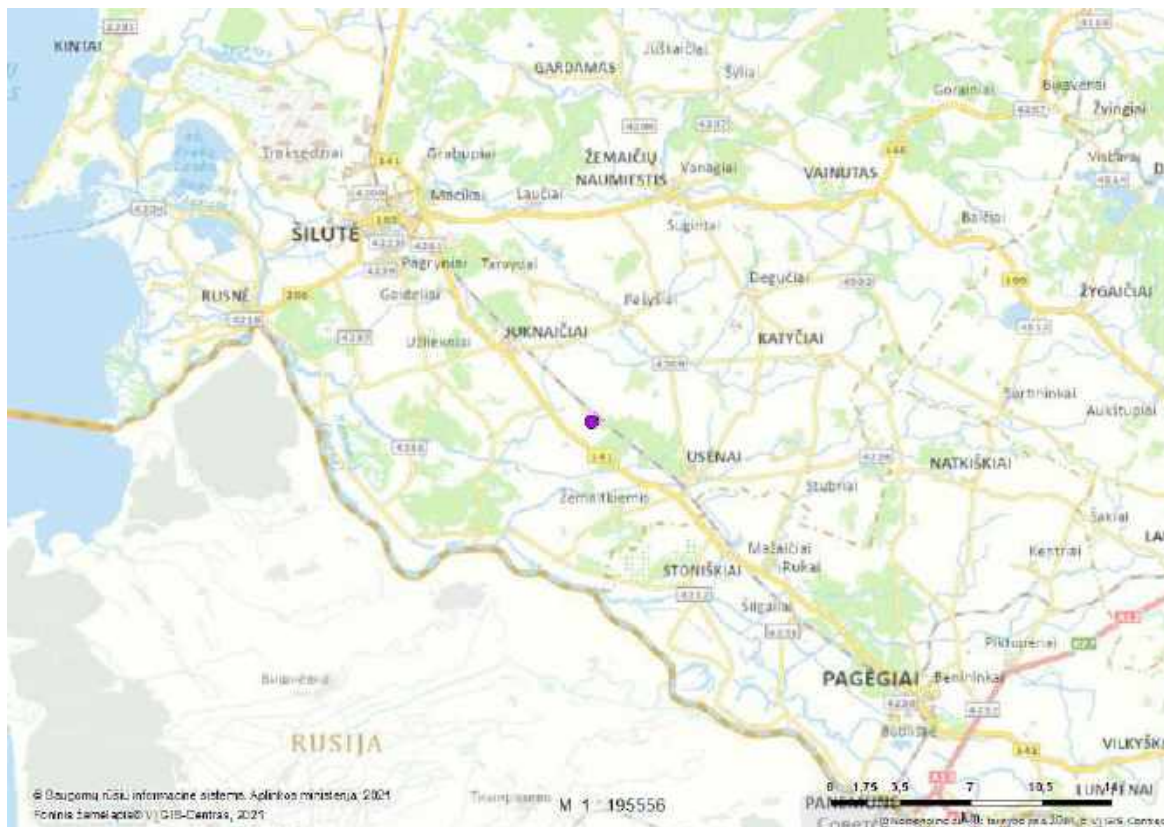
Taškas [348002,06 6128839,71]

26. RAD-PIP NAT072723 (Natuzijaus šikšniukas)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-PIP NAT072723
Rūšis (lietuviškas pavadinimas)	Natuzijaus šikšniukas
Rūšis (lotyniškas pavadinimas)	Pipistrellus nathusii

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būsena	Vystymosi stadija	Veiklos požymiai
2015-06-17	Pirmas stebėjimas	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

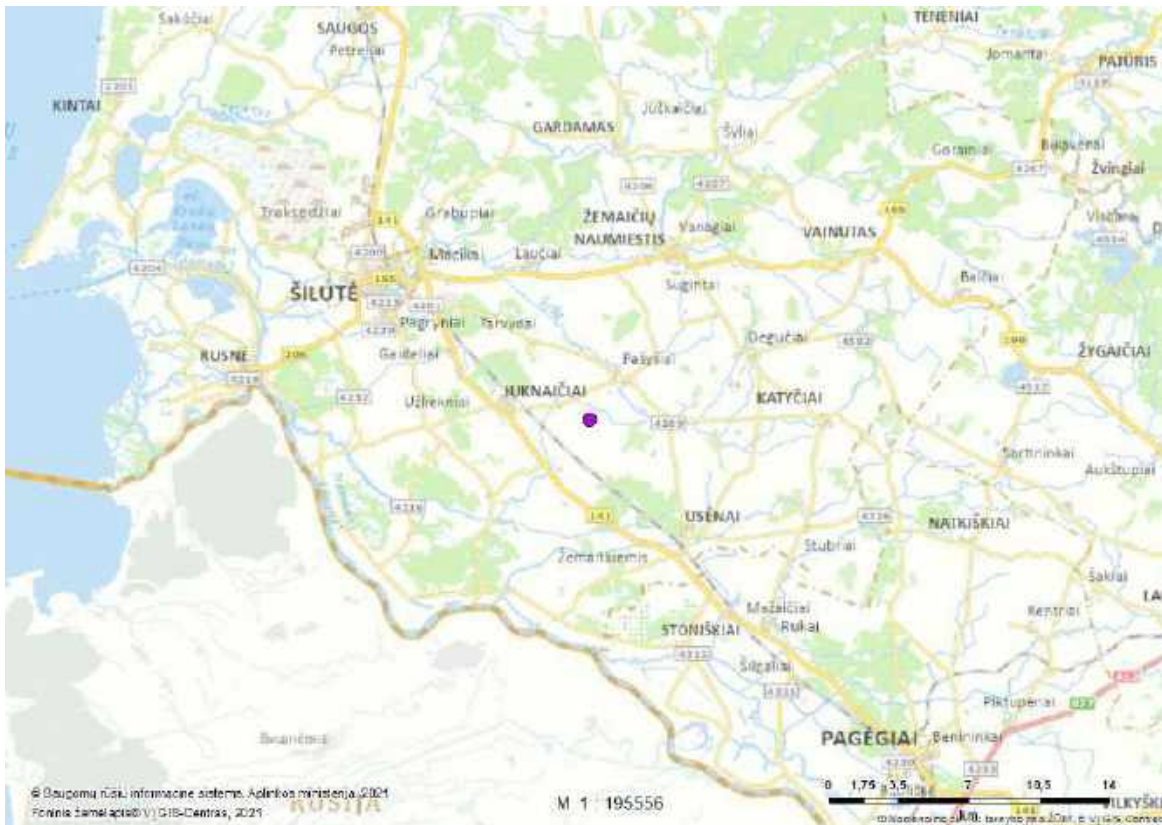
Taškas [350351,23 6127096,58]

27. RAD-CIRPYG040172 (Pievinis lingas)

Radavieties/aušvieties duomenys:

Radavieties/aušvieties kodas	RAD-CIRPYG040172
Rūšis (lietuviškas pavadinimas)	Pievinis lingas
Rūšis (lotyniškas pavadinimas)	Circus pygargus

Radavieties/aušvieties žemėlapis:



Radavieties/aušvieties stebėjimo duomenys:

Stebėjimo data	Radavieties būsena	Vystymosi stadija	Veiklos požymiai
2015-05-08	[nėra duomenų]	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavieties/aušvieties koordinatės:

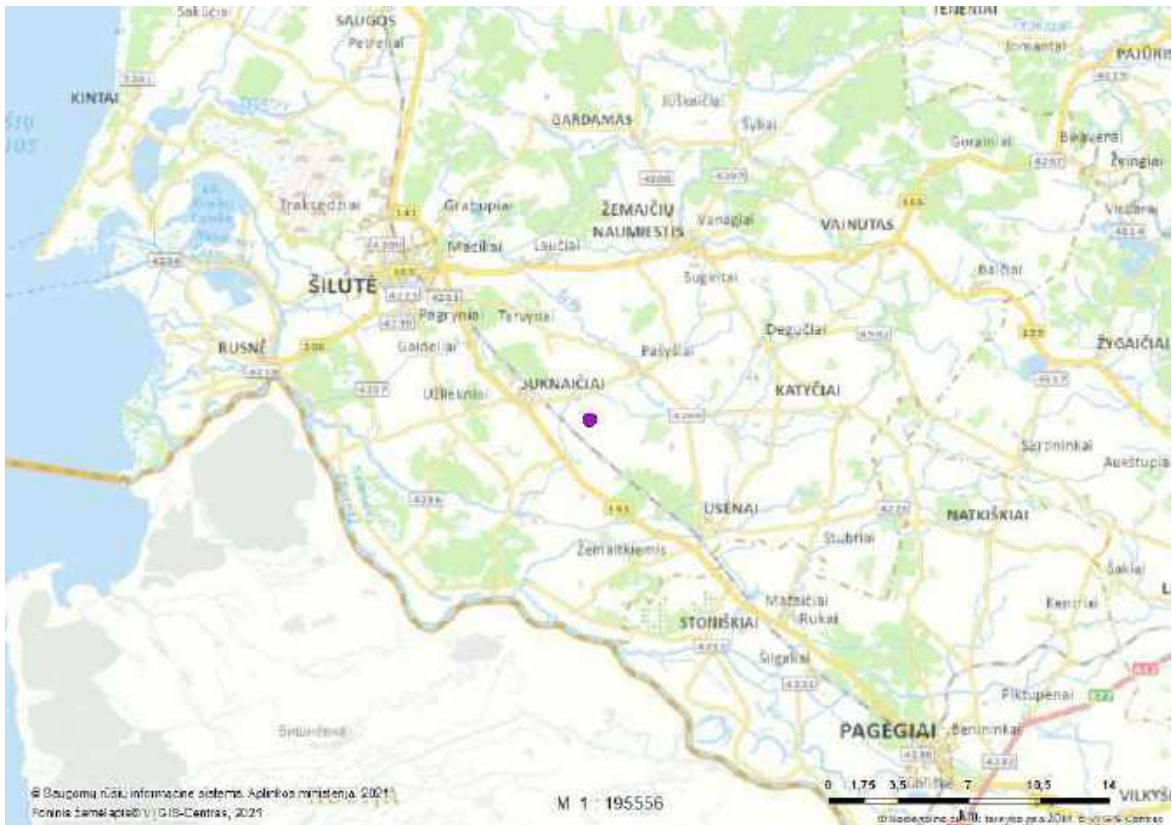
Taškas [350324,81 6130158,95]

28. RAD-MILCAL086704 (Pilkoji starta)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILCAL086704
Rūšis (lietuviškas pavadinimas)	Pilkoji starta
Rūšis (lotyniškas pavadinimas)	Miliaria calandra

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-05-04	Pirmas stebėjimas	suaugęs individas	stebėjamas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

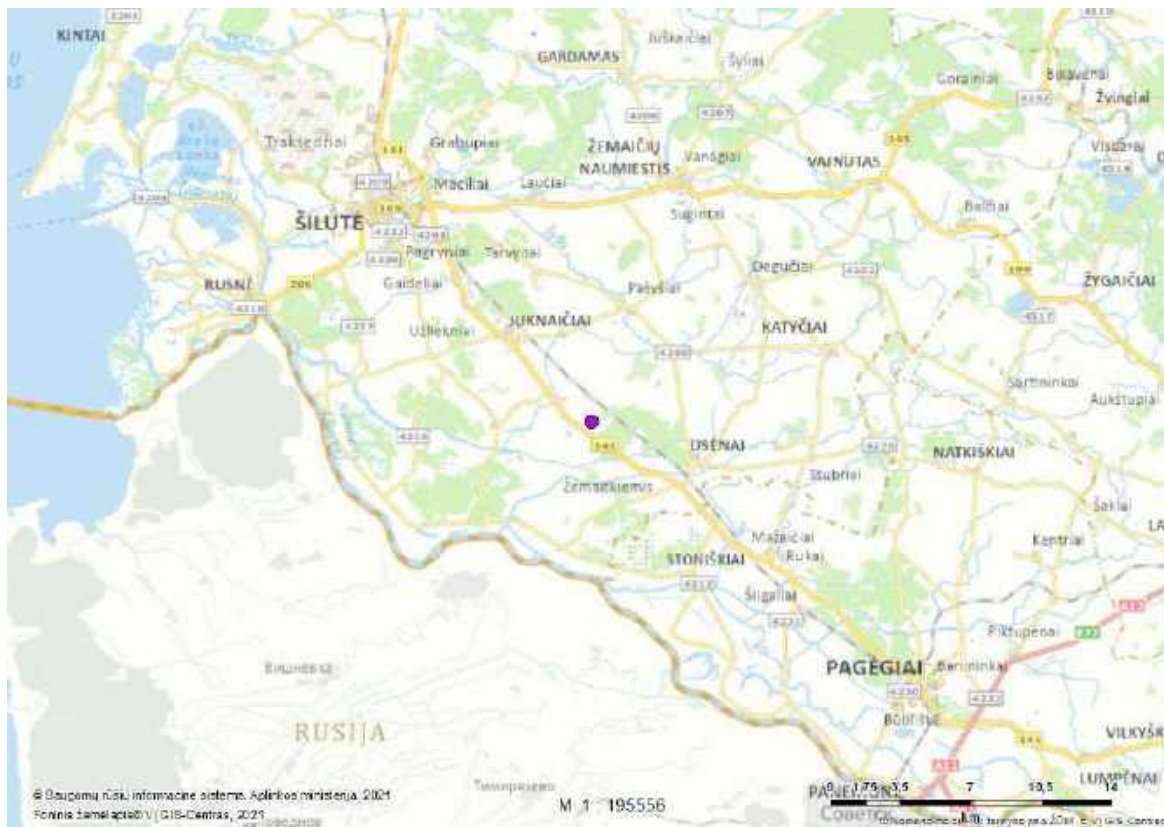
Taškas [349402,54 6129782,98]

29. RAD-MILMIL049796 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL049796
Rūšis (lietuviškas pavadinimas)	Rudasis peslys
Rūšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būseną	Vystymosi stadija	Veiklos požymiai
2015-05-12	Stabili	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Taškas [350182,26 6126542,03]

30. RAD-MILMIL088317 (Rudasis peslys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-MILMIL088317
R ūšis (lietuviškas pavadinimas)	Rudasis peslys
R ūšis (lotyniškas pavadinimas)	Milvus milvus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-05-04	Stabili	suaugęs individas	stebimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinatės:

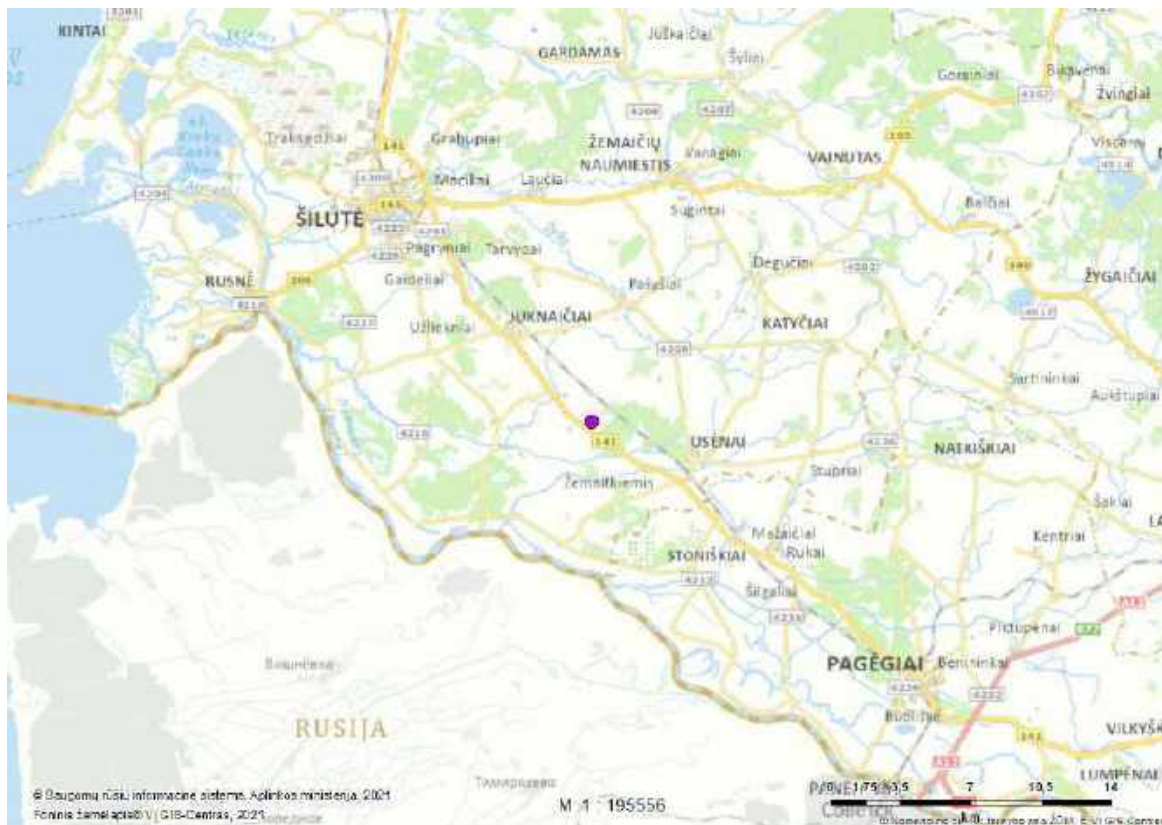
Taškas [349363,23 6130239,58]

31. RAD-MILMIL090069 (Rudasis peslys)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-MILMIL090069
R ūšis (lietuviškas pavadinimas)	Rudasis peslys
R ūšis (lotyniškas pavadinimas)	Milvus milvus

Radaviet s/augaviet s žemėlapis:



Radaviet s/augaviet s stebėjimo duomenys:

Stebėjimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-09-27	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

Taškas [350147,27 6126352,83]

32. RAD-MILMIL090075 (Rudasis peslys)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-MILMIL090075
Rūšis (lietuviškas pavadinimas)	Rudasis peslys
Rūšis (lotyniškas pavadinimas)	Milvus milvus

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2016-10-02	[n ra duomen]	[n ra duomen]	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Poligonas [351252,43 6126687,27, 350008,89 6127077,53, 349717,85 6126270,55, 350465,30 6125754,61, 351252,43 6126687,27]

33. RAD-EMBHOR035483 (Sodin starta)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EMBHOR035483
R šis (lietuviškas pavadinimas)	Sodin starta
R šis (lotyniškas pavadinimas)	Emberiza hortulana

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2014-06-05	Pirmas steb jimas	suaug s individas	[n ra duomen]

Radaviet s/augaviet s koordinat s:

MULTIPOLYGON (((348568,32 6130894,43, 348899,05 6130629,85, 349176,86 6130113,91, 349560,51 6129703,80, 350499,78 6129796,41, 350632,07 6130127,14, 349851,55 6130312,35, 349573,74 6130510,78, 349284,77 6130996,78, 348568,32 6130894,43]),((349284,77 6130996,78, 349309,15 6131000,26, 349282,70 6131000,26, 349284,77 6130996,78]))

34. RAD-EMBHOR086876 (Sodinų starta)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-EMBHOR086876
Rūšis (lietuviškas pavadinimas)	Sodinų starta
Rūšis (lotyniškas pavadinimas)	Emberiza hortulana

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės būseną	Vystymosi stadija	Veiklos požymiai
2014-06-06	Stabili	suaugusių individų	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Linija [348611,27 6130832,24, 348902,31 6130627,19, 349233,04 6130038,49, 349524,08 6129734,22, 350397,21 6129820,21]

35. RAD-EMBHOR038585 (Sodinų starta)

Radavietės/augavietės duomenys:

Radavietės/augavietės kodas	RAD-EMBHOR038585
Rūšis (lietuviškas pavadinimas)	Sodinų starta
Rūšis (lotyniškas pavadinimas)	Emberiza hortulana

Radavietės/augavietės žemėlapis:



Radavietės/augavietės stebėjimo duomenys:

Stebėjimo data	Radavietės b sena	Vystymosi stadija	Veiklos požymiai
2015-05-06	Pagausio	suaugusių individų	stebėjimas gyvas (praskrendantis, besimaitinantis ir kt.)

