

Project:

ZFT B alternativa Mezares

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SIA Estonian, Latvian & Lithuanian environment

Vilandes 3-6

LV-1010 Riga

0037167242411

Kristiana / kristiana@environment.lv

Calculated:

16/07/2024 6:50 pm/4.0.540

DECIBEL - Main Result

Calculation: Vestas V172-7.2 MW STE B alternativa 160724

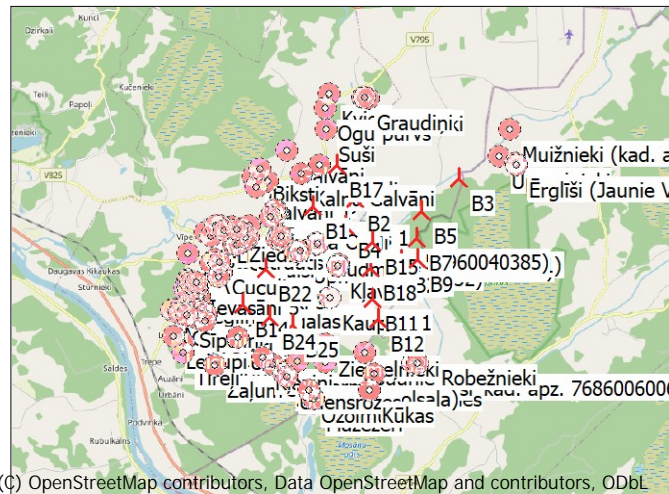
Noise calculation model:

Danish low frequency 2019

The calculation is based on "BEK nr 135 af 07/02/2019" from the Danish Environmental Agency.

All coordinates are in

Latvian TM LKS92-LKS92 (LV)



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

Scale 1:200,000

New WTG

Noise sensitive area

WTGs

	Y	X	Z	Row data/Description	WTG type			Power, rated	Rotor diameter	Hub height	Noise data		First wind speed [m/s]	LwaRef [dB(A)]	Last wind speed [m/s]	LwaRef [dB(A)]
					Valid	Manufact.	Type-generator				Creator	Name				
			[m]				[kW]	[m]	[m]							
B1	632,263	260,925	86.6	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B11	633,914	258,549	88.6	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B12	634,078	258,030	88.8	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B14	630,473	258,297	89.5	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B15	633,859	260,051	87.5	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B17	632,850	262,038	88.3	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B18	633,842	259,368	87.4	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B2	633,359	261,181	86.9	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B22	631,060	259,244	88.5	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B23	634,652	259,600	86.1	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B24	631,209	257,975	89.6	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B25	631,826	257,781	88.9	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B3	636,100	261,818	87.8	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B4	633,129	260,474	86.3	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B5	635,140	260,888	87.1	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B7	635,026	260,199	88.4	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f
B9	635,098	259,630	87.0	VESTAS V172-7.2 7200 17...	Yes	VESTAS	V172-7.2-7,200	7,200	172.0	175.0	USER	Vestas V172-7.2MW STE	6.0	98.7 f	8.0	98.9 f

f) From other hub height

Calculation Results

Sound level

Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Wind speed [m/s]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]
				[m]				
Aizveji (kad. apz. 56960040532)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (87)	629,002	259,580	100.0	1.5	6.0	20.0	10.5
Aizveji (kad. apz. 56960040532)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (100)	637,584	262,271	90.2	1.5	6.0	20.0	10.9
Araji	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (82)	629,007	258,901	109.8	1.5	6.0	20.0	10.7
Ausmas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (64)	629,026	258,878	110.2	1.5	6.0	20.0	11.2
Ausmas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (51)	630,655	261,679	95.5	1.5	6.0	20.0	11.7
Avenes	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (12)	630,824	261,888	96.6	1.5	6.0	20.0	11.8
Avotini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (24)	629,430	260,176	94.4	1.5	6.0	20.0	10.9
Avotini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (92)	629,834	259,085	98.6	1.5	6.0	20.0	14.4
Biksti	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (69)	629,826	259,009	100.0	1.5	6.0	20.0	14.5
Biksti	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (99)	634,025	256,561	89.8	1.5	6.0	20.0	12.4
Birzmalieš i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (23)	628,810	258,021	99.9	1.5	6.0	20.0	10.4
Birzmalieš i						8.0	20.0	10.7
Bisenieki						8.0	20.0	10.7
Bisenieki						8.0	20.0	11.1
Bisenieki 3						8.0	20.0	11.5
Bisenieki 3						8.0	20.0	11.6
Berzkalnes						8.0	20.0	11.7
Berzkalnes						8.0	20.0	12.1
Cerini						8.0	20.0	12.2
Cerini						8.0	20.0	12.2

