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Calculated:
10.09.2026 17:38/4.1.287

SKEPAST & PUHKIM

SHADOW - Main Result

Calculation: Enercon - Curtailment 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

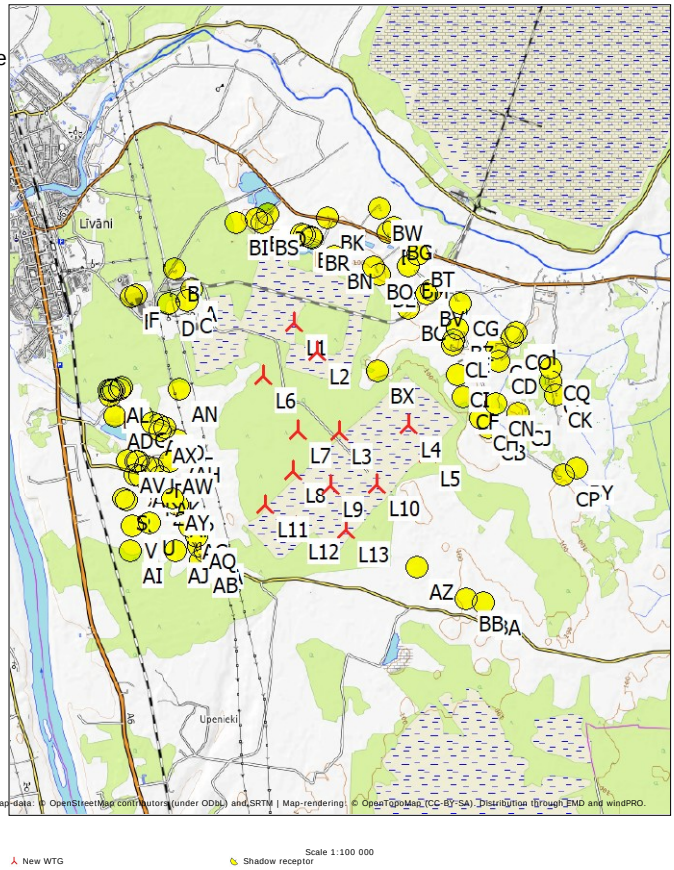
Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
530	421	386	267	372	828	881	960	1 141	995	1 014	684	8 480

Monthly aggregation of real case reduction
Idle start wind speed2,5m/s
Flicker curtailment by stopping specific turbines

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	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
2	26,261185° E	56,326681° N	99,7	L5	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
3	26,243458° E	56,317600° N	97,1	L13	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
4	26,232084° E	56,324719° N	96,7	L8	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
5	26,240086° E	56,322984° N	97,8	L9	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
6	26,232462° E	56,342339° N	96,4	L1	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
7	26,237328° E	56,338890° N	97,0	L2	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
8	26,225717° E	56,336045° N	96,6	L6	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
9	26,233160° E	56,329476° N	96,7	L7	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
10	26,256778° E	56,330175° N	99,0	L4	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
11	26,250200° E	56,323112° N	98,0	L10	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
12	26,232773° E	56,317990° N	96,9	L12	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-
13	26,226284° E	56,320524° N	96,4	L11	Yes	ENERCON	E-175 EP5-6 000	6 000	175,0	175,0	1 735	-

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

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SHADOW - Main Result

Calculation: Enercon - Curtailment 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]
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
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

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SHADOW - Main Result

Calculation: Enercon - Curtailment 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]
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
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, expected values: Shadow hours per year [h/year]	Avoided hours per year [h/year]
A*	Maza Stirnu iela 8A	4:27	0:08
B	Stirnu iela 10	0:00	
C*	Maza Stirnu iela 10A	3:04	1:48
D	Celtniecibas iela 23	4:06	
E	Celtniecibas iela 13	0:00	
F	Celtniecibas iela 13A	0:00	
G	Aizezers	3:51	
H*	Kalmes	5:54	12:01
I	Ilgas	0:00	
J	Annas	0:00	
K	Me ž viteni	0:00	
L	Stari	0:00	
M	Inna	0:00	
N*	Rudzati	1:54	0:52
O*	Andrejevu Gundegas	2:45	4:18
P	Upites	0:00	
Q	Me ž sargi	2:51	
R	Akas	0:00	
S	Negusi	0:00	
T*	Straumeni	5:30	4:21
U*	Vilumi	0:52	2:50
V	Vuceni	0:00	
W*	Sengravas	5:02	1:53
X	Parslas	0:00	
Y*	Irbenaji	2:23	17:12
Z*	Ozola majas	0:11	3:16
AA*	Silagals	0:00	7:15
AB*	Bernati	4:09	3:05
AC*	Usari	2:57	23:11
AD	Zitari	0:00	
AE	Oluti	2:15	
AF*	Kalnares	6:30	5:26

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SHADOW - Main Result

Calculation: Enercon - Curtailment Real Case

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]	Avoided hours per year [h/year]
AG*	Gravinas	2:52	0:15
AH*	Rugaji	6:45	2:36
AI	Kaimini	0:00	
AJ*	Vucenini	0:21	15:52
AK*	Ro ž ares	5:18	0:52
AL	Rozes	0:00	
AM*	Lejas	4:17	1:17
AN*	Rietaini	1:59	7:56
AO*	Valdai š i	0:58	11:28
AP*	Spravnieki	6:25	6:16
AQ*	Š aurites	5:57	24:33
AR	Citronsala	2:03	
AS	---	0:00	
AT	Grinupju majas	2:00	
AU	Jaunvinded ž i	0:00	
AV	Vanadzinu majas	0:00	
AW	Celmares	5:10	
AX*	Ezerliepas	0:25	10:37
AY*	Senlejas	6:12	4:21
AZ*	Ravejnica	3:52	15:32
BA	Me ž ekas	0:00	
BB	Bucini	0:00	
BC*	Š ceglovi	2:58	2:50
BD	Tirais Dikis	0:27	
BE*	Ares	0:00	5:10
BF	Petermui ž a 1	1:10	
BG	Denisovka	0:00	
BH	Gazes sadales stacija	1:01	
BI	Cerini	1:57	
BJ*	Purini	0:00	1:25
BK*	Petru š kevici	0:47	0:01
BL*	Mala Karjeri	0:07	1:26
BM*	Sadovski	2:04	0:55
BN*	Tarasa	0:00	5:16
BO*	Petermui ž a	0:00	5:26
BP*	Ap š u majas	0:33	1:02
BQ*	Ezernieki	0:00	1:53
BR*	Ezernieki	0:15	1:41
BS	Kalnozoli	1:04	
BT	Dubnas mala	0:00	
BU*	Darzu majas	0:34	1:13
BV*	Darzu majas	0:35	1:11
BW	Odumi	0:00	
BX*	Nade ž da	3:48	51:16
BY	Ozolzeme	0:00	
BZ*	Kirilovka	0:00	1:58
CA*	Pastalojani 2	1:50	1:33
CB*	Jura	1:45	14:20
CC	Zilites	0:00	
CD*	Zalani	3:44	0:13
CE*	Sili	0:07	2:41
CF*	Kiras Silini	3:12	13:16
CG	Jaunie Gusevi	0:00	
CH*	Berzini	1:45	13:50
CI*	Mihailovi	0:00	7:21
CJ*	Saujinas	1:35	4:33
CK	Martinova	0:00	
CL*	Avotin š	0:18	3:01
CM	Pastalojani	0:00	
CN*	Aigas	0:46	7:13
CO	Laucini	0:00	
CP	Kalna Jaujas	0:00	
CQ	Jaunjaujas	0:00	

** Receptors where shadow flicker is reduced by curtailment*

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SHADOW - Main Result

Calculation: Enercon - Curtailment Real Case

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

No.	Name	Stopped due to flicker curtailment [h/year]	Expected [h/year]
1	L3	55:30	1:54
2	L5	210:04	4:00
3	L13	47:44	0:00
4	L8	31:32	31:34
5	L9		0:41
6	L1	173:39	16:53
7	L2	167:30	1:53
8	L6	92:24	14:52
9	L7	18:14	8:34
10	L4	259:59	3:56
11	L10		4:44
12	L12	62:45	15:13
13	L11	194:37	11:09

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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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 1 - L3