Radavietės/augavietės koordinatės:

Linija [348539,29 6130867,55, 349491,79 6129729,84, 350457,52 6129822,44]

36. RAD-EMBHOR086857 (Sodin starta)

Radaviet s/augaviet s duomenys:

Radaviet s/augaviet s kodas	RAD-EMBHOR086857
R šis (lietuviškas pavadinimas)	Sodin starta
R šis (lotyniškas pavadinimas)	Emberiza hortulana

Radaviet s/augaviet s žem lapis:



Radaviet s/augaviet s steb jimo duomenys:

Steb jimo data	Radaviet s b sena	Vystymosi stadija	Veiklos požymiai
2016-05-09	Stabili	suaug s individas	steb tas gyvas (praskrendantis, besimaitinantis ir kt.)

Radaviet s/augaviet s koordinat s:

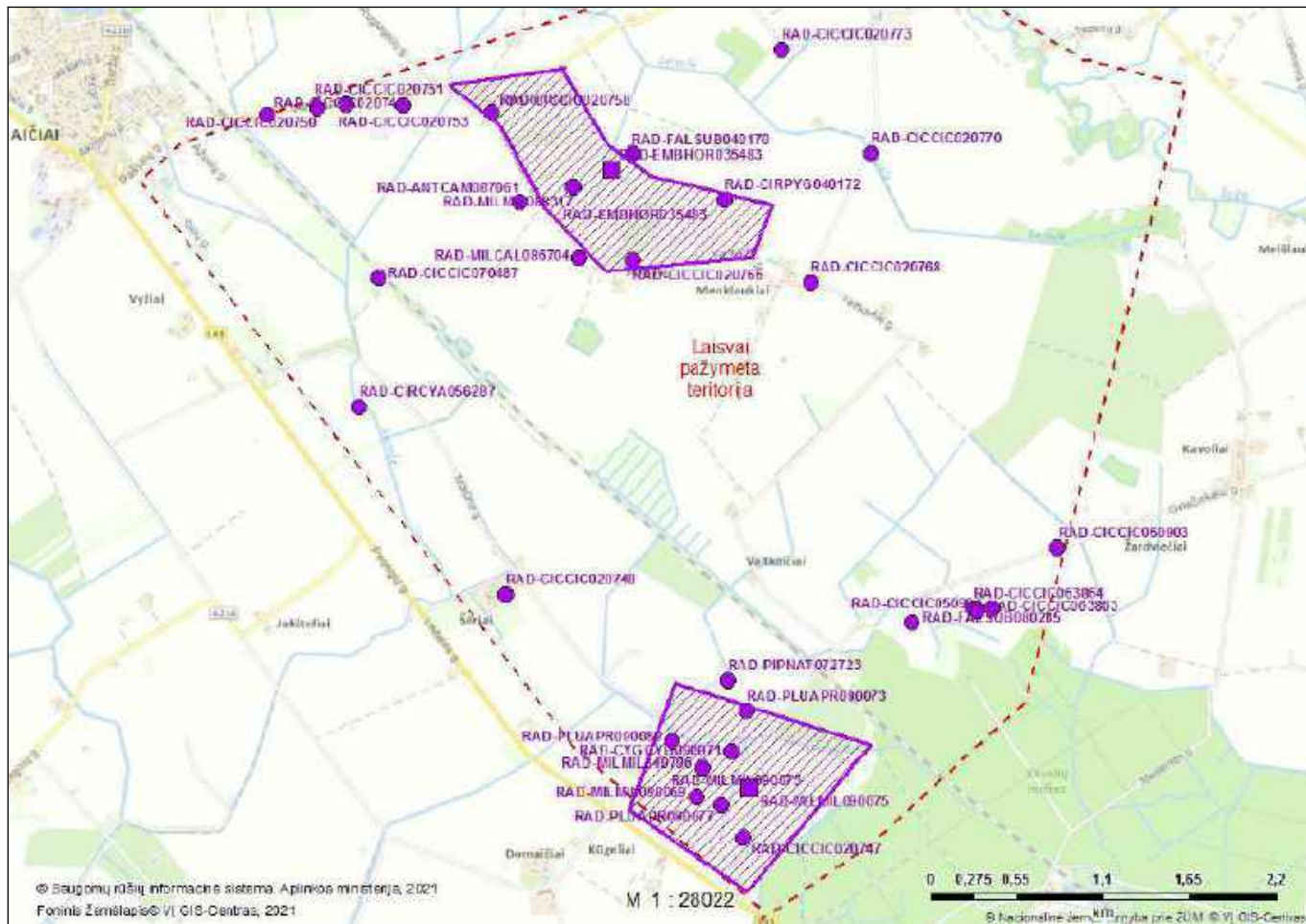
Linija [348632,11 6130821,28, 348903,31 6130636,07, 349505,24 6129716,64, 350484,20 6129842,32]

Išrašo santrauka

Prašyta teritorija: Laisvai pažymėta teritorija

Prašytos rūšys: Visos rūšys

Teritorijoje aptinkamų prašyt saugomųjų teritorijų radaviečių ir augaviečių apžvalginis žemėlapis:



Išrašė pateikiam teritorijoje aptinkamų prašyt saugomųjų teritorijų radaviečių ir augaviečių sąrašas:

Eil. nr.	Rūšis (lietuviškas pavadinimas)	Rūšis (lotyniškas pavadinimas)	Radaviečių kodas	Paskutinio stebėjimo data
1.	Aukštoji gegužė	<i>Dactylorhiza fuchsii</i>	AUG-DACFUC011839	2014-06-02
2.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC050903	2009-09-16
3.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063864	2009-09-16
4.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC050904	2009-09-16
5.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC063863	2009-09-16
6.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC070487	2010-07-30
7.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020770	2010-07-30
8.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020751	2010-07-30
9.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020748	2010-07-30
10.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020768	2010-07-30
11.	Baltasis gandras	<i>Ciconia ciconia</i>	RAD-CICCIC020773	2010-07-30

Eil. nr.	Rūšis (lietuviškas pavadinimas)	Rūšis (lotyniškas pavadinimas)	Radavieties kodas	Paskutinio stebėjimo data
12.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020747	2010-07-30
13.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020758	2010-07-30
14.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020766	2010-07-30
15.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020750	2010-07-30
16.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020753	2010-07-30
17.	Baltasis gandrai	<i>Ciconia ciconia</i>	RAD-CICCIC020749	2010-07-30
18.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090073	2016-09-27
19.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090077	2016-10-02
20.	Dirvinis s jikas	<i>Pluvialis apricaria</i>	RAD-PLUAPR090080	2016-10-10
21.	Dirvoninis kalviukas	<i>Anthus campestris</i>	RAD-ANTCAM087061	2016-05-04
22.	Eurazinis sketsakalis	<i>Falco subbuteo</i>	RAD-FALSUB080235	2014-06-02
23.	Eurazinis sketsakalis	<i>Falco subbuteo</i>	RAD-FALSUB040170	2015-05-08
24.	Gulb giesminink	<i>Cygnus cygnus</i>	RAD-CYGCYG090071	2016-10-28
25.	Javin ling	<i>Circus cyaneus</i>	RAD-CIRCYA056287	2011-03-12
26.	Natuzijaus šikšniukas	<i>Pipistrellus nathusii</i>	RAD-PIP NAT072723	2015-06-17
27.	Pievin ling	<i>Circus pygargus</i>	RAD-CIRPYG040172	2015-05-08
28.	Pilkoji starta	<i>Miliaria calandra</i>	RAD-MILCAL086704	2016-05-04
29.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL049796	2015-05-12
30.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL088317	2016-05-04
31.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090069	2016-09-27
32.	Rudasis peslys	<i>Milvus milvus</i>	RAD-MILMIL090075	2016-10-02
33.	Sodin starta	<i>Emberiza hortulana</i>	RAD-EMBHOR035483	2014-06-05
34.	Sodin starta	<i>Emberiza hortulana</i>	RAD-EMBHOR086876	2014-06-06
35.	Sodin starta	<i>Emberiza hortulana</i>	RAD-EMBHOR038585	2015-05-06
36.	Sodin starta	<i>Emberiza hortulana</i>	RAD-EMBHOR086857	2016-05-09

5.4 Priedėlis. Ornitologinių tyrimų ataskaita



Pajūrio tyrimų ir planavimo institutas

PLANUOJAMO VĖJO ELEKTRINIŲ PARKO
USĖNŲ IR JUKNAIČIŲ SEN. ŠILUTĖS RAJONE
PAUKŠČIŲ IR ŠIKŠNOSPARNIŲ STEBĖJIMO
2021 METŲ ATASKAITA

Klaipėda 2021



Pajūrio tyrimų ir planavimo institutas

PLANUOJAMO VĖJO ELEKTRINIŲ PARKO USĖNŲ IR JUKNAIČIŲ SEN. ŠILUTĖS
RAJONE PAUKŠČIŲ IR ŠIKŠNOSPARNIŲ STEBĖJIMO
2021 METŲ ATASKAITA

Planuojamos ūkinės veiklos
organizatorius (užsakovas):

UAB „SV Projektai“

Rengėjas:

Pajūrio tyrimų ir planavimo institutas

Direktorė:

Rosita Milerienė

Projekto vadovas:

Julius Morkūnas

Rengėjai:

Julius Morkūnas

Vita Augutė

Viačeslav Jurkin

Klaipėda, 2021

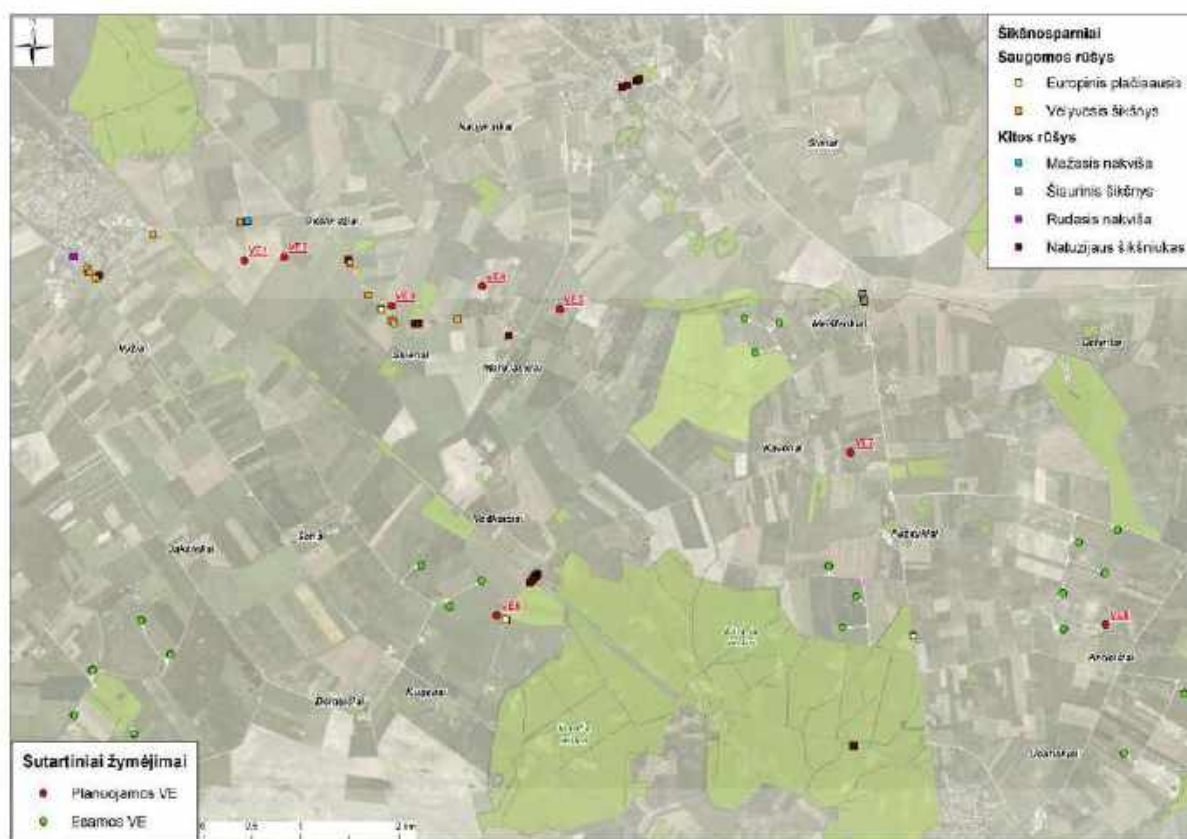
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1. ĮVADAS

UAB „SV Projektai“ Šilutės rajone, Juknaičių ir Usėnų seniūnijose, planuoja įrengti 8 vėjo elektrinių (toliau – VE) parką (1.1 pav.). Siekiant nustatyti galimą poveikį paukščiams ir šikšnosparniams 2021 metais rudenį buvo atlikti jautrių VE poveikiui paukščių ir šikšnosparnių stebėjimai. Šioje ataskaitoje pateikiami 2021 metų tyrimų duomenys apie migruojančių, perinčių ir sankaupas sudarančių paukščių stebėjimų rezultatus, migruojančių šikšnosparnių tyrimų rezultatai ir gretimoje teritorijoje esančiame VE parke 2020 metais atlikto žuvusių dėl susidūrimų su VE paukščių ir šikšnosparnių tyrimo rezultatai.

Ataskaitoje įvardijami galimi konfliktai su jautriomis VE poveikiui paukščių grupėmis ir šikšnosparnių rūšimis. Aprašomos galimos grėsmės ir numanomi konfliktai kurie gali kilti pastačius planuojamas VE.



1.1 Paveikslas. VE išdėstymas ir stebėjimų vietos planuojamame UAB „SV Projektai“ parke Šilutės rajone.

2. METODIKA

Paukščių migracijos ir perskridimo stebėjimai buvo vykdomi 2021 metų rugsėjo paskutinį dešimtadienį ir spalio mėnesį iš 7 pastovių stebėjimo taškų. Taip pat buvo atliekami ir

maršrutiniai stebėjimai planuojamo VE parko teritorijoje. Migruojantys paukščiai buvo stebimi jų intensyviausiu paros skraidymo metu. Stebėjimų metu registruojamas migruojančių paukščių individų kiekis, skridimo aukščiai ir kryptys, skridimo laikas, elgesio parametrai, žymimos migruojančių paukščių judėjimo trajektorijos. Be to, buvo vykdomos plėšriųjų paukščių perskirdimo apskaitos ir mitybos plotų identifikacija. Žemėlapiai sudaryti atlikus visų registruotų paukščių gausumo ir skrydžių trajektorijų analizę, kurios metu buvo skaičiuotas paukščių tankumas 25x25 m kvadratuose, ataskaitoje pateiktas paukščių tankumas yra į 25x25m kvadratą, suskirsčius paukščius į skirtingas ekologines grupes.

Sankaupų skaičiavimas buvo atliekamas reguliariai lankantis planuojamame VE parke. Jautrios VE rūšys teritorijoje buvo identifikuotos ir vykdamas paukščių perskridimo, sankaupų stebėjimo darbus.

Suminis poveikis buvo vertinimas iš atliktų tyrimų duomenų gretimame UAB „Šilutės Vėjo projektai“ 24 VE parke. Žuvusių dėl susidūrimo su VE paukščių ir šikšnosparnių tyrimai buvo atliekami 2016-2020 metais nuo liepos 26 iki spalio 29 dienos, kas penkias dienas apieškant 50 m spinduliu po VE mentėmis esančią teritoriją po dešimt VE, pastatytų Juknaičių, Usėnų seniūnijose greta planuojamo VE parko.

Migruojantys šikšnosparniai buvo registruojami „Wildlife Acoustics“ mobiliuoju detektoriumi „Echo Meter Touch“ 2021 metų rugsėjo 21 – spalio 13 d. laikotarpiu. Šikšnosparnių ultragarso signalų registravimas prasidėdavo 30 min. iki saulėlydžio ir tęsdavosi 3-4 valandas. Maršrutinės apskaitos apėmė visą planuojamo VE parko teritoriją ir aplinkines teritorijas.

Rezultatų analizė buvo atlikta naudojant Microsoft Office paketą, Wildlife Acoustics Kaleidoscope Pro, AcrGis ir AcrMap.

3. TYRIMŲ REZULTATAI

3.1. Paukščių migracijos kelių nustatymas (rūšinė sudėtis ir gausumas)

Intensyviausia paukščių migracija planuojamo VE parko teritorijoje fiksuojama rudens metu. Todėl buvo atlikti paukščių migracijos ir perskridimų tyrimai 2021 metų rudenį. Apskaitų metu buvo užregistruota 70 paukščių rūšių (3.1.1 lentelė). Bendras praskridusių paukščių skaičius teritorijoje siekė 57480 individų. Iš jų pagal IUCN saugomų gyvūnų

klasifikaciją, visi registruoti paukščiai buvo priskiriami „nekelianti susirūpinimo (LC)“ apsaugos kategorijai, išskyrus rudąjį peslį ir javinę lingę, priskiriamiems „mažėjantis gausumas“ (NT) apsaugos kategorijai. Pagal Europos Sąjungos Paukščių direktyvos I priedo sąrašą buvo registruotos 14 paukščių rūšių, patenkančių į jį: didysis baltasis garnys, pilkoji gervė, jūrinis erelis, mažasis erelis rėksnys, javinė lingė, pievinė lingė, nendrinė lingė, rudasis peslys, sakalas keleivis, starsakalis, dirvinis sėjikas, pilkoji meleta, gulbė giesmininkė ir mažoji gulbė. Pagal Lietuvos saugomų rūšių sąrašą buvo registruota 10 rūšių: jūrinis erelis, mažasis erelis rėksnys, paprastasis pelėsakalis, pievinė lingė, rudasis peslys, startsakalis, vištvanagis, pilkoji meleta, dirvinis sėjikas ir uldukas.

3.1.1. Lentelė. Aptiktos migruojančių ir perskrendančių paukščių rūšys Šilutės r. planuojamame VE parke 2021 metų rudenį (IUCN – pasaulio gamtos apsaugos organizacija, EU/BD I priedas – Europos sąjungos Paukščių direktyvos I priedo rūšių sąrašas, LSRS – Lietuvos saugomų rūšių sąrašas).

