



November 1, 2018

Jerry Lein
North Dakota Public Service Commission
600 East Boulevard Avenue, Dept. 408
Bismarck, ND 58505-0480

RE: Reclamation Inspection
PU-15-482, Lindahl Wind Farm

Dear Mr. Lein:

Carlson McCain, Inc. (CMI) conducted a reclamation inspection at the Lindahl Wind Farm Project (Case No. PU-15-482) on October 16, 2018, on behalf of the North Dakota Public Service Commission (PSC). CMI Inspector, Todd Hartleben met Jordan Huston, Enel Green Power (Enel) Site Supervisor at the facility office in Tioga, ND. The facility was visually inspected for reclamation success and the attached Figure depicts the location(s) of photographs taken during the inspections.

The facility has been operating since late summer of 2017. Initial reclamation of the facility was completed in the fall of 2017 with some areas being re-worked in the spring of 2018, and some areas needing further work through 2018. Overall, reclamation is largely complete. It was noted that the following items will need further attention however:

- Laydown yard. The laydown yard was cultivated and seeded in 2018; however, the landowner report poor crop growth and yield across this area. It was determined that the laydown yard did not receive adequate decompaction during reclamation. Enel is planning to strip the topsoil that was placed across the laydown yard, decompact the subsoil, and then re-spread the topsoil.
- Collector line(s) and disturbed areas on State School Trust property. During inspection of reclaimed areas on State School Trust property in the NW ¼ of Section 36, T159N, R94W, it was determined that a different seed mix than that prescribed by the North Dakota State Land Department was used for reclamation. Enel will prescribe burn the area(s) that were seeded in spring 2019 and re-seed with a seed mix approved by the State Land Department. Enel is coordinating with the State Land Department.
- Pembina Pipeline road crossing(s). There are two locations near Turbines B4 and B3 where the access road crosses a high-pressure gas line owned and operated by Pembina Pipeline. Pembina Pipeline has requested that concrete structures be placed at these locations to distribute the weight of equipment passing over the pipeline. At the time of this inspection, the concrete structures were in place but earthwork around the structures had not been completed. Enel will complete the earthwork this fall and re-seed as necessary in 2019.

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- Tree survival. Trees plantings at four locations were visited during the reclamation inspection. Survival of the plantings appeared to be of mixed success. At one location (adjacent to the substation) the landowner cultivated through the tree planting. Continued monitoring of tree survival is recommended.

On-going maintenance of access roads is anticipated but normal. Turing radiuses at the intersection(s) of County Road 21 and 77th St. NW and Country Road 21 and 76th St. NW were left in place at the request of the county.

Please contact me at 701-595-7001 if you have any questions or require additional information.

Respectfully submitted,

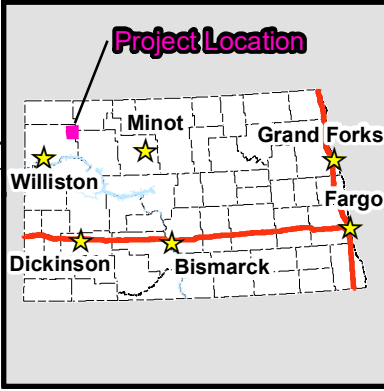
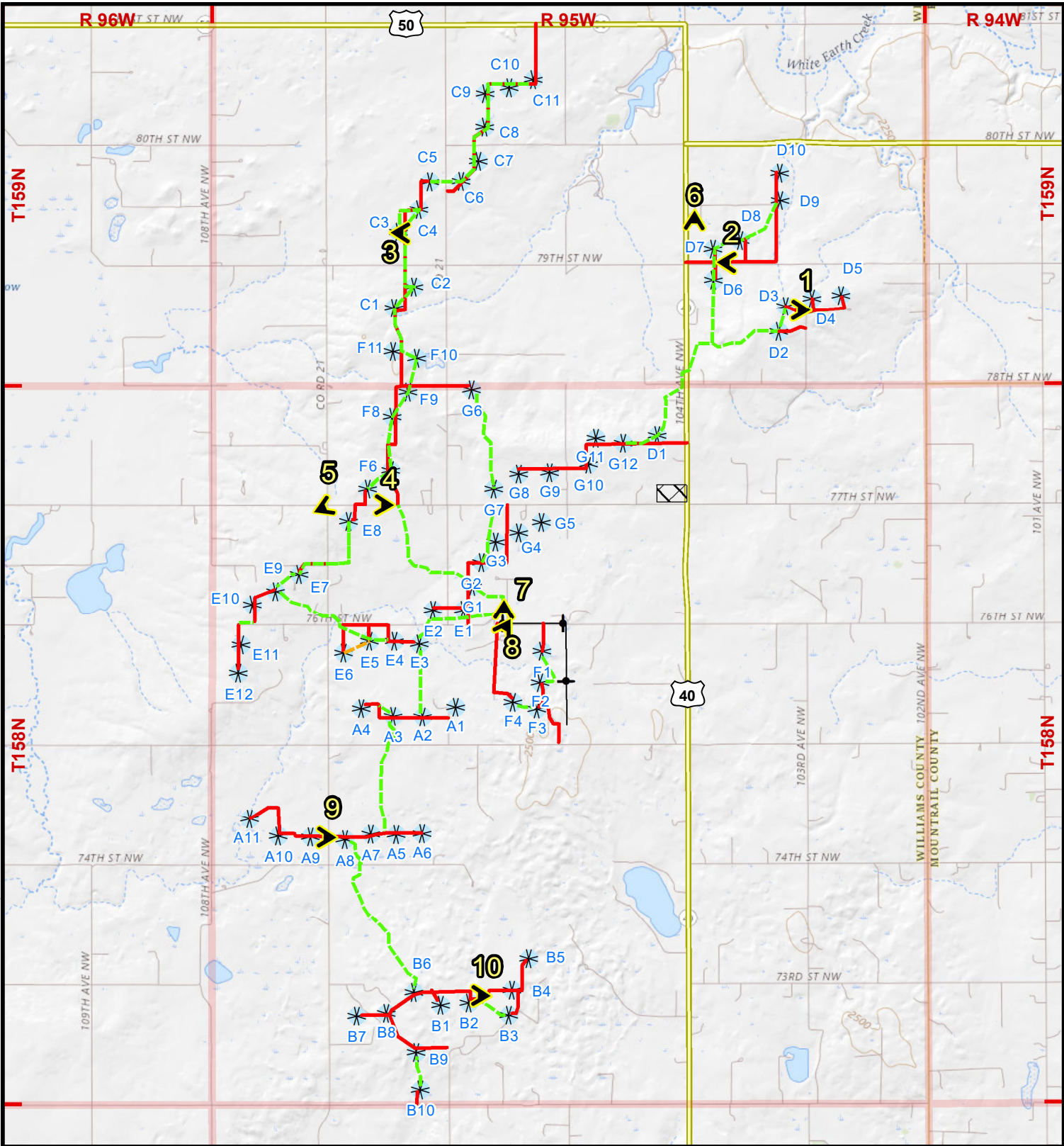


