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Calculated:
10.09.2026 14:46/4.1.287

SKEPAST & PUHKIM

SHADOW - Main Result

Calculation: Vestas - Worst & Real Case

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) []

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,17	2,29	4,58	6,82	8,69	9,44	8,63	7,75	5,49	2,82	0,76	0,60

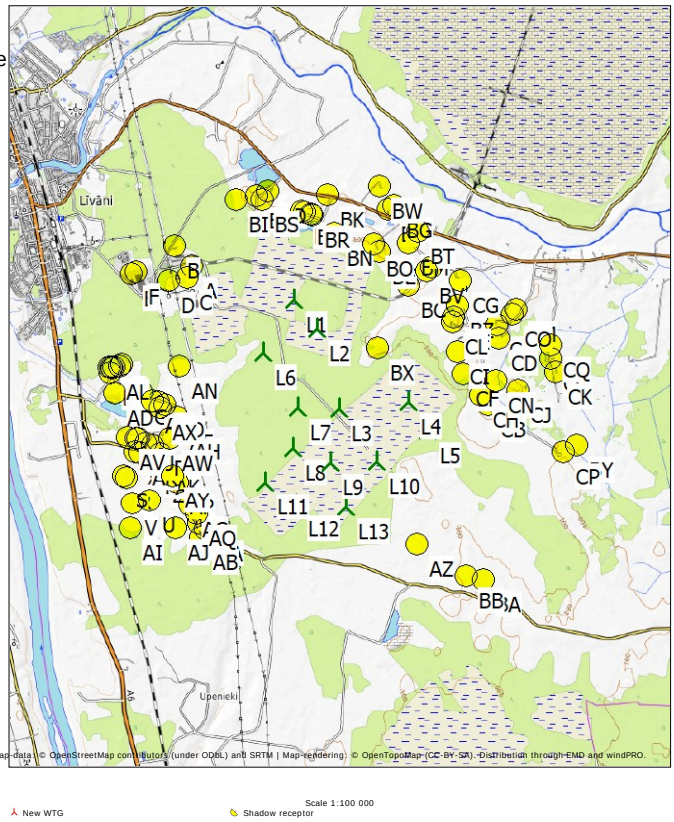
Operational hours are calculated from WTGs in calculation and wind distribution:
Site meteo data description

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
516	410	376	260	362	807	859	936	1 112	970	989	667	8 266

Monthly aggregation of real case reduction
Idle start wind speed3,0m/s
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:
DHM: DTM + Terrain model
Receptor grid resolution: 1,0 m
Topographic shadow included in calculation

All coordinates are in
Geo [deg]-WGS84



WTGs

	Longitude	Latitude	Z [m]	Row data/Description	WTG type Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Shadow data Calculation distance [m]	RPM [RPM]
1	26,241999° E	56,329346° N	98,0	L3	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
2	26,261185° E	56,326681° N	99,7	L5	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
3	26,243458° E	56,317600° N	97,1	L13	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
4	26,232084° E	56,324719° N	96,7	L8	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
5	26,240086° E	56,322984° N	97,8	L9	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
6	26,232462° E	56,342339° N	96,4	L1	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
7	26,237328° E	56,338890° N	97,0	L2	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
8	26,225717° E	56,336045° N	96,6	L6	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
9	26,233160° E	56,329476° N	96,7	L7	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
10	26,256778° E	56,330175° N	99,0	L4	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
11	26,250200° E	56,323112° N	98,0	L10	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
12	26,232773° E	56,317990° N	96,9	L12	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-
13	26,226284° E	56,320524° N	96,4	L11	Yes	VESTAS	V162-6.2-6 200	6 200	162,0	149,0	2 042	-

Shadow receptor-Input

No.	Name	Longitude	Latitude	Z [m]	Width [m]	Height [m]	Elevation a.g.l. [m]	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
A	Maza Stirnu iela 8A	26,210379° E	56,346312° N	98,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
B	Stirnu iela 10	26,206738° E	56,348711° N	97,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
C	Maza Stirnu iela 10A	26,209491° E	56,344906° N	98,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
D	Celtniecibas iela 23	26,205556° E	56,344570° N	98,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
E	Celtniecibas iela 13	26,197425° E	56,345337° N	96,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
F	Celtniecibas iela 13A	26,198599° E	56,345627° N	96,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
G	Aizezers	26,199734° E	56,331325° N	96,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
H	Kalmes	26,209176° E	56,319163° N	96,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
I	Ilgas	26,193415° E	56,334144° N	94,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
J	Annas	26,192862° E	56,334209° N	94,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0