Grupė	Nr.	Rūšis	Skaičius	IUCN	EU/BD I priedas	LSRS	
Gandriniai ir gervės	1	Didysis baltasis garnys	2	LC	Taip	Ne	
	2	Pilkasis garnys	2	LC	Ne	Ne	
	3	Pilkoji gervė	326	LC	Taip	Ne	
		Iš viso:	330				
Plėšrieji	4	Javinė lingė	47	NT	Taip	Ne	
	5	Jūrinis erelis	26	LC	Taip	Taip	
	6	Mažasis erelis rėksnys	2	LC	Taip	Taip	
	7	Nendrinė lingė	5	LC	Taip	Ne	
	8	Paprastasis pelėsakalis	13	LC	Ne	Taip	
	9	Paprastasis suopis	110	LC	Ne	Ne	
	10	Paukštvanagis	47	LC	Ne	Ne	
	11	Pievinė lingė	2	LC	Taip	Taip	
	12	Rudasis peslys	11	NT	Taip	Taip	
	13	Sakalas keleivis	1	LC	Taip	Ne	
	14	Startsakalis	11	LC	Taip	Taip	
	15	Tūbuotasis suopis	38	LC	Ne	Ne	
	16	Vištvanagis	3	LC	Ne	Taip	
		Iš viso:	316				
	Sėjikiniai	17	Dirvinis sėjikas	394	LC	Taip	Taip
		18	Jūrinis sėjikas	1	LC	Ne	Ne
19		Kirai sp.	556				
20		Paprastasis kiras	2378	LC	Ne	Ne	
21		Paprastoji pempė	2697	LC	Ne	Ne	
22		Perkūno oželis	5	LC	Ne	Ne	
23		Rudagalvis kiras	2576	LC	Ne	Ne	
24		Sidabrinis kiras	18	LC	Ne	Ne	
		Iš viso:	8625				

Žąsiniai	25	Baltakaktė žąsis	3897	LC	Ne	Ne	
	26	Didysis kormoranas	28	LC	Ne	Ne	
	27	Didžioji antis	32	LC	Ne	Ne	
	28	Eurazinė cyplė	42	LC	Ne	Ne	
	29	Gulbė giesmininkė	18	LC	Taip	Ne	
	30	Gulbė nebylė	3	LC	Ne	Ne	
	31	Mažoji gulbė	6	LC	Taip	Ne	
	32	Pilkoji žąsis	33	LC	Ne	Ne	
	33	Rudagalvė kryklė	6	LC	Ne	Ne	
	34	Žąsys sp.	9172				
	35	Želmeninė žąsis	2388	LC	Ne	Ne	
		Iš viso:	15625				
	Žvirbliniai	36	Alksninukas	133	LC	Ne	Ne
		37	Baltabruvis strazdas	35	LC	Ne	Ne
38		Baltoji kielė	2	LC	Ne	Ne	
39		Dagilis	34	LC	Ne	Ne	
40		Didžioji zylė	85	LC	Ne	Ne	
41		Dirvinis vieversys	1994	LC	Ne	Ne	
42		Geltonoji starta	73	LC	Ne	Ne	
43		Ilgauodegė zylė	13	LC	Ne	Ne	
44		Karklažvirblis	8	LC	Ne	Ne	
45		Kėkštas	62	LC	Ne	Ne	
46		Keršulis	1219	LC	Ne	Ne	
47		Kovas	77	LC	Ne	Ne	
48		Kranklys	194	LC	Ne	Ne	
49		Kuosa	139	LC	Ne	Ne	
50		Lygutė	9	LC	Ne	Ne	
51		Mėlynoji zylė	817	LC	Ne	Ne	
52		Nendrinė starta	1	LC	Ne	Ne	
53		Paprastasis čivylis	593	LC	Ne	Ne	
54		Paprastasis erškėtžvirblis	2	LC	Ne	Ne	
55		Paprastasis kikelis	19653	LC	Ne	Ne	
56		Paprastasis kultupys	1	LC	Ne	Ne	
57		Paprastasis varnėnas	5397	LC	Ne	Ne	
58		Pievinis kalviukas	1419	LC	Ne	Ne	
59		Pilkoji meleta	1	LC	Taip	Taip	
60		Pilkoji varna	99	LC	Ne	Ne	
61		Plėšrioji medšarkė	2	LC	Ne	Ne	
62		Šarka	23	LC	Ne	Ne	
63		Šelmeninė kregždė	17	LC	Ne	Ne	
64		Šiaurinis kikelis	248	LC	Ne	Ne	
65		Smilginis strazdas	68	LC	Ne	Ne	
66		Strazdas giesmininkas	15	LC	Ne	Ne	
67		Svilikas	1	LC	Ne	Ne	
68		Uldukas	76	LC	Ne	Taip	
69		Uolinis karvelis	72	LC	Ne	Ne	

	70	Žaliukė	2	LC	Ne	Ne
		Iš viso:	32584			
Iš viso:			57480			

Gausiausiai pro stebimą teritoriją skrido žvirbliniai paukščiai (56,7 %), antroje vietoje pagal gausumą buvo žąsiniai (27,2 %), trečioje – sėjikiniai paukščiai (15 %). Jautrios susidūrimams su VE paukščių rūšių grupės gandriniai-gerviniai paukščiai sudarė 0,6 %, o plėšrieji paukščiai – 0,5 % (3.1.2 lentelė). Vis tik reikia atkreipti dėmesį, jog nuoseklių stebėjimų metu gausiausia gandrinių paukščių ir gervių migracija jau buvo pasibaigusi, kaip ir kai kurių anksčiau žiemoti išskrendančių plėšriųjų paukščių rūšių. Iš plėšriųjų paukščių daugiausiai registruota paprastųjų suopių, paukštvanagių, javinių lingių, tūbuotųjų suopių ir jūrinių erelių. Žvirbliniai paukščiai visoje Lietuvoje sudaro didžiąją dalį migrantų rudeninių stebėjimų metu.

3.1.2. Lentelė. Pro planuojamą VE parką praskrendančių paukščių gausumas pagal grupes.

Grupė	Gausumas	
	Individai	%
Gandriniai ir gervės	330	0.6
Plėšrieji	316	0.5
Sėjikiniai	8625	15.0
Žąsiniai	15625	27.2
Žvirbliniai	32584	56.7
Iš viso:	57480	100

3.2. Paukščių migracijos ir perskridimų pasiskirstymas teritorijoje

Planuojamame VE parke praskridimų žemėlapiai buvo suskirstyti pagal paukščių funkcinės grupes. Kiekviename žemėlapyje pateikiama informacija apie paukščių skrydžio trajektorijas ir paukščių suminį tankumą 25x25m kvadratuose.

Gandriniai ir gerviniai paukščiai – labai negausiai stebėta paukščių grupė migracijų, perskridimų metu. Daugiausiai šios grupės paukščių praskridimų registruota prie planuojamos VE Nr. 7, čia stebėti tiek nedideli migruojančių gervių pulkai iki 25 individų, tiek keli pulkai su 130, 73 ir 44 individais. Pavieniai garniai skrido išilgai VE Nr. 5, 4, ir 3, taip pat netoli VE Nr. 6 (3.2.1 pav.).

Plėšrieji paukščiai skraidė ir medžiojo įvairiomis trajektorijomis tarp atskirų planuojamų VE, dažniausiai stebėta rūšis buvo paprastas suopis, taip pat javinė lingė, paukštvanagis ir tūbuotasis suopis. Dalis paprastųjų suopių laikėsi savo veisimosi teritorijų plotuose, kiti stebėti individai – praskrido tranzitu pro VE parko teritoriją. Nebuvo nustatyta konkrečių perskridimo trajektorijų, plėšrieji paukščiai savo teritorijose ar migruodami maitinosi tinkamose buveinėse – pievose, dirbamuose laukuose, palei melioracijos kanalus ir medžių alėjas. Didžiausias tankumas, siekiantis 11-17 individų į 25x25 m plotą, registruotas VE Nr. 7, 4 ir 3 teritorijose. Vos mažesnis, 6-10 individų, tankumas nutatytas taip pat prie šių išvardytų VE bei prie VE Nr. 1, 5 ir 7. (3.2.2 pav.)

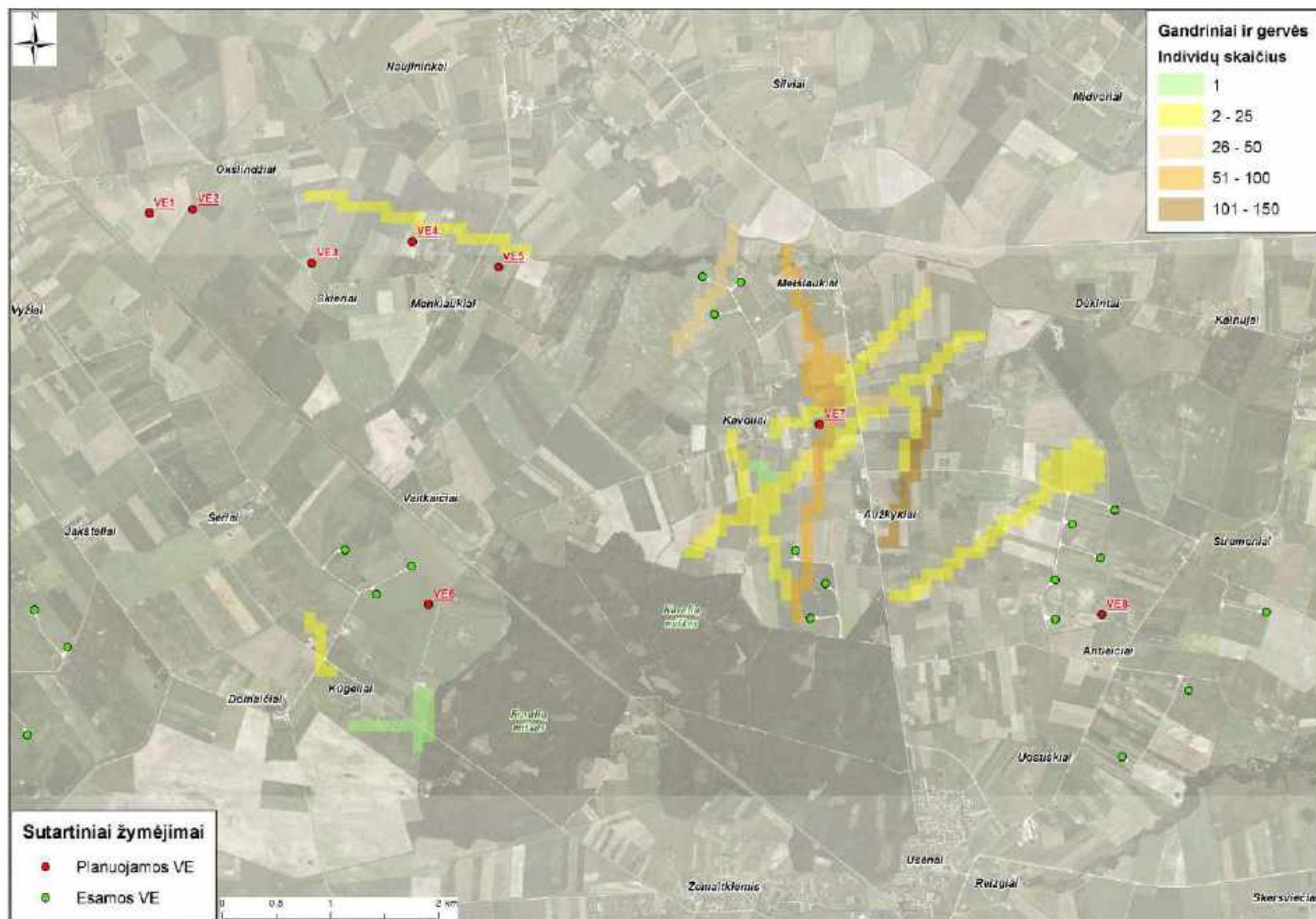
Iš *sėjikinių* paukščių per planuojamą VE teritoriją gausiausiai migravo kirai, kartais jų būriai, skridę pažeme virš ūkio naudmenų su dažnais tūpimais pasimaitinti, siekdavo virš 1000 individų. Daugiausiai kirų stebėta prie VE Nr. 4, 5, 6 ir 7. Atviruose ariamose žemės plotuose prie VE Nr. 5, 6 ir 8 laikėsi negausūs būriai migruojančių dirvinių sėjikų, kurie sutrikdyti plėšrių paukščių ar ūkininkavimo darbų, kildavo į viršų ir sukldavo ratus. Šalia šių VE buveinės buvo tinkamos ir paprastosioms pempėms. Bendrai didžiausias sėjikinių paukščių gausumas, 500-5000 ind./25x25 m, nustatytas teritorijose šalia VE Nr. 4-7 (3.2.3 pav.).

Žąsiniai paukščiai rudeninės migracijos metu traukia pro planuojamą VE parką. Dėl tinkamų drėgesnių buveinių bei nuimtų kukurūzų kultūrų laukų daugiausiai apsistojusį ir nedidelius atstumus dažnai perskrendančių žąsų, gulbių ir ančių stebėta vakarinėje planuojamo parko dalyje, netoli ir šalia VE Nr. 8. Čia nustatytas didžiausias skrendančių žąsinių paukščių tankumas, siekiantis 1001-1560 ind./25x25 m. Gana intensyvus žąsų skridimas buvo prie planuojamų VE Nr. 3-6, kur nustatytas 501-1000 ind./25x25 m tankumas. Tačiau žąsinių paukščių migracija vyksta plačiu frontu ir išskirti jautriausius VE sudėtinga (3.2.4 pav.).

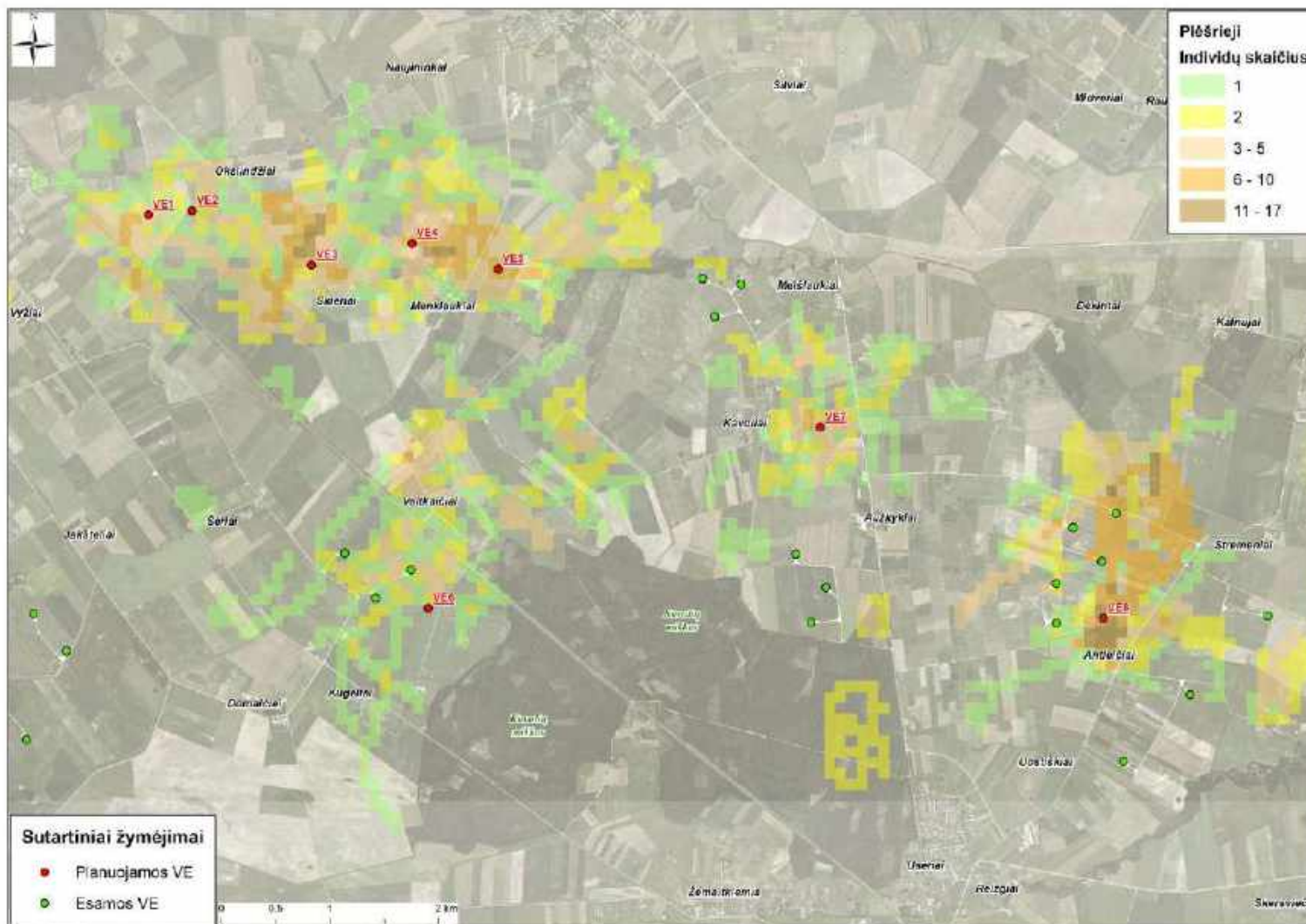
Žvirbliniai paukščiai – įprasta ir gausi paukščių grupė planuojamo VE parko teritorijoje. Stebėjimų metu buvo registruojami didesni būriai kikilių, dirvinių vieversių, pievinių kalviukų, paprastųjų varnėnų ir keršulių, kiti paukščiai stebėti pavieniai ar mažomis grupelėmis. Didžiausias tankumas, 5001-7322 ind./25x25 m, registruotas prie VE Nr. 4 ir 5, o prie VE Nr. 1-2 bei atkarpoje tarp VE Nr. 5 ir 6 jis siekė 1001-5000 ind./25x25 m (3.2.5 pav.).

