

Project:

Farma wiatrowa

# Brojce Gmina Brojce

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Calculated:

2012-03-13 22:35/2.7.490

**ZVI - Standard ZVI summary****Calculation:** Widoczność - 21x3MW - V112 - Phase 1

## PROGNOZA

### ODDZIAŁYWANIA NA ŚRODOWISKO

DO PROJEKTU ZMIANY STUDIUM UWARUNKOWAŃ  
I KIERUNKÓW ZAGOSPODAROWANIA PRZESTRZENNEGO  
DLA WYBRANYCH TERENÓW W GMINIE BROJCE

## Analiza widoczności

Przedsięwzięcie:

Farma Wiatrowa

**Brojce**  
**Gmina Brojce**  
**21 x 3,0MW**  
**/119m/ - 106,5dB**

Inwestor:

**FINADVICE FAIR ENERGY**  
**WIND DEVELOPMENT 1 Sp. z o. o.**  
**ul. Śniadeckich 17**  
**00-654 Warszawa**

Marzec 2012r.

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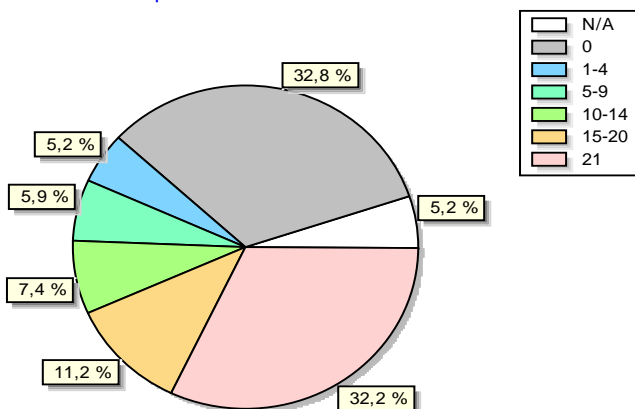
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## ZVI - Standard ZVI summary

Calculation: Widoczność - 21x3MW - V112 - Phase 1

Area with specific number of WTGs visible



Scale 1:750 000

New WTG

### Assumptions for ZVI calculation

Center for calculation

Width of calculation area

Height of calculation area

Calculation step

Eye height

Calculation area

Highest relevant visible part of a WTG

Obstacles used in calculation

Height contour object used in calculation

Area object(s) used in calculation

New WTGs used in calculation

Existing WTGs used in calculation

UTM WGS 84 Zone: 33 East: 524 100 North: 5 985 968

45 849 m

25 456 m

50 m

1,5 m

116 713 ha

Hub height + ½ rotor diameter

0

Height Contours: CONTOURLINE\_ONLINEDATA\_2.wpo (3)

Area object (ZVI): ZVI\_REGIONS\_Farma wiatrowa - Brojce\_0.w2r (1)

21

0

No maximum distance to WTG

### ZVI Results

WTGs visible	Area [ha]	Area [%]
N/A	6 079	5,2
0	38 317	32,8
1	1 368	1,2
2	1 539	1,3
3	1 857	1,6
4	1 340	1,1
5	1 138	1,0
6	1 807	1,5
7	1 305	1,1
8	1 441	1,2
9	1 226	1,1
10	2 024	1,7
11	2 096	1,8
12	1 206	1,0
13	1 795	1,5
14	1 528	1,3
15	1 900	1,6
16	1 585	1,4
17	1 927	1,7
18	2 488	2,1
19	2 441	2,1
20	2 723	2,3
21	37 584	32,2

### WTGs

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	East	North	Z
UTM WGS84 Zone: 33								
1	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	522 736	5 986 050	19,9
2	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	523 368	5 985 961	22,1
3	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 806	5 987 264	27,3
4	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 440	5 986 687	27,0
5	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 893	5 986 935	29,7
6	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 245	5 986 073	28,7
7	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	523 831	5 985 098	26,6
8	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	523 840	5 984 755	23,1
9	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 900	5 984 860	30,1
10	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	524 719	5 984 518	33,3
11	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	520 891	5 981 679	23,6
12	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	520 986	5 981 356	29,9
13	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 204	5 982 754	29,6
14	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 299	5 982 431	32,5
15	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 434	5 981 980	35,1
16	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 533	5 981 655	34,5
17	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 254	5 980 842	34,5
18	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	522 695	5 979 690	33,0
19	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 079	5 980 498	34,6
20	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	525 031	5 980 149	31,3
21	Yes	VESTAS V112-3.0 IC-3 000	3 000	112,0	119,0	523 591	5 984 057	23,1



WTGs visible	
Grey	0
Blue	1 - 4
Green	5 - 9
Light Green	10 - 14
Orange	15 - 20
Pink	21

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**ZVI - Map**  
Calculation:  
Widoczność - 21x3MW - V112 - Phase 1

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 New WTG

Map: Brojce100000C , Print scale 1:160 000, Map center UTM WGS 84 Zone: 33 East: 524 100 North: 5 985 968