

Table 1. Oliver IV Wind Energy Center - Shadow Flicker and Acoustic Assessment Results - Participating Landowners

Receptor ID	Predicted Shadow Flicker Hours per Year ¹	Predicted Sound Level (dBA) ^{2,3}	Nearest WTG	
			ID	Distance (ft) ⁴
R010	0	36	73	3,902
R012	0	44	73	2,163
R013	4	44	73	2,045
R015	5	45	71	1,711
R034	10	42	70	2,942
R035	15	43	70	2,639
R096	22	45	30	2,069
R098	12	45	52	2,350
R100 ⁵	11	45	43	2,290
R101 ⁵	30	45	43	2,337
R102	4	43	66	3,579
R103	20	44	57	2,556
R104	25	44	57	2,728
R105	14	44	34	2,363
R106	1	45	24	2,432
R107	7	44	24	2,601
R108	16	45	1	1,944
R112	11	45	11	2,153
R114	24	45	47	1,940
R115	0	45	47	2,019
R116	18	45	48	2,756
R117	12	45	60	2,787
R118	8	45	60	2,801
R120	15	44	65	2,679
R121	7	41	65	3,950
R122	4	41	64	3,899
R123	11	42	72	2,600
R125 ⁵	0	37	68	5,158
R126 ⁵	0	37	68	5,027
R142	4	45	25	2,259
R143 ⁵	10	44	26	3,117
R144	8	45	16	3,018
R147	15	45	16	1,973
R157	12	45	34	2,183
R158	24	45	47	1,969
U124	3	42	68	3,043

1. Values presented herein reflect the "With Alternates" data contained within Application Appendix B3.

2. Values presented herein reflect the "With Alternates" data contained within Application Appendix B2.

3. Sound level compliance with N.D. Admin Code 69-06-08-01 is measured at a 100-foot distance from the receptor. The presented sound level is the highest predicted noise level at a minimum distance of 100 feet from the receptor in virtually any direction.

4. Distances measured from the receptor center point to the nearest wind turbine, values not intended for setback evaluation.

5. Final participation agreement pending.

Table 2. Oliver IV Wind Energy Center - Shadow Flicker and Acoustic Assessment Results - Non-Participating Parcels, Participating Landowner

Receptor ID	Predicted Shadow Flicker Hours per Year ¹	Predicted Sound Level (dBA) ^{2,3}	Nearest WTG	
			ID	Distance (ft) ⁴
R016	3	37	71	3,966
R110	0	36	13	5,783
R113	13	45	19	2,644
R119	26	45	60	2,113
R129	0	34	61	5,213
R130	0	34	61	4,965
R131	0	34	61	5,092

1. Values presented herein reflect the "With Alternates" data contained within Application Appendix B3.

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3. Sound level compliance with N.D. Admin Code 69-06-08-01 is measured at a 100-foot distance from the receptor. The presented sound level is the highest predicted noise level at a minimum distance of 100 feet from the receptor in virtually any direction.

4. Distances measured from the receptor center point to the nearest wind turbine, values not intended for setback evaluation.

Table 3. Oliver IV Wind Energy Center - Shadow Flicker and Acoustic Assessment Results - Non-Participating Landowners

Receptor ID	Predicted Shadow Flicker Hours per Year ¹	Predicted Sound Level (dBA) ^{2,3}	Nearest WTG	
			ID	Distance (ft) ⁴
R011 ⁵	0	37	73	3,571
R019	0	38	71	3,758
R020	0	38	71	3,643
R024	9	40	67	3,468
R025	6	41	67	3,437
R038	0	41	70	3,897
R039	0	41	70	3,997
R040	0	41	70	4,113
R041	0	41	70	4,235
R043	0	40	70	4,768
R045	0	40	70	4,682
R046	0	40	70	4,765
R047	0	40	70	4,975
R048 ⁵	7	41	70	5,156
R049 ⁵	7	40	70	5,783
R085 ⁵	8	42	69	4,604
R086 ⁵	6	44	54	2,944
R092	11	43	13	2,389
R093	0	44	13	2,592
R094	11	42	29	2,213
R095	20	42	41	2,885
R097	13	44	30	2,389
R109	0	37	13	5,196
R111	4	43	5	3,357
R138	12	42	61	2,345
R148	0	35	5	6,071
R159	5	44	38	3,443
R176	4	43	5	3,282
R180	6	41	2	3,139
R181	0	37	1	4,929
R182	0	39	1	3,475
U145	5	44	38	3,511