Bendras paukščių gausumas buvo didžiausias prie VE Nr. 4 ir 5, kur buvo registruojami skaitlingi žvirblinių ir sėjikinių paukščių būriai ir stebėta gana intensyvi žąsų migracija bei didelė plėšriųjų paukščių įvairovė (3.2.6 pav.). Rudeninės migracijos metu nebuvo nustatyta

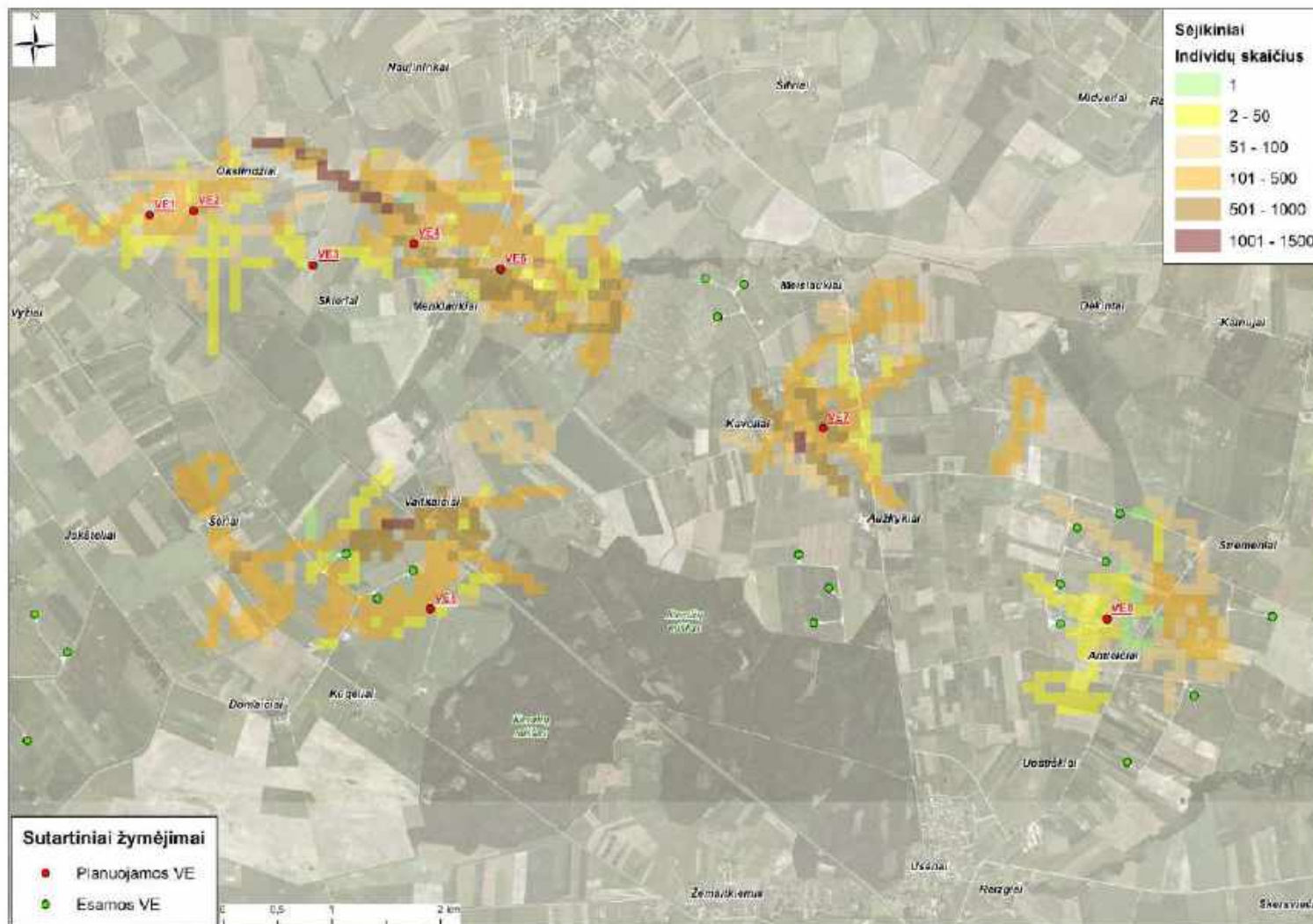
patikimų paukščių judėjimo kryptingumą. Panuojamo VE parko teritorijoje esančios buveinės ir žemės ūkio naudmenos buvo taip pat paukščių naudojamos poilsiui ir maitinimuisi.



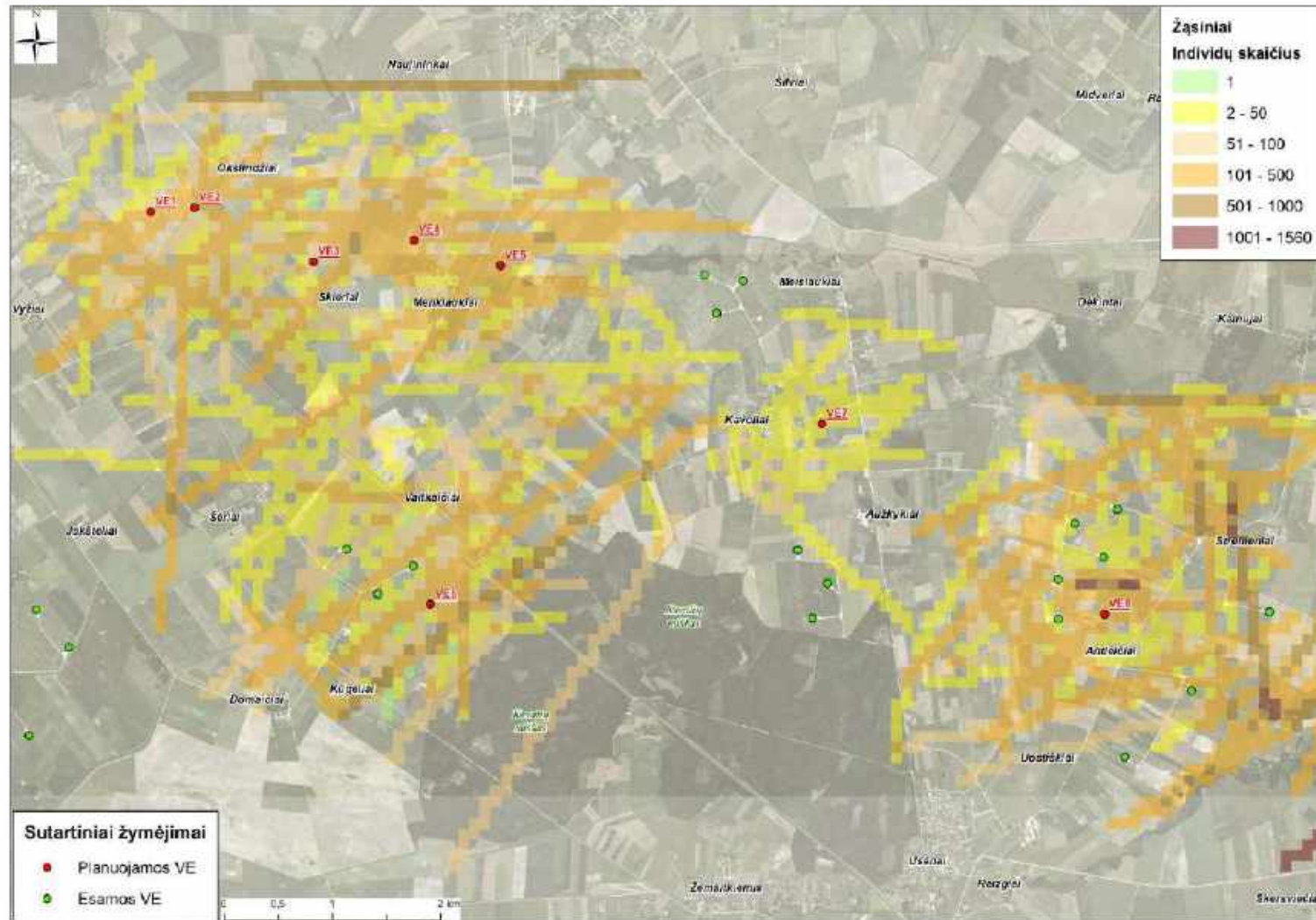
3.2.1 Paveikslas. Gandrinių ir gervinių paukščių migracijų ir perskridimų intensyvumas planuojamo VE parko centrinėje dalyje.



3.2.2 Paveikslas. Plėšriųjų paukščių migracijų ir perskridimų intensyvumas planuojamo VE parko centrinėje dalyje.



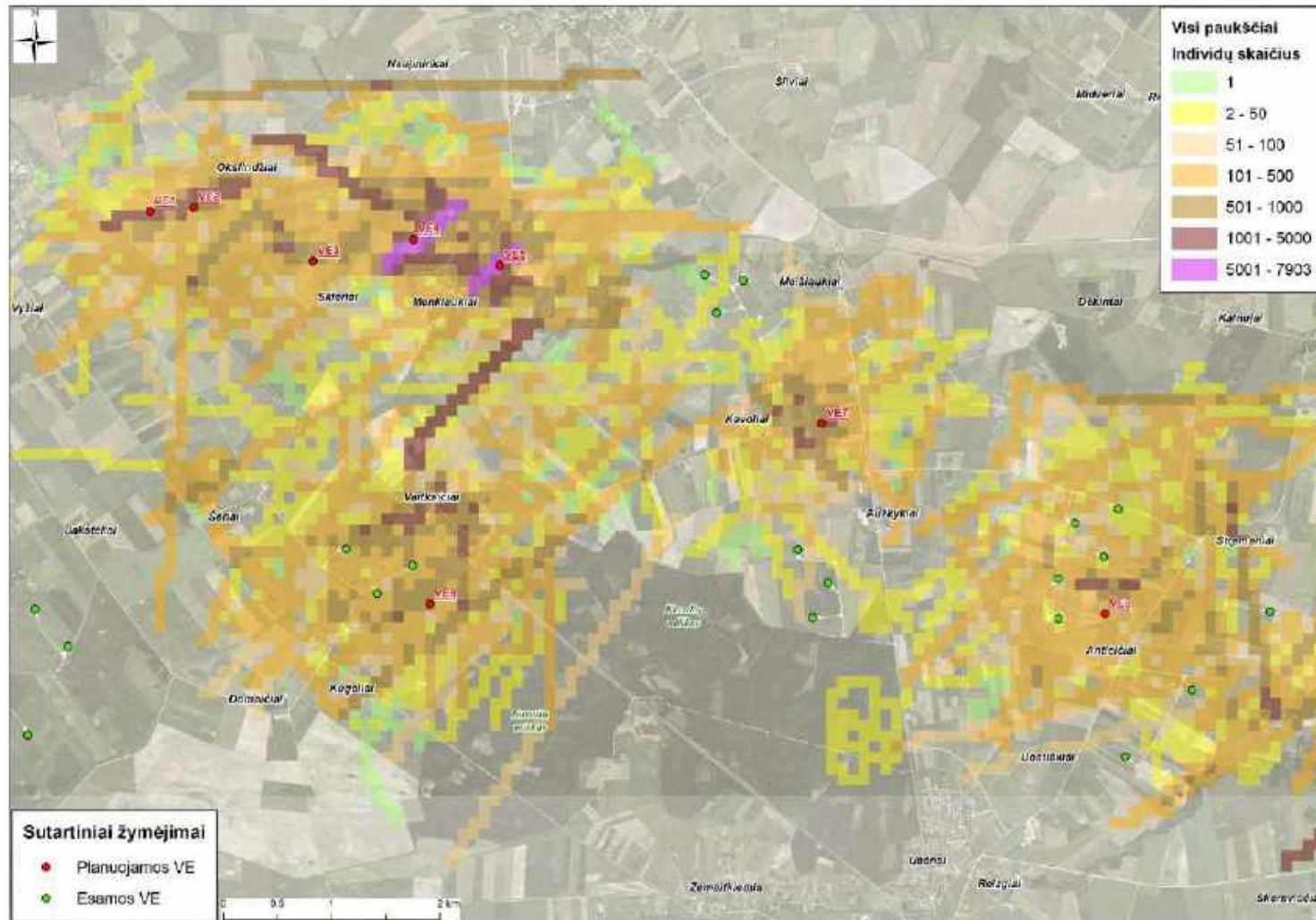
3.2.3 Paveikslas. Sėjikinių paukščių migracijų ir perskridimų intensyvumas planuojamame VE parke.



3.2.4 Paveikslas. Žašinių paukščių migracijų ir perskridimų intensyvumas planuojamame VE parke.



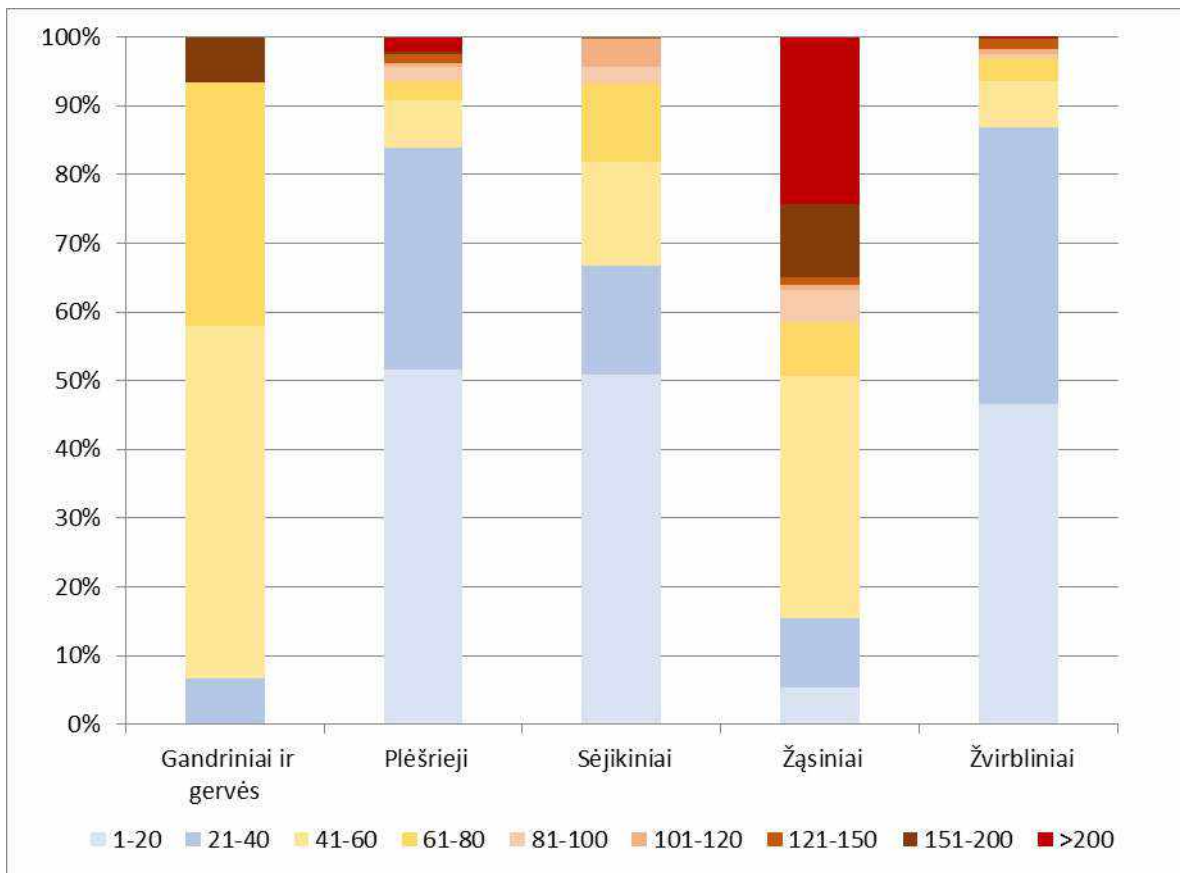
3.2.5 paveikslas. Žvirbinių paukščių migracijų ir perskridimų intensyvumas planuojamo VE parko centrinėje dalyje.



3.2.6 Paveikslas. Visų paukščių migracijų ir perskridimų intensyvumas planuojamame VE parke.

3.3. Paukščių skridimo parametrai

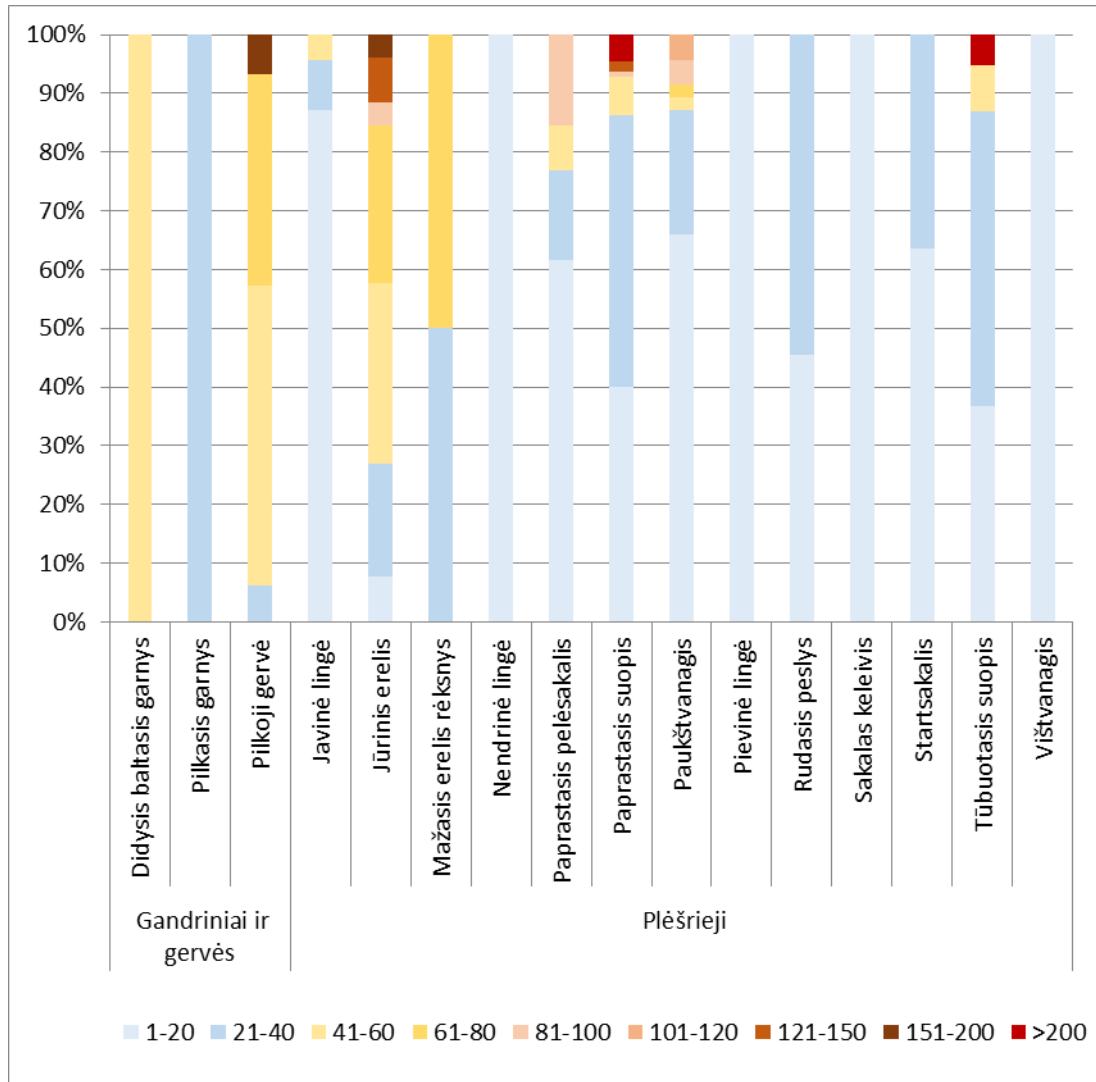
Rudens metu paukščiai skrido įvairiame aukštyje. Pagal planuojamas įrengti VE ir pagal rotoriaus bei sparnų diametrą jautrus paukščių praskridimui aukštis apytiksliai gali būti nuo 40 iki 200 metrų. Net 93 % gandrinių ir gervinių paukščių ir 60 % žąsinių paukščių skrido jautriame susidūrimams aukštyje nuo 40 iki 200 metrų. Dauguma paukščių iš kitų sistematinių grupių skrido aukštyje iki 40 metrų, tačiau dalis – 33 % sėjikinių, 14 % plėšriųjų ir 13 % žvirblinių paukščių – jautriame susidūrimams aukštyje. Virš 200 metrų skrido 24 % žąsinių paukščių, 2 % plėšriųjų paukščių, o užfiksuotas labai nedidelis kiekis aukštai skridusių žvirblinių paukščių gali ne visai tiksliai atspindėti tikrąjį jų migracijos mastą šiame aukštyje dėl daugumos šios grupės paukščių mažo dydžio, kai dideliame aukštyje skrendančius juos sudėtinga pastebėti (3.3.1 pav.).



