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June 6, 2024

Via Electronic Mail & Hand Delivery

Mr. Steve Kahl Executive Director North Dakota Public Service Commission 600 E. Boulevard, Dept. 408 Bismarck, ND 58505-0480 ndpsc@nd.gov

In re: Oliver Wind IV, LLC

Oliver Wind IV Wind Energy Center - Oliver County

Siting Application Case No. PU-23-317

Our File No. 035218-000083

Dear Mr. Kahl:

On behalf of Oliver Wind IV, LLC, please find enclosed for filing in the above-referenced matter eight copies of the executed Certification Relating to Modification of Wind Facility Pursuant to Certification Relating to Order Provision No. 37 with attached Exhibit 1 Modification Memorandum. Also enclosed is a USB drive containing the associated GIS files. A ShareFile link to the GIS files is provided in the associated electronic filing correspondence.

Please feel free to call should you have any questions. Thank you.

Sincerely,

/s/ Casey A. Furey

Casey A. Furey

CAF/lh

cc:

enc.

Robert Frank (via email) Brian Johnson (via email) Tracy Davis (via email) Lindsey Churchill (via email) Erik Edison (via email)

BILLINGS BISMARCK BOZEMAN BUTTE CASPER CHEYENNE HELENA KALISPELL MISSOULA SHERIDAN WILLISTO

STATE OF NORTH DAKOTA PUBLIC SERVICE COMMISSION

Oliver Wind IV, LLC 200 MW Oliver Wind IV Energy Center Oliver County Siting Application Case No. PU-23-317

CERTIFICATION RELATING TO MODIFICATION OF WIND FACILITY PURSUANT TO CERTIFICATION RELATING TO ORDER PROVISION NO. 37

STATE OF FLORIDA)	
) ss.	AFFIDAVIT OF ANTHONY PEDRONI
COUNTY OF PALM BEACH)	

Pursuant to Certification Relating to Order Provision No. 37, the undersigned, Anthony Pedroni declares:

- 1. I am more than eighteen years of age, competent to testify as a witness, and make this affidavit based on my personal knowledge and belief as to the facts set forth within. I am the Vice President, an authorized representative of Oliver Wind IV, LLC ("Oliver Wind IV"), with the authority to bind Oliver Wind IV to the following.
- 2. On September 28, 2023, in Case No. PU-23-317, Oliver Wind IV filed an Application for a Certificate of Site Compatibility ("Application") for the construction and operation of the approximately 200-megawatt Oliver Wind IV Energy Center (the "Project") located in Oliver County, North Dakota.
- 3. On April 29, 2024, the North Dakota Public Service Commission ("Commission") issued Findings of Fact, Conclusions of Law and Order ("Order") granting Oliver Wind IV Site Certificate No. 67 for the construction and operation of the Project.
- 4. Certification Relating to Order Provision No. 37(A) of the Certification Relating to Order Provisions Energy Conversion Facility Siting ("Certification Provision No. 37") outlines the procedural process for filing and notifying the Commission of modifications to the Project occurring inside the designated site that affect no Commission Avoidance Areas.
- 5. Pursuant to Certification Provision No. 37, Oliver Wind IV provides written notice of proposed modifications to the Project that occur wholly within the designated site as described herein.
- 6. The modifications relate to the dropping of Turbine 35, activating of Alternative Turbine 3, and modifications to two access roads and one collection line. A memorandum prepared by

Oliver Wind IV's consultant is attached hereto as Exhibit 1 and discusses the Project modifications in more detail.

- 7. The dropping of Turbine 35 and activation of Alternative Turbine 3 will not change the total number of turbines proposed to be constructed. The Project will continue to have a total of 73 constructed turbines, however only two alternative turbines will remain. The dropping of Turbine 35 will necessitate the removal of the associated access road and collection line locations from the Project site plan. Alternative Turbine 3 was included in the Project's original site plan and is within the previously surveyed areas for wetlands, wildlife, and cultural resources. As a result of this modification, additional sound and shadow flicker assessments were conducted. The dropping of Turbine 35 and activation of Alternative Turbine 3 do not result in any exceedances of the Commission's 45-dbA sound requirement or the Commission's recognized 30 hours per year industry standard of shadow flicker at all inhabited residences. The results of these assessments are located in Exhibit 1, Attachment 2 hereto.
- 8. The first access road modification relates to Turbine 34. This access road has been modified to continue north to align with the edge of cropland per landowner request. This revised access road location occurs within previously surveyed areas, and no additional surveys were required for this modification.
- The second access road modification relates to Turbine 63. This access road has been modified to an east-west alignment to better accommodate farming operations per landowner request.
- 10. The collection line modification relates to a collection line to Turbine 27. This collection line has been modified to provide a more direct route to Turbine 27 which minimizes the disturbance area. This modification is also proposed in response to a landowner request.
- 11. The access road modification to Turbine 63 and collection line modification to Turbine 27 required additional surveying for cultural resources and wetlands and waterbodies. These additional surveys occurred in April 2024 as discussed in Exhibit1 hereto. No new cultural resources were documented during surveys. Concurrence on the Class III Cultural Resources survey from the North Dakota State Historic Preservation Office was received on May 28, 2024. See Exhibit 1, Attachment 3. Similarly, no new wetlands or other waters were documented during the additional surveys. These modifications are located in cropland; therefore, no Dakota skipper habitat is present.
- 12. All of the above-described modifications are within areas covered by the Project's prior avian, bat, raptor, lek, and nest surveys and whooping crane assessment. These modifications do not change the results of those studies.

