

Meadowlark Wind I LLC
New Frontier Wind Energy Project – McHenry County
December 2018 Construction Summary
Case No. PU-11-69
Emailed: January 14, 2019

Project Address:
New Frontier Wind Energy Project
3096 Hwy 41 Ruso, ND 58778

December 2018 Construction Summary

Project Status

The project entered commercial operation on December 21, 2018, therefore, this is the last construction summary for the Project. Meadowlark Wind will resume restoration efforts in the spring; restoration and maintenance activities will comply with the May 10, 2017 Order of Continuing Suitability.

HS&E

There were no OSHA recordable safety incidents on the project in December. Crews continue to receive trade specific health, safety and environmental training. Relevant environmental, health, and safety topics are discussed during weekly “all hands” meetings. All new employees working onsite receive an environmental overview of the project area during the orientation process. The Project Safety Committee continued to meet every other week.

Civil

Civil crews halted reclamation activities due to freezing conditions. Reclamation will resume in the spring.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Strip String Roads	12.32	12.32	MI	100%
Subgrade	12.32	12.32	MI	100%
Gravel String Roads	12.32	12.32	MI	100%
County/Township Improvement	0.18	3.10	MI	6%
Grade Turbine Site	29	29	EA	100%
Excavations	29	29	EA	100%
Backfill	29	29	EA	100%
Crane Pad	29	29	EA	100%
Culvert	2,470	4,740	LF	52%
Silt Fence	19,972	34,000	LF	59%
Reclaim Road Shoulders	13,463	65,049	LF	21%
Reclaim Turbine Sites	6	29	EA	21%
Place Gravel Cap	1.99	12.31	MI	16%

Foundations

Foundation activities were previously completed.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Rebar Deliveries	29	29	EA	100%

Seal Slab	29	29	EA	100%
Bottom Mat Rebar	29	29	EA	100%
Bolt Cages	29	29	EA	100%
Vestas Grounding	29	29	EA	100%
Top Mat Rebar	29	29	EA	100%
Base Form	29	29	EA	100%
Base Pour	29	29	EA	100%
Conduit	29	29	EA	100%
Pedestal Form	29	29	EA	100%
Pedestal Pour	29	29	EA	100%

Transmission Line

Transmission Line was energized in October 25th.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Offload Poles	214	214	EA	100%
Anchors	72	72	EA	100%
Guying	72	72	EA	100%
Framing Structures	214	214	EA	100%
Drill Hole	214	214	EA	100%
Set Pole	214	214	EA	100%
Pole Grounding – Ground Rods	214	214	EA	100%
String Conductor	16.0	16.0	MI	100%
Clip Conductor	585	585	EA	100%
OPGW	6	6	EA	100%

Underground Collection

Collections were previously completed.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Bore Install	10	10	EA	100%
Trench & Cable Install - 1250	14,767	14,767	LF	100%
Trench & Cable Install - 1000	12,562	12,562	LF	100%
Trench & Cable Install - 750	16,348	16,348	LF	100%
Trench & Cable Install - 500	29,844	29,844	LF	100%

Trench & Cable Install – 4/0	9,627	9,627	LF	100%
Trench & Cable Install – 1/0	18,189	18,189	LF	100%
Feeder 1 Cable Installed	24,553	24,553	LF	100%
Feeder 2 Cable Installed	29,169	29,169	LF	100%
Feeder 3 Cable Installed	29,642	29,642	LF	100%
Feeder 4 Cable Installed	15,212	15,212	LF	100%

Substation

Substation was energized in October.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Pier Foundation	35	35	EA	100%
Flatwork Foundation	7	7	EA	100%
MPT Foundation	3	3	EA	100%
Ground Grid Install	100	100	%	100%
Conduit Install	100	100	%	100%
Steel Install	100	100	%	100%
Equipment Install	100	100	%	100%
Switch Install	100	100	%	100%

Install

Crews finished erecting turbines.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Set Switchgear	29	29	EA	100%
Offload Drivetrain	29	29	EA	100%
Offload Base	29	29	EA	100%
Offload Lower Mid	29	29	EA	100%
Offload Upper Mid	29	29	EA	100%
Offload Top	29	29	EA	100%
Offload Nacelle	29	29	EA	100%
Offload Hub	29	29	EA	100%
Offload Blades	29	29	EA	100%
Set Base	29	29	EA	100%
Set Lower Mid	29	29	EA	100%
Set Upper Mid	29	29	EA	100%
Set Top	29	29	EA	100%

Set Nacelle	29	29	EA	100%
Set Blades	29	29	EA	100%
Grout Base	29	29	EA	100%
Tension Anchor Bolts	29	29	EA	100%

SWPPP

Bi-weekly SWPPP inspections are taking place onsite as appropriate, given weather conditions. Maintenance is conducted as needed.

Spill Prevention

A fuel containment facility is used in the laydown yard which contains all diesel, gasoline, used oil, DEF, and other materials. Spill kits are available in the facility. There is a contaminated soils barrel located in the fuel farm, all contaminated materials and soils will be disposed of properly. There have been no spills to date.

Wetlands

Meadowlark’s environmental consultant continued checking on the staking of wetland areas throughout the project site to accommodate crane movement. Erosion controls are installed as needed around wetlands.

Wildlife

All work continued to be done in compliance with project requirements.