

Meadowlark Wind I LLC
New Frontier Wind Energy Project – McHenry County
October 2018 Construction Summary
Case No. PU-11-69
Emailed November 13, 2018

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

October 2018 Construction Summary

HS&E

There was an OSHA recordable safety incident on the project in October. The employee received stitches and was back at work the same day. Steps have been taken to prevent recurrence. This was the first recordable incident. 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 continues to meet every other week.

Civil

During the month of October Civil crews started reclamation activities.

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 completed in August.

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 on 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

Collection cable riser terminations at the substation were completed last month.

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 crew completed the installation of equipment and conduit.

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 continued erecting turbines.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Set Switchgear	27	29	EA	93%
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	28	29	EA	97%
Offload Hub	28	29	EA	97%
Offload Blades	29	29	EA	100%
Set Base	27	29	EA	93%
Set Lower Mid	25	29	EA	86%
Set Upper Mid	16	29	EA	55%
Set Top	16	29	EA	55%
Set Nacelle	16	29	EA	55%
Set Blades	15	29	EA	51%
Grout Base	18	29	EA	62%
Tension Anchor Bolts	17	29	EA	58%

SWPPP

Bi-weekly SWPPP inspections are taking place onsite. Post rain inspections are taking place after significant rain events of 0.25" or more. Monitoring was conducted during the weekly inspections to ensure there is no evidence of water or sediment creating dikes within or running off the project boundaries. Maintenance is conducted as needed.

Spill Prevention

A fuel containment facility is being 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. Erosion controls are installed as needed around wetlands.

Wildlife

There has been no follow-up from the U.S. Fish and Wildlife Service (USFWS) regarding their investigation and findings related to the Dakota skipper habitat. Temporary restoration was completed and will be finalized next spring. All work continues to be done in compliance with project requirements.

Project Inspection

Mr. Todd Hartleben, Principal Engineer with Carlson McCain, Inc. (CMI), conducted a construction inspection at the project site on October 12, 2018, on behalf of the North Dakota Public Service Commission (PSC). His report was submitted to the PSC on October 31, 2018. He met with site personnel from Capital Power and Blattner Energy. Based on his site visit he concluded that construction of the New Frontier Wind Energy project appears to be progressing in accordance with the permit documents and filings to date. He indicated that he would be back to the site next spring to inspect ongoing restoration progress.