13. In accordance with Certification Provision No. 37:

- a) Activities associated with the Project's modifications will occur within the designated site and will not affect any known Exclusion or Avoidance Areas.
- b) An updated Figure 13 map depicting the designated site and Project modifications is marked as Exhibit 1, Attachment 1 hereto. GIS shapefiles of the site modifications are also enclosed.
- c) Oliver Wind IV will continue to comply with the Commission's Order, law and rules designating the site.

Anthony Pedroni
Vice President
Oliver Wind IV, LLC

STATE OF FLORIDA) ss.
COUNTY OF PALM BEACH)

On this <u>b</u> day of <u>duvo</u>, 2024, before me personally appeared Anthony Pedroni, known to me to be the Vice President and an authorized representative of the limited liability company that is described in and that executed the within instrument, and acknowledged to me that such limited liability company executed the same.

Notary Public State of Florida
Jennifer Reynoso
My Commission HH 091424
Expires 02/21/2025

Notary Public

Memorandum

To: North Dakota Public Service Commission

From: Oliver Wind IV, LLC

Subject: Case Number PU-23-317

Oliver Wind IV Energy Center

Modifications of Energy Conversion Facility Site Plan

Date: May 28, 2024

Introduction

Pursuant to Certification Relating to Order Provision Number 37, Oliver Wind IV, LLC (Oliver Wind IV) submits to the North Dakota Public Service Commission (Commission) this supporting documentation for proposed modifications to the Oliver Wind IV Energy Center Project (Project) Site Plan. The Project Site Plan modifications include dropping Turbine 35, activating Alternative Turbine 3, and access road and collection line modifications requested by landowners.

Project Site Plan Modifications

The dropping of Turbine 35 and activation of Alternative Turbine 3 will not change the total number of turbines constructed, *i.e.*, Oliver Wind IV will construct 73 total turbines (consisting of 68 GE 2.82 MW turbines and five GE 2.52 MW turbines), but this change will reduce the number of alternative turbine locations from three to two. The dropping of Turbine 35 will also necessitate the removal of the associated access road and collection line from the Site Plan. Oliver Wind IV has communicated with the applicable landowners regarding the Site Plan modification to remove Turbine 35 and activate Alternative Turbine 3, and no objections were received.

The landowner-requested Site Plan modifications include modifications to two access roads and one collection line. The access road to Turbine 34 has been modified to continue north following the edge of the cropland. The access road to Turbine 63 has been modified to an east-west alignment, which will better accommodate farming operations. The collection line to Turbine 27 has been modified to provide a more direct route to the turbine, which minimizes the disturbance area. Project Site Plan modifications are provided in Attachment 1.

Surveys and Studies

The activation of Alternative Turbine 3 is within the previously surveyed areas for wetlands, Dakota skipper (*Hesperia dacotae*), cultural, and tribal resources. Oliver Wind IV contracted AECOM to update the acoustic assessment and shadow flicker assessment as a result of dropping Turbine 35 and activating Alternative Turbine 3. The updated acoustic modeling results indicate that the predicted sound levels will not exceed the Commission's current sound limit of 45 A-weighted decibels (dBA) within 100 feet of an inhabited residence or community building. The highest modeled acoustic impact within 100 feet of an inhabited residence is 45-dBA. The updated shadow flicker modeling results indicate that predicted shadow flicker impacts are within the Commission-recognized 30 hours per year industry standard at all inhabited residences. The highest modeled shadow flicker impact at any residence is 30 hours per year. The methodology for both studies remain the same

as described in reports filed with the Project Application (Appendix B2 and B3). Updated results for the shadow flicker and acoustic assessments are provided in Attachment 2.

The access road to Turbine 34 modification is also within the previously surveyed areas for wetlands and other waters, Dakota skipper, cultural, and tribal resources.

The access road to Turbine 63 and collection line to Turbine 27 modifications were surveyed for wetlands and other waters on April 9, 2024 by Merjent, Inc. (Merjent). Merjent utilized the same methodology outlined in the report filed with the Project Application (Appendix B6). No new wetlands or other waters were documented during surveys. Both areas are in cropland; therefore, no Dakota skipper habitat was present.

The access road to Turbine 63 and collection line to Turbine 27 modifications were surveyed for cultural resources on April 9, 2024, by Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell). The Project modifications do not impact cultural or tribal resources per a Class III Cultural Resources survey. Burns & McDonnell utilized the same methodology outlined in the Project Application (Appendix B4). No new sites were documented during surveys. Concurrence on the Class III Cultural Resources survey from the North Dakota State Historic Preservation Office was received on May 28, 2024 (Attachment 3).