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Calculation: Vestas V172-7.2 MW STE B alternativa 160724

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Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Wind speed [m/s]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]
Cuculi	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (86)	629,817	259,397	94.6	1.5	6.0	20.0	13.6
Cuculi						8.0	20.0	13.9
Dravnieki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (45)	633,644	263,831	90.0	1.5	6.0	20.0	10.5
Dravnieki						8.0	20.0	10.9
Druvas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (16)	631,293	260,825	87.4	1.5	6.0	20.0	15.0
Druvas						8.0	20.0	15.4
Darzipites (Purenes)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (18)	630,445	260,035	87.4	1.5	6.0	20.0	14.2
Darzipites (Purenes)						8.0	20.0	14.6
Ezermali	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (6)	631,982	256,839	90.5	1.5	6.0	20.0	14.5
Ezermali						8.0	20.0	14.9
Galvani	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (46)	631,518	262,403	95.0	1.5	6.0	20.0	12.8
Galvani						8.0	20.0	13.2
Galvani 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (41)	630,740	261,408	95.9	1.5	6.0	20.0	12.4
Galvani 1						8.0	20.0	12.7
Graudini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (89)	633,544	263,868	90.6	1.5	6.0	20.0	10.4
Graudini						8.0	20.0	10.8
Ievas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (19)	629,234	258,853	109.7	1.5	6.0	20.0	12.0
Ievas						8.0	20.0	12.4
Jaunberzi	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (97)	629,247	257,905	97.4	1.5	6.0	20.0	12.0
Jaunberzi						8.0	20.0	12.3
Jaundruvas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (5)	631,244	260,809	87.2	1.5	6.0	20.0	14.8
Jaundruvas						8.0	20.0	15.2
Jaundruvas 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (50)	631,328	260,722	88.5	1.5	6.0	20.0	15.2
Jaundruvas 1						8.0	20.0	15.6
Jaunie Robež nieki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (105)	633,740	257,133	89.9	1.5	6.0	20.0	14.8
Jaunie Robež nieki						8.0	20.0	15.2
Jaunlakstigālas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (21)	629,187	258,470	109.5	1.5	6.0	20.0	12.0
Jaunlakstigālas						8.0	20.0	12.4
Jaunrudzati	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (32)	628,619	258,104	102.7	1.5	6.0	20.0	9.8
Jaunrudzati						8.0	20.0	10.2
Kalna Galvani	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (10)	631,938	261,808	98.8	1.5	6.0	20.0	16.0
Kalna Galvani						8.0	20.0	16.4
Kalnmuīž a	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (8)	632,721	256,821	92.6	1.5	6.0	20.0	13.5
Kalnmuīž a						8.0	20.0	13.9
Kalnares	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (14)	631,053	261,571	97.6	1.5	6.0	20.0	13.1
Kalnares						8.0	20.0	13.4
Kaupres	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (61)	632,783	258,532	90.3	1.5	6.0	20.0	16.8
Kaupres						8.0	20.0	17.2
Kaupres 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (62)	632,799	258,538	90.5	1.5	6.0	20.0	16.9
Kaupres 1						8.0	20.0	17.2
Krasta Ozoli	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (2)	631,131	260,619	88.8	1.5	6.0	20.0	14.6
Krasta Ozoli						8.0	20.0	15.0
Krastini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (53)	631,465	260,045	88.7	1.5	6.0	20.0	16.2
Krastini						8.0	20.0	16.5
Kvieš i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (43)	632,611	263,913	90.8	1.5	6.0	20.0	10.1
Kvieš i						8.0	20.0	10.5
Klavas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (30)	632,956	259,394	90.6	1.5	6.0	20.0	18.1
Klavas						8.0	20.0	18.4
Klavini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (78)	631,053	256,922	91.6	1.5	6.0	20.0	14.6
Klavini						8.0	20.0	14.9
Kukas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (107)	633,899	256,150	92.0	1.5	6.0	20.0	11.1
Kukas						8.0	20.0	11.5
Laides	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (67)	629,905	259,102	97.0	1.5	6.0	20.0	14.6
Laides						8.0	20.0	15.0
Landzani	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (59)	629,286	258,641	110.1	1.5	6.0	20.0	12.4
Landzani						8.0	20.0	12.8
Landzani 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (27)	629,116	258,741	111.9	1.5	6.0	20.0	11.6
Landzani 1						8.0	20.0	12.0
Landzani 4	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (83)	628,932	258,678	110.4	1.5	6.0	20.0	10.9
Landzani 4						8.0	20.0	11.3
Landzani 5	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (65)	629,081	258,816	110.8	1.5	6.0	20.0	11.4
Landzani 5						8.0	20.0	11.8
Leiš upi	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (9)	628,671	257,407	93.8	1.5	6.0	20.0	9.3
Leiš upi						8.0	20.0	9.7
Liepsala	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (36)	633,000	259,440	91.0	1.5	6.0	20.0	18.3
Liepsala						8.0	20.0	18.6
Liciš i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (33)	629,928	260,232	91.1	1.5	6.0	20.0	12.2
Liciš i						8.0	20.0	12.6
Mazezeri	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (80)	632,423	255,859	91.2	1.5	6.0	20.0	10.7
Mazezeri						8.0	20.0	11.0
Meistari	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (34)	628,595	258,081	102.2	1.5	6.0	20.0	9.7
Meistari						8.0	20.0	10.1
Mež a Muiž a	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (66)	631,348	260,063	89.8	1.5	6.0	20.0	16.0
Mež a Muiž a						8.0	20.0	16.4
Mež muiž a	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (58)	631,411	260,014	88.8	1.5	6.0	20.0	16.2
Mež muiž a						8.0	20.0	16.6
Mež vidi	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (25)	631,891	258,644	91.2	1.5	6.0	20.0	17.5
Mež vidi						8.0	20.0	17.8
Muiž nieki (kad. apz. 56960040061)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (20)	630,201	259,845	91.7	1.5	6.0	20.0	14.0