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SHADOW - Main Result

Calculation: Vestas - Worst & Real Case

...continued from previous page

No.	Name	Longitude	Latitude	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]		[m]
K	Me ž viteni	26,193101° E	56,334289° N	94,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
L	Stari	26,195057° E	56,334392° N	94,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
M	Inna	26,192942° E	56,333535° N	93,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
N	Rudzati	26,202007° E	56,323099° N	95,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
O	Andrejevu Gundegas	26,203285° E	56,330142° N	96,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
P	Upites	26,195503° E	56,334598° N	94,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Q	Me ž sargi	26,203558° E	56,323930° N	95,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
R	Akas	26,196449° E	56,321107° N	95,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
S	Negusi	26,195914° E	56,321368° N	95,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
T	Straumeni	26,205957° E	56,321796° N	95,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
U	Vilumi	26,201287° E	56,318327° N	95,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
V	Vuceni	26,197799° E	56,318084° N	95,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
W	Sengravas	26,205172° E	56,322535° N	95,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
X	Parslas	26,198219° E	56,324245° N	96,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Y	Irbenaji	26,211797° E	56,315651° N	97,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
Z	Ozola majas	26,203674° E	56,321985° N	95,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AA	Silagals	26,213309° E	56,314871° N	97,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AB	Bernati	26,212412° E	56,313931° N	97,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AC	Usari	26,210158° E	56,317850° N	96,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AD	Zitari	26,194057° E	56,331207° N	94,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AE	Oluti	26,202062° E	56,325018° N	95,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AF	Kalnares	26,207370° E	56,328372° N	95,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AG	Gravinas	26,203889° E	56,323331° N	95,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AH	Rugaji	26,208374° E	56,327217° N	94,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AI	Kaimini	26,197264° E	56,315002° N	96,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AJ	Vucenini	26,206969° E	56,315087° N	97,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AK	Ro ž ares	26,204223° E	56,322986° N	95,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AL	Rozes	26,193885° E	56,334324° N	94,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AM	Lejas	26,202015° E	56,330383° N	95,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AN	Rietaini	26,207883° E	56,334463° N	96,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AO	Valdai š i	26,204741° E	56,329888° N	96,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AP	Spravnieki	26,207350° E	56,320504° N	96,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AQ	Šaurites	26,211555° E	56,316742° N	97,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AR	Citronsala	26,199356° E	56,324088° N	96,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AS	---	26,198991° E	56,325740° N	95,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AT	Grinupju majas	26,200580° E	56,325304° N	96,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AU	Jaunvinded ž i	26,198444° E	56,325803° N	95,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AV	Vanadzinu majas	26,196724° E	56,325972° N	94,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AW	Celmares	26,205599° E	56,325855° N	93,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AX	Ezerliepas	26,203511° E	56,329521° N	95,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AY	Senlejas	26,206317° E	56,321399° N	95,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
AZ	Ravejnica	26,258889° E	56,313078° N	98,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BA	Me ž ekas	26,272916° E	56,308900° N	103,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BB	Bucini	26,269327° E	56,309302° N	103,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BC	Šceglovi	26,256762° E	56,344085° N	99,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BD	Tirais Dikis	26,226832° E	56,355190° N	96,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BE	Ares	26,250594° E	56,347996° N	101,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BF	Petermui ž a 1	26,252450° E	56,352940° N	95,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BG	Denisovka	26,253918° E	56,353516° N	95,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BH	Gazes sadales stacija	26,224310° E	56,354612° N	103,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BI	Cerini	26,219842° E	56,354194° N	99,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BJ	Purini	26,234006° E	56,352802° N	102,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BK	Petru š kevici	26,239611° E	56,354805° N	100,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BL	Mala Karjeri	26,234668° E	56,352651° N	103,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BM	Sadovski	26,256758° E	56,349026° N	95,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BN	Tarasa	26,241082° E	56,350100° N	101,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BO	Petermui ž a	26,249458° E	56,348849° N	102,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BP	Ap š u majas	26,261837° E	56,346088° N	96,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BQ	Ezernieki	26,236036° E	56,352379° N	103,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BR	Ezernieki	26,236284° E	56,352325° N	103,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BS	Kalnozoli	26,225489° E	56,354244° N	101,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BT	Dubnas mala	26,259052° E	56,350438° N	94,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BU	Darzu majas	26,260699° E	56,345721° N	96,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BV	Darzu majas	26,260836° E	56,345780° N	96,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0