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1	14:22-14:43	14:22-15:04									14:01-14:26	14:02-14:36
2	14:22-14:44	14:23-15:04									13:59-14:27	14:03-14:36
3	14:22-14:45	14:23-15:03									13:58-14:29	14:03-14:35
4	14:21-14:46	14:24-15:03									13:57-14:30	14:04-14:35
5	14:21-14:47	14:25-15:02									13:56-14:32	14:06-14:35
6	14:21-14:48	14:26-15:02									13:55-14:32	14:07-14:35
7	14:21-14:50	14:27-15:01									13:54-14:32	14:07-14:34
8	14:21-14:51	14:28-15:00									13:54-14:34	14:09-14:34
9	14:21-14:52	14:30-14:59									13:53-14:34	14:09-14:34
10	14:21-14:53	14:32-14:57									13:53-14:35	14:11-14:34
11	14:20-14:54	14:33-14:55									13:53-14:35	14:12-14:33
12	14:19-14:54	14:37-14:52									13:52-14:35	14:13-14:34
13	14:20-14:55	14:44-14:45									13:53-14:36	14:14-14:33
14	14:20-14:56										13:52-14:36	14:15-14:33
15	14:19-14:56										13:52-14:36	14:16-14:33
16	14:19-14:58										13:53-14:37	14:17-14:33
17	14:20-14:59										13:53-14:36	14:18-14:33
18	14:19-14:59										13:53-14:36	14:19-14:33
19	14:19-14:59										13:54-14:37	14:20-14:33
20	14:19-15:01										13:54-14:37	14:20-14:33
21	14:19-15:01										13:54-14:36	14:21-14:33
22	14:19-15:01										13:55-14:37	14:21-14:33
23	14:20-15:03										13:56-14:37	14:22-14:34
24	14:20-15:03										13:56-14:37	14:22-14:35
25	14:20-15:03										13:57-14:36	14:22-14:35
26	14:20-15:03										13:57-14:36	14:23-14:37
27	14:20-15:04										13:59-14:37	14:23-14:38
28	14:20-15:04										14:00-14:37	14:23-14:39
29	14:21-15:04										14:00-14:36	14:22-14:39
30	14:21-15:04									14:07-14:20	14:01-14:36	14:22-14:40
31	14:21-15:04									14:04-14:24		14:22-14:41

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 2 - L5

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June
1	14:19-14:36 13:26-14:04 09:50-10:19	14:16-15:02	15:43-16:57			
2	14:19-14:38 13:27-14:05 09:49-10:19	14:16-15:02	15:43-16:58			
3	14:18-14:39 13:27-14:05 09:50-10:20	14:16-15:01	15:42-16:59			
4	14:18-14:41 13:28-14:06 09:50-10:21	14:16-15:01	15:43-17:00			
5	14:18-14:42 13:28-14:06 09:50-10:21	14:17-15:01	15:43-17:01			
6	14:17-14:43 13:28-14:06 09:50-10:21	14:18-15:01	15:45-17:02			
7	14:17-14:45 13:29-14:08 09:51-10:23	14:18-15:00	15:45-17:02			
8	14:17-14:46 13:30-14:08 09:51-10:23	14:19-14:59	15:45-17:02			
9	14:17-14:47 13:30-14:08 09:52-10:24	14:21-14:59	15:47-17:03			
10	14:16-14:48 13:31-14:09 09:52-10:24	14:21-14:57	15:48-17:03			
11	14:15-14:48 13:30-14:08 09:52-10:25	14:23-14:56	15:49-17:02			
12	14:15-14:50 13:31-14:08 09:52-10:25	16:02-16:14 14:25-14:55	15:52-17:03			
13	14:15-14:51 13:32-14:09 09:52-10:25	15:57-16:17 14:26-14:53	16:17-17:02 15:55-16:14			
14	14:15-14:52 13:33-14:09 09:53-10:26	15:55-16:20 14:29-14:51	16:17-17:01 15:59-16:09			
15	14:14-14:52 13:33-14:09 09:53-10:26	15:52-16:21 14:32-14:48	16:16-17:01			
16	14:15-14:54 13:34-14:09 09:53-10:27	15:51-16:23	16:17-17:01			
17	14:14-14:54 13:35-14:08 09:54-10:27	15:49-16:24	16:17-17:00			
18	14:14-14:56 13:36-14:09 09:54-10:27	15:49-16:26	16:17-16:58			
19	14:14-14:56 13:36-14:08 09:54-10:27	15:47-16:26	16:19-16:58			
20	14:14-14:57 13:38-14:08 09:56-10:27	15:47-16:28	16:19-16:56			
21	14:14-14:58 13:39-14:08 09:56-10:27	15:45-16:28	16:20-16:55			
22	14:14-14:58 13:40-14:07 09:56-10:27	15:45-16:29	16:22-16:54			
23	14:13-14:58 13:41-14:06 09:58-10:27	15:44-16:29	16:23-16:51			
24	14:14-15:00 13:44-14:05 09:58-10:27	15:44-16:30	16:25-16:49			
25	14:14-15:00 13:46-14:04 09:59-10:26	15:43-16:30	16:28-16:46			
26	14:14-15:00 13:48-14:02 10:00-10:26	16:37-16:49 15:44-16:30	16:33-16:40			
27	14:14-15:01 13:53-13:57 10:01-10:25	16:32-16:52 15:43-16:30				
28	14:14-15:01 10:03-10:24	15:42-16:54				
29	14:14-15:01 10:04-10:22					
30	14:15-15:02 10:07-10:20					
31	14:15-15:02 10:11-10:17					

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 2 - L5

Flicker curtailment by stopping specific turbines

	July	August	September	October	November	December
1				16:56-17:41 16:33-16:53	13:52-14:27	13:57-14:31 13:14-13:51 09:34-10:07
2				16:30-17:41	13:50-14:27	13:58-14:31 13:13-13:50 09:35-10:07
3				16:27-17:40	13:50-14:29	13:59-14:30 13:13-13:51 09:34-10:07
4				16:25-17:40	13:48-14:29	14:00-14:30 13:14-13:52 09:35-10:07
5				16:24-17:40	13:48-14:31	14:02-14:30 13:14-13:52 09:36-10:08
6				16:23-17:39	13:47-14:31	14:03-14:30 13:15-13:53 09:37-10:08
7				16:21-17:38	13:47-14:31	14:04-14:29 13:15-13:53 09:37-10:08
8				16:20-17:37	13:47-14:32	14:05-14:29 13:15-13:54 09:38-10:08
9				16:19-17:36	13:46-14:32	14:06-14:28 13:15-13:54 09:38-10:08
10				16:18-17:35	13:46-14:32	14:08-14:28 13:16-13:55 09:39-10:09
11				16:17-17:33	13:46-14:33	14:09-14:28 13:16-13:55 09:39-10:09
12				16:16-17:32	13:46-14:33 09:39-09:50	14:10-14:27 13:16-13:55 09:40-10:10
13				16:16-17:31	13:47-14:33 09:38-09:54	14:12-14:27 13:18-13:56 09:41-10:10
14				16:16-17:28	13:46-14:33 09:36-09:55	14:13-14:27 13:18-13:56 09:41-10:10
15				17:04-17:25 16:15-17:02	13:46-14:33 09:34-09:56	14:14-14:26 13:18-13:57 09:42-10:10
16				17:07-17:21 16:15-17:02	13:47-14:34 13:23-13:33 09:34-09:58	14:16-14:26 13:19-13:57 09:42-10:10
17				16:15-17:01	13:47-14:33 13:20-13:36 09:33-09:59	14:17-14:25 13:19-13:58 09:43-10:11
18			17:19-17:29	16:16-17:02	13:47-14:33 13:18-13:38 09:32-10:00	14:19-14:25 13:20-13:58 09:44-10:11
19			17:14-17:33	16:16-17:01	13:48-14:34 13:17-13:40 09:32-10:01	14:19-14:24 13:21-13:59 09:45-10:12
20			17:11-17:36	16:16-17:00	13:49-14:33 13:16-13:41 09:32-10:02	14:21-14:23 13:20-13:59 09:44-10:12
21			17:08-17:37	16:16-16:59	13:49-14:33 13:15-13:42 09:31-10:02	13:21-14:00 09:45-10:12
22			17:06-17:39	16:17-16:59	13:50-14:34 13:15-13:44 09:32-10:03	13:21-14:00 09:45-10:12
23			17:04-17:39	16:17-16:57	13:51-14:33 13:14-13:45 09:32-10:04	13:22-14:01 09:46-10:13
24			17:03-17:40	16:18-16:56	13:51-14:33 13:13-13:46 09:32-10:04	14:23-14:25 13:22-14:01 09:46-10:14
25			17:01-17:41	16:20-16:55	13:52-14:33 13:13-13:46 09:32-10:04	14:22-14:27 13:23-14:01 09:47-10:14
26			17:00-17:41	15:21-15:54	13:52-14:32 13:13-13:47 09:32-10:05	14:22-14:28 13:23-14:01 09:48-10:15
27			16:59-17:41	15:22-15:52 14:03-14:16	13:53-14:32 13:12-13:47 09:33-10:06	14:21-14:29 13:24-14:03 09:48-10:16
28			16:58-17:42	15:24-15:50 14:00-14:20	13:55-14:33 13:13-13:49 09:33-10:06	14:20-14:31 13:24-14:02 09:48-10:16
29			16:57-17:42	15:26-15:48 13:57-14:22	13:56-14:32 13:13-13:50 09:33-10:06	14:20-14:32 13:24-14:03 09:48-10:16
30			16:56-17:41 16:38-16:50	15:29-15:44 13:54-14:24	13:57-14:32 13:13-13:50 09:34-10:07	14:20-14:34 13:25-14:03 09:48-10:17
31				13:53-14:26		14:20-14:35 13:26-14:04 09:49-10:18