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...continued from previous page

Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Wind speed [m/s]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]
				[m]				
Muiž nieki (kad. apz. 56960040061)						8.0	20.0	14.3
Muiž nieki (kad. apz. 76860010011)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (98)	637,413	263,145	89.7	1.5	6.0	20.0	9.1
Muiž nieki (kad. apz. 76860010011)						8.0	20.0	9.5
Ogu purvs	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (44)	632,503	263,565	90.8	1.5	6.0	20.0	11.1
Ogu purvs						8.0	20.0	11.5
Ozolmuiž a	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (77)	632,309	256,092	92.0	1.5	6.0	20.0	11.4
Ozolmuiž a						8.0	20.0	11.7
Ozolsalina	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (47)	631,296	256,744	90.3	1.5	6.0	20.0	13.9
Ozolsalina						8.0	20.0	14.3
OŠ ini (kad. apz. 76860060068001)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (104)	635,060	256,873	89.5	1.5	6.0	20.0	12.2
OŠ ini (kad. apz. 76860060068001)						8.0	20.0	12.5
OŠ ini (kad. apz. 76860060068006)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (106)	635,063	256,890	89.4	1.5	6.0	20.0	12.2
OŠ ini (kad. apz. 76860060068006)						8.0	20.0	12.6
Pludmales	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (55)	632,402	259,972	87.5	1.5	6.0	20.0	17.6
Pludmales						8.0	20.0	18.0
Pludmales 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (54)	632,389	259,979	87.5	1.5	6.0	20.0	17.6
Pludmales 1						8.0	20.0	18.0
Rudzati	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (71)	628,835	258,131	101.9	1.5	6.0	20.0	10.5
Rudzati						8.0	20.0	10.9
Raceni	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (93)	631,440	260,124	89.3	1.5	6.0	20.0	16.0
Raceni						8.0	20.0	16.4
Ruki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (90)	633,500	263,869	90.4	1.5	6.0	20.0	10.4
Ruki						8.0	20.0	10.8
Saulkrasti	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (49)	629,817	260,364	90.5	1.5	6.0	20.0	11.7
Saulkrasti						8.0	20.0	12.0
Saulites	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (68)	629,092	258,651	111.8	1.5	6.0	20.0	11.6
Saulites						8.0	20.0	11.9
Seglini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (29)	629,043	258,604	111.3	1.5	6.0	20.0	11.4
Seglini						8.0	20.0	11.8
Senlici	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (72)	629,159	258,479	110.1	1.5	6.0	20.0	11.9
Senlici						8.0	20.0	12.3
Skola (kad. apz. 56960040345001)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (81)	630,464	259,995	90.5	1.5	6.0	20.0	14.5
Skola (kad. apz. 56960040345001)						8.0	20.0	14.8
Skola (kad. apz. 56960040345002)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (74)	630,497	259,971	90.9	1.5	6.0	20.0	14.7
Skola (kad. apz. 56960040345002)						8.0	20.0	15.0
Skola (kad. apz. 56960040345005)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (73)	630,516	259,989	90.8	1.5	6.0	20.0	14.7
Skola (kad. apz. 56960040345005)						8.0	20.0	15.0
Spridiš i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (31)	630,287	259,867	91.4	1.5	6.0	20.0	14.2
Spridiš i						8.0	20.0	14.6
Starumeni	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (57)	629,570	260,072	91.0	1.5	6.0	20.0	11.5
Starumeni						8.0	20.0	11.8
Straumenini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (4)	630,371	260,297	90.6	1.5	6.0	20.0	13.3
Straumenini						8.0	20.0	13.6
Strauti	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (17)	630,507	260,064	86.7	1.5	6.0	20.0	14.4
Strauti						8.0	20.0	14.7
Strautini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (11)	630,135	260,339	89.7	1.5	6.0	20.0	12.5
Strautini						8.0	20.0	12.9
SuŠ i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (3)	632,558	262,979	90.8	1.5	6.0	20.0	13.7
SuŠ i						8.0	20.0	14.0
Sipolini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (35)	628,994	257,983	98.4	1.5	6.0	20.0	11.0
Sipolini						8.0	20.0	11.4
Turaiki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (84)	629,707	259,447	96.1	1.5	6.0	20.0	13.0
Turaiki						8.0	20.0	13.4
Tireli	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (42)	628,943	256,985	93.8	1.5	6.0	20.0	9.4
Tireli						8.0	20.0	9.8
Tudalinas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (13)	630,581	260,365	90.5	1.5	6.0	20.0	13.7
Tudalinas						8.0	20.0	14.0
Uplejas (kad. apz. 56960040385)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (22)	630,496	260,063	86.5	1.5	6.0	20.0	14.3
Uplejas (kad. apz. 56960040385)						8.0	20.0	14.7
Upmales	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (75)	631,821	259,742	87.8	1.5	6.0	20.0	16.6
Upmales						8.0	20.0	17.0
Upmalnieki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (102)	637,168	262,426	89.6	1.5	6.0	20.0	11.5
Upmalnieki						8.0	20.0	11.9
Upmali	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (76)	631,974	259,757	87.6	1.5	6.0	20.0	16.6
Upmali						8.0	20.0	17.0
UpiŠ i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (103)	635,172	256,887	90.1	1.5	6.0	20.0	12.0
UpiŠ i						8.0	20.0	12.3
Vaivarini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (88)	628,948	257,218	93.6	1.5	6.0	20.0	9.8
Vaivarini						8.0	20.0	10.2
Vecveveri	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (15)	629,448	258,075	98.7	1.5	6.0	20.0	13.2
Vecveveri						8.0	20.0	13.5
Viduslejas	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (1)	629,699	260,354	90.1	1.5	6.0	20.0	11.4
Viduslejas						8.0	20.0	11.7
VilniŠ i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (70)	631,367	260,092	90.3	1.5	6.0	20.0	16.0
VilniŠ i						8.0	20.0	16.3
Valodzes	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (26)	629,323	258,499	108.2	1.5	6.0	20.0	12.7
Valodzes						8.0	20.0	13.0
Veji	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (63)	629,018	258,582	111.4	1.5	6.0	20.0	11.3
Veji						8.0	20.0	11.7