Todd Hartleben
Principal Engineer

cc: Jordan Huston, Enel Green Power North America, Inc

Attachment

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November 2018



Legend

- Photo Location
- Wind Turbine
- Township Line
- Overhead Transmission Line
- Access Road
- Primary Underground Collection
- Alternate Underground Collection
- Laydown Yard

North Arrow

**Photo Locations
Reclamation Inspection
Lindahl Wind Project
ND Public Service Commission**

0 3,000 6,000 Feet

1:72,000

Basemap: USGS/TOPO

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600 South 2nd Street, Suite 105, Bismarck, North Dakota 58504
www.carlsonmccain.com



Photo 1. Photo taken facing east toward Turbine D4 along collector line on State School Trust property. The difference in vegetation marks where re-seeding with a native seed mix will occur in 2019.



Photo 2. Photo of revetment mat at low water crossing on access road near Turbine D7 (looking west).



Photo 3. Photo taken looking west towards Turbine C3.



Photo 4. Photo of tree planting facing east along 77th St. NW. Continued monitoring of tree survival is recommended.



Photo 5. Photo of County Road 21 and 77th St. NW intersection (facing southwest). Widened turning radius was left in place at request of the County.



Photo 6. Photo of tree planting at landowner's residence (facing north).



Photo 7. Photo of tree planting at substation (facing north). The landowner cultivated through the tree planting.



Photo 8. Photo of substation (facing northeast).



Photo 9. Photo taken facing east along access road to Turbine A8.



Photo 10. Photo of high-pressure gas line crossing near Turbine B4 (facing northeast).

Project LINDALE WIND FARMProject No. G1041

JORDAN HUSTON - SITE SUPERVISOR 507-325-4073

- RECLAMATION COMPLETED FALL 2017
- COLLECTOR LINE + DISTURBED AREAS ON STATE SCHOOL (36, 15N/4W) RESEEDED W/ NON-NATIVE MIX (INSPECTED BY STATE LAND DEPT). WILL PRESCRIBE BURN AND RESEED IN SPRING 2019
- LAYDOWN YARD NOT SUCCESSFULLY RECLAIMED. WILL STRIP TOPSOIL, DECOMPACT, AND RESPREAD TOPSOIL, COORDINATING W/ LANDOWNER
- INTERSECTIONS @ ~~HWY~~ HWY 21 W/ 77TH ST + 76TH ST LEFT IN PLACE @ REQUEST OF COUNTY
- TREES @ SUBSTATION CULTIVATED BY LANDOWNER
- TREES @ LANDOWNER ALONG HWY 40 IN GOOD SHAPE
- TREES ALONG 76TH ST CONTINUE MONITORING
- CONCRETE STRUCTURES ALONG B LINE ACCESS ROAD PLACED AT REQUEST OF PEMBINA PIPELINE. DISTURBED AREAS NEED TO BE RECLAIMED

Signature



Date

10/16/18

Lino Lakes, MN
763-489-7900Maple Plain, MN
952-346-3900Bismarck, ND
701-255-1475Watford City, ND
701-202-5147