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 3 - L13

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1						20:07-20:47	20:13-20:53					
2						20:07-20:47	20:13-20:53					
3						20:07-20:47	20:13-20:53					
4						20:07-20:47	20:13-20:53					
5						20:07-20:47	20:14-20:54					
6						20:08-20:48	20:14-20:54					
7						20:08-20:48	20:14-20:54					
8						20:08-20:48	20:14-20:54					
9						20:08-20:48	20:14-20:54					
10						20:08-20:48	20:14-20:54					
11						20:09-20:49	20:14-20:54					
12						20:09-20:49	20:15-20:55					
13					20:20-20:31	20:09-20:49	20:15-20:55					
14					20:17-20:33	20:09-20:49	20:15-20:54					
15					20:16-20:36	20:10-20:49	20:15-20:54					
16					20:14-20:37	20:10-20:50	20:16-20:55					
17					20:12-20:38	20:10-20:50	20:16-20:54					
18					20:12-20:40	20:11-20:50	20:17-20:54					
19					20:11-20:40	20:11-20:50	20:17-20:54					
20					20:09-20:41	20:11-20:51	20:18-20:54					
21					20:09-20:42	20:11-20:51	20:18-20:53					
22					20:09-20:43	20:11-20:51	20:19-20:53					
23					20:08-20:43	20:11-20:51	20:19-20:52					
24					20:08-20:44	20:12-20:51	20:20-20:52					
25					20:07-20:44	20:12-20:51	20:21-20:51					
26					20:07-20:44	20:12-20:52	20:22-20:50					
27					20:07-20:45	20:12-20:52	20:23-20:50					
28					20:07-20:46	20:13-20:52	20:24-20:48					
29					20:07-20:46	20:12-20:52	20:26-20:47					
30					20:07-20:46	20:13-20:53	20:28-20:45					
31					20:07-20:47		20:30-20:42					

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 4 - L8

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1						05:32-05:59	05:40-06:03	05:53-05:56				
2						05:32-05:59	05:40-06:03					
3						05:32-05:59	05:39-06:03					
4						05:32-05:58	05:40-06:03					
5						05:33-05:58	05:40-06:04					
6						05:34-05:59	05:40-06:04					
7						05:34-05:58	05:40-06:05					
8						05:35-05:59	05:39-06:05					
9						05:35-05:58	05:39-06:05					
10						05:35-05:59	05:39-06:06					
11						05:35-05:58	05:40-06:07					
12						05:36-05:59	05:40-06:07					
13					05:39-05:49	05:36-05:58	05:40-06:07					
14					05:36-05:51	05:36-05:58	05:39-06:07					
15					05:36-05:53	05:37-05:58	05:40-06:08					
16					05:34-05:54	05:37-05:59	05:40-06:08					
17					05:33-05:54	05:38-05:59	05:40-06:07					
18					05:33-05:56	05:38-05:59	05:40-06:08					
19					05:32-05:56	05:38-05:59	05:40-06:08					
20					05:32-05:57	05:38-05:59	05:41-06:08					
21					05:31-05:57	05:39-05:59	05:41-06:07					
22					05:31-05:58	05:39-05:59	05:41-06:08					
23					05:30-05:57	05:39-06:00	05:41-06:07					
24					05:31-05:58	05:39-06:00	05:42-06:07					
25					05:31-05:58	05:39-06:00	05:42-06:06					
26					05:30-05:58	05:40-06:01	05:43-06:06					
27					05:31-05:58	05:39-06:01	05:44-06:05					
28					05:31-05:58	05:40-06:01	05:44-06:04					
29					05:31-05:59	05:39-06:01	05:46-06:03					
30					05:31-05:59	05:40-06:02	05:47-06:02					
31					05:32-05:59		05:48-05:59					

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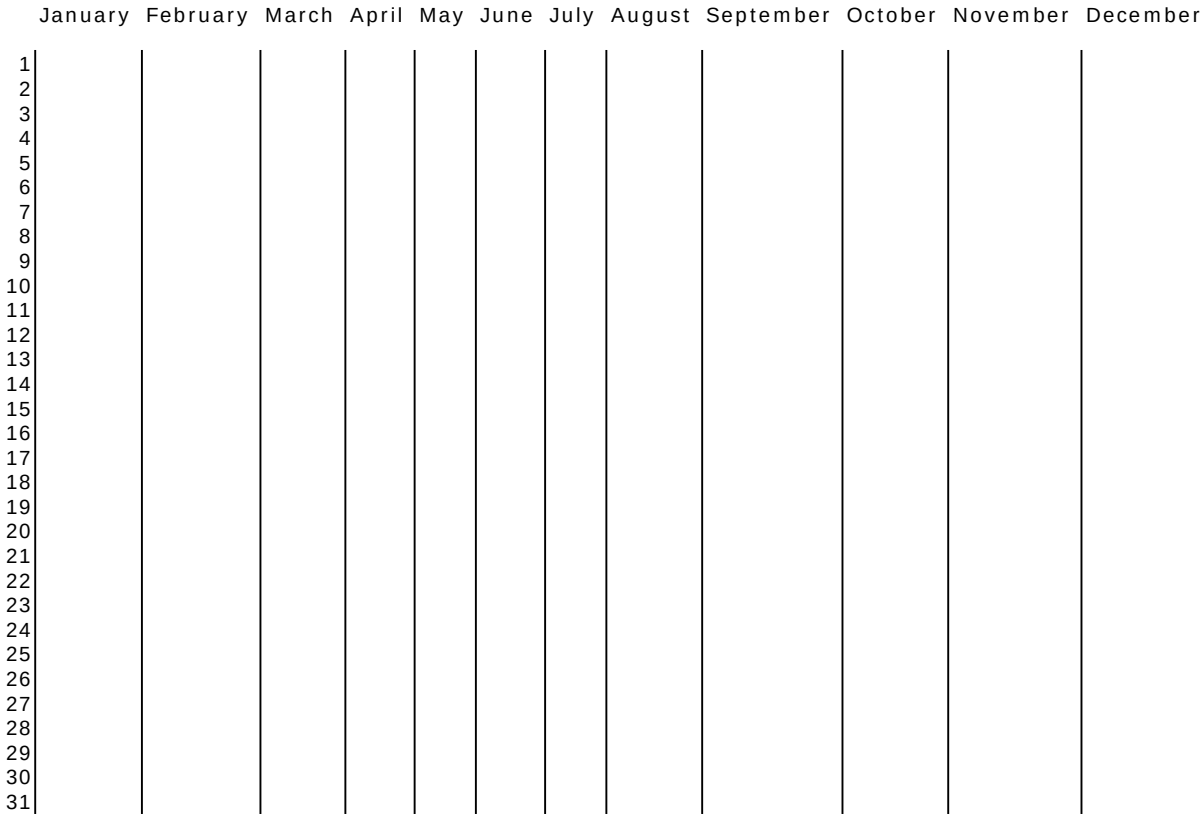
Calculated:
10.09.2026 17:38/4.1.287

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 5 - L9

Flicker curtailment by stopping specific turbines



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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 6 - L1