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Project:

ZFT B alternativa Mezares

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Calculated:

16/07/2024 6:50 pm/4.0.540

DECIBEL - Main Result

Calculation: Vestas V172-7.2 MW STE B alternativa 160724

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Noise sensitive area

No.	Name	Y	X	Z	Immission height [m]	Wind speed [m/s]	Demands Noise [dB(A)]	Sound level From WTGs [dB(A)]
Vejini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (37)	628,995	258,562	111.2	1.5	6.0	20.0	11.2
Vejini						8.0	20.0	11.6
Vejkalni	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (85)	629,623	259,351	101.3	1.5	6.0	20.0	12.9
Vejkalni						8.0	20.0	13.2
Veveri	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (56)	629,484	257,821	96.5	1.5	6.0	20.0	12.9
Veveri						8.0	20.0	13.3
Veveri 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (38)	629,515	258,020	97.6	1.5	6.0	20.0	13.5
Veveri 1						8.0	20.0	13.8
Vipes skola 1	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (96)	630,575	260,083	88.0	1.5	6.0	20.0	14.5
Vipes skola 1						8.0	20.0	14.9
Vipmali	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (52)	632,392	262,044	91.5	1.5	6.0	20.0	18.6
Vipmali						8.0	20.0	18.9
Zalumi	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (91)	629,788	256,666	93.6	1.5	6.0	20.0	10.9
Zalumi						8.0	20.0	11.2
Ziedini	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (48)	630,259	260,280	89.1	1.5	6.0	20.0	13.0
Ziedini						8.0	20.0	13.4
Ziemeli	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (60)	628,970	258,544	110.9	1.5	6.0	20.0	11.1
Ziemeli						8.0	20.0	11.5
Ziemeļnieki	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (7)	632,730	257,300	92.1	1.5	6.0	20.0	15.1
Ziemeļnieki						8.0	20.0	15.4
Zilītes	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (40)	631,276	260,636	88.6	1.5	6.0	20.0	15.1
Zilītes						8.0	20.0	15.5
Zilusalā (Ozolsala)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (79)	631,638	256,495	91.5	1.5	6.0	20.0	12.9
Zilusalā (Ozolsala)						8.0	20.0	13.3
Ergliš i (Jaunie Vuš karnieki)	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (101)	637,624	262,213	89.9	1.5	6.0	20.0	10.3
Ergliš i (Jaunie Vuš karnieki)						8.0	20.0	10.6
Ives	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (39)	629,102	258,794	111.2	1.5	6.0	20.0	11.5
Ives						8.0	20.0	11.9
Kirš i	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (28)	629,224	258,684	110.5	1.5	6.0	20.0	12.1
Kirš i						8.0	20.0	12.5
Udensrozes	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (94)	631,716	256,417	91.1	1.5	6.0	20.0	12.6
Udensrozes						8.0	20.0	13.0
Udri	Noise sensitive point: Danish 2019 low frequency - Regular dwellings (95)	630,377	257,422	99.4	1.5	6.0	20.0	15.5
Udri						8.0	20.0	15.9

Distances (m)

NSA	WTG																	
	B1	B11	B12	B14	B15	B17	B18	B2	B22	B23	B24	B25	B3	B4	B5	B7	B9	