The Project Site Plan modifications are within the area covered by the avian, bat, raptor, lek, and nest surveys and the whooping crane desktop assessment and does not change the results of those studies. There are no new impacts to unbroken grasslands as the Project modifications are located in cropland. No new Exclusion or Avoidance Areas were located in the additional survey areas. The Project Site Plan modifications do not impact the Commission's Exclusion and Avoidance Criteria as presented in Tables 3.1-1 and 3.2-1 of the Project Application. The Project Site Plan modifications result in negligible changes to the total Project impacts calculations presented in Table 5.3-1 of the Project Application (Docket No. 1).

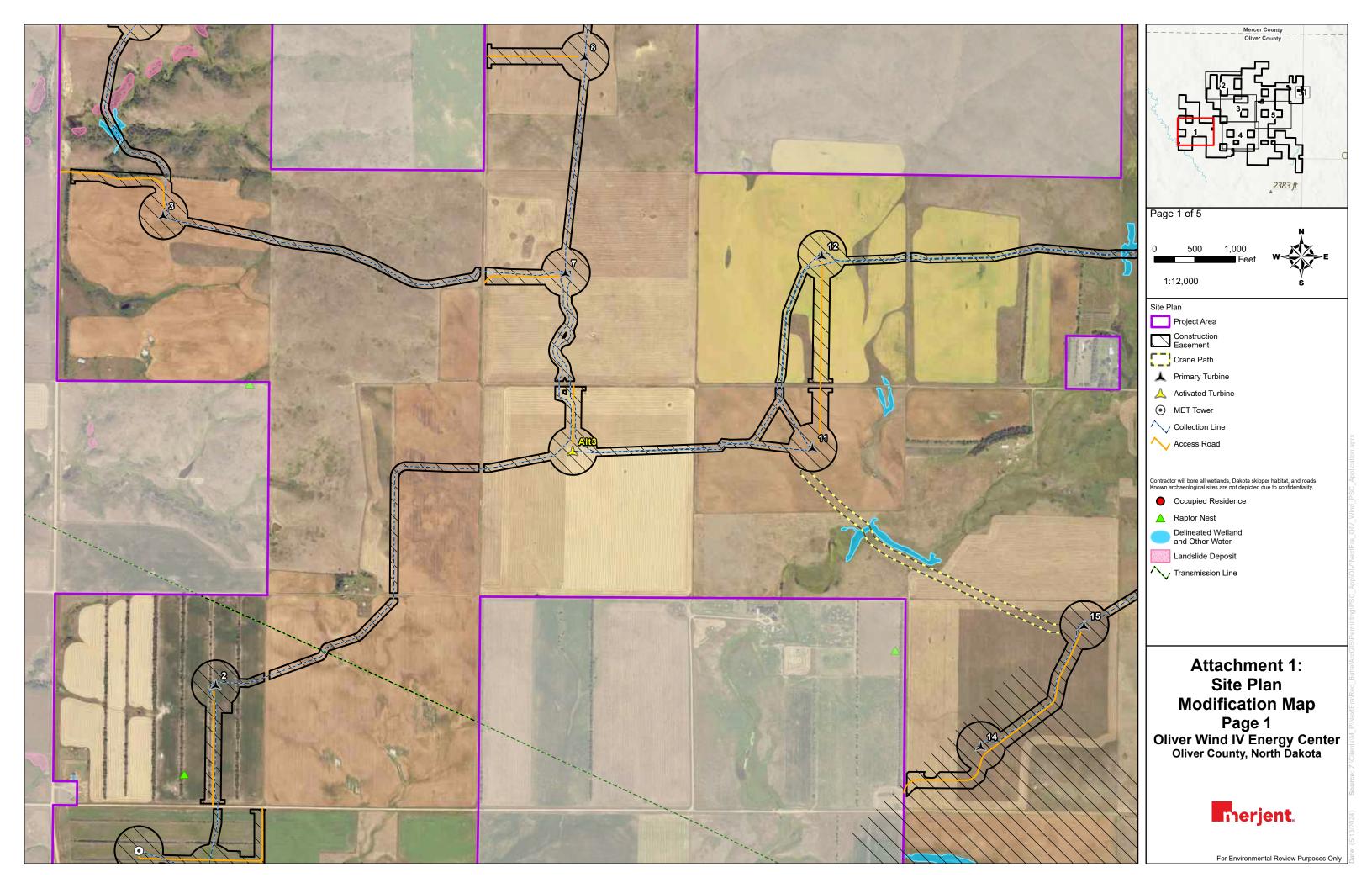
Conclusion

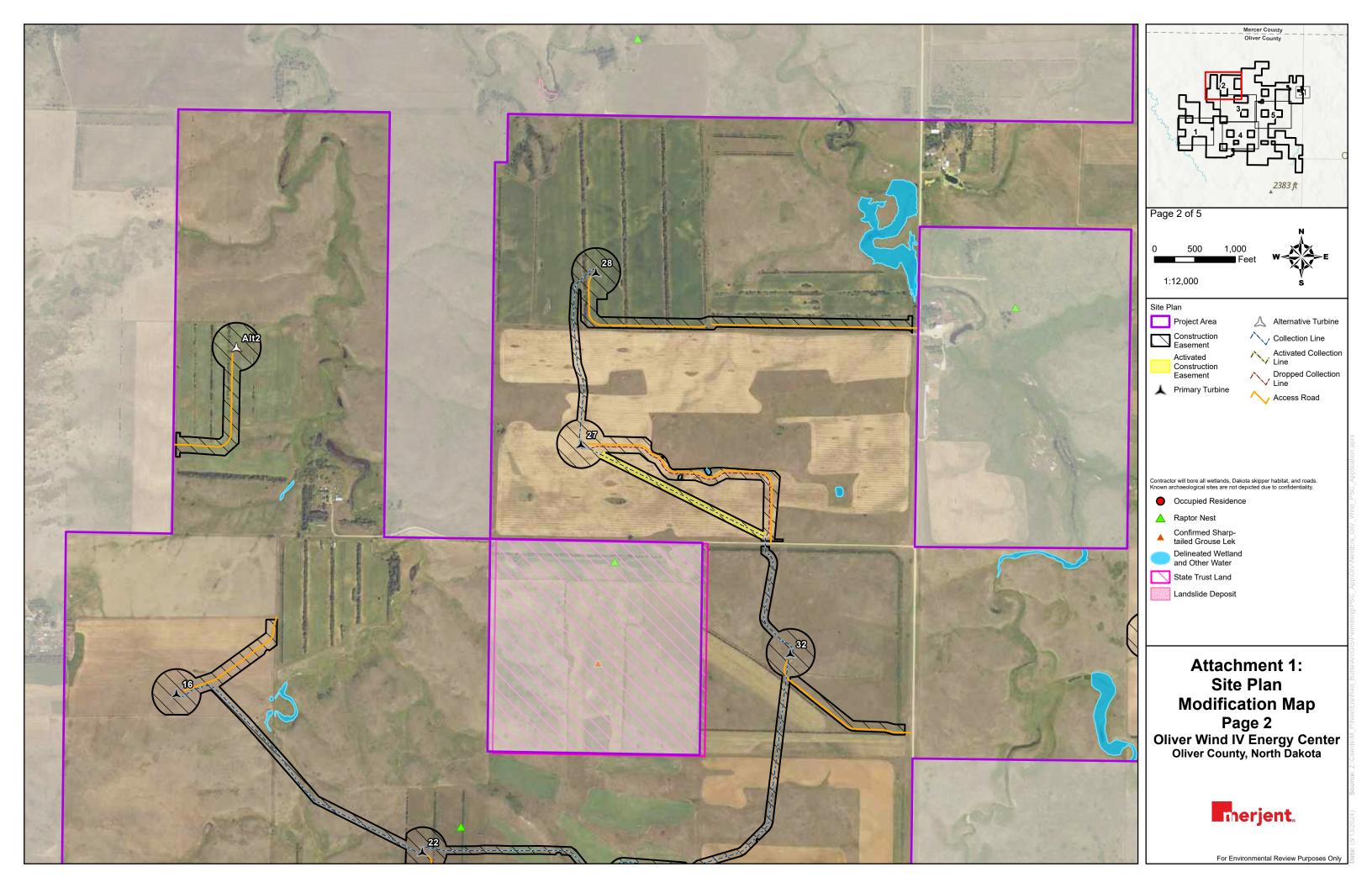
The Project Site Plan modifications comply with the Commission's Exclusion, Avoidance, Selection, and Policy Criteria and are consistent with the Project's Findings of Fact, Conclusions of Law and Order.