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SHADOW - Main Result

Calculation: Vestas - Worst & Real Case

...continued from previous page

No.	Name	Longitude	Latitude	Z [m]	Width [m]	Height [m]	Elevation a.g.l. [m]	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
BW	Odumi	26,250770° E	56,355878° N	95,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BX	Nade ž da	26,250333° E	56,336653° N	102,1	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BY	Ozolzeme	26,292977° E	56,324995° N	99,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
BZ	Kirilovka	26,267450° E	56,341597° N	100,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CA	Pastalojani 2	26,275833° E	56,339243° N	99,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CB	Jura	26,274046° E	56,329884° N	98,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CC	Zilites	26,287560° E	56,335314° N	97,6	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CD	Zalani	26,276360° E	56,337692° N	97,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CE	Sili	26,266657° E	56,340214° N	100,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CF	Kiras Silini	26,268711° E	56,333487° N	102,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CG	Jaunie Gusevi	26,268027° E	56,344621° N	100,2	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CH	Berzini	26,272487° E	56,330996° N	101,0	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CI	Mihailovi	26,267534° E	56,336138° N	102,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CJ	Saujinas	26,280520° E	56,331567° N	101,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CK	Martinova	26,288509° E	56,333685° N	97,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CL	Avotin š	26,266384° E	56,339636° N	101,5	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CM	Pastalojani	26,279964° E	56,341158° N	98,9	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CN	Aigas	26,275717° E	56,332680° N	97,7	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CO	Laucini	26,279060° E	56,340506° N	97,3	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CP	Kalna Jaujas	26,290074° E	56,324213° N	99,4	1,0	1,0	1,0	90,0	"Green house mode"	2,0
CQ	Jaunjaujas	26,287441° E	56,336949° N	96,8	1,0	1,0	1,0	90,0	"Green house mode"	2,0

Calculation Results

Shadow receptor

No.	Name	Shadow, worst case: Shadow hours per year [h/year]	Shadow, worst case: Shadow days per year [days/year]	Shadow, worst case: Max shadow hours per day [h/day]	Shadow, expected values: Shadow hours per year [h/year]
A	Maza Stirnu iela 8A	38:20	124	0:27	4:44
B	Stirnu iela 10	21:01	84	0:22	2:13
C	Maza Stirnu iela 10A	34:07	109	0:28	5:00
D	Celtniecibas iela 23	18:56	66	0:25	3:09
E	Celtniecibas iela 13	5:21	25	0:19	0:48
F	Celtniecibas iela 13A	5:50	27	0:20	0:49
G	Aizezers	15:40	62	0:23	3:33
H	Kalmes	65:22	170	0:50	19:14
I	Ilgas	5:06	23	0:19	1:24
J	Annas	4:51	24	0:18	1:19
K	Me ž viteni	4:56	23	0:19	1:21
L	Stari	5:50	25	0:20	1:36
M	Inna	0:00	0	0:00	0:00
N	Rudzati	20:34	74	0:25	4:52
O	Andrejevu Gundegas	36:28	132	0:26	8:38
P	Upites	6:06	26	0:20	1:40
Q	Me ž sargi	30:02	106	0:29	7:13
R	Akas	6:05	26	0:21	1:31
S	Negusi	5:42	24	0:20	1:24
T	Straumeni	40:50	135	0:30	10:53
U	Vilumi	21:22	86	0:25	6:05
V	Vuceni	7:12	29	0:21	2:04
W	Sengravas	36:35	123	0:28	9:30
X	Parslas	6:26	26	0:21	1:21
Y	Irbenaji	77:25	160	0:57	23:53
Z	Ozola majas	32:03	116	0:27	8:27
AA	Silagals	45:21	137	0:31	13:45
AB	Bernati	34:46	108	0:29	10:36
AC	Usari	68:16	163	0:47	20:24
AD	Zitari	5:33	26	0:19	1:36
AE	Oluti	24:31	114	0:24	6:09
AF	Kalnares	48:15	148	0:27	11:22
AG	Gravinas	31:35	111	0:30	7:52
AH	Rugaji	38:15	117	0:29	8:00

To be continued on next page...