Aizveji (kad. apz. 56960040532)	3527	5018	5306	1951	4879	4565	4843	4641	2085	5649	2728	3348	7440	4222	6274	6054	6094	
Araji	5488	5226	5501	8145	4336	4739	4735	4363	7191	3966	7686	7300	1552	4803	2808	3291	3626	
Ausmas	3833	4919	5144	1585	4985	4960	4857	4912	2081	5687	2388	3033	7668	4412	6445	6156	6133	
Avenes	3830	4899	5122	1559	4973	4960	4840	4907	2067	5671	2362	3007	7659	4403	6435	6143	6117	
Avotini	1777	4519	5003	3387	3594	2224	3937	2749	2469	4505	3745	4070	5446	2752	4554	4615	4892	
Biksti	1731	4549	5046	3608	3547	2031	3931	2631	2654	4459	3931	4227	5275	2704	4429	4528	4832	
Birzmalieš i	2930	4769	5119	2148	4430	3894	4484	4055	1877	5253	2829	3387	6868	3711	5753	5595	5693	
Bisenieki	3047	4115	4373	1015	4139	4220	4018	4101	1236	4845	1767	2381	6835	3576	5603	5310	5291	
Bisenieki 3	3100	4114	4363	962	4165	4280	4032	4147	1257	4862	1727	2347	6873	3614	5636	5334	5308	
Berzkalnes	4704	1990	1470	3953	3493	5600	2812	4667	3997	3102	3150	2514	5651	4013	4467	3772	3250	
Cerini	4510	5130	5267	1685	5440	5696	5208	5537	2560	6050	2399	3025	8217	4966	6947	6585	6489	
Cuculi	2884	4183	4474	1280	4094	4021	4024	3966	1252	4838	1989	2578	6732	3483	5527	5270	5285	
Draņnieki	3217	5288	5816	6377	3785	1960	4467	2665	5264	4349	6341	6316	3174	3396	3301	3886	4444	
Druvas	975	3472	3946	2657	2680	1974	2936	2096	1598	3575	2851	3090	4907	1870	3847	3785	3988	
Darzipites (Purenes)	2024	3774	4149	1738	3414	3130	3462	3131	1002	4229	2197	2643	5928	2720	4771	4584	4670	
Ezermali	4095	2580	2411	2098	3720	5270	3139	4555	2575	3840	1374	955	6460	3811	5134	4533	4182	
Galvani	1655	4537	5066	4236	3317	1381	3821	2209	3191	4204	4438	4631	4618	2513	3925	4142	4527	
Galvani 1	1598	4271	4748	3122	3401	2201	3712	2628	2187	4309	3465	3786	5374	2565	4429	4452	4705	
Graudini	3209	5331	5861	6360	3829	1957	4509	2693	5248	4409	6337	6324	3276	3419	3380	3957	4513	
Ievas	3670	4689	4913	1357	4777	4818	4636	4736	1867	5468	2161	2804	7477	4219	6246	5946	5914	
Jaunberzi	4268	4711	4833	1287	5086	5483	4822	5257	2254	5664	1963	2582	7890	4655	6604	6217	6099	
Jaundruvas	1026	3498	3968	2627	2722	2022	2970	2147	1575	3615	2833	3083	4959	1915	3896	3830	4029	
Jaundruvas 1	957	3378	3848	2571	2618	2012	2855	2082	1501	3508	2749	2982	4895	1818	3815	3735	3924	
Jaunie Robež nieki	4068	1426	958	3468	2920	4984	2237	4065	3411	2629	2667	2021	5245	3395	4006	3324	2842	
Jaunlaktigalas	3935	4727	4910	1297	4931	5113	4740	4975	2026	5579	2082	2727	7679	4422	6424	6089	6022	
Jaunrudzati	4607	5313	5459	1863	5589	5776	5373	5650	2693	6214	2593	3223	8350	5094	7089	6740	6655	
Kalna Galvani	941	3811	4341	3804	2603	941	3095	1553	2710	3498	3901	4028	4161	1788	3331	3482	3837	
Kalnmuiž a	4129	2100	1818	2689	3425	5218	2783	4406	2937	3384	1902	1312	6032	3676	4731	4089	3680	
Kalnāres	1372	4161	4657	3325	3191	1856	3553	2338	2327	4103	3599	3868	5051	2348	4142	4203	4485	
Kaupres	2448	1131	1389	2322	1861	3506	1349	2711	1864	2152	1669	1216	4668	1972	3332	2794	2562	
Kaupres 1	2446	1116	1376	2338	1848	3500	1333	2702	1876	2136	1686	1232	4653	1964	3317	2778	2545	