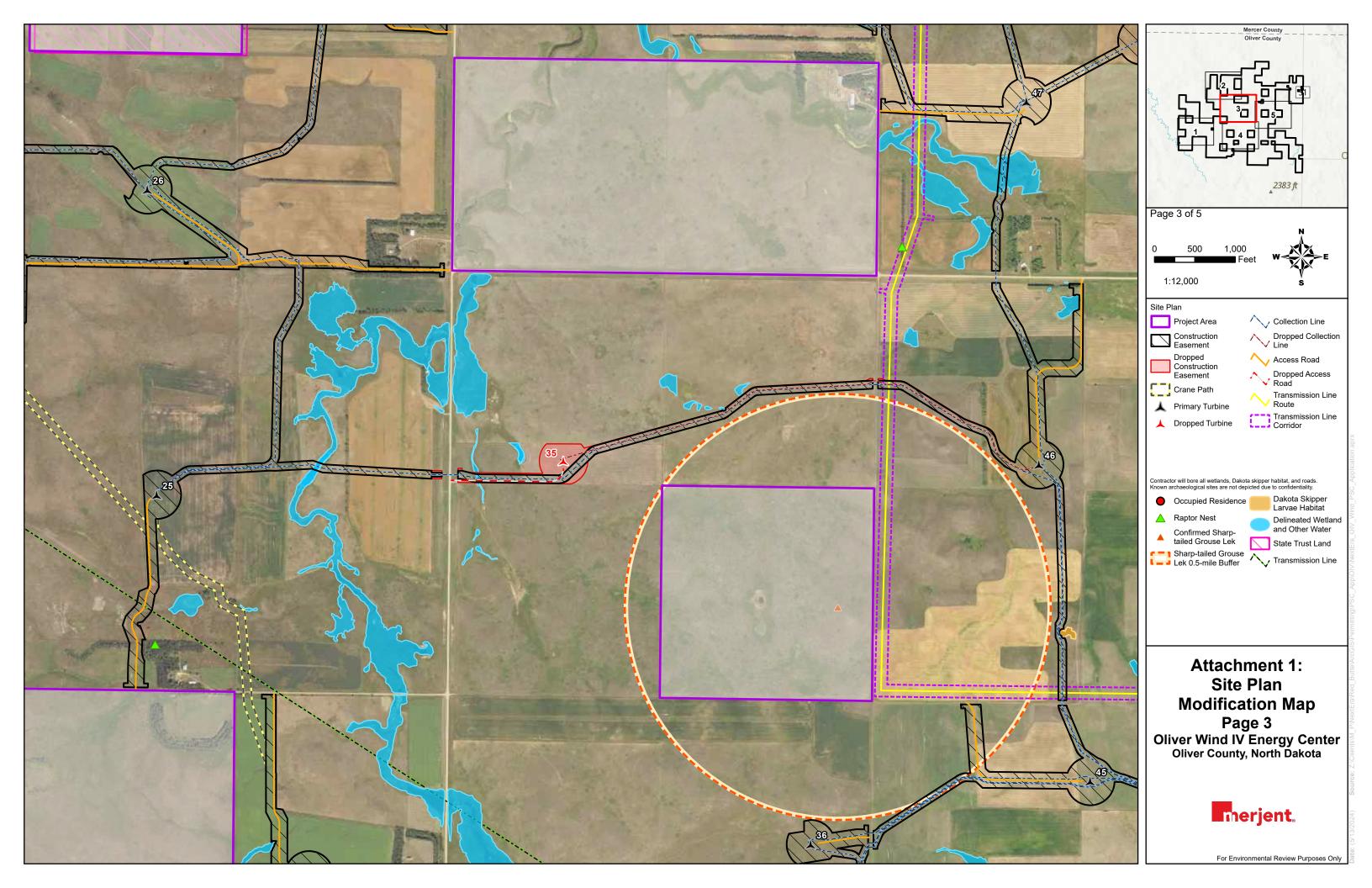
Attachments:

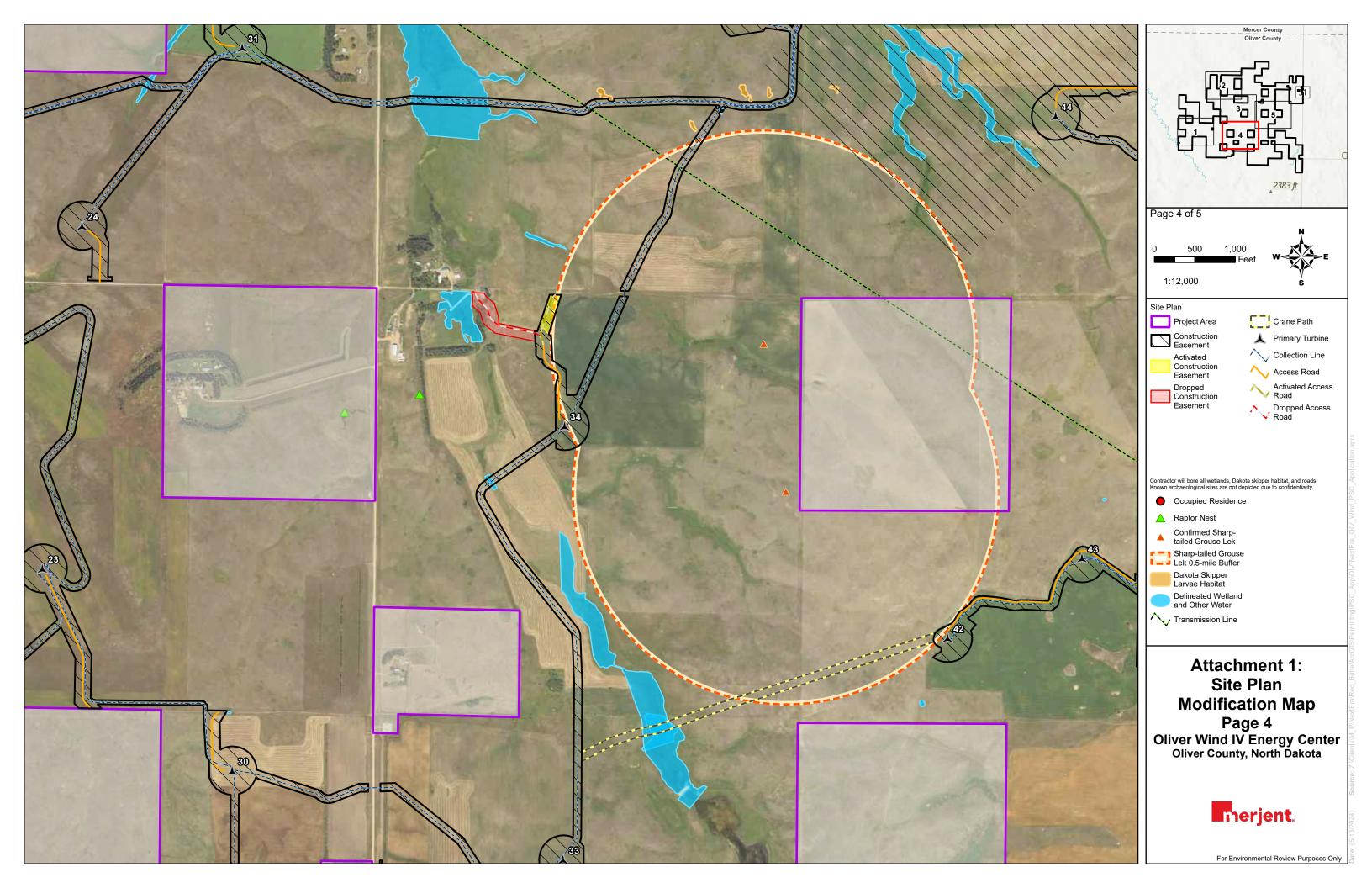
- 1. Site Plan Modification Map
- 2. Shadow Flicker and Acoustic Assessment Results
- 3. North Dakota State Historic Preservation Office Concurrence
- 4. Electronic Submittal of GIS Shapefiles

