

Hamre, John G.

From: Lein, Jerry R.
Sent: Thursday, September 10, 2015 8:49 AM
To: Sederquist, Dave
Cc: Hamre, John G.
Subject: FW: Courtenay Wind Project Micro-Siting Adjustments
Attachments: Courtenay Micro-Siting (complete).pdf

Dave –

Please consider this email as staff approval of the Courtenay site plan adjustments as described in the attachment and requested below.

Please let me know if you need anything further.

Thanks.

Jerry Lein
701 328-1035

From: Sederquist, Dave [<mailto:dave.sederquist@xcelenergy.com>]
Sent: Friday, September 04, 2015 11:26 AM
To: Lein, Jerry R.
Cc: Morrison, Bradley; Jay L. Hesse
Subject: Courtenay Wind Project Micro-Siting Adjustments

Hello Jerry,

In accordance with your directives from our meeting yesterday (Sept. 3), I've attached here the map and list of adjustments which detail the proposed refinements that resulted from Xcel Energy's "micro-siting" efforts now that we've assumed construction responsibilities for the Courtenay project. As we discussed, these adjustments have all been reviewed and approved by the affected landowners and Stutsman Co. officials.

The proposed refinements will benefit landowners with enhanced "farmability" and reduced impacts on nearby wetlands and natural drainage. They will also hold down the costs of construction and, ultimately, reduce long term operating and maintenance expenses and increase turbine efficiency. This, of course, helps to keep customer rates low.

Xcel Energy has been working closely with landowners and construction and engineering personnel throughout this process, and care has been taken to comply with the relevant environmental and permitting requirements.

Thanks for your review and assistance as we move ahead on this exciting project!

David H Sederquist

Sr. Regulatory & Financial Consultant

Xcel Energy - North Dakota

2302 Great N. Drive, Fargo, ND 58102

P: 701-371-5256 C: 701-371-5256 F: 701-241-8682

E: dave.sederquist@xcelenergy.com

32 **PU-15-174** Filed: 9/10/2015 Pages: 4
Email - staff approval of site plan adjustment request

Public Service Commission Staff

Jerry Lein

veral elect

73

PU-13-64 Filed: 9/10/2015 Pages: 4
Email - staff approval of site plan adjustment request