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June
1	14:18-14:44 12:23-13:24	14:22-15:00	16:18-16:47			20:21-20:55
2	14:17-14:44 12:23-13:24	14:23-14:59	16:18-16:45			20:21-20:55
3	14:18-14:46 12:24-13:25	14:24-14:59	16:20-16:45			20:21-20:55
4	14:17-14:46 12:24-13:25	14:25-14:58	16:21-16:43			20:21-20:55
5	14:17-14:47 12:25-13:25	14:26-14:57	16:22-16:40			20:21-20:55
6	14:18-14:48 12:27-13:25	14:28-14:56	16:25-16:38			20:22-20:56
7	14:17-14:49 12:27-13:25	16:09-16:20 14:30-14:55				20:22-20:56
8	14:17-14:50 12:28-13:25	16:06-16:22 14:31-14:52				20:22-20:56
9	14:17-14:51 12:30-13:25	16:04-16:25 14:34-14:50				20:22-20:56
10	14:17-14:52 12:55-13:25 12:31-12:53	16:03-16:27 14:40-14:45				20:22-20:56
11	14:17-14:53 12:56-13:25 12:32-12:53	16:02-16:27				20:23-20:56
12	14:18-14:54 12:58-13:25 12:34-12:52	16:01-16:28				20:23-20:57
13	14:17-14:54 12:58-13:24 12:35-12:50	16:00-16:29				20:23-20:56
14	14:17-14:55 13:00-13:24 12:38-12:49	16:31-16:36 16:00-16:30			20:34-20:38	20:23-20:57
15	14:18-14:56 13:01-13:24	16:00-16:41			20:30-20:42	20:24-20:57
16	14:17-14:56 13:02-13:22	15:59-16:42			20:28-20:45	20:24-20:57
17	14:18-14:57 13:05-13:21	15:59-16:45			20:26-20:46	20:25-20:58
18	14:17-14:57 13:07-13:19	15:58-16:45			20:26-20:48	20:25-20:58
19	14:18-14:58 13:13-13:15	15:59-16:47			20:24-20:48	20:25-20:58
20	14:18-14:58	15:59-16:47			20:23-20:49	20:25-20:58
21	14:17-14:59	15:59-16:48			20:23-20:50	20:25-20:58
22	14:17-14:59	15:59-16:48			20:22-20:50	20:25-20:58
23	14:18-15:00	16:00-16:48			20:22-20:51	20:25-20:58
24	14:18-15:00	16:01-16:49			20:22-20:52	20:26-20:59
25	14:19-15:00	16:02-16:48			20:21-20:52	20:26-20:59
26	14:19-15:00	16:04-16:48			20:21-20:53	20:27-21:00
27	14:19-15:00	16:05-16:48			20:21-20:53	20:26-20:59
28	14:20-15:00	16:09-16:48			20:21-20:54	20:27-21:00
29	14:20-15:00				20:21-20:54	20:26-21:00
30	14:21-15:00				20:21-20:55	20:27-21:00
31	14:21-15:00				20:21-20:55	

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10.09.2026 17:38/4.1.287

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 6 - L1

Flicker curtailment by stopping specific turbines

	July	August	September	October	November	December
1	20:27-21:01				15:32-15:56	13:59-14:35 12:39-13:07 12:15-12:34
2	20:27-21:00				15:34-15:55 14:06-14:18	14:00-14:35 12:39-13:08 12:14-12:36
3	20:27-21:01				15:35-15:53 14:02-14:21	14:01-14:35 12:39-13:09 12:14-12:37
4	20:27-21:01				15:37-15:51 14:00-14:23	14:01-14:34 12:38-13:09 12:13-12:37
5	20:28-21:02				15:41-15:48 13:58-14:25	14:02-14:34 12:13-13:10
6	20:28-21:02				13:57-14:26	14:03-14:35 12:13-13:11
7	20:28-21:02				13:55-14:27	14:03-14:34 12:12-13:11
8	20:28-21:02			17:01-17:13	13:55-14:29	14:05-14:34 12:13-13:12
9	20:28-21:02			16:57-17:16	13:54-14:29	14:06-14:35 12:13-13:13
10	20:28-21:02			16:55-17:17	13:54-14:31	14:06-14:34 12:13-13:14
11	20:28-21:02			16:53-17:18	13:53-14:31	14:07-14:34 12:12-13:14
12	20:29-21:03			16:53-17:19	13:52-14:31	14:08-14:35 12:13-13:15
13	20:29-21:03			16:51-17:20	13:52-14:32	14:09-14:34 12:13-13:15
14	20:29-21:03			16:42-17:20	13:52-14:32	14:10-14:34 12:13-13:16
15	20:29-21:02			16:38-17:20	13:52-14:33	14:10-14:34 12:14-13:16
16	20:30-21:03			16:36-17:20	13:52-14:33	14:11-14:34 12:14-13:17
17	20:30-21:02			16:35-17:21	13:52-14:33	14:12-14:35 12:14-13:17
18	20:31-21:03			16:33-17:20	13:53-14:34	14:13-14:35 12:15-13:18
19	20:31-21:02			16:31-17:20	13:53-14:34	14:14-14:35 12:15-13:19
20	20:31-21:01			16:30-17:19	13:52-14:34	14:14-14:35 12:15-13:19
21	20:32-21:01			16:30-17:19	13:54-14:35	14:15-14:36 12:16-13:19
22	20:32-21:00			16:29-17:18	13:54-14:35	14:16-14:37 12:17-13:20
23	20:33-21:00			16:29-17:17	13:54-14:35	14:16-14:37 12:17-13:20
24	20:34-21:00			16:28-17:15	13:54-14:34 12:46-12:54	14:16-14:37 12:17-13:21
25	20:35-20:59			16:29-17:15	13:55-14:34 12:43-12:57	14:17-14:38 12:18-13:22
26	20:36-20:58			15:28-16:13	13:56-14:35 12:42-13:00	14:17-14:39 12:19-13:22
27	20:36-20:56			15:28-16:10	13:56-14:35 12:41-13:02	14:17-14:40 12:19-13:22
28	20:38-20:55			15:29-16:08	13:57-14:35 12:40-13:03 12:20-12:27	14:17-14:40 12:20-13:23
29	20:41-20:53			15:29-15:59	13:58-14:35 12:40-13:05 12:18-12:30	14:17-14:41 12:21-13:23
30	20:44-20:49			15:30-15:58	13:58-14:35 12:39-13:06 12:16-12:32	14:17-14:41 12:20-13:23
31				15:31-15:57		14:17-14:42 12:21-13:23

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 7 - L2

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June
1	14:31-14:56 12:51-13:18	14:48-15:27	16:30-17:00		19:26-20:02	19:24-20:06
2	14:31-14:56 12:51-13:17	14:59-15:27 14:53-14:56	16:29-17:00		19:25-20:03	19:25-20:06
3	14:32-14:57 12:52-13:18	15:00-15:27	16:30-17:00		19:23-20:03	19:25-20:05
4	14:31-14:58 12:53-13:17	15:00-15:25	16:30-16:59		19:22-20:04	19:26-20:05
5	14:31-14:58 12:53-13:17	15:02-15:24	16:30-16:58		19:21-20:05	19:26-20:05
6	14:32-14:59 12:55-13:18	15:04-15:23	16:31-16:58		19:20-20:05	19:27-20:05
7	15:01-15:09 14:32-15:00 12:56-13:17	15:06-15:22	16:32-16:56		19:20-20:06	19:27-20:04
8	14:32-15:11 12:57-13:17	15:08-15:18	16:33-16:54		19:19-20:06	19:28-20:04
9	14:32-15:13 12:59-13:16		16:35-16:53		19:19-20:06	19:29-20:04
10	14:32-15:14 13:00-13:16		16:37-16:50		19:18-20:07	19:29-20:04
11	14:33-15:16 13:02-13:15				19:19-20:08	19:30-20:04
12	14:32-15:16 13:05-13:13				19:19-20:08	19:31-20:04
13	14:32-15:18				19:18-20:08	19:30-20:03
14	14:33-15:19				19:18-20:07	19:31-20:04
15	14:34-15:21				19:18-20:07	19:32-20:04
16	14:33-15:21				19:18-20:08	19:32-20:04
17	14:34-15:23				19:18-20:08	19:33-20:04
18	14:34-15:23				19:19-20:08	19:33-20:04
19	14:34-15:23				19:19-20:08	19:33-20:04
20	14:35-15:25	16:40-16:52			19:18-20:07	19:34-20:04
21	14:35-15:25	16:38-16:55			19:19-20:08	19:34-20:04
22	14:35-15:25	16:35-16:56			19:19-20:07	19:34-20:04
23	14:37-15:27	16:33-16:57			19:20-20:07	19:34-20:04
24	14:37-15:27	16:33-16:59			19:20-20:07	19:34-20:05
25	14:38-15:27	16:32-16:59		19:42-19:47	19:20-20:06	19:34-20:05
26	14:38-15:27	16:31-17:00		19:36-19:53	19:21-20:07	19:35-20:06
27	14:39-15:28	16:30-17:00		19:33-19:56	19:21-20:07	19:34-20:06
28	14:40-15:28	16:30-17:00		19:30-19:58	19:22-20:07	19:35-20:07
29	14:41-15:28			19:28-19:59	19:23-20:07	19:34-20:07
30	14:43-15:28			19:27-20:01	19:23-20:06	19:34-20:07
31	14:45-15:28				19:24-20:06	