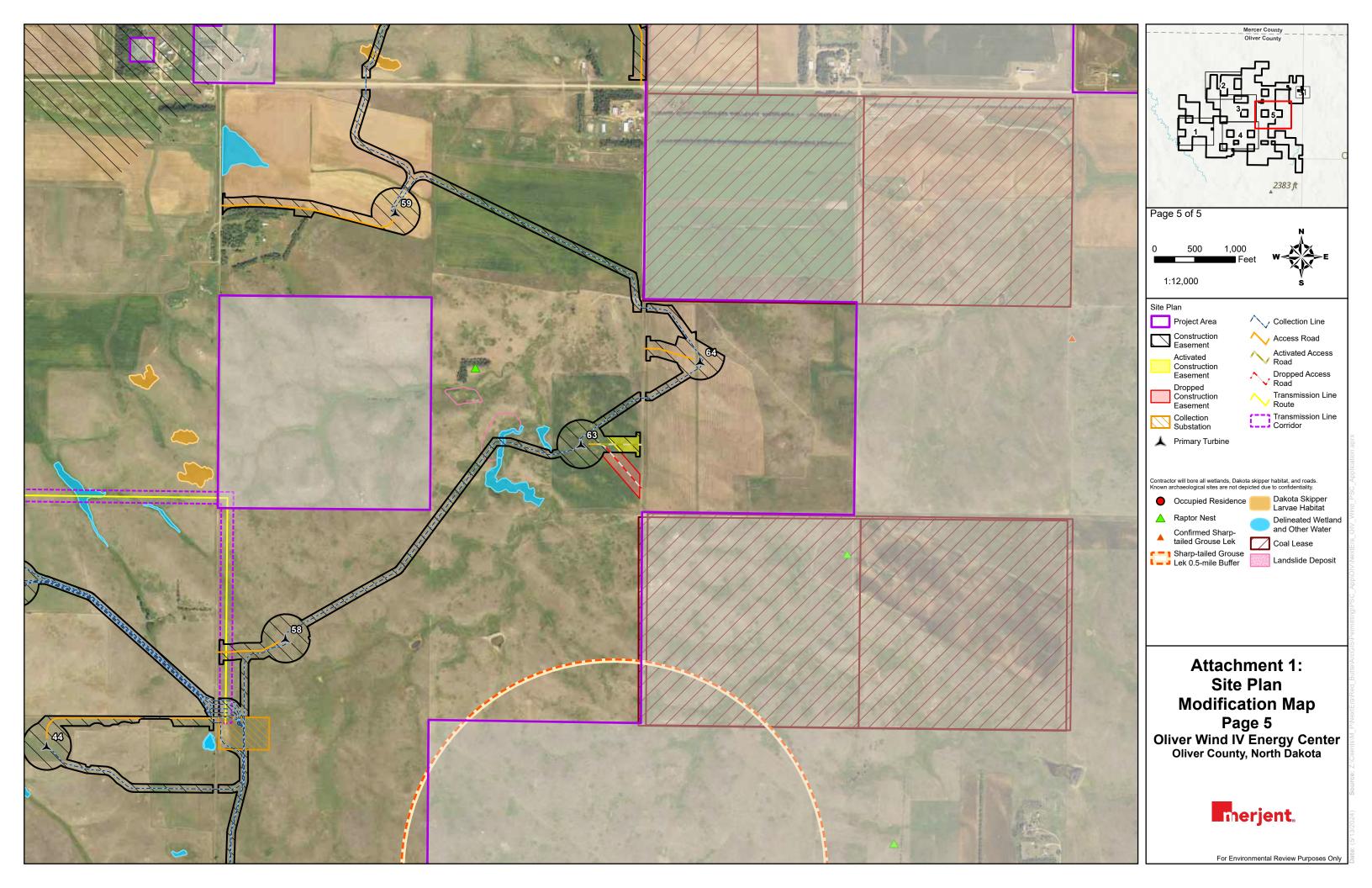
Attachment 1 Site Plan Modification Map











Attachment 2 Shadow Flicker and Acoustic Assessment Results

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

	Predicted Shadow	Predicted Sound	Nearest WTG	
Receptor ID	Flicker Hours per Year ¹	Level (dBA) ^{2,3}	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	41	70	2,942
R035	15	42	70	2,639
R096	22	45	30	2,069
R098	12	45	52	2,350
R100	11	45	43	2,290
R102	4	43	66	3,579
R103	20	44	57	2,556
R104	25	43	57	2,728
R105	14	44	34	2,363
R106	1	44	24	2,432
R107	7	44	24	2,601
R112	10	44	11	2,153
R114	24	45	47	1,940
R116	16	44	48	2,756
R117	10	44	60	2,787
R118	8	44	60	2,801
R120	14	44	65	2,679
R121	7	41	65	3,950
R122	4	41	64	3,899
R123	9	42	72	2,600
R125	0	37	68	5,158
R126	0	36	68	5,027
R139	0	33	40	6,718
R142	4	45	25	2,259
R143 ⁵	9	43	26	3,117
R144	8	45	Alt2	2,177
R147	15	45	16	1,973
R157	12	44	34	2,183
R158	24	45	47	1,969
R159	5	44	38	3,443
U124	3	42	68	3,043

Values presented herein reflect the "With Alternates" data contained within Application Appendix B3.
 Values presented herein reflect the "With Alternates" data contained within Application Appendix B2.
 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 agreement pending.

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

	Predicted Shadow	Predicted Sound	Nearest WTG	
Receptor ID	Flicker Hours per Year ¹	Level (dBA) ^{2,3}	ID	Distance (ft) ⁴
R016	3	36	71	3,966
R110	0	36	13	5,783
R113	11	44	19	2,644
R119	26	44	60	2,113
R129	0	34	61	5,213
R130	0	34	61	4,965
R131	0	34	61	5,092