3.3.1 Paveikslas. Paukščių skridimo aukštis pagal aukščio klases (aukštis nurodytas metrais).

Iš jautrių susidūrimams su VE paukščių, gandrinių-gervinių ir plėšriųjų paukščių, aukščiausiai skrido tūbuotieji ir paprastieji suopiai (>200 m, nors dauguma – iki 40 m), pilkosios gervės (150-200 m, dauguma 40-80 m aukštyje), jūriniai ereliai (120-200 m, dauguma 40-80 m

aukštyje), paukštvanagiai, paprastieji pelėsakaliai (80-120 m, nors dauguma – aukštyje iki 20 m), mažasis erelis rėksnys (60-80 m). Pievinės, nendrinės, javinės lingės, rudasis peslys, višvanagis, starsakalis ir sakalas keleivis skrido iki 40 m aukštyje. (3.3.2 pav.)



3.3.2 Paveikslas. Jautrių susidūrimams su VE paukščių skridimo aukštis procentais pagal aukščio klases (aukštis nurodytas metrais).

Didžioji dalis (nuo 50 iki 100 % praskridusių individų) pilkųjų gervių, didžiųjų baltųjų garnių, jūrinių erelių ir mažųjų erelių rėksnių, o bendrai – 56 % jautrių VE poveikiui paukščių skrido 40–200 metrų aukštyje (3.3.1 lent.). Todėl egzistuoja galimybė, kad pavieniai paukščiai gali patirti tiesioginio susidūrimo riziką, ypač plėšriųjų paukščių rūšys, kurios skraido

aukščiausiai, pavyzdžiui, jūrinis erelis, mažasis erelis rėksnys, rudasis peslys ir paprastasis ir tūbuotasis suopiai.

3.3.1. Lentelė. Jautrių VE paukščių grupių skrydžių pasiskirstymas iki pavojingo aukščio ir pavojingame aukštyje.

Grupė	Rūšis	Individų sk. iki 40m	Individų sk. virš 40 m	% jautriame pavojingame aukštyje
Gandriniai ir gervės	Didysis baltasis garnys	0	2	100
	Pilkasis garnys	2	0	0
	Pilkoji gervė	20	306	94
Plėšrieji	Javinė lingė	45	2	4
	Jūrinis erelis	7	19	73
	Mažasis erelis rėksnys	1	1	50
	Nendrinė lingė	5	0	0
	Paprastasis pelėsakalis	10	3	23
	Paprastasis suopis	95	15	14
	Paukštvanagis	41	6	13
	Pievinė lingė	2	0	0
	Rudasis peslys	11	0	0
	Sakalas keleivis	1	0	0
	Startsakalis	11	0	0
	Tūbuotasis suopis	33	5	13
	Vištvanagis	3	0	0
Iš viso:		287	359	56

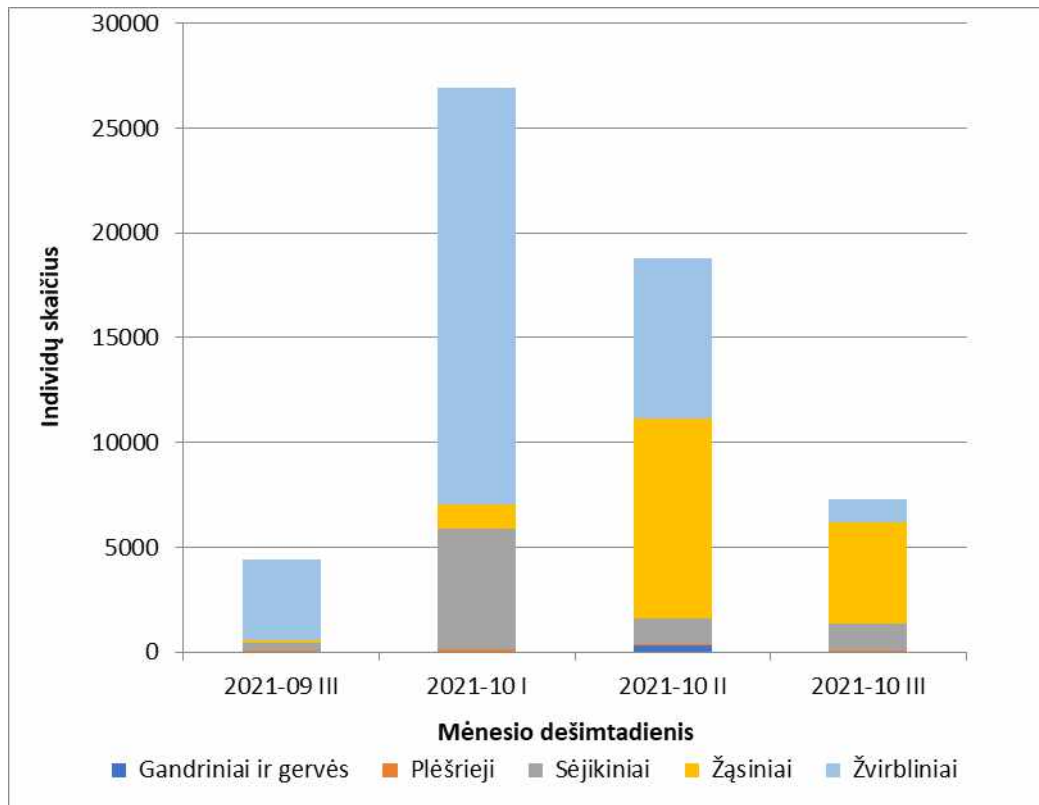
3.4. Fenologija

Stebėjimai buvo pradėti vykdyti rugsėjo 21 dieną ir praskridimų dinamika fiksuota iki spalio mėnesio 29 dienos. Intensyviausias paukščių traukimo periodas buvo spalio pirmasis ir antrasis dešimtadieniai (3.4.1. pav.)

Plėšrieji paukščiai nėra gausi grupė, todėl tarp daugybės individų stebėjimų jų migracijos pikų nesimato. Remiantis kitais tyrimais, aiškios plėšriųjų paukščių grupės fenologijos dinamikos nesimato, nes vietines rūšis (mažuosius erelius rėksnius, ruduosius ir juoduosius peslius) pakeičia iš kitur atskirdę paprastieji ir tūbuotieji suopiai, migruojantys paukštvanagiai.

Pagal stebėjimus planuojamo VE parko teritorijoje gervių migracija rugsėjo pabaigoje nevyko, matyt, dėl netinkamų oro sąlygų, o paskutiniai būriai gausiau skrido spalio antrąjį

dešimtadienį. Žvirblinių paukščių skridimo pikas stebėtas spalio pirmąjį, o žąsinių – spalio antrąjį dešimtadienį. Tai atitinka daugiamečius šių paukščių fenologinius tyrimus Lietuvoje. Spalio mėnesį gausiau skrido žąsiniai paukščiai.



3.4.1Paveikslas. Paukščių grupių migracijos ir perskridimų dinamika planuojamo VE parko teritorijoje.

3.5. Paukščių skridimas vėjaračio zonoje

Buvo atliktas modeliavimas ir sumodeliuoti paukščių skrydžiai tokiaame aukštyje, kur yra vėjaratis. Pagal paukščių skrydžio trajektoriją ir aukštį buvo sukurtas modelis kiek, kurių paukščių būtų patekę į vėjaračio zoną, jei skirstų nežiūrėdami į tariamas VE. Šių paukščių skrydžiai pavaizduoti 3.2 skyriuje pateiktuose žemėlapiuose. Pateikti duomenys rodo, kad jautriausios VE dėl galimo teorinio paukščių susidūrimo su vėjaračio zona yra VE2, pro kurią praskrido 650 paprastųjų kikilių, 346 žąsys ir 85 pempės, bei VE4, pro kurią praskrido 500 mėlynųjų zylių, 217 žąsų, 200 dirvinių vievėsių. Taip pat išsiskyrė VE7, kur praskrido 390

pempių ir 73 pilkosios gervės (3.5.1 lentelė). Teoriškai visos VE gali turėti neigiamą poveikį dėl susidūrimo, nes iš šių surinktų duomenų nėra galimybės tiksliai prognozuoti neigiamo poveikio. Migruojantys paukščiai, matydami kliūtį prieš save, gali įvertinti ją ir pasukti į šoną. Iš atliktų panašių tyrimų kituose VE parkuose buvo nustatyta, kad taip elgiasi gervės, gulbės, žąsys ir daugelis vandens paukščių. Todėl susidūrimo rizika žąsiniams, gerviniams paukščiams šiame VE parke yra labai maža. Didžiausią riziką tikėtina gali patirti vietoje perinčios ar migruojančios plėšriųjų paukščių rūšys, kaip paprastasis suopis, jūrinis erelis ar mažasis erelis rėksnys. Nors tyrimų metu nenustatytas intensyvus plėšriųjų paukščių skraidymas planuojamų VE vėjaračio zonoje (išskirta lentelėje), tačiau perėjimo metu teritorija yra intensyviai naudojama šios grupės paukščių (3.5.1. lentelė).

3.5.1. Lentelė. Migruojančių paukščių skridimas vėjaračio zonoje, Šilutės VE 2021m.

Rūšis	Planuojamos VE Nr.								Iš viso
	VE1	VE2	VE3	VE4	VE5	VE6	VE7	VE8	
Baltakaktė žąsis	85	91	90	90		30	35		421
Didysis kormoranas					3				3
Didžioji antis								8	8
Dirvinis sėjikas					83			25	108
Dirvinis vieversys	100		24	200			10		334
Javinė lingė					1				1
Jūrinis erelis								1	1
Kirai sp.						26			26
Kranklys								1	1
Kuosa						58			58
Lygutė				3					3
Mėlynoji zylė				500					500
Paprastasis kikilis		650							650
Paprastasis kiras							7		7
Paprastoji pėmpė		85		1			390		476
Perkūno oželis				1					1
Pilkoji gervė							73		73
Pilkoji varna						7	8		15
Smilginis strazdas				2					2
Uolinis karvelis						16			16
Žąsys sp.	130	130						163	423
Želmeninė žąsis	60	125		127		32			344
Iš viso	375	1081	114	924	87	169	523	198	3471

3.6. Paukščių sankaupos

Iš viso 2021 metų rudens tyrimų ir apskaitų metų buvo suskaičiuoti 32198 paukščiai santalkose. Daugiausiai buvo stebima žvirblinių paukščių – 44,9 %. Panašiu santykiu sankaupose stebėti žasiniai ir sėjikiniai paukščiai, atitinkamai po 29,1 % ir 25,8 %. Likusią labai nežymią dalį sudarė plėšrieji bei gandriniai-gerviniai paukščiai – iki 0,1 % (3.6.1. lentelė).

3.6.1. Lentelė. Paukščių, sudarančių santalkas, gausumas ir procentinė sudėtis

Paukščių grupės	Individai	Gausumas, %
Gandriniai ir gervės	1	0.0
Plėšrieji	38	0.1
Sėjikiniai	8314	25.8
Žasiniai	9383	29.1
Žvirbliniai	14462	44.9
Iš viso	32198	100

Rusėjo trečiąjį ir spalio pirmąjį dešimtadienį, dirbamos žemės plotuose ir pievose buvo stebimos dirvinių vėversių santalkos iki 400 individų. Tuo metu gausiai migruojant žvirbliniams paukščiams, registruotos trumpalaikės iki 1000 individų besimaitinančių paprastųjų ir šiaurinių kikilių, taip pat paprastųjų varnėnų iki 2000 individų santalkos dirbamuose laukuose. Spalio antrąjį ir trečiąjį dešimtadieniais pagausėjo paprastųjų čivylių (iki 250 individų) ir geltonųjų stratų (iki 50 individų) būreliai pakelių bei melioracijos kanalų piktžolynuose ar dirbamuose laukuose (3.6.1 pav., 3.6.2. lentelė).

3.6.2. Lentelė. Paukščių santalkų suminis gausumas planuojamo VE parko teritorijoje ir gretimose teritorijose

Grupė	Rūšis	Stebėjimų dešimtadienis				Iš viso
		2021-09 III	2021-10 I	2021-10 II	2021-10 III	
Gandriniai ir gervės	Baltasis gandras			1		1
Iš viso (gandriniai ir gervės)				1		1
Plėšrieji	Jūrinis erelis				1	1
	Paprastasis suopis	11	7	3	11	32
	Paukštvanagis				1	1
	Tūbuotasis suopis		3		1	4
Iš viso (plėšrieji)		11	10	3	14	38
Sėjikiniai	Dirvinis sėjikas	304	80	751	26	1161

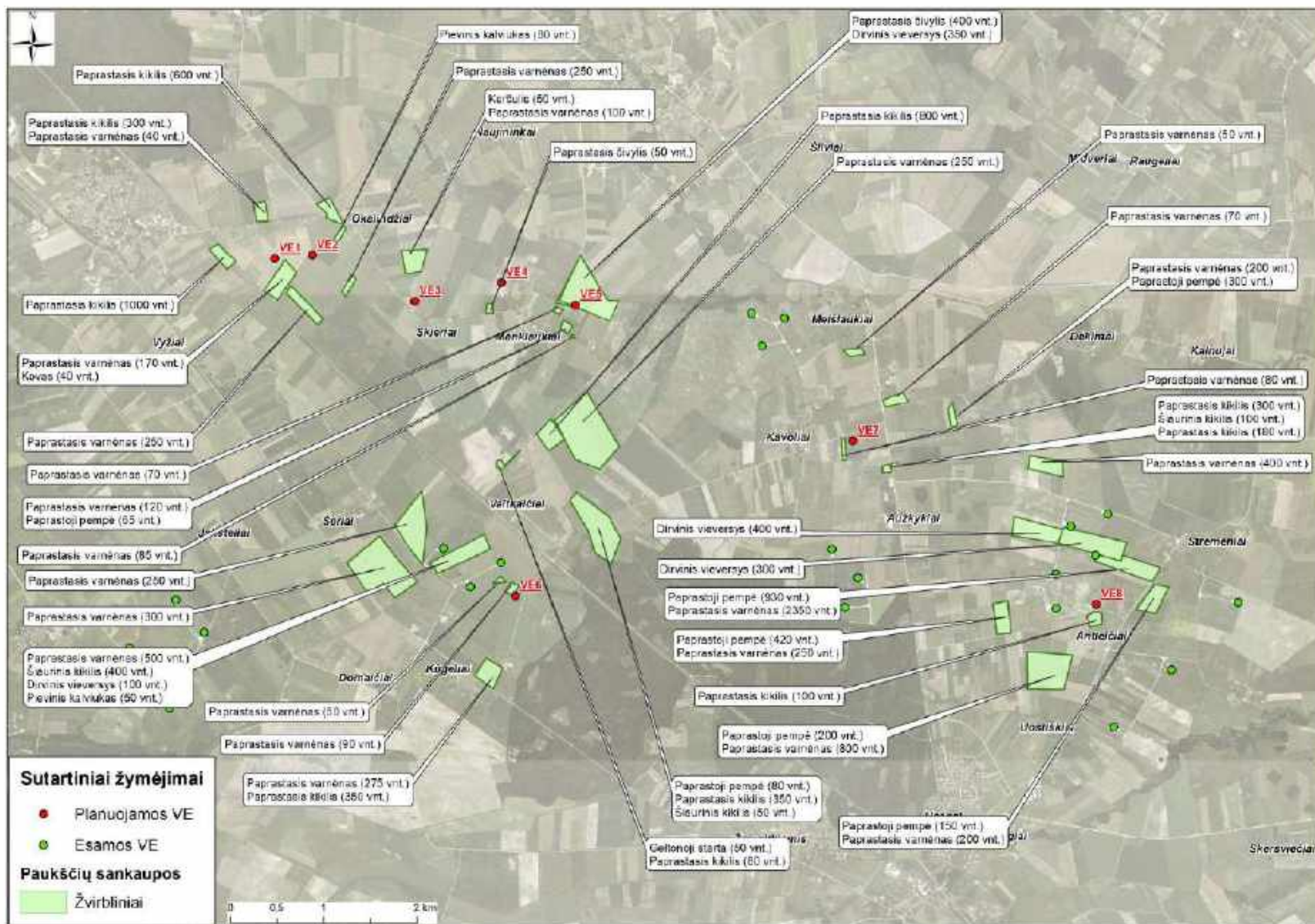
	Gaidukas		7			7
	Kirai	250			46	296
	Oželis nykštukas				1	1
	Paprastasis kiras	105	367	20	1264	1756
	Paprastoji pempė	640	1385	1796	592	4413
	Perkūno oželis				2	2
	Rudagalvis kiras	334	274	30	40	678
Iš viso (sėjikiniai)		1633	2113	2597	1971	8314
Žąsiniai	Baltakaktė žąsis			65	5935	6000
	Baltaskruostė berniklė				26	26
	Didžioji antis		7		32	39
	Eurazinė cypė				254	254
	Gulbė giesmininkė		20	10	5	35
	Mažoji gulbė			6		6
	Pilkoji žąsis				110	110
	Rudagalvė kryklė				70	70
	Smailiauodegė antis				12	12
	Žąsys			100	265	365
	Želmeninė žąsis		95	65	2306	2466
Iš viso (žąsiniai)			122	246	9015	9383
Žvirbliniai	Baltoji kielė	10				10
	Didžioji zylė				5	5
	Dirvinis vieversys	100	400	674	5	1179
	Dūminė raudonuodegė		1			1
	Geltonoji starta				126	126
	Juodagalvė sniegėna			12		12
	Juodoji meleta				1	1
	Karklažvirblis	35	8		16	59
	Kėkštas			2	4	6
	Keršulis	126	54	3		183
	Kovas				40	40
	Kranklys	33	6	23	35	97
	Kuosa	51			22	73
	Kurapka				4	4
	Paprastasis čivylis	25		400	54	479
	Paprastasis kikilis	1700	2290	180	441	4611
	Paprastasis varnėnas	2220	2975	950	575	6720
	Pietinis purplelis			4		4
	Pievinis kalviukas	130				130
	Pilkoji meleta			1		1
	Pilkoji varna	9	10	5	18	42
	Plėšrioji medšarkė		2		3	5
	Šarka	7	2	10	12	31
Šelmeninė kregždė		4			4	

	Šiaurinis kikilis	420	120		50	590
	Uldukas	35				35
	Uolinis karvelis	6		7		13
	Žaliukė				1	1
Iš viso (žvirbliniai)		4907	5872	2271	1412	14462
	Iš viso	6551	8117	5118	12412	32198