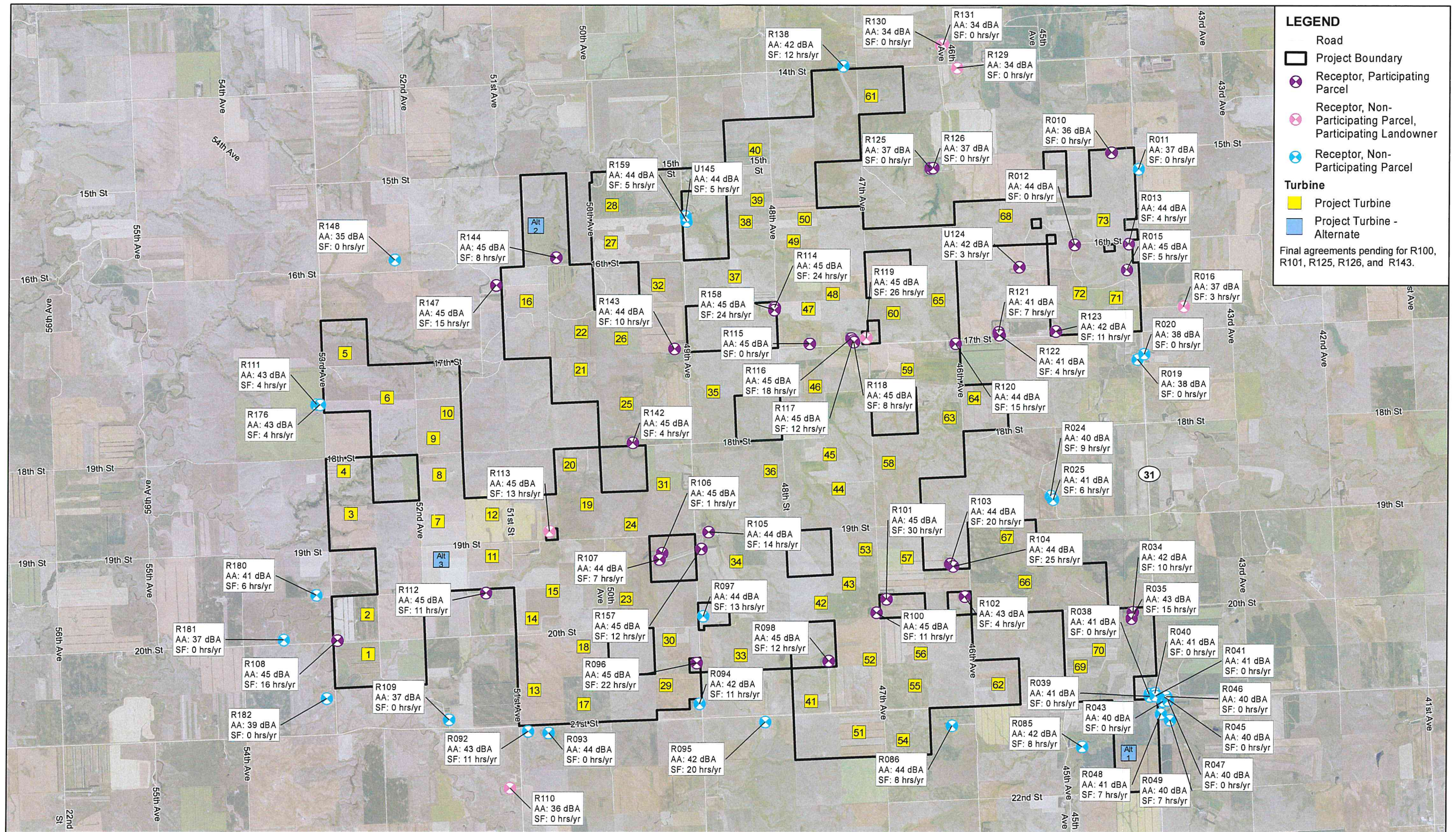
1. Values presented herein reflect the "With Alternates" data contained within Application Appendix B3.

2. Values presented herein reflect the "With Alternates" data contained within Application Appendix B2.

3. Sound level compliance with N.D. Admin Code 69-06-08-01 is measured at a 100-foot distance from the receptor. The presented sound level is the highest predicted noise level at a minimum distance of 100 feet from the receptor in virtually any direction.

4. Distances measured from the receptor center point to the nearest wind turbine, values not intended for setback evaluation.

5. Participant in the Red Butte Wind Energy Project.



Source: AECOM, 2024. 2022 Aerial Imagery from North Dakota state agencies & ND GIS Hub.

Definitions: AA = Acoustic Assessment Result; SF = Shadow Flicker Assessment Result

Values presented herein reflect the "With Alternates" data contained within Application Appendix B2 & B3

1 0 1 Miles

Scale: 1:63,360 1 in = 1 miles

Path: \\na.aecomnet.com\dfs\AMERIS\SanDiego-USSDG1\Legacy\USSDG1\FP001\LaJolla\Resources\EMP\NOISE\PROJECTS\Oliver IV GIS\02_Maps\02_Report_Maps\OliverWindIVEnergyCenter.mxd, hannah.duffy, 1/23/2024, 3:09:27 PM

FIGURE 1
PROJECT OVERVIEW - RECEPTOR DETAIL

OLIVER WIND IV ENERGY CENTER

DATE: 1/23/2024