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SHADOW - Main Result

Calculation: Vestas - Worst & Real Case

...continued from previous page

No.	Name	Shadow, worst case			Shadow, expected values
		Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
AI	Kaimini	7:12	31	0:20	2:09
AJ	Vucenini	56:51	127	0:45	17:38
AK	Ro ž ares	32:50	115	0:27	8:21
AL	Rozes	5:16	24	0:19	1:26
AM	Lejas	31:29	123	0:25	7:21
AN	Rietaini	77:15	226	0:54	16:48
AO	Valdai š i	46:29	159	0:27	11:21
AP	Spravnieki	54:07	184	0:32	15:23
AQ	Š aurites	98:20	164	1:01	30:18
AR	Citronsala	11:55	50	0:22	2:47
AS	---	23:40	91	0:21	6:37
AT	Grinupju majas	25:02	100	0:23	6:36
AU	Jaunvinded ž i	23:01	93	0:21	6:27
AV	Vanadzinu majas	5:26	24	0:20	1:03
AW	Celmares	31:27	106	0:27	6:58
AX	Ezerliepas	40:10	145	0:26	9:51
AY	Senlejas	43:13	142	0:30	11:42
AZ	Ravejnica	56:48	122	0:37	17:52
BA	Me ž ekas	0:00	0	0:00	0:00
BB	Bucini	12:03	50	0:22	3:47
BC	Š ceglovi	31:45	103	0:28	5:06
BD	Tirais Dikis	0:00	0	0:00	0:00
BE	Ares	48:43	122	0:43	4:57
BF	Petermui ž a 1	25:06	85	0:23	1:46
BG	Denisovka	23:12	83	0:22	1:36
BH	Gazes sadales stacija	5:55	26	0:18	0:19
BI	Cerini	25:10	57	0:33	1:38
BJ	Purini	7:18	27	0:20	0:24
BK	Petru š kevici	2:29	17	0:12	0:07
BL	Mala Karjeri	9:27	31	0:23	0:32
BM	Sadovski	20:11	71	0:24	2:17
BN	Tarasa	54:19	90	0:46	3:45
BO	Petermui ž a	49:18	118	0:30	4:29
BP	Ap š u majas	13:37	53	0:22	2:26
BQ	Ezernieki	14:45	39	0:28	0:52
BR	Ezernieki	15:56	41	0:29	0:57
BS	Kalnozoli	6:00	25	0:18	0:19
BT	Dubnas mala	15:42	64	0:22	1:42
BU	Darzu majas	15:25	58	0:24	2:49
BV	Darzu majas	14:58	56	0:23	2:43
BW	Odumi	17:51	63	0:22	1:12
BX	Nade ž da	264:14	277	1:55	43:39
BY	Ozolzeme	5:05	24	0:19	1:23
BZ	Kirilovka	26:31	77	0:28	2:38
CA	Pastalojani 2	33:40	100	0:25	2:34
CB	Jura	59:33	130	0:43	13:38
CC	Zilites	11:15	48	0:20	1:54
CD	Zalani	37:03	115	0:26	3:24
CE	Sili	43:48	123	0:32	4:10
CF	Kiras Silini	119:35	185	1:08	14:58
CG	Jaunie Gusevi	5:42	33	0:19	0:56
CH	Berzini	64:19	118	0:48	12:49
CI	Mihailovi	96:07	167	0:56	9:38
CJ	Saujinas	23:58	69	0:29	4:54
CK	Martinova	10:54	49	0:21	2:03
CL	Avotin š	48:43	128	0:34	4:38
CM	Pastalojani	24:30	89	0:21	1:47
CN	Aigas	40:25	86	0:42	6:56
CO	Laucini	27:08	93	0:22	2:01
CP	Kalna Jaujas	6:47	28	0:21	1:56
CQ	Jaunjaujas	10:50	49	0:19	1:33

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SHADOW - Main Result

Calculation: Vestas - Worst & Real Case

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	L3	87:17	9:42
2	L5	236:46	26:47
3	L13	69:05	21:16
4	L8	156:42	40:27
5	L9	48:06	13:35
6	L1	275:40	41:32
7	L2	204:05	36:11
8	L6	184:52	39:21
9	L7	114:21	30:32
10	L4	265:53	37:39
11	L10	51:33	5:06
12	L12	123:22	31:15
13	L11	257:42	65:38

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.