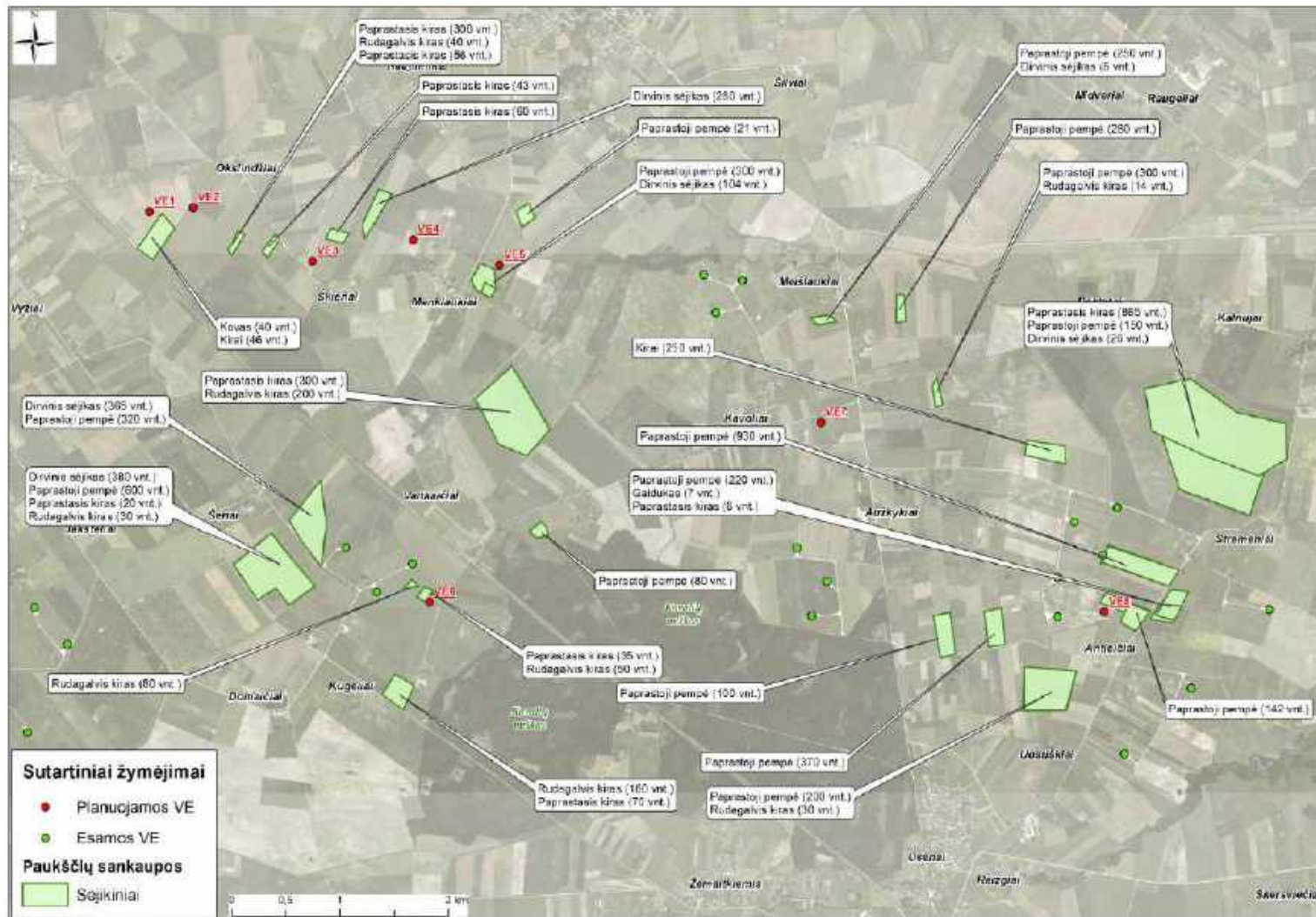
Pempės ir dirviniai sėjikai ilsėjosi sudygusiuose žiemkenčiuose, arimuose ir ganyklose, jų santalkos buvo aptinkamos visą stebėjimo laikotarpį, o gausiausios – spalio antrąjį dešimtadienį, pulkais atitinkamai iki 600 ir 350 individų, į šiaurės vakarus nuo planuojamos VE6 bei į šiaurę šalia VE8. Mišrūs būriai paprastųjų ir rudagalvių kirų klajojo maitindamiesi visoje planuojamo VE parko teritorijoje dirbamuose laukuose, pievose ir šlapesnėse vietose, sudarydami sankaupas iki 800 individų kelioms valandoms, dažniausiai šviežiuose arimuose (3.6.2. pav., 3.6.2. lentelė). Tinkamų buveinių gausa tiek šioje, tiek aplinkinėse teritorijose leidžia sėjikiniams paukščiams pasirinkti optimalias poilsio ir maitinimosi vietas, jų gausumas labiausiai priklauso nuo žemės ūkio darbų pobūdžio ir laiko, todėl neigiamas poveikis migruojantiems ir laikinai apsistojantiems dirviniams sėjikams, pempėms, kirams – nenumatoma. Šiems paukščiams tinkamos buveinės nebus sunaikintos ar pakeistos.

Gulbės giesmininkės (5-13 individų) reguliariai stebėtos spalio mėnesį dirbamoje žemėje su susiformavusiomis laukų balomis į šiaurės rytus nuo VE8. Čia spalio antrąjį dešimtadienį trumpam buvo apsistoję ir 6 mažosios gulbės. O spalio pabaigoje registruota gana gausi eurazinių cyplių (250 individų) su rugalavėmis kryklėmis (70 individų) ir didžiosiomis bei smailiauodegėmis antimis santalka (3.6.3 pav., 3.6.2. lentelė).

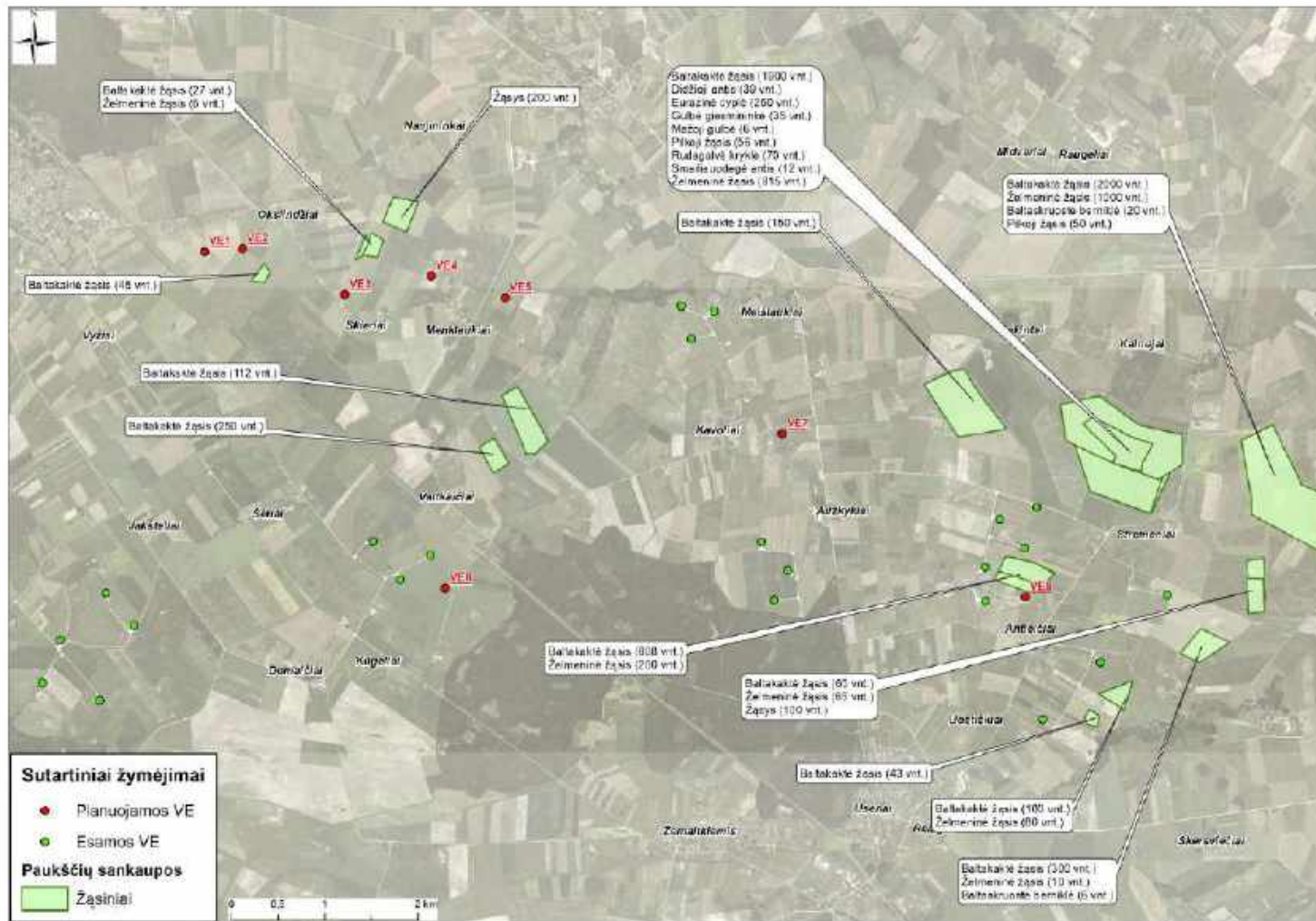
Trečiąjį spalio dešimtadienį skaitlingi žąsų, daugiausiai baltakakčių ir želmeninių, būriai maitinosi ir ilsėjosi kukurūzų ražienų, žiemkenčių ar rapsų laukuose ir ganyklose, esančiuose 180° spinduliu šiaurės vakarų – pietryčių kryptimi nuo VE8, tarp Dėkintelių, Antšyšių ir Šlaunių gyvenviečių, taip pat visai prie pat planuojamos VE8. Paukščiai gana dažnai pabaidyti jūrinių erelių ar žmonių kilo, perskridinėjo į gretimus laukus, vienu metu minėtoje teritorijoje buvo keletas tūkstančių žąsų. Ne tokie gausūs būriai, iki 200 individų, stebėti tarp VE3 ir VE4 į šiaurę esančiuose žiemkenčių ir kukurūzų ražienų laukuose. (3.6.3 pav., 3.6.2. lentelė)



3.6.1 Paveikslas. Migruojančių paukščių (žvirbliniai ir pempės) sankaupų vietos planuojamo Šilutės VE parko teritorijoje 2021 m.



3.6.2. Paveikslas. Migruojančių paukščių (sėjikiniai) sankaupų vietos planuojamo Šilutės VE parko teritorijoje 2021 m.



3.6.3. Paveikslas. Migruojančių paukščių (žąsiniai) sankaupų vietos planuojamo Šilutės VE parko teritorijoje 2021 m.

3.7. Gyvenančių ir perinčių paukščių tyrimai

Jautrių VE poveikiui perinčių paukščių apskaitos atliktos 2021 metų pavasarį ir vasarą. Buvo tikrinamos lizdavietės pavasario metu, o vasaros metu tikrinimas lizdų užimtumas. Kūlynų miške buvo identifikuotos 2 mažojo erelio rėksnio perimvietės, po vieną rudojo peslio, paprastojo suopio ir juodojo gandro lizdavietę. Aplink perinčių paukščių lizdus buvo apibrėžti intnsyviausiai naudojamą ploto poligonai (3.7.1. pav.). Arčiausiai jautrių VE poveikiui paukščių rūšių lizdavičių yra VE Nr. 6. Taip pat aplinkinėse teritorijose, pievose ir dirbamuose laukuose peri įprastos paukščių rūšys kaip geltonosios startos, pieviniai kalviukai, vieversiai, pempės, karklinės nendrinukės, kiauliukės, karveliai keršuliai ir kt. Nejautrios VE poveikiui rūšys nebuvo specialiai žymimos ar ieškomos. Taip pat gretimose teritorijose buvo stebėtos dvi poros pilkųjų gervių su jaunikliais. Gervių lizdai nebuvo identifikuoti, nes jos jau vedžiojosi jaunikius ir nuo lizdinių teritorijų buvo nutolusios nežinomą atstumą.

Pagal perinčių paukščių pasiskirstymą pavojingiausia planuojama VE yra Nr. 6. Kitos VE yra panašiai nutolusios saugiu atstumu nuo Kūlynų miško.



3.7.1. Paveikslas. Jautrių VE poveikiui perinčių paukščių lizdavičių ir lizdų vietos bei atstumai iki planuojamų VE.

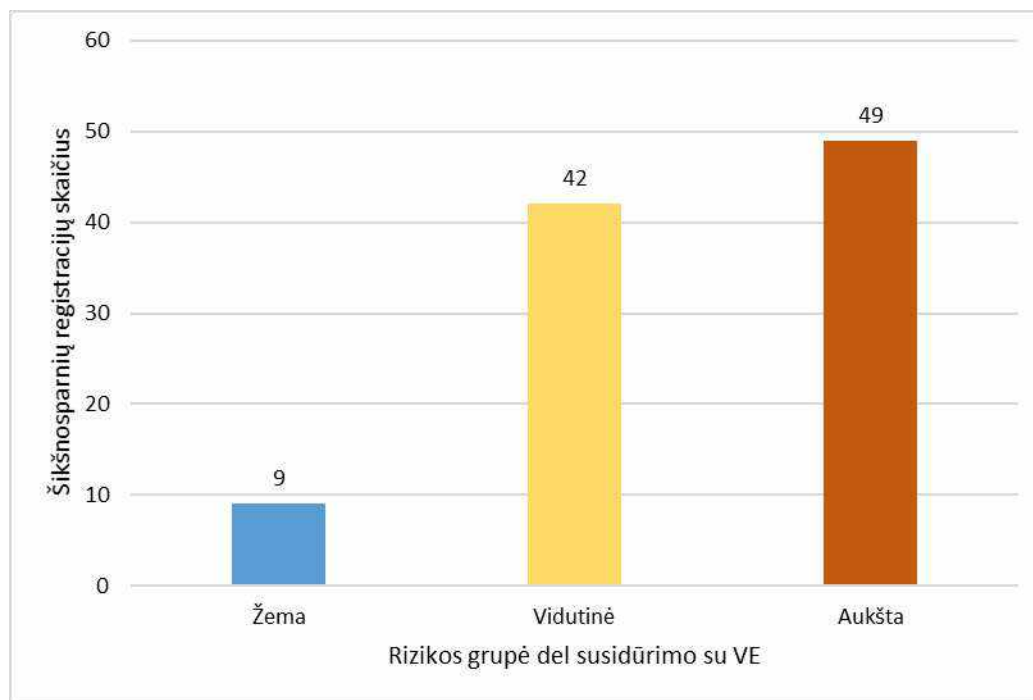
3.8. Besiveisiantys ir migruojantys šikšnosparniai

Kadangi aplinkinėse teritorijose jau veikia Juknaičių VE ir, iš atliktų tyrimų tose vietovėse, poveikio nebuvo nustatyta besiveisiantiems šikšnosparniams, o jų žūtys fiksuotos tik migracijos metu rugpjūčio ir rugsėjo mėnesiais. Todėl tyrimai buvo orientuoti į migruojančių rūšių įvairovę ir gausumą. Šikšnosparniai planuojamame VE parke buvo skaičiuojami mobiliaisiais šikšnosparnių ultragarso detektoriais (Wildlife Acoustics) jų migracijos metu, o analizė atlikta Wildlife Acoustics Kaleidoscope Pro programa. Maršrutinės apskaitos apėmė visų būsimą VE parko teritoriją ir ribas už jos. Stebėjimai buvo atlikti intensyviu šikšnosparnių migracijos periodu, rugsėjo - spalio mėnesio I pusėje. Buvo stebimas šikšnosparnių aktyvumas skirtingose planuojamo VE parko vietose. Apskaitos atliktos apvažiuojant ir stovint stebėjimo taškuose po 30 min, kuomet oro temperatūra buvo daugiau nei 10° C ir pūtė ne stipresnis nei 5m/s vėjas. Apskaitų metu buvo užfiksuotos 9 šikšnosparnių rūšys (3.8.1 lentelė.). Gausiausiai buvo registruotas Natuzijaus šikšniukas (41 registracija) ir vėlyvasis šikšnys (23 registracijos). Iš aukštos rizikos dėl susidūrimų su VE šikšnosparnių rūšių buvo užfiksuotos 4 rūšys (mažasis nakviša, rudasis nakviša, natuzijaus šikšniukas ir vėlyvasis šikšnys), kurios sudarė 49% visų registruotų rūšių. Vidutinės rizikos grupės šikšnosparniams buvo priskirtos šiaurinis ir vėlyvasis šikšniai, šikšniukai mažylis ir nykštukas, kurie sudarė 42% visų registracijų. O nejautrių VE poveikiui rūšių, žemos rizikos grupei buvo priskirta vienintelė saugoma rūšis – Europinis plačiaausis. Planuojamo VE parko teritorijos vyrauja aukštos ir vidutinės rizikos grupių šikšnosparnių rūšys, kurios abi sudarė 91% visų registracijų migracijos metu (3.8.1. pav.).

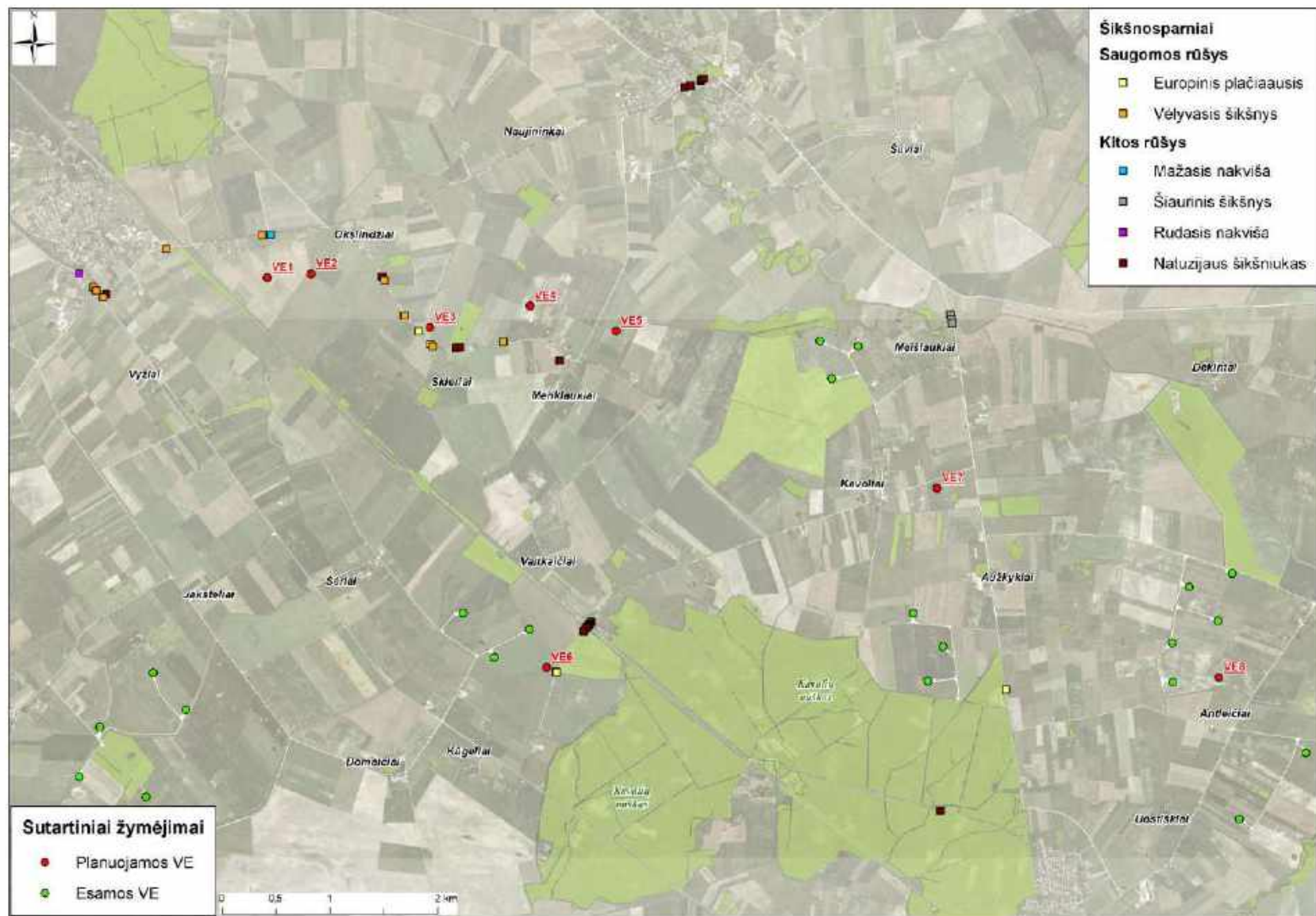
Iš atliktų tyrimų galima manyti, kad planuojamos VE gali daryti neigiamą poveikį šikšnosparniams jų migracijos metu. Planuojamos VE veikia visus metus, o šikšnosparnių migracijos intensyvumas yra du mėnesius (nuo rugpjūčio iki rugsėjo). Todėl migracijos metu reiktų taikyti poveikio mažinimo priemones planavimo ir VE veiklos metu. Pagal gretimame VE parke taikomą priemonę – startinio vėjo greičio didinimas šikšnosparnių migracijos metu – buvo sumažintas šikšnosparnių žūčių skaičius apie 60%. Todėl galima manyti apie panašios priemonės taikymą planuojamoms VE, kur reiktų taikyti startinio vėjo didinimą šikšnosparnių migracijos metu iki 5,5 - 6 m/s.