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DECIBEL - Main Result

Calculation: Vestas V172-7.2 MW STE B alternativa 160724

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NSA	WTG																	
	B1	B11	B12	B14	B15	B17	B18	B2	B22	B23	B24	B25	B3	B4	B5	B7	B9	
Krasta Ozoli	1172	3468	3922	2413	2786	2228	2985	2297	1377	3665	2645	2921	5110	2003	4017	3917	4087	
Krastini	1187	2870	3299	2010	2394	2426	2471	2208	898	3217	2086	2293	4961	1718	3769	3564	3656	
Kvieš i	3008	5520	6062	6008	4058	1890	4708	2832	4919	4771	6100	6181	4069	3477	3942	4430	4952	
Klavas	1680	1278	1766	2714	1117	2646	886	1832	1901	1708	2250	1969	3969	1094	2645	2221	2154	
Klavini	4181	3291	3222	1492	4203	5422	3709	4843	2322	4485	1065	1156	7031	4114	5694	5150	4867	
Kukas	5047	2399	1889	4043	3901	5980	3218	5060	4199	3531	3250	2638	6080	4392	4897	4202	3681	
Laides	2980	4046	4308	985	4065	4158	3945	4031	1163	4772	1723	2331	6763	3504	5530	5236	5218	
Landzani	3751	4628	4830	1235	4784	4923	4612	4799	1873	5450	2034	2681	7516	4257	6269	5946	5894	
Landzani 1	3830	4802	5012	1428	4920	4980	4767	4894	2008	5601	2229	2875	7630	4371	6394	6086	6047	
Landzani 4	4017	4983	5186	1587	5114	5161	4957	5085	2202	5793	2383	3029	7824	4565	6588	6280	6238	
Landzani 5	3816	4839	5058	1485	4934	4957	4792	4887	2024	5624	2288	2933	7632	4374	6402	6102	6070	
Leiš upi	5027	5365	5442	2009	5822	6237	5529	6017	3013	6369	2600	3176	8638	5410	7344	6940	6799	
Liepsala	1657	1277	1775	2773	1054	2602	845	1777	1949	1659	2313	2032	3906	1042	2583	2163	2106	
Liciš i	2435	4326	4697	2010	3934	3435	4007	3559	1502	4765	2594	3099	6371	3210	5252	5097	5204	
Mazezeri	5067	3074	2729	3121	4430	6192	3784	5402	3648	4353	2439	2012	7000	4667	5714	5059	4622	
Meistari	4641	5339	5483	1890	5620	5810	5402	5683	2725	6244	2616	3245	8382	5126	7120	6770	6684	
Mež a Muiž a	1257	2979	3403	1971	2510	2481	2588	2300	868	3335	2092	2331	5064	1828	3880	3680	3774	
Mež muiž a	1247	2901	3324	1957	2448	2483	2515	2270	846	3267	2049	2271	5023	1779	3829	3620	3706	
Mež vidi	2310	2026	2272	1460	2419	3526	2081	2931	1024	2921	955	865	5271	2209	3948	3499	3355	
Muiž nieki (kad. apz. 56960040061)	2327	3932	4280	1571	3663	3438	3671	3428	1048	4456	2124	2626	6218	2994	5046	4837	4900	
Muiž nieki (kad. apz. 76860010011)	5607	5776	6105	8465	4711	4694	5197	4504	7454	4493	8075	7744	1867	5047	3203	3791	4208	
Ogu purvs	2651	5211	5754	5645	3766	1566	4405	2533	4555	4510	5737	5823	3998	3154	3757	4206	4713	
Ozolmuiž a	4832	2934	2624	2869	4251	5970	3617	5196	3390	4218	2181	1757	6866	4458	5568	4924	4504	
Ozolsalina	4291	3179	3065	1758	4183	5517	3656	4893	2511	4406	1234	1165	6986	4156	5651	5083	4772	
Oš ini (kad. apz. 76860060068001)	4922	2029	1517	4802	3397	5617	2776	4631	4649	2757	4005	3358	5053	4085	4015	3326	2757	
Oš ini (kad. apz. 76860060068006)	4910	2017	1506	4800	3382	5602	2762	4616	4643	2740	4003	3356	5035	4071	3998	3309	2740	
Pludmales	962	2077	2565	2555	1459	2113	1561	1541	1527	2280	2326	2266	4132	883	2886	2633	2717	
Pludmales 1	953	2091	2579	2549	1472	2109	1576	1544	1518	2294	2325	2269	4141	891	2897	2646	2731	
Rudzati	4421	5095	5243	1645	5377	5601	5156	5455	2487	5998	2378	3011	8145	4891	6880	6526	6438	
Raceni	1148	2933	3367	2067	2419	2377	2517	2190	958	3254	2161	2374	4957	1725	3777	3586	3690	
Ruki	3193	5336	5866	6340	3834	1942	4513	2691	5228	4421	6322	6313	3311	3415	3402	3974	4529	