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 7 - L2

Flicker curtailment by stopping specific turbines

	July	August	September	October	November	December
1	19:35-20:08	19:29-20:18				14:14-14:59 12:46-12:55
2	19:34-20:08	19:29-20:18				14:15-14:58 12:44-12:58
3	19:34-20:09	19:29-20:17			14:40-14:46	14:15-14:57 12:43-13:00
4	19:34-20:09	19:29-20:17		17:15-17:28	14:36-14:50	14:16-14:56 12:42-13:00
5	19:34-20:10	19:30-20:17		17:12-17:30	14:34-14:53	14:17-14:55 12:41-13:02
6	19:33-20:10	19:30-20:16		17:10-17:31	14:32-14:54	14:47-14:54 14:18-14:46 12:41-13:03
7	19:33-20:11	19:31-20:16		17:08-17:32	14:31-14:55	14:18-14:45 12:41-13:04
8	19:33-20:12	19:30-20:14		17:06-17:33	14:30-14:56	14:19-14:45 12:41-13:05
9	19:33-20:12	19:31-20:14		17:05-17:33	14:29-14:57	14:19-14:45 12:41-13:06
10	19:32-20:12	19:32-20:13		17:04-17:33	14:20-14:58	14:20-14:46 12:41-13:07
11	19:32-20:13	19:33-20:12		17:03-17:33	14:17-14:59	14:21-14:45 12:40-13:07
12	19:32-20:14	19:34-20:11		17:04-17:34	14:15-14:59	14:22-14:46 12:41-13:08
13	19:32-20:14	19:34-20:09		17:03-17:34	14:14-15:00	14:23-14:46 12:41-13:09
14	19:31-20:14	19:36-20:07		17:03-17:33	14:13-15:00	14:23-14:46 12:41-13:09
15	19:31-20:15	19:37-20:06		17:03-17:32	14:13-15:01	14:24-14:46 12:41-13:10
16	19:31-20:16	19:39-20:04		17:03-17:32	14:12-15:01	14:24-14:47 12:42-13:11
17	19:30-20:16	19:42-20:01		17:03-17:31	14:11-15:00	14:25-14:47 12:42-13:11
18	19:31-20:17	19:46-19:57		17:04-17:30	14:11-15:01	14:26-14:47 12:43-13:12
19	19:30-20:17			17:05-17:29	14:11-15:01	14:27-14:48 12:43-13:13
20	19:29-20:16			17:06-17:27	14:11-15:01	14:27-14:48 12:43-13:12
21	19:30-20:17			17:07-17:25	14:10-15:00	14:28-14:48 12:44-13:13
22	19:29-20:17			17:10-17:23	14:11-15:01	14:28-14:48 12:45-13:14
23	19:29-20:18			17:14-17:19	14:11-15:01	14:29-14:49 12:45-13:14
24	19:29-20:18				14:11-15:00	14:29-14:50 12:45-13:15
25	19:29-20:18				14:11-15:00	14:29-14:50 12:46-13:16
26	19:29-20:18				14:12-15:00	14:30-14:51 12:47-13:16
27	19:28-20:18				14:13-15:00	14:30-14:52 12:47-13:16
28	19:29-20:18				14:13-15:00	14:30-14:53 12:48-13:17
29	19:29-20:18				14:13-14:59	14:31-14:53 12:48-13:17
30	19:28-20:18				14:14-14:59	14:30-14:53 12:48-13:16
31	19:29-20:18					14:31-14:54 12:49-13:17

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 8 - L6

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1		09:03-09:32			06:46-07:16	05:38-06:06	05:47-06:08 05:14-05:36	05:52-06:10	06:56-07:13		08:36-08:59	
2		09:03-09:33			06:47-07:15	05:39-06:05 05:16-05:21	05:47-06:09 05:14-05:36	05:54-06:08	07:00-07:08		08:36-09:01	
3		09:03-09:33			06:48-07:14	05:39-06:05 05:14-05:24	05:46-06:09 05:14-05:35	05:56-06:06			08:35-09:01	
4		09:03-09:32			06:50-07:12	05:39-06:05 05:12-05:25	05:46-06:09 05:15-05:35				08:34-09:01	
5		09:03-09:32			06:50-07:09	05:39-06:04 05:11-05:26	05:46-06:10 05:16-05:34				08:34-09:02	
6		09:04-09:33			06:53-07:07	05:40-06:05 05:11-05:28	05:46-06:11 05:16-05:34	07:09-07:11			08:33-09:02	
7		09:04-09:32			06:56-07:03	05:40-06:05 05:10-05:28	05:46-06:11 05:17-05:34	07:04-07:17			08:34-09:03	
8		09:04-09:31				05:42-06:05 05:11-05:29	05:46-06:11 05:18-05:33	07:00-07:18			08:33-09:03	
9		09:05-09:31				05:42-06:04 05:10-05:30	05:46-06:12 05:19-05:32	06:59-07:20			08:33-09:03	
10		09:07-09:30			05:46-05:55	05:42-06:05 05:10-05:31	05:46-06:12 05:21-05:31	06:57-07:22			08:34-09:03	
11		09:07-09:29		06:59-07:12	05:44-05:58	05:42-06:04 05:09-05:31	05:47-06:13 05:24-05:29	06:56-07:23			08:34-09:03	
12		09:09-09:28		06:56-07:15	05:42-05:59	05:43-06:04 05:10-05:32	05:46-06:14	06:55-07:24			08:35-09:03	
13		09:12-09:26		06:53-07:16	05:40-06:00	05:43-06:04 05:09-05:31	05:46-06:14	06:54-07:25			08:35-09:03	
14		09:15-09:22		06:52-07:18	05:39-06:01	05:44-06:04 05:09-05:32	05:46-06:14	06:53-07:25			08:35-09:02	
15				06:50-07:19	05:39-06:02	05:44-06:04 05:09-05:33	05:46-06:15	06:52-07:25			08:37-09:02	
16				06:49-07:20	05:38-06:03	05:45-06:04 05:09-05:33	05:46-06:15	06:51-07:26			08:37-09:01	
17				06:47-07:20	05:37-06:03	05:45-06:04 05:10-05:33	05:45-06:14	06:51-07:26			08:38-09:00	
18				06:47-07:21	05:37-06:04	05:46-06:04 05:10-05:34	05:46-06:15	06:51-07:27			08:40-09:00	
19				06:46-07:20	05:37-06:04	05:46-06:04 05:10-05:34	05:46-06:15	06:50-07:27			08:41-08:59	
20				06:45-07:21	05:37-06:05	05:46-06:04 05:10-05:34	05:46-06:16	06:50-07:27			08:42-08:57	
21	09:11-09:19			06:45-07:21	05:36-06:05	05:46-06:05 05:10-05:34	05:46-06:15	06:49-07:26			08:45-08:56	
22	09:09-09:22			06:44-07:21	05:36-06:05	05:46-06:05 05:10-05:34	05:47-06:16	06:49-07:25			08:48-08:53	
23	09:07-09:24			06:44-07:21	05:36-06:05	05:47-06:05 05:11-05:35	05:46-06:15	06:49-07:25				
24	09:06-09:25			06:45-07:21	05:36-06:05	05:47-06:05 05:11-05:35	05:47-06:15	06:49-07:25				
25	09:05-09:27			06:44-07:20	05:37-06:06	05:47-06:05 05:11-05:35	05:47-06:14	06:50-07:24				
26	09:04-09:28			06:44-07:20	05:36-06:05	05:47-06:06 05:12-05:35	05:47-06:14	06:50-07:23				
27	09:04-09:29			06:45-07:19	05:36-06:05	05:47-06:06 05:11-05:35	05:48-06:14	06:51-07:22				
28	09:03-09:29			06:44-07:18	05:37-06:06	05:47-06:07 05:12-05:36	05:48-06:13	06:51-07:21				
29	09:03-09:30			06:45-07:17	05:37-06:06	05:47-06:07 05:12-05:35	05:49-06:13	06:51-07:19		08:41-08:54		
30	09:03-09:31			06:46-07:17	05:38-06:06	05:47-06:08 05:13-05:35	05:50-06:12	06:53-07:17		08:40-08:57		
31	09:03-09:32				05:38-06:06		05:50-06:11	06:54-07:15		08:38-08:58		