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

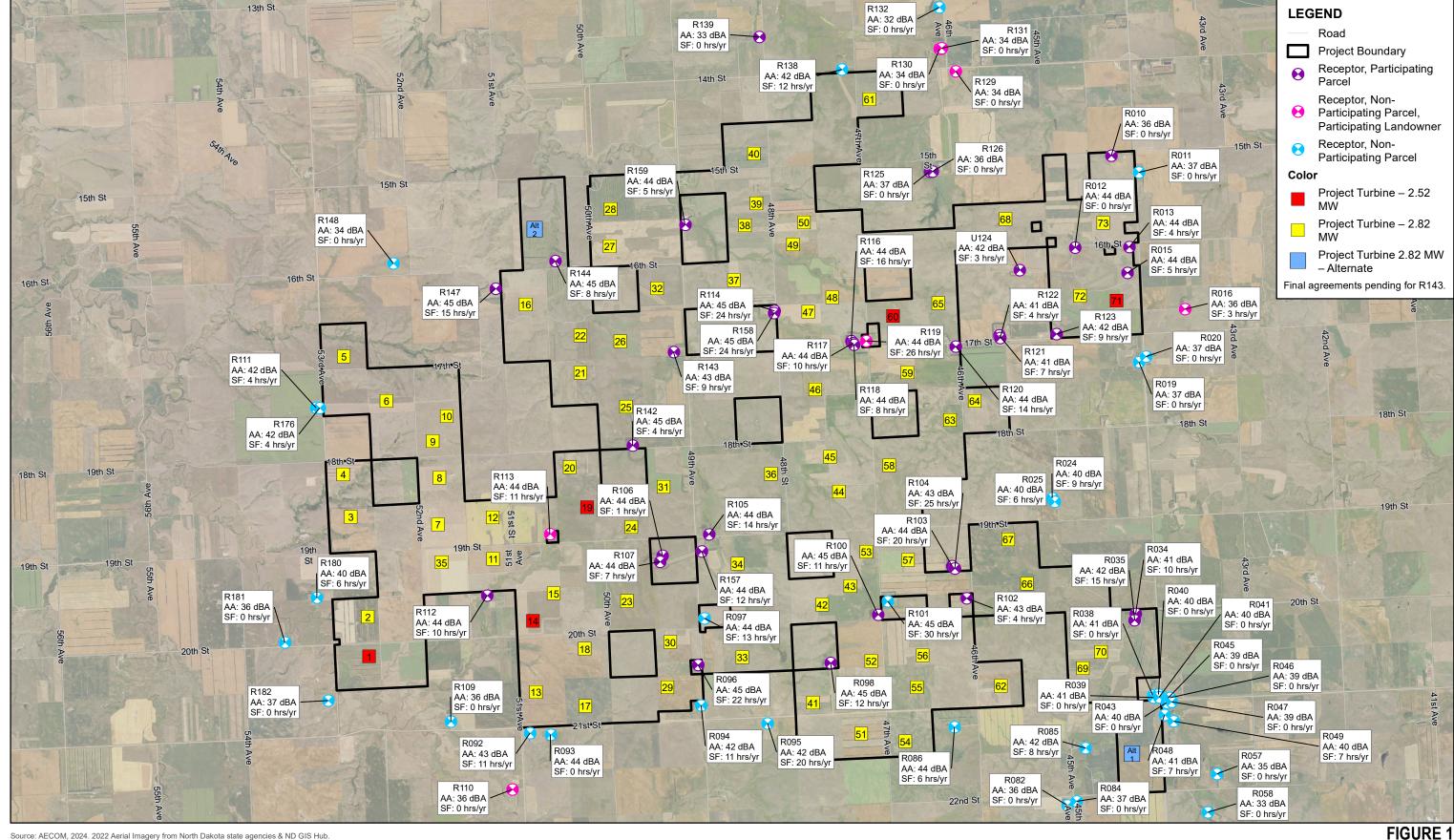
Table 3. Oliver Wind IV Energy Center - Shadow Flicker and Acoustic Assessment Results -**Non-Participating Landowners**

	Predicted Shadow	Predicted Sound	Nearest WTG	
Receptor ID	Flicker Hours per Year ¹	Level (dBA) ^{2,3}	ID	Distance (ft)4
R011 ⁵	0	37	73	3,571
R019	0	37	71	3,758
R020	0	37	71	3,643
R024	9	40	67	3,468
R025	6	40	67	3,437
R038	0	41	Alt1	3,575
R039	0	41	Alt1	3,482
R040	0	40	Alt1	3,753
R041	0	40	Alt1	3,618
R043	0	40	Alt1	3,565
R045	0	39	Alt1	3,825
R046	0	39	Alt1	3,898
R047	0	39	Alt1	3,768
R048 ⁵	7	41	Alt1	2,927
R049 ⁵	7	40	Alt1	3,058
R057	0	35	Alt1	5,033
R058	0	33	Alt1	5,510
R082	0	36	Alt1	4,755
R084	0	37	Alt1	4,196
R085 ⁵	8	42	Alt1	2,707
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
R101	30	45	43	2,337
R109	0	36	13	5,196
R111	4	42	5	3,357
R132	0	32	61	6,638
R138	12	42	61	2,345
R148	0	34	5	6,071
R176	4	42	5	3,282
R180	6	40	2	3,139
R181	0	36	1	4,929
R182	0	37	1	3,475

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

Scale: 1:63,360

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 Miles

1 in = 1 miles

PROJECT OVERVIEW - RECEPTOR DETAIL

AECOM

OLIVER WIND IV ENERGY CENTER

Attachment 3 North Dakota State Historic Preservation Office Concurrence



May 28, 2024

Melinda McCarthy
Burns and McDonnell Engineering Company
3255 Greensboro Drive
Suite 104
Bismarck, ND 58503

SHSND Ref: 23-0203 Oliver Wind IV Energy Center and Transmission Line, PU-23-317 and PU-23-318 in portions of 168 sections in Mercer and Oliver Counties, North Dakota

Dear Melinda,

We received the revised report for SHSND Ref: 23-0203 titled "Oliver IV Wind Energy Center & Transmission Line Exhibit B Addendum: A Class III Cultural Resource Inventory in Mercer and Oliver Counties, North Dakota" and find this Burns and McDonnell Engineering Company report by Christina M. Huling acceptable. We will add it to our Manuscript Collection.

Thank you for the opportunity to review this report. Please be advised that acceptance of this report does not constitute concurrence with the determinations therein. If you have any questions, please contact either Margie Patton, Research Archeologist, at (701) 328-3576 or mmpatton@nd.gov or Lorna Meidinger, Lead Historic Preservation Specialist, at (701) 328-2089 or lorger@nd.gov.

Sincerely,

for William D. Peterson, PhD

Director, State Historical Society of North Dakota

Attachment 4 Electronic Submittal of GIS Shapefiles

[Submitted electronically]