Public Service Commission Staff

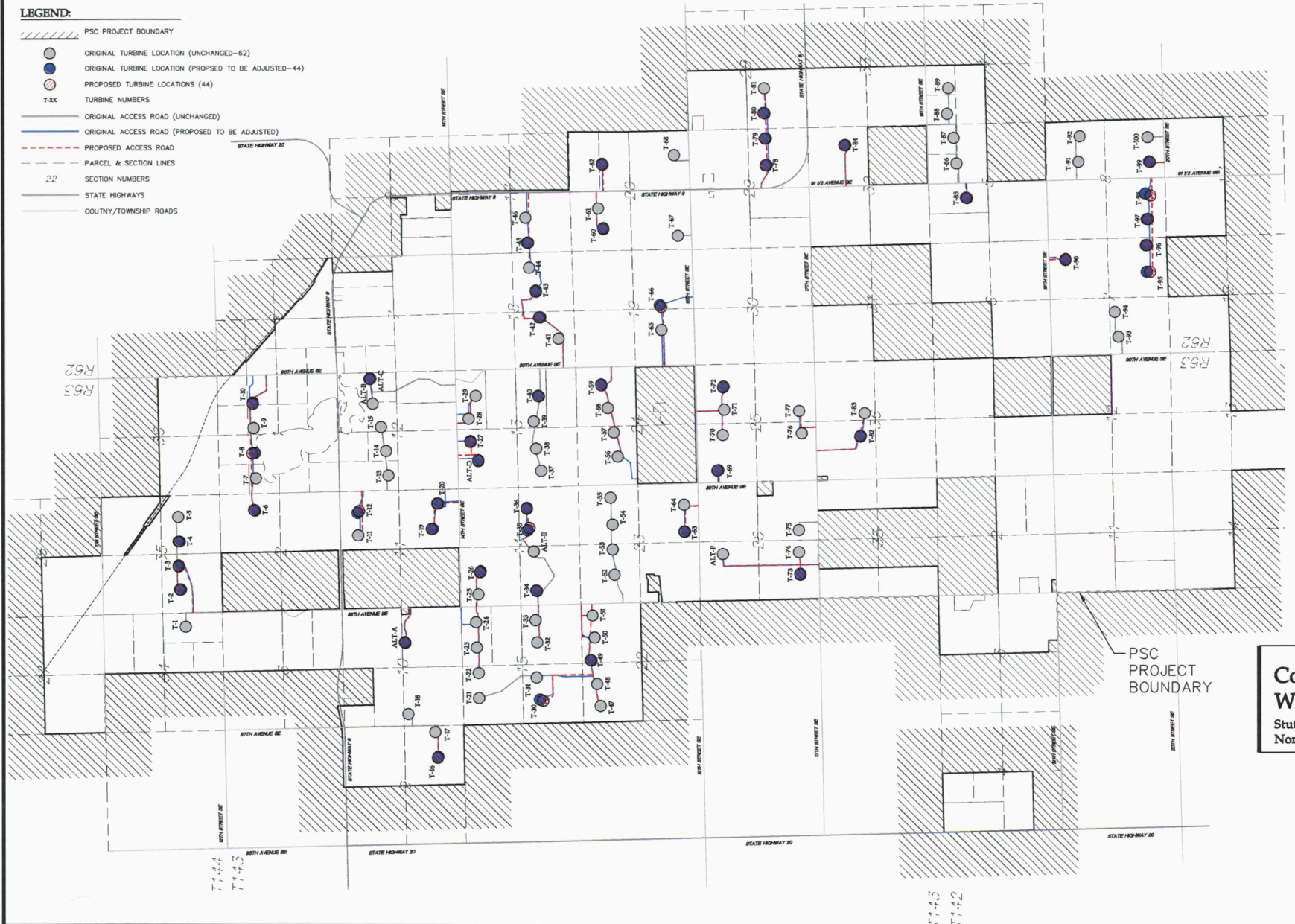
Jerry Lein

Confidentiality Notice: This e-mail message is subject to attorney/client privileges, and any attached files are for the sole use of intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, distribution, or copying is prohibited. If you are not the intended recipient(s), please contact the sender by replying to this e-mail and destroy/delete all copies of this e-mail message.

This transmission, email and any files transmitted with it, may be: (1) subject to the Attorney-Client Privilege, (2) an attorney work product, or (3) strictly confidential under federal or state law. If you are not the intended recipient of this message, you may not use, disclose, print, copy or disseminate this information. If you have received this transmission in error, notify the sender (only) and delete the message. This message may also be subject to disclosure under the North Dakota Open Records Laws.

LEGEND:

-  PSC PROJECT BOUNDARY
-  ORIGINAL TURBINE LOCATION (UNCHANGED-62)
-  ORIGINAL TURBINE LOCATION (PROPOSED TO BE ADJUSTED-24)
-  PROPOSED TURBINE LOCATIONS (44)
- T-XX TURBINE NUMBERS
-  ORIGINAL ACCESS ROAD (UNCHANGED)
-  ORIGINAL ACCESS ROAD (PROPOSED TO BE ADJUSTED)
-  PROPOSED ACCESS ROAD
-  PARCEL & SECTION LINES
- 22 SECTION NUMBERS
-  STATE HIGHWAYS
-  COUNTY/TOWNSHIP ROADS



Designed:	KLM
Checked:	BSC
Drawn:	KLM
Record Drawing by/date:	
Revisions:	
1	08/04/15 COMBINED REVISIONS

Prepared for:

 250 Marquette Ave
 Minneapolis, MN 55401



Courtenay Wind Project
 Stutsman County,
 North Dakota

PSC and Current Turbine Locations Exhibit

Figure 2

NOT FOR CONSTRUCTION

Courtenay Wind Project
Summary of Proposed Micro-Siting Adjustments

(All adjustments have been reviewed and approved by landowners and Stutsman Co. Commission)

	Original Turbine #	Revised Turbine #	Proposed Move (Ft, Direction)		Reason(s) for Turbine Adjustment ¹
1	T-4	T-99	49	SW	Wetlands
2	T-6	T-97	49	S	Wetlands; Grade
3	T-7	T-98	239	SW	Wetlands; Grade; Access
4	T-8	T-95	149	S	Grade; Access
5	T-9	T-96	49	S	Grade; Access
6	T-19	T-26	49	NW	Wetlands
7	T-20	T-90	42	E	Wetlands; Grade
8	T-27	T-49	48	NE	Wetlands
9	T-29	T-85	50	NE	Wetlands; Grade
10	T-35	T-82	48	SE	Wetlands
11	T-40	T-84	48	N	Wetlands; Elevation
12	T-48	T-73	40	E	Wetlands
13	T-50	T-78	49	S	Access
14	T-51	T-79	49	S	Access
15	T-52	T-80	48	N	Wetlands; Grade; Access
16	T-59	T-72	39	SE	Wetlands; Elevation
17	T-62	T-69	47	SE	Wetlands; Elevation
18	T-67	T-63	31	S	Wetlands; Grade
19	T-71	T-66	96	SW	Wetlands
20	T-79	T-60	47	E	Wetlands
21	T-80	T-62	46	SW	Wetlands; Grade
22	T-81	T-59	43	W	Wetlands
23	T-88	T-42	48	N	Wetlands
24	T-90	T-43	50	E	Wetlands
25	T-91	T-40	38	SW	Wetlands; Grade
26	T-93	T-30	150	SW	Grade; Elevation
27	T-99	T-45	49	S	Wetlands
28	T-100	T-34	41	SW	Wetlands
29	T-103	T-35	127	SE	Wetlands; Elevation
30	T-104	T-36	41	W	Grade
31	T-112	T-27	49	W	Grade; Access
32	T-114	T-20	48	S	Wetlands
33	T-115	T-16	47	NW	Grade
34	T-116	T-19	46	N	Wetlands
35	T-126	T-12	100	SE	Grade
36	T-131	T-8	100	N	Wetlands; Grade
37	T-133	T-6	48	NE	Grade
38	T-134	T-10	50	W	Grade; Elevation
39	T-137	T-4	49	S	Grade; Access
40	T-139	T-3	50	W	Grade; Access
41	T-140	T-2	48	S	Wetlands; Elevation
42	ALT-105	ALT-D	48	E	Wetlands
43	ALT-119	ALT-A	40	NE	Wetlands
44	ALT-124	ALT-C	48	S	Wetlands; Elevation

¹ Reason Descriptions:

- Wetlands - reduce construction complications, costs, and potential delays; minimize temporary construction impacts to area wetlands.
- Grade - minimize complications of construction, facility operation, and agricultural use (farmability) by moving to a location that is more level.
- Elevation - guard against rising water and increase turbine efficiency by optimizing the elevation of the site.
- Access - facilitate construction, operations, and maintenance; improve farmability through access road and spacing improvements.