Saulkrasti	2510	4481	4858	2168	4054	3464	4146	3635	1673	4894	2764	3272	6448	3314	5348	5211	5331	
Saulites	3901	4822	5024	1425	4967	5058	4803	4960	2055	5639	2222	2868	7689	4429	6447	6131	6084	
Seglīni	3969	4871	5067	1462	5028	5126	4858	5026	2116	5695	2255	2901	7753	4493	6509	6191	6140	
Senlici	3952	4755	4939	1326	4956	5127	4766	4994	2049	5606	2111	2757	7701	4443	6447	6114	6049	
Skola (kad. apz. 56960040345001)	2025	3741	4114	1698	3395	3141	3435	3128	959	4206	2153	2599	5922	2708	4759	4566	4647	
Skola (kad. apz. 56960040345002)	2007	3701	4073	1674	3363	3132	3399	3107	919	4171	2119	2561	5898	2680	4732	4534	4613	
Skola (kad. apz. 56960040345005)	1981	3690	4065	1693	3343	3105	3383	3082	922	4153	2130	2567	5874	2657	4709	4514	4595	
Spridiš i	2241	3859	4213	1581	3577	3359	3590	3341	993	4373	2104	2592	6131	2907	4959	4750	4816	
Starumeni	2825	4603	4949	1991	4289	3824	4329	3948	1705	5103	2661	3215	6758	3582	5629	5457	5545	
Straumenini	1993	3950	4345	2002	3496	3029	3592	3115	1258	4336	2468	2906	5926	2764	4804	4655	4773	
Strauti	1956	3729	4109	1767	3352	3064	3406	3063	989	4170	2203	2636	5861	2654	4705	4521	4611	
Strautini	2207	4181	4569	2070	3735	3202	3831	3332	1433	4576	2596	3066	6144	2997	5034	4892	5012	
Suš i	2075	4633	5176	5125	3204	985	3832	1968	4024	3975	5182	5249	3726	2569	3322	3717	4203	
Sipolini	4396	4951	5083	1511	5285	5594	5041	5410	2419	5883	2214	2838	8073	4826	6796	6425	6320	
Turaiki	2952	4302	4595	1382	4195	4073	4135	4042	1368	4947	2103	2695	6817	3573	5620	5371	5393	
Tireli	5151	5210	5240	2014	5792	6386	5447	6090	3095	6278	2472	2990	8634	5448	7322	6878	6698	
Tudalinas	1772	3796	4204	2071	3292	2819	3409	2895	1219	4142	2471	2868	5706	2550	4588	4448	4575	
Uplejas (kad. apz. 56960040385)	1966	3738	4118	1766	3362	3072	3417	3073	994	4181	2206	2640	5871	2665	4715	4531	4621	
Upmales	1262	2409	2832	1976	2061	2516	2055	2106	909	2834	1870	1961	4755	1499	3510	3237	3278	
Upmalnieki	5128	5060	5371	7864	4072	4334	4517	4006	6886	3783	7436	7077	1229	4484	2545	3089	3478	
Upmali	1202	2285	2722	2094	1907	2443	1908	1986	1048	2682	1939	1982	4611	1359	3361	3083	3126	
Upiš i	4975	2083	1582	4906	3425	5649	2814	4660	4739	2761	4109	3463	5016	4127	4000	3314	2743	
Vaivarini	4972	5141	5194	1868	5669	6201	5345	5929	2926	6180	2384	2932	8502	5299	7197	6769	6605	
Vecveveri	4005	4491	4630	1048	4833	5222	4580	4994	1991	5422	1764	2396	7631	4394	6348	5968	5859	
Viduslejas	2626	4584	4956	2197	4170	3572	4257	3751	1755	5009	2817	3337	6564	3432	5465	5328	5446	
Vilniš i	1223	2978	3406	2006	2492	2446	2578	2270	902	3321	2123	2356	5036	1803	3855	3660	3758	
Valodzes	3811	4591	4777	1167	4793	4995	4601	4845	1890	5440	1957	2603	7544	4287	6287	5950	5883	
Veji	4001	4896	5090	1482	5058	5159	4887	5059	2146	5724	2273	2920	7784	4525	6540	6221	6168	
Vejini	4032	4918	5110	1501	5086	5190	4912	5088	2174	5750	2290	2936	7814	4554	6569	6248	6194	
Vejkalni	3073	4365	4646	1354	4292	4198	4218	4159	1441	5034	2099	2705	6929	3681	5725	5468	5481	
Veveri	4166	4489	4599	1097	4910	5395	4624	5128	2123	5465	1732	2342	7728	4508	6433	6030	5897	
Veveri 1	3998	4430	4562	996	4794	5221	4531	4976	1971	5373	1694	2323	7600	4368	6312	5925	5809	
Vipes skola 1	1886	3675	4060	1789	3284	2999	3344	2992	969	4105	2201	2620	5790	2584	4635	4452	4545	
Vipmali	1127	3812	4353	4209	2475	458	3044	1296	3100	3329	4237	4300	3714	1735	2981	3216	3626	