3.8.1 lentelė. Šikšnosparnių rūšinė sudėtis ir registracijų skaičius, veisimosi metu planuojamame Usėnų ir Juknaičių sen. Šilutės r. VE parke ir už jo ribos. *LRK – Lietuvos raudonoji knyga

Nr.	Rūšis Sutr.	Rūšis Lietuviškai	Rūšis Lotyniškai	Registracijų skaičius	Rizikos grupė	Buveinių direktyva	LRK*
1	BARBAR	Europinis plačiaausis	Barbastella barbastellus	9	Žema	Taip, IV priedas	Taip
2	EPTNIL	Šiaurinis šikšnys	Eptesicus nilsonii	9	Vidutinė		
3	EPTSER	Vėlyvasis šikšnys	Eptesicus serotius	23	Vidutinė		Taip
4	NYCLEI	Mažasis nakviša	Nyctalus leisleri	2	Aukšta		
5	NYCNOC	Rudasis nakviša	Nyctalus noctula	5	Aukšta		
6	PIP NAT	Natuzijaus šikšniukas	Pipistrellus nathusii	41	Aukšta		
7	PIPPYG	Šikšniukas mažylis	Pipistrellus pygmaeus	1	Vidutinė		
8	PIPPIP	Šikšniukas nykštukas	Pipistrellus pipistrellus	9	Vidutinė		
9	VESMUR	Dvispalvis plikšnys	Vespertilio murinus	1	Aukšta		Taip
	NoID	Šikšnosparnis sp.		8			
	Iš viso			108			



3.8.1. Paveikslas. Šikšnosparnių registracijos pagal jų rizikos lygį VE poveikui.



3.8.1 Paveikslas. Šikšnosparnių pasiskirstymas planuojamo VE parko teritorijoje ir už jos ribų.

4. SUMINIO POVEIKIO VERTINIMAS

4.1. Paukščių ir šikšnosparnių tyrimai gretimose teritorijose

Veikiančių VE poveikis paukščiams ir žinduoliams UAB „Šilutės vėjo projektai“ Juknaičių, Usėnų ir Katyčių seniūnijose esančiame VE parke

Paukščių ir šikšnosparnių tyrimai 24 VE parke vykdyti nuo 2016 iki 2021 metų. Per visus tyrimų metus buvo nustatyti patys reikšmingiausi poveikiai ir taikytos įvairios priemonės poveikiui mažinti. Veikiančios VE nesudarė neigiamos įtakos perinčių paukščių gausumui, nesudarė barjero efekto migruojantiems paukščiams, nesukėlė buveinių pokyčių. Tačiau didžiausias neigiamas poveikis buvo užfiksuotas perintiems plėšriesiems paukščiams ir gandrums, bei migruojantiems šikšnosparniams.

UAB „Šilutės vėjo projektai“ žuvusių gyvūnų tyrimai po vėjo jėgainėmis buvo atliekami reguliariai tikrinant dešimt VE. Šešios iš tyrimo metu tikrintų VE pastatytos maždaug 400-2000 metrų, likusios keturios – apie 4000 metrų atstumu nuo numatytų įrengti VE, todėl duomenys gana gerai atspindi galimą būsimų VE poveikį paukščiams ir šikšnosparniams.

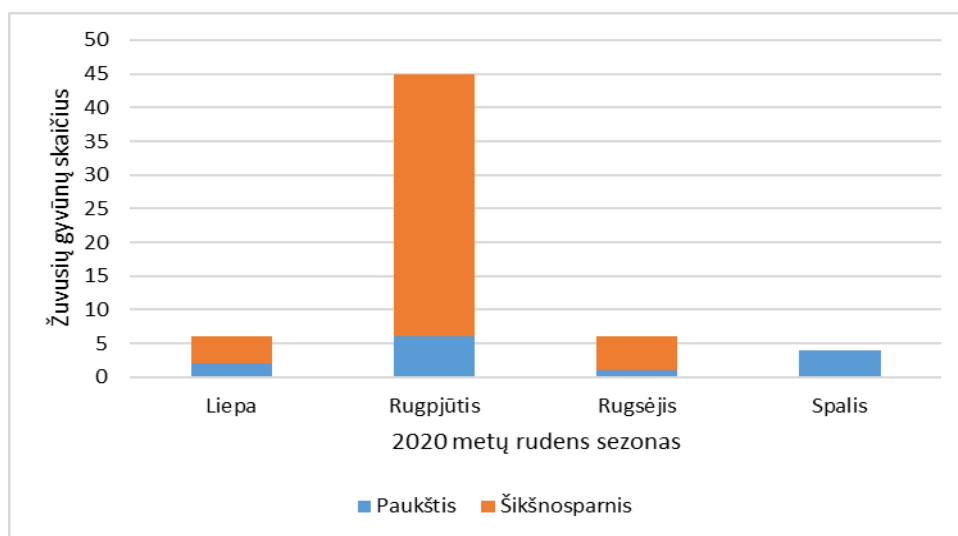
Atskirais metais žuvusių gyvūnų skaičius svyravo nuo 15 iki 27 paukščių arba nuo 6 iki 48 šikšnosparnių. Atskirais metais tendencijos išlikdavo tos pačios. Nereikšmingu poveikiu buvo laikomos įprastų, nesaugomų paukščių rūšių žūtys kaip nykštukai, dirviniai vieversiai ir kiti žvirbliniai paukščiai. Tačiau buvo nustatytos jautriausios gyvūnų grupės, kurios patirdavo tiesioginio susidūrimo su VE poveikį – plėšrieji paukščiai (mažasis erelis rėksnys, paprastasis suopis) ir baltieji gandrai. Dalis žuvusių gyvūnų buvo/yra įrašytos į Lietuvos raudonąją knygą, kaip mažasis erelis rėksnys, kurapka, dvispalvis plikšnys ir vėlyvasis šikšnys. Taip pat buvo nustatytas reikšmingas neigiamas poveikis šikšnosparniams (Natuzijaus šikšniukams, rudiesiems nakvišoms, dvispalviams plikšniams, šikšniukams nykštukams ir kt.) (4.1.1 lentelė).

4.1.1 Lentelė. Paukščių ir šikšnosparnių žuvusių dėl VE poveikio rūšinė įvairovė (LSRS – Lietuvos saugomų rūšių sąrašas). UAB „Šilutės vėjo projektai“, 2019 ir 2020 metų ataskaitų duomenys.

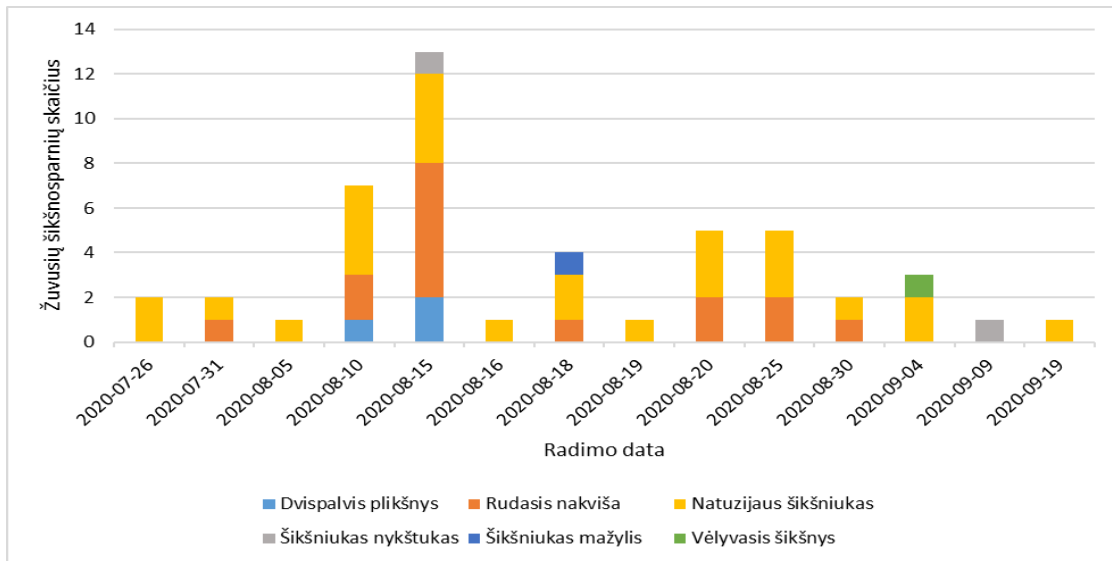
Gyvūnas	Pavadinimas	2016 RUD	2017 PAV	2017 RUD	2018 PAV	2018 RUD	2019 PAV	2020 RUD	Iš viso:	LRK	
Paukščiai	Paprastasis nykštukas	4	8	2		1		1	16		
	Dirvinis vieversys		3	1	3		2	2	11		
	Mažasis erelis rėksnys	1	1	1	1	1		2	7	LRK	
	Baltasis gandras		1	1		1	1		4		
	Liepsnelė	3			1				4		
	Keršulis	1		1		1			3		
	Paprastasis suopis				2		1	1	4		
	Baltakaktė žąsis		1				1		2		
	Juodasis čiurlys			1		1			2		
	Nendrinė vištelė				2				2		
	Strazdas giesmininkas				2				2		
	Baltabruvis nykštukas		1						1		
	Baltabruvis strazdas		1						1		
	Didžioji antis		1						1		
	Didžioji zylė	1							1		
	Geltonoji starta				1				1		
	Giesmininkas strazdas		1						1		
	Gulbė nebylė				1				1		
	Kuoduotoji antis				1				1		
	Langinė kregždė							1	1		
	Paprastasis kikelis					1			1		
	Paprastasis varnėnas			1					2	3	
	Perkūno oželis			1					1		
	Rudagalvis kiras						1		1		
	Pievinis kalviukas								1	1	
	Paprastoji pempė								1	1	
	Kurapka								1	1	LRK
	Mėlynoji zylė								1	1	
	Iš viso paukščių:		10	18	9	14	7	5	12	76	
Šikšnosparniai	Natuzijaus šikšniukas	3		11		17	1	26	58		

Rudasis nakviša	1		8		1		15	25	
Šikšniukas nykštukas	1		2		4		2	9	
Dvispalvis plikšnys			5		1		3	9	LRK
Šiaurinis šikšnys	1		1		1			3	
Pipistrellus sp.					2			2	
Velyvasis šikšnys			1		1			2	LRK
Sopraninis šikšniukas			1				1	2	
Iš viso šikšnosparnių:	6		29		27	1	48	110	
Iš viso per sezoną:	16	18	38	14	34	6	60	126	

Daugiausiai šikšnosparnių žūdavo rudeninės migracijos metu rugpjūtį-rugsėjį, paukščiai žūdavo tiek pavasario, tiek rudens metu. Jautrios VE poveikiui paukščių rūšys dažniausiai žūdavo po žemės ūkio darbų gretimuose plotuose nuo antros vasaros pusės (4.1.1. pav.). Šikšnosparnių žūtys buvo fiksuojamos nuo jų migracijos pradžios iki rugsėjo II dekados (4.1.2. pav.)



4.1.1. Paveikslas. Žuvusių gyvūnų klasių pasiskirstymas mėnesiais rudens sezono metu (UAB „Šilutės vėjo projektai“ 2020 metų ataskaitos duomenys).



4.1.2. Paveikslas. Šikšnosparnių žuvimo fenologija 2020 metų rudenį nuo liepos 26 iki spalio 26 dienos. (UAB „Šilutės vėjo projektai“ 2020 metų ataskaitos duomenys).

Iš jautrių VE poveikiui paukščių rūšių (plėšriųjų paukščių grupė) buvo nustatytas didelis mažųjų erelių rėksnių ir paprastųjų suopių žūčių skaičius. Mažieji ereliai rėksniai subręsta tik 4-5 metais gyvenimo metais, paprastai pora užaugina tik po vieną jauniklį, todėl kiekvieno suaugusio paukščio žuvimas yra didelis praradimas visai populiacijai, ypač jauniklių auginimo metu (dėl vieno dingusio poros nario jaunikliai taip pat galėjo neišgyventi).

Jautriausios paukščiams UAB „Šilutės vėjo projektai“ VE grupė buvo Nr. 10, 11, 12, kuri yra arčiausiai planuojamos VE Nr. 6. Šikšnosparniams jautriausios VE yra žemiau kelio Šilutė – Pagėgiai ir VE ties Kūgelių kaimu (Nr. 10, 11, 12), taip pat VE kurios yra arčiausiai Kūlynų miško. Todėl vertinant galimas rizikas dėl žūvančių gyvūnų pavojingiausia yra planuojama VE Nr. 6. Dėl kitų VE veiklos ir galimo jų poveikio reiktų atlikti poveikio vertinimą.

4.2. Suminio poveikio vertinimas

Jau veikiančiame UAB „Šilutės vėjo projektai“ VE parke yra nustatytas reikšmingas poveikis mažajam ereliui rėksniui ir migruojantiems šikšnosparniams. Dėl šių poveikių veikiantis VE parkas taiko prevencines ir kompensacines priemones. Įvertinus bendrą galimą poveikį VE parkų poveikį, poveikis paukščiams ir šikšnosparniams padidėtų tuo atveju jei nebūtų imtasi prevencinių ir poveikį mažinančių priemonių. Didžiausias poveikis gali būti tiesioginiam šikšnosparnių ir plėšriųjų paukščių žuvimui. Paukščiai ir šikšnosparniai galėtų žūti, jei nebus

taikomos poveikį mažinančios priemonės. Jei priemonės bus įgyvendintos tikėtina kad suminis poveikis nesikeis ir išliks nepakitęs, ir nebus didesnis nei dabar veikiančio VE parko sukuriamas poveikis.

4.2.1. lentelė. Suminio poveikio vertinimo lentelė jau veikiančio 24 VE parko ir planuojamo naujo 8 VE parko.

Poveikis	Esamas VE parkas UAB „Šilutės vėjo projektai“ 24 VE	Planuojamas 8 VE parkas	Abu parkai kartu
Migracijos barjero, kliūtis efektas	Nereikšmingas	Nereikšmingas	Nereikšmingas
Poveikis įprastiems saugomiems perintiems paukščiams	Nereikšmingas	Nereikšmingas	Nereikšmingas
Mitybos plotų praradimas	Poveikis fiksuojamas arčiausiai VE perintiems plėšriesiems paukščiams. Vengia naudoti teritorijas prie pat VE.	Gali vengti vengti plotų kur numatomos įrengti VE Nr. 1, 2, 3, 4, 5.	Galimas silpnas poveikis
Tiesioginis žuvinimas jautrioms VE poveikiui paukščių rūšims	Reikšmingas. Mažiesiems ereliams rėksniams, vidutiniškai- suopiams ir nereikšmingas baltiesiems gandrums. Imtasi poveikio mažinimo priemonių.	Galimas vidutinis poveikis mažiesiems ereliams rėksniams, ir vidutiniškai paprastiems suopiams. Reikia imtis poveikio mažinimo priemonių.	Galimas reikšmingas poveikis, jei nebus imtasi poveikio mažinimo priemonių.
Tiesioginis žuvinimas šikšnosparniams.	Reikšmingas. Imtasi priemonių poveikį sumažinti. Po priemonių pritaikymo poveikis laikomas vidutinis.	Reikšmingas. Reikia planuoti priemonės poveikiui mažinti iki nereikšmingo.	Reikšmingas. Imantis priemonių poveikį galima sumažinti iki silpno ar nereikšmingo.
Sankaupų sudarymas, tirkdymas	Nereikšmingas	Nereikšmingas	Nereikšmingas

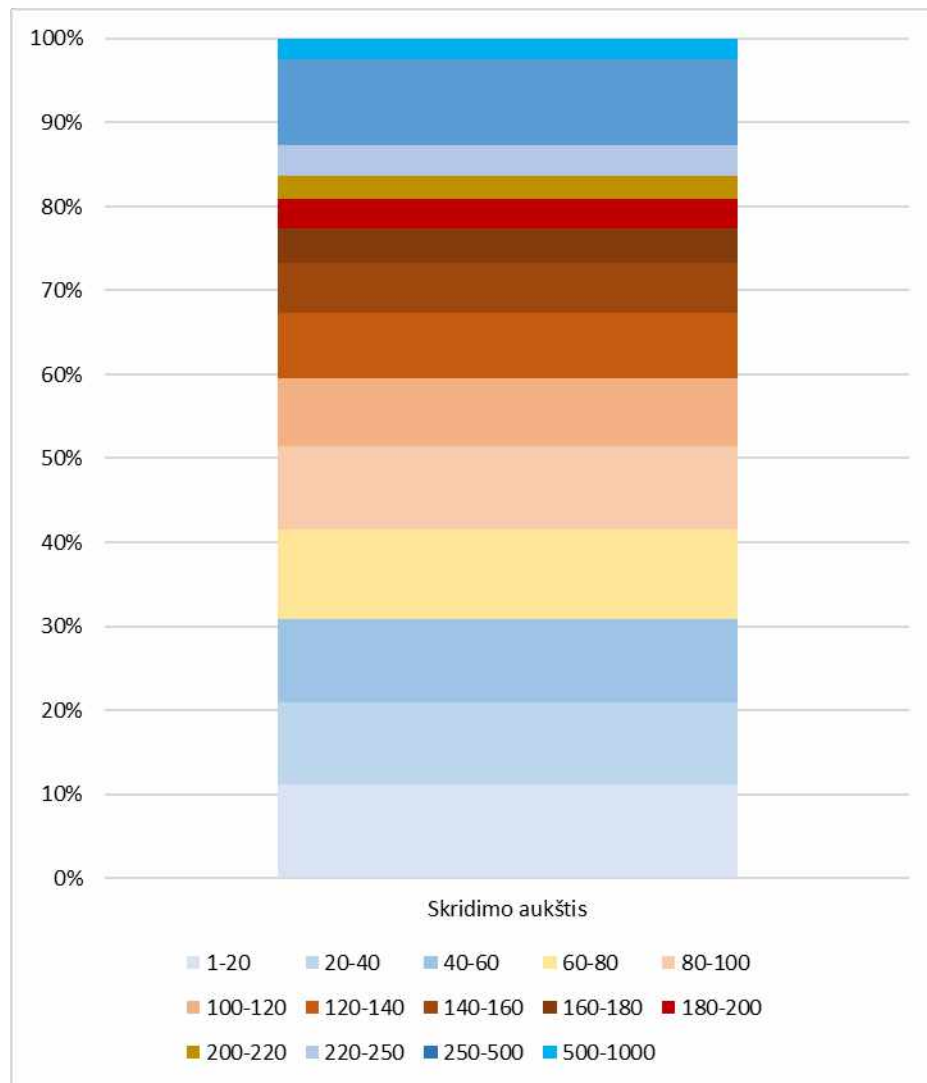
5. PAUKŠČIŲ ŽENKLINTŲ TELEMETRINĖMIS PRIEMONĖMIS SKRAIDYMO PARAMETRAI

Gretimai planuojamų VE 2021 metų perėjimo sezono antroje pusėje GPS prietaisais buvo suženklinti 3 mažieji ereliai rėksniai. Išanalizavus jų skrydžio parametrus aktyviausiu erelių paros

metu nuo 10 iki 19 val. buvo nustatyta, kad didžioji dalis skrydžių buvo jautriame aukštyje nuo 40 iki 200 metrų (5.1.1. lentelė, 5.1.1. pav.). Paukščiai nepavojingame iki 40 m aukštyje skrido 20,8 % savo laiko, o nuo 200 iki 1000 m aukštyje skrido – 19,2 % . Didžioji dalis skrydžių, 60 %, buvo atlikta jautriame aukštyje nuo 40 iki 200 m. Todėl ateityje galima prognozuoti neigiamą poveikį mažiesiems ereliams rėksniams, neišskiriant nė vienos VE.