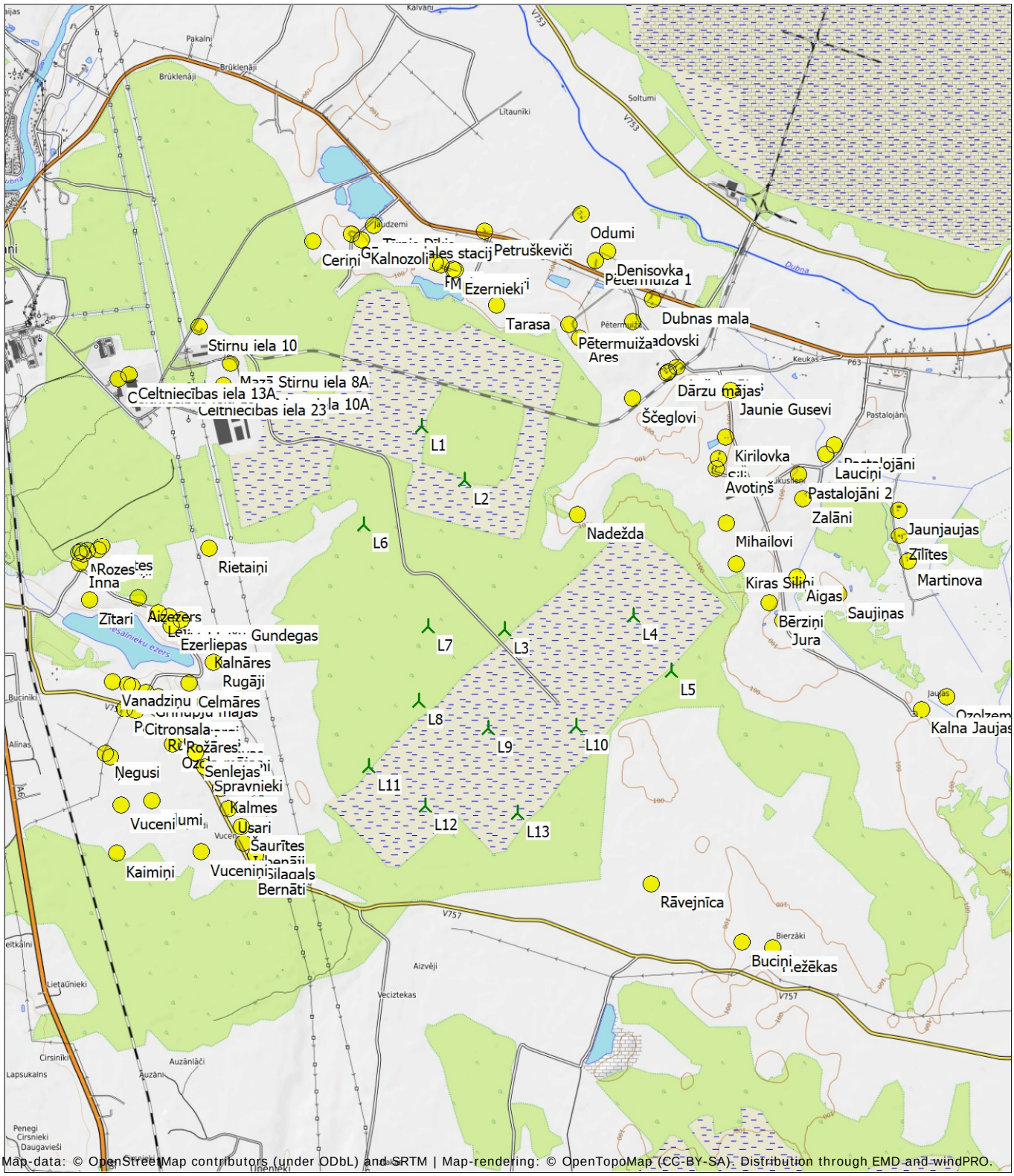
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Calculated:
10.09.2026 14:46/4.1.287

SKEPAST & PUHKIM

SHADOW - Map

Calculation: Vestas - Worst & Real Case



Map-data: © OpenStreetMap contributors (under ODbL) and SRTM | Map-rendering: © OpenTopoMap (CC-BY-SA). Distribution through EMD and windPRO.

0 500 1000 1500 2000 m

Map: OpenTopoMap , Print scale 1:40 000, Map center Geo WGS84 East: 26,242919° E North: 56,332389° N

New WTG
Shadow receptor

Flicker map level: DTM + Terrain model