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Project:

ZFT B alternativa Mezares

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Kristiana / kristiana@environment.lv

Calculated:

16/07/2024 6:50 pm/4.0.540

DECIBEL - Main Result

Calculation: Vestas V172-7.2 MW STE B alternativa 160724

...continued from previous page

NSA	WTG																
	B1	B11	B12	B14	B15	B17	B18	B2	B22	B23	B24	B25	B3	B4	B5	B7	B9
Zalumi	4924	4534	4501	1768	5293	6182	4871	5755	2874	5679	1931	2322	8146	5065	6815	6317	6079
Ziedini	2105	4044	4432	1994	3606	3131	3696	3228	1309	4444	2492	2949	6039	2876	4917	4767	4881
Ziemeli	4063	4943	5133	1522	5115	5220	4940	5119	2204	5778	2310	2955	7844	4584	6599	6277	6222
Ziemeļnieki	3654	1720	1533	2467	2973	4738	2347	3931	2562	2996	1664	1024	5635	3198	4321	3697	3321
Zilites	1028	3363	3826	2472	2648	2108	2861	2153	1408	3531	2661	2907	4965	1860	3871	3775	3951
Zilusalā (Ozolsalā)	4473	3065	2883	2145	4192	5673	3621	4991	2808	4326	1540	1299	6945	4249	5617	5019	4668
Ergliši (Jaunie Vuš karnieki)	5513	5214	5482	8152	4341	4777	4732	4388	7203	3957	7687	7297	1575	4819	2815	3287	3612
Ives	3811	4817	5033	1457	4919	4956	4773	4879	2008	5607	2260	2906	7621	4363	6389	6087	6052
Kirši	3775	4691	4897	1307	4832	4939	4667	4830	1919	5504	2107	2753	7555	4295	6312	5996	5948
Udensrozes	4540	3061	2860	2253	4218	5733	3636	5038	2901	4329	1638	1368	6955	4295	5630	5025	4664
Udri	3978	3712	3751	880	4363	5236	3974	4798	1946	4797	999	1493	7215	4109	5890	5415	5211