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 9 - L7

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1											15:21-15:51	
2											15:21-15:50	
3		16:00-16:11									15:23-15:50	
4		15:58-16:14									15:23-15:48	
5		15:56-16:16									15:25-15:48	
6		15:55-16:18									15:26-15:47	
7		15:55-16:19									15:27-15:45	
8		15:53-16:19									15:30-15:43	
9		15:53-16:20									15:33-15:39	
10		15:53-16:21										
11		15:52-16:21										
12		15:52-16:22										
13		15:51-16:22										
14		15:51-16:22										
15		15:52-16:23										
16		15:51-16:22										
17		15:52-16:22										
18		15:52-16:21								16:34-16:42		
19		15:53-16:21								16:30-16:45		
20		15:54-16:19								16:27-16:47		
21		15:55-16:19								16:25-16:48		
22		15:56-16:17								16:25-16:50		
23		15:58-16:14								16:23-16:50		
24		16:01-16:12								16:22-16:50		
25										16:22-16:52		
26										15:21-15:52		
27										15:21-15:51		
28										15:21-15:52		
29										15:21-15:52		
30										15:20-15:51		
31										15:21-15:51		

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 10 - L4

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June
1	14:02-14:40 10:06-10:31	15:15-15:48 14:31-14:37 10:03-10:53	16:14-16:53	18:19-19:12		
2	14:02-14:40 10:05-10:32	15:14-15:49 10:04-10:54	16:12-16:54	18:18-19:14		
3	14:03-14:41 10:05-10:33	15:12-15:49 10:04-10:53	16:12-16:55	18:18-19:16		
4	14:03-14:41 10:05-10:34	15:12-15:50 10:04-10:53	16:11-16:55	18:18-19:17		
5	14:03-14:41 10:04-10:35	15:12-15:51 10:05-10:53	16:09-16:55	18:17-19:18		
6	14:03-14:42 10:04-10:36	15:12-15:52 10:06-10:52	16:09-16:56	18:18-19:19		
7	14:04-14:43 10:04-10:38	15:10-15:52 10:07-10:52	16:09-16:56	18:17-19:19		
8	14:05-14:44 10:04-10:39	15:10-15:53 10:07-10:51	16:08-16:55	18:18-19:20		
9	14:05-14:44 10:04-10:40	15:11-15:53 10:08-10:50	16:08-16:56	18:18-19:20		
10	14:06-14:45 10:04-10:41	15:10-15:53 10:09-10:50	17:16-17:29 16:07-16:55	18:19-19:20		
11	14:07-14:45 10:04-10:42	15:10-15:53 10:10-10:48	17:13-17:32 16:07-16:55	18:19-19:20		
12	14:07-14:45 10:03-10:42	15:10-15:54 10:11-10:47	17:11-17:34 16:08-16:55	18:20-19:19		
13	14:08-14:46 10:03-10:43	15:10-15:53 10:12-10:45	17:09-17:35 16:07-16:54	18:22-19:19		
14	14:09-14:46 10:03-10:44	15:11-15:54 10:14-10:43	17:07-17:35 16:07-16:53	18:23-19:18		
15	14:09-14:46 10:02-10:45	15:10-15:53 10:17-10:41	17:06-17:36 16:07-16:52	18:25-19:18		
16	14:10-14:47 10:02-10:46	15:11-15:53 10:20-10:37	17:06-17:37 16:09-16:52	18:27-19:17		
17	14:10-14:47 10:03-10:47	15:12-15:53 10:27-10:30	17:05-17:37 16:09-16:51	18:42-19:17		
18	14:12-14:47 10:02-10:47	15:12-15:52	17:04-17:36 16:09-16:49	18:43-19:16		
19	14:13-14:47 10:02-10:48	15:13-15:52	17:04-17:37 16:11-16:48	18:43-19:15		
20	14:14-14:48 10:02-10:49	15:13-15:50	17:03-17:36 16:12-16:46	18:44-19:14		
21	14:14-14:48 10:02-10:49	15:14-15:49	17:03-17:36 16:13-16:44	18:44-19:12		
22	14:14-14:47 10:02-10:50	15:16-15:48	17:04-17:49 16:16-16:43	18:46-19:11		
23	14:16-14:48 10:02-10:51	16:26-16:41 15:17-15:46	17:03-17:52 16:18-16:40	18:48-19:09		
24	14:16-14:48 10:02-10:51	16:23-16:45 15:19-15:45	17:03-17:53 16:21-16:35	18:50-19:06		
25	14:17-14:47 10:02-10:52	16:20-16:47 15:21-15:42	17:05-17:56	18:53-19:03		
26	15:24-15:36 14:18-14:47 10:02-10:52	16:18-16:50 15:25-15:39	17:05-17:57			
27	15:21-15:39 14:19-14:46 10:02-10:52	16:16-16:51	17:06-17:57			
28	15:19-15:41 14:21-14:45 10:02-10:53	16:14-16:52	17:08-17:58			
29	15:18-15:43 14:22-14:44 10:02-10:53		17:10-17:59			
30	15:16-15:45 14:24-14:43 10:03-10:53		18:20-18:59 18:15-18:19			
31	15:15-15:46 14:27-14:41 10:03-10:53		19:02-19:07 18:20-18:59			

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 10 - L4

Flicker curtailment by stopping specific turbines

	July	August	September	October	November	December
1			18:19-19:19	17:48-18:14 16:46-17:33	14:40-15:23 09:38-10:18	13:49-14:27 09:45-10:24
2			18:18-19:19	17:49-18:12 16:46-17:33	14:39-15:22 09:37-10:19	13:48-14:27 09:46-10:24
3			18:17-19:18	17:51-18:10 16:45-17:33	14:40-15:23 09:37-10:20	13:48-14:27 09:47-10:23
4			18:16-19:17	17:53-18:06 16:45-17:32	14:40-15:22 09:36-10:21	13:49-14:28 09:48-10:23
5			18:14-19:16	16:45-17:33	14:41-15:22 09:36-10:22	13:49-14:28 09:49-10:23
6			18:13-19:15	16:45-17:33	14:42-15:21 09:35-10:22	13:50-14:29 09:50-10:23
7			18:13-19:14	16:45-17:32	14:42-15:20 09:34-10:22	13:50-14:28 09:51-10:22
8			18:12-19:12	16:45-17:31	14:43-15:20 09:35-10:24	13:50-14:29 09:52-10:22
9			18:12-19:11	16:45-17:30	14:44-15:19 09:34-10:24	13:50-14:29 09:53-10:22
10			18:11-19:09	16:45-17:29	14:44-15:18 09:35-10:25	13:51-14:29 09:54-10:22
11			18:11-19:06	16:45-17:28	14:46-15:18 13:59-14:10 09:34-10:24	13:51-14:29 09:55-10:21
12			18:11-19:03	16:45-17:27	14:47-15:17 13:56-14:13 09:34-10:24	13:52-14:29 09:57-10:22
13			18:11-18:51	16:47-17:27	14:49-15:16 13:55-14:15 09:35-10:25	13:53-14:30 09:57-10:22
14			18:04-18:50	16:48-17:25	14:50-15:14 13:53-14:17 09:34-10:25	13:53-14:30 09:58-10:21
15			18:00-18:49	16:48-17:23	14:52-15:12 13:52-14:18 09:34-10:25	13:53-14:31 09:59-10:21
16			17:56-18:48	16:50-17:21 15:58-16:10	14:55-15:11 13:52-14:19 09:35-10:25	13:54-14:31 10:00-10:21
17			17:54-18:45	16:51-17:19 15:53-16:13	14:59-15:07 13:51-14:20 09:35-10:25	13:54-14:31 10:01-10:21
18		19:02-19:07	17:52-18:44	16:54-17:17 15:51-16:16	13:50-14:20 09:35-10:25	13:55-14:32 10:02-10:22
19		18:56-19:11	17:51-18:42	16:57-17:14 15:49-16:17	13:50-14:22 09:36-10:25	13:56-14:33 10:03-10:22
20		18:54-19:13	17:50-18:40 17:07-17:23	17:03-17:07 15:47-16:18	13:50-14:22 09:37-10:25	13:55-14:32 10:03-10:21
21		18:52-19:15	17:49-18:37 17:03-17:26	15:45-16:19	13:49-14:23 09:37-10:25	13:56-14:33 10:04-10:22
22		18:50-19:16	18:21-18:32 17:48-18:20 17:00-17:28	15:44-16:21	13:50-14:24 09:38-10:25	13:56-14:33 10:04-10:22
23		18:48-19:18	17:47-18:20 16:57-17:29	15:43-16:21	13:50-14:24 09:39-10:25	13:57-14:34 10:05-10:23
24		18:47-19:18	17:47-18:20 16:55-17:30	15:42-16:21	13:50-14:25 09:39-10:25	13:58-14:34 10:05-10:24
25		18:46-19:19	17:47-18:20 16:53-17:31	15:42-16:23	13:49-14:25 09:40-10:25	13:58-14:35 10:05-10:24
26		18:45-19:20	17:46-18:19 16:52-17:32	14:41-15:23 09:51-10:05	13:49-14:25 09:40-10:24	13:58-14:35 10:06-10:26
27		18:44-19:19 18:31-18:42	17:46-18:18 16:51-17:32	14:40-15:23 09:47-10:09	13:48-14:25 09:42-10:25	13:59-14:36 10:06-10:26
28		18:27-19:19	17:47-18:18 16:49-17:33	14:40-15:23 09:45-10:12	13:49-14:27 09:43-10:25	14:00-14:37 10:06-10:27
29		18:25-19:19	17:47-18:17 16:48-17:33	14:40-15:23 09:43-10:14	13:49-14:27 09:44-10:24	13:59-14:37 10:05-10:27
30		18:23-19:19	17:47-18:15 16:47-17:33	14:39-15:23 09:41-10:15	13:49-14:27 09:44-10:24	14:00-14:38 10:05-10:28
31		18:21-19:19		14:40-15:23 09:40-10:17		14:01-14:38 10:05-10:30