5.1.1. lentelė. Trijų mažųjų erelių rėksnių skrydžio aukštis, veisimosi metu

Skridimo aukštis, m	GPS pozicijų skaičius	%
1-20	1155	11,1
20-40	1013	9,7
40-60	1033	9,9
60-80	1109	10,7
80-100	1030	9,9
100-120	851	8,2
120-140	801	7,7
140-160	616	5,9
160-180	434	4,2
180-200	368	3,5
200-220	286	2,8
220-250	373	3,6
250-500	1073	10,3
500-1000	251	2,4
Iš viso	10393	100



5.1.1. Paveikslas. Visų trijų mažųjų erelių rėksnių, perinčių greta planuojamo VE parko, skrydžių pasiskirstymas vasaros-rudens periodu.

6. ATSKIRŲ VĖJO ELEKTRINIŲ JAUTRUMO VERTINIMAS

Atliktas suminis visų galimų neigiamų poveikių vertinimas. Jo metu atskirai kiekviena VE buvo įvertinta pagal šiuos kriterijus:

- jautrių VE poveikiui paukščių grupių perskridimus ir migracijas;
- susidūrimo su vėjaračio zona rizika (paukščių skrydžių transektos, kurios patenka į 170 m vėjaračio diametrą, ir skridimas, atliktas nuo 40 iki 200 m aukštyje);

- perinčių paukščių atžvilgiu;
- sankaupas sudarančių paukščių poilsio vietose atžvilgiu;
- suminio vertinimo gyvūnų (paukščių ir šikšnosparnių) žuvimo rizika pagal gretimai veikiančias VE;
- šikšnosparnių veisimosi ir migracijos intensyvumą.

Visos planuojamos VE vertinamos individualiai, vertinama kiekviena planuojama elektrinė, skalėje nuo 1 iki 3, kai 1 – mažai pavojinga, 2 – vidutiniškai pavojinga, 3 – labiausiai pavojinga (6.1.1. lentelė). Susumavus atskirus balus kiekvienai elektrinei pagal poveikius, identifikuoti trys VE rizikos gyvūnijai lygiai:

mažai pavojingos, vidutiniškai pavojingos, labai pavojingos. Vidutiniškai pavojingos identifikuotos 3 VE (Nr. 2, 4, ir 7) ir labai pavojinga – viena VE Nr. 6. Likusios – kaip mažai pavojingos (jei bus taikoma šikšnosparnių žūties prevencija).

6.1.1. Lentelė. Suminis atliktų tyrimų vertinimas pagal planuojamas VE ir prognozuojamą jų poveikį paukščiams ir šikšnosparniams (kai 1 – mažai pavojinga, 2 – vidutiniškai pavojinga, 3 – labai pavojinga)

VE Nr.	Paukščių perskirdimai		Susidūrimo rizika vėjaračio zonoje	Perintys paukščiai	Paukščių sankaupos	Šikšnosparniai		Suminis vertinimas	Bdndreas įvertinimas
	Plėšrieji paukščiai	Gervės ir gandriniai paukščiai	Gandrai ir plėšrieji paukščiai	Jautrių VE poveikiui paukščių atžvilgiu	Visų paukščių atžvilgiu	Besiveisiantys	Migruojantys	Gyvūnų žuvimo rizika	
1	1	1	2	1	0	0	3	1	9
2	1	1	3	1	0	0	3	1	10
3	2	1	1	1	0	0	3	1	9
4	2	1	3	1	0	0	3	1	11
5	1	1	1	1	0	0	3	1	8
6	1	1	3	3	0	0	3	3	14
7	2	1	2	2	0	0	1	2	10
8	1	1	1	2	0	0	1	1	7

VE, kurios patenka vidutiniškai pavojingoms ir labai pavojingoms, greičiausiai, ateityje kils konfliktų su plėšriaisiais paukščiais ir šikšnosparniais. Atliekant paukščių ir šikšnosparnių monitoringą ir įvertinus galimus poveikius, ateityje reikės įgyvendinti poveikio mažinimo priemones prie labiausiai pavojingų VE dėl jautrių VE poveikiui paukščių rūšių ir šikšnosparnių.

Poveikio mažinimo priemonės turės būti įgyvendintos tiek planavimo, tiek veiklos vystymo etapuose. **Viena iš efektyviausių poveikio mažinimo priemonių planavimo etape yra planuojamų VE sumažinimas ar perkėlimas į kitas vietas. Todėl VE Nr. 6 atsisakymas sumažintų planuojamo VE parko neigiamą poveikį plėšriesiems paukščiams.**

Reiktų atkreipti dėmesį, kad tai yra tik prognozė apie pavojingiausias VE ir jų poveikį, realus poveikis gali būti tiksliai įvertintas tik jau įrengus VE parką ir atlikus monitoringinius stebėjimus. Bet jau planavimo etape turi būti žinoma apie galimas grėsmes ir galimas poveikio taikymo priemonės mažinant neigiamą įtaką.

7. GALIMO NEIGIAMO POVEIKIO PREVENCIJOS, MAŽINIMO PRIEMONĖS

Pagal jau nustatytą neigiamą poveikį gretimai veikiančiose VE galima taikyti jau pritaikytas ir išbandytas poveikio mažinimo priemones.

Planuojama ūkinė veikla numatoma žemės sklypuose, kuriuose šiuo metu vykdoma žemės ūkio veikla. Todėl natūralios buveinės nebus užstatomos arba kitaip sunaikinamos, pažeidžiamos ar suskaldomos. Nėra numatomas miškų kirtimas ar natūralių buveinių tipų plotų sumažinimas.

VE parko statybų metu galimas poveikis smulkiesiems žinduoliams (kirstukams, pelėms, pelėnams), varliagyviams ir ropliams dėl trikdymo, nors žuvimo tikimybė išlieka labai maža ir nereikšminga. Statybos darbų metu gali būti lokaliai pažeidžiamos ir jų buveinės, tačiau eksploatacijos metu reikšminga įtaka nenumatoma.

VE įrengimo ir eksploatacijos metu galimas poveikis plėšriesiems paukščiams ir šikšnosparniams dėl galimo tiesioginio susidūrimo su VE ar buveinės praradimo dėl trikdymo. Todėl norint išvengti poveikio galima pritaikyti priemones, kurios gali panaikinti arba sumažinti neigiamą poveikį.

Poveikio paukščiams ir šikšnosparniams mažinimo priemonės

A) Siekiant sumažinti galima neigiamą poveikį plėšriesiems paukščiams ir šikšnosparniams, atsisakyti VE Nr. 6. Pagal gretimai veikiančio VE parko duomenis ši

planuojama VE gali būti labai pavojinga mažiesiems ereliams rėksniams ir migruojantiems šikšnosparniams.

B) Siekiant sumažinti prognozuojamas šikšnosparnių žūtis, VE veiklos pradžios minimalaus vėjo greičio (kuris daugumoje VE modelių yra 3,5 m/s) didinimas iki 5,5-6 m/s intensyviausiu migracijos periodu rugpjūčio–rugsėjo mėnesiais, taikant šią priemonę nuo saulės nusileidimo iki patekėjimo. Priemonė turi būti patikslinta atlikus migruojančių šikšnosparnių monitoringą.

C) Prisidėti prie retų ir jautrių VE poveikiui paukščių rūšių išsaugojimo vykdant jų monitoringą ir stebėseną nuotolinėmis telemetrinėmis priemonėmis. Gretimoje aplinkoje perintiems jautriems VE poveikiui paukščiams (gandrams ir plėšriesiems paukščiams) uždėti 2-3 telemetrinius įrenginius (siųstuvus) ir stebėti jautrių rūšių judėjimą, naudojamas teritorijas vietoje prieš statybas ir po VE statybos darbų. Taip surinkti žinių apie kylančių konfliktų dėl VE veiklos galimus valdymus ir sukauptas žinias pritaikyti praktiškai mažinant poveikį jautrioms VE poveikiui paukščių rūšims.

D) Siekiant pagerinti plėšriųjų paukščių (paprastųjų pelėsakalių) perėjimo sąlygas, numatyti naujų lizdaviečių (4 vnt.) įrengimą ir iškėlimą ant elektros stulpų atramų, pavienių medžių. Dirbtinių perėjimo vietų įrengimas už VE parko ribų Šilutės raj.

E) Siekiant pagerinti šikšnosparnių veisimosi ir migracijos dienojimo sąlygas bei išlaikyti jas vasaros metu saugiu atstumu nuo VE jėgainių, reikėtų iškelti specialius inkilus šikšnosparniams, už vėjo elektrinių parko ribų. Tikslinga iškelti ne mažiau kaip 10 inkilų, juos keliant po kelis į vieną medį pamario regione.

F) Numatoma paruošti ir suderinti paukščių ir šikšnosparnių monitoringo programą (1 metai iki VE veiklos pradžios ir 3 metai po VE veiklos pradžios). VE parko poveikiui migruojantiems, perintiems paukščiams ir besiveisiantiems ir migruojantiems šikšnosparniams įvertinti. Bus atliekamas žūvančių paukščių ir šikšnosparnių monitoringas po VE veiklos pradžios siekiant nustatyti konkrečių VE galimo poveikio reikšmingumą ir pasiūlyti efektyviausias priemones, leidžiančias poveikį sumažinti ar net jo išvengti. Programa turi apimti ne mažiau kaip metus iki VE statybos arba veiklos pradžios ir tris metus po VE veiklos pradžios. Vėliau monitoringo tyrimai kartojami kas 5 metai. Nustačius reikšmingus neigiamus poveikius yra atliekami poveikio mažinimo veiksmai arba kompensacinės priemonės.

G) Vienos iš VE menčių dažymas juoda spalva gali sumažinti plėšriųjų paukščių žūčių skaičių. Ši priemonė gali būti efektyvi, jei bus nustatytas reikšmingas poveikis plėšriesiems ir sklendantiems paukščiams.

H) Stabdyti VE nustatytais laikotarpiais, jei bus nustatytas reikšmingas neigiamas poveikis paukščiams arba šikšnosparniams. Pavyzdžiui, vykdant žemės ūkio darbus gretimuose iki 500 m nuo VE nutolusiose laukuose, VE darbas gali būti stabdomas dienos metu, aktyviausiu plėšriųjų paukščių skraidymo periodu nuo 10:00 iki 16:00 valandos, 2-3 dienas po žemės ūkio darbų.

I) Mitybinių buveinių keitimas prie VE, padarant jas mažiau patrauklias jautrioms VE paukščių ar šikšnosparnių rūšims.

8. IŠVADOS

- 1 Iš viso per pavasario stebėjimų sezoną buvo suskaičiuota 57480 individai praskrendančių, migruojančių paukščių, priklausančių 70 rūšių. Daugiausiai per teritorijas skrido žvirbliniai (56,7 %), žąsiniai (27,2 %) ir sėjikiniai (15,1 %) paukščiai. Plėšrieji paukščiai, kurie priskiriami jautrioms VE poveikiui rūšims sudarė vos 0,5 % , gerviniai ir gandriniai - 0,6%.
- 2 Paukščiai pro planuojamą VE parką perskrenda įvairiomis kryptimis ir nesudaro konkrečių migracijos ar perskridimo kelių. Didžiausias gandrinių ir gervinių paukščių suminis tankums nustatytas prie VE Nr. 7, plėšriųjų– prie VE Nr. 3, 4, 7, sėjikinių – prie VE Nr. 4-7, žąsinių – prie VE Nr. 8, žvirbinių paukščių – prie VE Nr. 4, 5, o bendrai visų grupių – prie VE Nr. 4 ir 5.
- 3 Jautriame aukštyje tarp 40 – 200 m skrido 93 % gandrinių-gervinių, 60 % žąsinių, 33 % sėjikinių, 14 % plėšriųjų ir 13 % žvirbinių paukščių.
- 4 Susidūrimams su VE jautrių paukščių (gandriniai-gerviniai, plėšrieji) pavojingame aukštyje skrido 56 %, todėl galima tiesioginio susidūrimo su planuojamomis VE rizika aukštai skraidančioms rūšims, ypač plėšriųjų paukščių, kaip jūrinis erelis, mažasis erelis rėksnys, paprastasis ir tūbuotasis suopis, rudasis peslys.
- 5 Pagal skrydžių vėjaračių zonose modeliavimą, dėl galimo teorinio susidūrimo išsiskyrė VE Nr. 2 (1081 paukščių) ir VE Nr. 4 (924 paukščiai), taip pat VE Nr. 7 (523 paukščiai).
- 6 Tyrimo metu suskaičiuoti 32198 paukščiai santalkose. Daugiausiai stebėta žvirbinių (44,9 %), žąsinių (29,1 %) ir sėjikinių (25,8 %) paukščių. Sankaupos buvo susijusios su žemės ūkio naudmenomis. Gausiausios paprastųjų pempių ir dirvinių sėjikų santalkos registruotos pasėlių ar dirbamuose laukuose prie VE Nr. 6 ir 8, žąsų, gulbių ir ančių – kukurūzų ražienose, pasėliuose ar ganyklose netoli VE Nr. 8, žąsys taip pat maitinasi kukurūzų ražienose prie VE Nr. 3, 4. Žąsys ir gervės turi aukštą VE išvengiamumą, o sėjikinių paukščių sankaupos susiję su suartais laukais ir žiemkenčiais, todėl yra laikinos ir gali būti plačiai lokalizuotos dėl tokių buveinių gausos planuojamame VE parke, todėl poveikis migruojantiems ir laikinai apsistojantiems dirviniams sėjikams, paprastosioms pempėms, kirams, pilkosioms gervėms ir žąsims – nenumatomas.

- 7 Planuojamoje VE vystymo teritorijoje vyksta intensyvi šikšnosparnių migracija. Vidutinės ir aukštos rizikos šikšnosparnių rūšys sudarė 91% visų registracijų. Todėl yra tikėtinas neigiamas VE poveikis migruojantiems šikšnosparniams. Poveikiui išvengti yra rekomenduojama taikyti startinio vėjo greičio didinimą iki 5,5–6 m/s rugpjūčio-rugsėjo mėnesiais.
- 8 Įvertinus gretimai veikiančio UAB „Šilutės vėjo projektai“ VE parko poveikį, kuris buvo tirtas nuo 2016 metų, nustatyta, kad yra didelė tikimybė, jog planuojamame parke bus stebimas panašus poveikis. Todėl rekomenduojama atsisakyti VE Nr. 6 ir taikyti poveikio mažinimo priemones.
- 9 Įvertinus abiejų planuojamų VE parkų poveikį, poveikis padidės tik tuo atveju, jei nebus taikomos papildomos apsaugos ir prevencijos priemonės plėšriesiems paukščiams ir šikšnosparniams. Yra rekomenduojama taikyti poveikio prevencines ir mažinimo priemones.
- 10 Mažieji ereliai rėksniai, paženklininti GPS siūstuvais, intensyviai naudoja rizikingą oro erdvę nuo 40 iki 200 m aukštyje. Todėl ateityje gali kilti konfliktų su jų praskridimais.
- 11 Įvertinus visus ankščiau analizuotus poveikius ir atskiras VE pagal jų galimą poveikį paukščiams ir šikšnosparniams, VE buvo suskirstytos į mažai, vidutiniškai ir labai pavojingas. Vidutiniškai pavojingos identifikuotos 3 VE – Nr. 2, 4, ir 7, o labai pavojinga – viena VE Nr. 6. Likusios – kaip mažai pavojingos (jei bus taikoma šikšnosparnių žūties prevencija).

9. REKOMENDACIJOS

1. **Poveikio mažinimo priemonė planavimo etapu.** Atsisakyti statyti VE Nr. 6, kaip didelės rizikos elektrinę plėšriesiems paukščiams ir šikšnosparniams.
2. **Poveikio mažinimo priemonė.** Mažinant galimą neigiamą poveikį šikšnosparniams taikyti VE startinio greičio didinimą jų migracijos metu. Nuo gamykliškai nustatyto iki 5,5 -6 m/s nuo saulės laidos iki saulėtekio apimant laikotarpį nuo liepos 25 d. – rugsėjo pabaigos.
3. Paruošti paukščių ir šikšnosparnių monitoringo programą, kuri apimtų galimą VE poveikio vertinimą 1 metai iki VE veiklos pradžios ir 3 metai po VE veiklos, tyrimus kartojant kas 5 metai.
4. Atlikti detalesnius vietinių jautrių VE poveikiui ir saugomų perinčių rūšių tyrimus VE parko teritorijoje ir aplinkinėse teritorijose panaudojant telemetrinius prietaisus ir stebėjimus.
5. Reiktų įvertinti šikšnosparnių migracijos aktyvumą stacionariais detektoriais visoje planuojamo VE parko teritorijoje kiek galima arčiau planuojamų VE ir kiek galima aukščiau, kad būtų galima parinkti tinkamiausias poveikio mažinimo priemones.
6. Surasti ir identifikuoti plėšriųjų paukščių lizdus aplinkinėse teritorijose, paukščių perėjimo sėkmingumą stebėti iki VE parkas pradeda veiklą ir jau veikiant VE parkui.
7. Prisidėti prie jautrių VE paukščių ir šikšnosparnių rūšių išsaugojimo gerinant jiems perėjimo, mitybos sąlygas, tiriant jų elgsenos ypatybes (keliant inkilus pelėsakaliams ir šikšnosparniams, atkuriant buveines, tiriant paukščius telemetrinėmis priemonėmis ir t.t.).