

**Meadowlark Wind I LLC
New Frontier Wind Energy Project – McHenry County
August 2018 Construction Summary
Case No. PU-11-69
Emailed September 18, 2018**

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

August 2018 Construction Summary

HS&E

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

Civil

During the month of August, Civil crews completed stripping topsoil, building subgrade, backfilling foundations and continued graveling roads throughout the construction site.

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	11.37	12.32	MI	92%
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	24	29	EA	83%
Culvert	2,470	4,740	LF	52%
Silt Fence	19,972	34,000	LF	59%

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

Crews continued to frame, drill and set poles and string conductor in August.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Offload Poles	212	214	EA	99%
Anchors	56	72	EA	78%
Guying	56	72	EA	78%
Framing Structures	208	214	EA	97%
Drill Hole	199	214	EA	93%
Set Pole	199	214	EA	93%
Pole Grounding – Ground Rods	177	214	EA	88%
String Conductor	11.27	16.0	MI	70%
Clip Conductor	387	585	EA	66%
OPGW	4	6	EA	67%

Underground Collection

Crews continued trenching conductor. Boring was completed in August.

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	5,606	15,194	LF	37%
Trench & Cable Install - 500	29,844	29,567	LF	101%
Trench & Cable Install – 4/0	9,627	7,760	LF	126%
Trench & Cable Install – 1/0	18,159	23,906	LF	105%
Feeder 1 Cable Installed	18533	23,906	LF	78%
Feeder 2 Cable Installed	17,907	29,767	LF	60%
Feeder 3 Cable Installed	27,756	28,004	LF	99%
Feeder 4 Cable Installed	15,192	15,418	LF	99%

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Substation

Substation crew began installing conduit, grounding and steel in August. Foundation work was completed.

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	75	100	%	75%
Conduit Install	70	100	%	70%
Steel Install	30	100	%	30%
Equipment Install	3	35	EA	9%
Switch Install	0	38	EA	0%

Install

Turbine deliveries began in August. Crews began erecting turbines.

Activity	Complete to Date	Project Total	Unit	Percent Complete
Set Switchgear	27	29	EA	93%
Offload Drivetrain	5	29	EA	17%
Offload Base	17	29	EA	59%
Offload Lower Mid	17	29	EA	59%
Offload Upper Mid	17	29	EA	59%
Offload Top	17	29	EA	59%
Offload Nacelle	5	29	EA	17%
Offload Hub	5	29	EA	7%
Offload Blades	11	29	EA	38%
Set Base	5	29	EA	17%
Set Lower Mid	5	29	EA	17%
Set Upper Mid	1	29	EA	3%
Set Top	1	29	EA	3%
Set Nacelle	1	29	EA	3%
Set Blades	0	29	EA	0%
Grout Base	4	29	EA	14%
Tension Anchor Bolts	3	29	EA	10%

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 staking wetland areas throughout the project site. Erosion controls are installed as needed around wetlands prior to work activities commencing near the wetlands.

Wildlife

Consultations continued with the U.S. Fish and Wildlife Service (USFWS) regarding next steps in the restoration of the Dakota skipper habitat. All work continues to be done in compliance with project requirements to minimize direct and indirect effects on the Dakota skipper.