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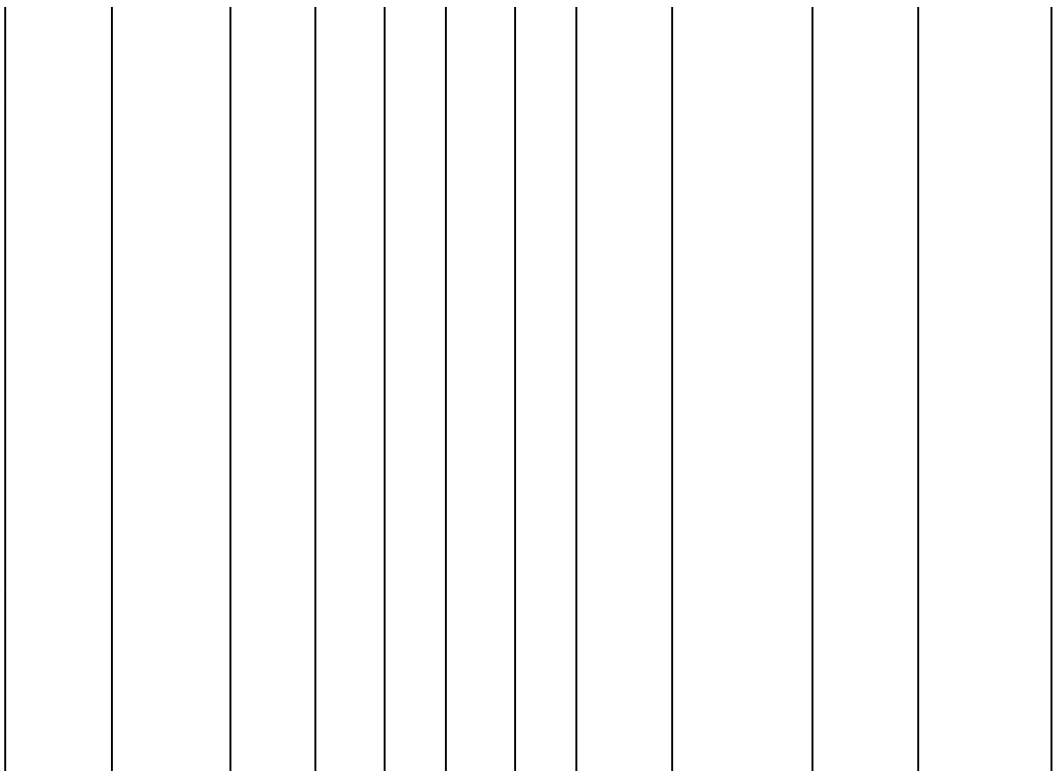
Calculated:
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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 11 - L10

Flicker curtailment by stopping specific turbines



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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 12 - L12

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June	July	August	September	October	November	December
1				07:39-08:03	06:19-07:02			06:32-06:57	06:57-07:26			
2				07:40-08:02	06:19-07:01			06:32-06:58	06:57-07:25			
3				07:41-08:00	06:19-06:59			06:31-06:59	06:58-07:24			
4				07:42-07:58	06:19-06:57			06:29-06:59	06:59-07:23			
5				07:45-07:55 07:10-07:19	06:19-06:53			06:29-06:59	07:00-07:22			
6				07:06-07:22	06:18-06:50			06:29-07:00	07:01-07:20			
7				07:04-07:24	06:19-06:51			06:29-07:00	07:43-07:47 07:03-07:17			
8				07:02-07:25	06:20-06:50			06:28-07:01	07:38-07:50 07:07-07:11			
9				07:00-07:26	06:20-06:49			06:27-07:05	07:35-07:52			
10				06:59-07:27	06:21-06:48			06:27-07:07	07:33-07:54			
11				06:58-07:27	06:21-06:48			06:27-07:09	07:32-07:55			
12				06:58-07:27	06:22-06:46			06:27-07:10	07:31-07:55			
13				06:49-07:27	06:22-06:45			06:28-07:11	07:30-07:56			
14				06:46-07:27	06:23-06:44			06:27-07:11	07:29-07:56			
15				06:43-07:27	06:26-06:43			06:27-07:12	07:29-07:56			
16				06:42-07:27	06:27-06:41			06:28-07:12	07:28-07:56			
17				06:40-07:26	06:29-06:38			06:28-07:13	07:28-07:55			
18				06:39-07:25				06:29-07:19	07:28-07:55			
19				06:38-07:24				06:30-07:23	07:28-07:54			
20			06:49-07:00	06:38-07:23				06:31-07:25	07:29-07:53			
21			06:47-07:03	06:31-07:23				06:32-07:25	07:29-07:51			
22			06:44-07:04	06:28-07:21				06:34-07:26	07:29-07:49			
23			06:42-07:05	06:26-07:19				06:37-07:27	07:31-07:47			
24			06:41-07:05	06:25-07:18				06:42-07:28	07:33-07:44			
25			06:41-07:06	06:23-07:14				06:42-07:28				
26			06:39-07:06	06:22-07:06				06:43-07:28				
27			06:39-07:06	06:21-07:06			06:41-06:48	06:44-07:29				
28			06:39-07:06	06:20-07:04			06:38-06:51	06:45-07:29				
29			06:38-07:05	06:19-07:04			06:36-06:53	06:45-07:27				
30			07:38-08:04	06:19-07:03			06:35-06:55	06:47-07:27				
31			07:39-08:04				06:33-06:55	06:57-07:27 06:52-06:56				

