Project:
Hogezandse Polder

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Calculated:
1-5-2014 15:48/2.9.269

SHADOW - Main Result

Calculation: 6 Boog

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

Scale 1:75.000

New WTG Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	93.929	413.853	0,0	5	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
2	95.571	413.482	0,0	1	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
3	93.514	413.987	0,0	6	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
4	94.741	413.643	0,0	3	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
5	94.320	413.742	0,0	4	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
6	95.166	413.560	0,0	2	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8

Project:
Hogezandse Polder

SHADOW - Map

Calculation:
6 Boog

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Calculated:
1-5-2014 15:51/2.9.269

SHADOW - Main Result

Calculation: 6 knik

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

Scale 1:75.000
New WTG
Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	93.920	413.838	0,0	5	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
2	95.561	413.533	0,0	1	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
3	93.544	413.986	0,0	6	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
4	94.648	413.557	0,0	3	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
5	94.294	413.695	0,0	4	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
6	95.095	413.550	0,0	2	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8

0 500 1000 1500 2000 m

Map: Topokaarten , Print scale 1:40.000, Map center Dutch Stereo-RD/NAP 2000 East: 93.820 North: 414.068

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

Project:

Hogezandse Polder

SHADOW - Map

Calculation:

6 knik

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Calculated:
1-5-2014 15:54/2.9.269

SHADOW - Main Result

Calculation: 6 lijn

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

Scale 1:75.000

New WTG Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	93.925	413.894	0,0	5	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
2	95.569	413.446	0,0	1	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
3	93.517	414.002	0,0	6	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
4	94.748	413.667	0,0	3	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
5	94.341	413.781	0,0	4	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
6	95.164	413.555	0,0	2	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8

0 500 1000 1500 2000 m

Map: Topokaarten , Print scale 1:40.000, Map center Dutch Stereo-RD/NAP 2000 East: 93.820 North: 414.068

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

Project:

Hogezandse Polder

SHADOW - Map

Calculation:

6 lijn

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Calculated:
1-5-2014 16:00/2.9.269

SHADOW - Main Result

Calculation: 9 boog

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

Scale 1:75.000

New WTG Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	93.936	413.810	0,0	5	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
2	95.513	413.500	0,0	1	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
3	93.558	413.940	0,0	6	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
4	94.711	413.603	0,0	3	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
5	92.790	414.222	0,0	8	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
6	92.422	414.399	0,0	9	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
7	93.173	414.076	0,0	7	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
8	94.319	413.692	0,0	4	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
9	95.112	413.544	0,0	2	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8

0 500 1000 1500 2000 m

Map: Topokaarten , Print scale 1:40.000, Map center Dutch Stereo-RD/NAP 2000 East: 93.820 North: 414.068

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

Project:

Hogezandse Polder

SHADOW - Map

Calculation:

9 boog

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SHADOW - Main Result

Calculation: 9 knik

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

Scale 1:75.000
New WTG
Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	93.920	413.838	0,0	5	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
2	95.561	413.533	0,0	1	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
3	93.544	413.986	0,0	6	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
4	94.648	413.557	0,0	3	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
5	92.793	414.276	0,0	8	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
6	92.422	414.421	0,0	9	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
7	93.168	414.139	0,0	7	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
8	94.294	413.695	0,0	4	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8
9	95.095	413.550	0,0	2	Yes	NORDEX	N117-2.400	2.400	116,8	120,0	1.487	11,8

0 500 1000 1500 2000 m

Map: Topokaarten , Print scale 1:40.000, Map center Dutch Stereo-RD/NAP 2000 East: 93.820 North: 414.068

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

Project:

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SHADOW - Map

Calculation:

9 knik

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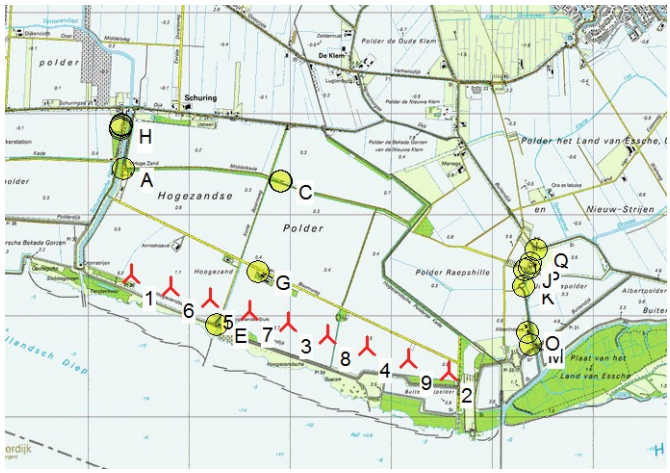
SHADOW - Main Result

Calculation: 9 lijn

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



Scale 1:75.000
New WTG
Shadow receptor

WTGs

	Dutch Stereo-RD/NAP 2000 East	North	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	92.422	414.399	0,0	9	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
2	95.567	413.446	0,0	1	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
3	93.983	413.926	0,0	5	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
4	94.763	413.690	0,0	3	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
5	93.206	414.162	0,0	7	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
6	92.814	414.281	0,0	8	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
7	93.597	414.043	0,0	6	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
8	94.372	413.808	0,0	4	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6
9	95.165	413.568	0,0	2	Yes	NORDEX	N117/3000-3.000	3.000	116,8	120,0	1.487	12,6

0 500 1000 1500 2000 m

Map: Topokaarten , Print scale 1:40.000, Map center Dutch Stereo-RD/NAP 2000 East: 93.820 North: 414.068

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

Project:
Hogezandse Polder

SHADOW - Map

Calculation:
9 lijn

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