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 13 - L11

Flicker curtailment by stopping specific turbines

	January	February	March	April	May	June
1				07:24-08:12	06:19-07:20	05:29-06:31
2				07:23-08:12	06:19-07:19	05:28-06:31
3				07:22-08:10	06:18-07:18	05:28-06:31
4				07:20-08:08	06:18-07:16	05:28-06:31
5				07:20-08:07	06:18-07:14	05:28-06:31
6				07:19-08:04	06:58-07:12 06:17-06:57	05:28-06:31
7				07:19-08:01	07:02-07:07 06:17-06:57	05:28-06:31
8		08:36-08:44		07:18-07:53	06:17-06:57 06:03-06:15	05:28-06:32
9		08:33-08:48		07:18-07:52	05:51-06:57	05:28-06:32
10		08:32-08:50		07:18-07:52 07:03-07:17	05:48-06:56	05:28-06:32
11		08:29-08:51		07:00-07:51	05:46-06:56	05:28-06:32
12		08:29-08:53		06:58-07:50	05:45-06:56	05:28-06:32
13		08:28-08:54		06:55-07:49	05:43-06:55	05:28-06:32
14		08:27-08:54		06:54-07:48	05:42-06:55	05:28-06:32
15		08:27-08:55		06:52-07:46	05:42-06:55	05:28-06:32
16		08:26-08:55		06:52-07:45	05:41-06:54	05:29-06:32
17		08:26-08:56		06:50-07:43	05:40-06:53	05:29-06:33
18		08:25-08:55		06:50-07:41	05:41-06:53	05:29-06:33
19		08:25-08:56	06:56-07:08	07:26-07:37 06:49-07:25	05:40-06:52	05:29-06:33
20		08:25-08:55	06:53-07:10	06:48-07:26	05:40-06:52	05:29-06:33
21		08:26-08:55	06:51-07:12	06:48-07:26	05:40-06:51	05:29-06:33
22		08:25-08:54	06:49-07:13	06:47-07:25	05:38-06:51	05:29-06:33
23		08:27-08:54	06:47-07:14	06:48-07:26 06:34-06:43	05:35-06:49	05:30-06:34
24		08:27-08:53	06:47-07:15	06:48-07:26 06:30-06:47	05:34-06:49	05:30-06:34
25		08:27-08:51	06:45-07:15	06:27-07:24	05:33-06:48	05:30-06:34
26		08:29-08:50	06:44-07:15	06:25-07:24	05:31-06:46	05:31-06:35
27		08:30-08:48	06:43-07:15	06:24-07:24	05:31-06:45	05:31-06:34
28		08:33-08:46	06:43-07:15 06:36-06:42	06:22-07:22	05:30-06:44	05:31-06:35
29			06:31-07:14	06:21-07:22	05:30-06:42	05:31-06:35
30			07:28-08:13	06:20-07:21	06:34-06:39 05:30-06:31	05:32-06:36
31			07:26-08:13		05:29-06:31	

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SHADOW - Flicker curtailment calendar

Calculation: Enercon - Curtailment Real Case WTG: 13 - L11

Flicker curtailment by stopping specific turbines

	July	August	September	October	November	December
1	05:32-06:36	05:55-07:06	06:58-07:50		08:00-08:20	
2	05:33-06:37	05:56-07:06	07:00-07:50		08:02-08:18	
3	05:32-06:36	05:58-07:07	07:16-07:50 07:04-07:13		08:05-08:15	
4	05:33-06:37	05:59-07:06	07:16-07:50			
5	05:33-06:37	06:26-07:06 06:12-06:25	07:15-07:50			
6	05:34-06:37	06:26-07:06	07:15-07:59			
7	05:34-06:37	07:08-07:20 06:27-07:06	07:15-08:01			
8	05:34-06:38	06:27-07:23	07:14-08:02			
9	05:35-06:38	06:26-07:24	07:15-08:03			
10	05:35-06:38	06:27-07:26	07:15-08:04			
11	05:36-06:39	06:27-07:27	07:16-08:04			
12	05:37-06:39	06:28-07:28	07:17-08:05			
13	05:37-06:39	06:28-07:29	07:18-08:05			
14	06:42-06:47 05:38-06:39	06:28-07:29	07:20-08:05	09:06-09:18		
15	05:39-06:51	06:29-07:30	07:22-08:05	09:03-09:20		
16	05:39-06:53	06:30-07:30	07:33-08:04	09:01-09:22		
17	05:40-06:54	06:31-07:31	07:33-08:04	09:00-09:24		
18	05:41-06:56	06:33-07:31	07:33-08:03	08:58-09:24		
19	05:42-06:57	06:35-07:31	07:33-08:03	08:57-09:25		
20	05:44-06:59	06:53-07:31 06:38-06:51	07:33-08:02	08:56-09:25		
21	05:45-06:59	06:52-07:30	07:34-08:00	08:56-09:26		
22	05:47-07:01	06:52-07:30	07:34-07:58	08:56-09:26		
23	05:50-07:01	06:52-07:30	07:35-07:56	08:55-09:26		
24	05:50-07:02	07:32-07:39 06:52-07:30	07:37-07:53	08:55-09:25		
25	05:50-07:02	06:53-07:43	07:40-07:50	08:55-09:26		
26	05:51-07:03	06:53-07:45		07:55-08:25		
27	05:52-07:04	06:53-07:47		07:55-08:24		
28	05:51-07:04	06:54-07:48		07:56-08:24		
29	05:52-07:05	06:54-07:49		07:57-08:23		
30	05:53-07:06	06:55-07:49		07:57-08:22		
31	05:53-07:05	06:56-07:49		07:59-08:21		

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10.09.2026 17:38/4.1.287

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SHADOW - Flicker curtailment protection

Calculation: Enercon - Curtailment Real Case

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1																																									
2																																									
3																																									
4																													X												
5																																									
6																																									
7																																									
8			X																													X								X
9																																									
10																																									
11																																									
12								X																	X		X														
13								X												X					X				X						X		X				

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																															
2																															
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	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
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windPRO

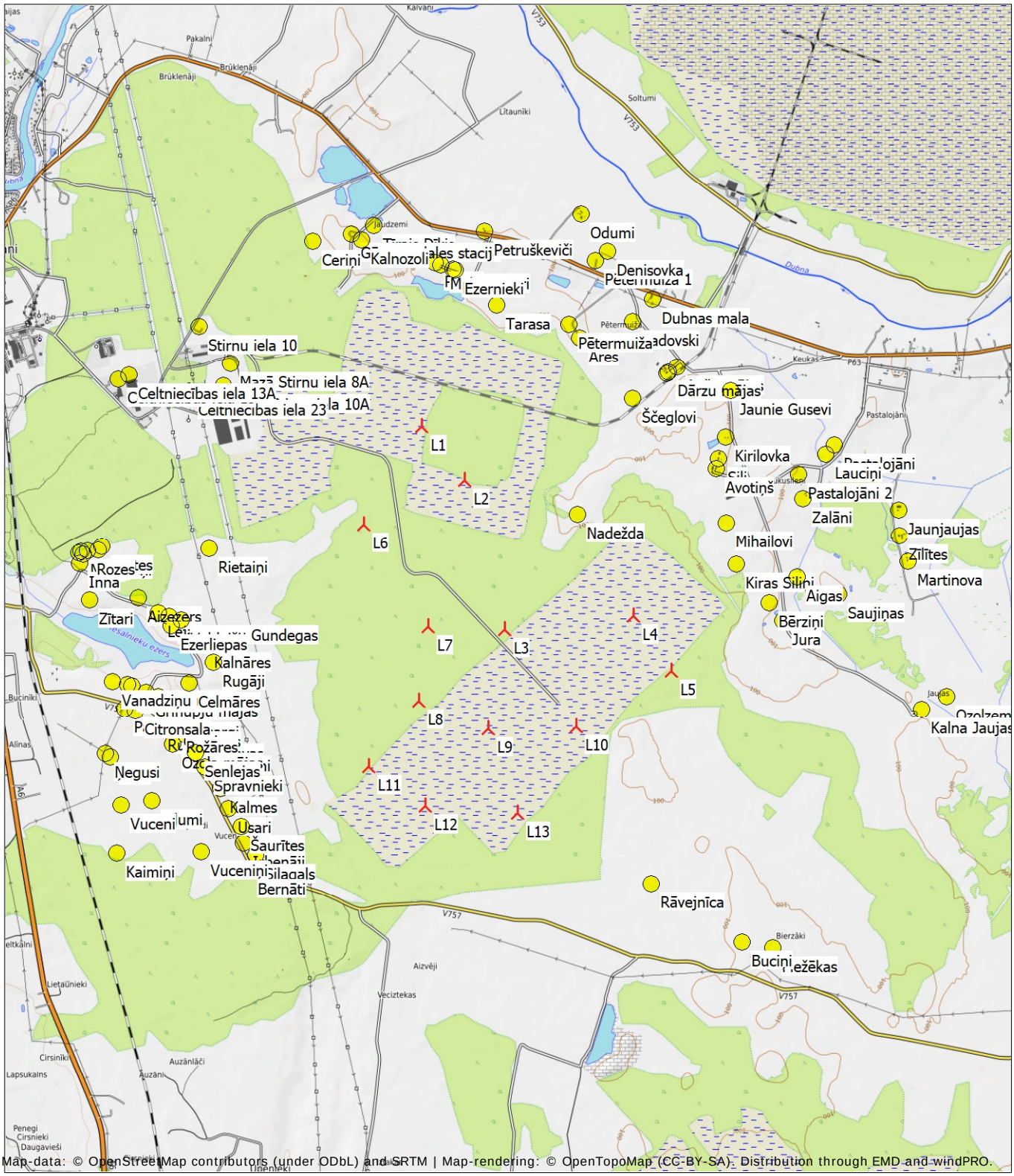
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Calculated:
10.09.2026 17:38/4.1.287

SKEPAST & PUHKIM

SHADOW - Map

Calculation: Enercon - Curtailment Real Case



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