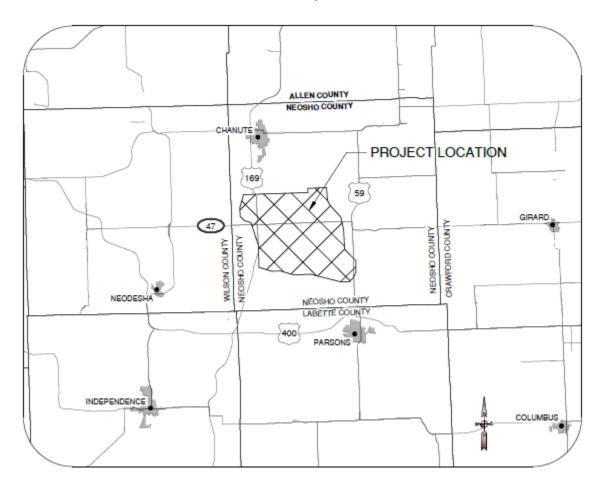
# Neosho Ridge Wind Project

Neosho County, Kansas



Project Progress Report No. 18

January 2021

\*HC\* Indicates Highly Confidential \*HC\*

\*\* Indicates Confidential \*\*



Liberty Utilities – Empire District 602 S. Joplin Ave. Joplin, MO 64802

# Neosho Ridge Wind Project Project Progress Report No. 18

# January 2021

## **Contents**

1.0	Summary	1
	Safety	
	Commercial Activities	
	Development Activities	
	Construction Activities	
	Project Cost Report	
7.0	Progress Photos	. 9

### 1.0 Summary

From a development perspective, the majority of the activities have been completed and all that remains is receipt of approval from South Kansas & Oklahoma Railroad (SKOL) and Neosho County to install a culvert along 150<sup>th</sup> Road. All major engineering design disciplines have been Issued for Construction (IFC).

Construction on-site continues, see below for a high-level summary of the major activities that occurred during this reporting period:

- Public road culvert improvements as well as removal of public road radii continued and are nearing completion.
- IEA has completed erection of all 139 turbines and continues to complete mechanical completions
  of the turbines. 106 mechanical completion certificates have been received by the end of this
  reporting period.
- 9 circuits have been energized. Crews continue to test collection system circuits to prepare for energization of the remaining 5 circuits.
- Installation of the SCADA system is nearly complete.
- Vestas continued commissioning activities; 62 turbines have been commissioned by the end of this reporting period.
- Reclamation work as it relates to public road radii, foundation sites and turbine access roads continued.

# 2.0 Safety

There were 10 incidents to report for this period:

- First Aid Team member pinch his pinky finger while holding a line during the build of the main crane. Occucare was notified and individual was treated for minor first aid.
- First Aid team member lost his balance while trying to attach rigging back onto the top tower section. Team member climbed down tower and notified foreman and safety department. Occucare was notified and team member was treated for bruising/body soreness.
- First Aid Team member was picking up tarps from the ground when he made a slight twist to
  toss the tarp onto the forklift and felt tightness in his back. Occucare was notified and team
  member is being monitored on site.
- First Aid Team member stepped on the ledge of the grating walking path at the nacelle side entrance causing his right ankle to roll. The team member went to catch himself on the cylinder in the nacelle but missed resulting in his left shoulder contacting with the gear box in the nacelle. Occucare was notified and individual was treated for minor first aid.
- First Aid Team member attempted to loosen stripped flange bolts with proper tooling but could
  not complete this task. Team member then started to use a grinder to cut the bolt instead. The
  grinder got stuck on bolt which it turned causing the grinder to kick back and make contact which

the team members left side of face, cheek area resulting in a laceration approximately six inches long. Occucare was notified and recommended team member be taken to clinic.

- Property Damage Tower Blade came into contact with the 11,000 boom resulting in paint transfer from boom to blade. Repair and replaced. Cause of incident was due to incorrect positioning of taglines.
- Property Damage (Environmental Spill) A team member was fueling a truck and left the pump unattended, the fuel pump shut off failed which resulted in approximately 35-40 gallons of diesel to spill over onto the ground. Spill/Dirt has since been contained, dug up and disposed of in a Clean Harbors dumpster on site. Kansas Department of Health and Environmental has been notified.
- Property Damage (Waterline strike) CAT Loader was moving crane mats during crane walk when Loader got stuck in the muddy conditions. Loader operator tried to reverse out of mud causing it to sink lower into the mud contacting underground waterline causing damage. Neosho Rural Water district has been notified and fixed the damaged line.
- Vehicle Damage Team member was pulling onto radius with a low boy when he cut radius corner
  to short and contacted the escort truck resulting in minor damage. Damages consisted of
  passenger side taillight and passenger side rear quarter panel.
- Vehicle Damage Worker was driving east on HWY 47 towards the laydown yard when a deer contacted team members company vehicle. Driver did not see deer.

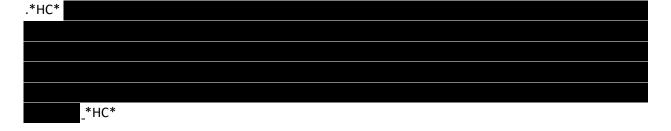
	Lost Time	Recordable	First Aid	Property Damage	Near Miss	Vehicle Incidents	Totals
This Period	0	0	5	3	0	2	10
Cumulative	0	0	21	77	2	22	122

#### 3.0 Commercial Activities

# 3.1 Purchase and Sale Agreement

Contractual milestones achieved during the report period are as follows:

- Seller:
  - Nothing to report
- Purchaser:
  - Nothing to report



Contractual milestones to be achieved in the next report period as follows:

- Seller:
  - Nothing to report
- Purchaser:
  - Nothing to report

# 3.2 Turbine Supply Agreement and Service and Maintenance Agreement

During this reporting period, Vestas submitted to the project Excusable Events Nos. 33, 34, 35, 36, and 37 under the Turbine Supply Agreement (TSA) which are provided in Appendix A. A response to Excusable Events Nos. 30 through 37 has been sent to Vestas and is also provided in Appendix A To date, Vestas has submitted to the project 34 Excusable Event Notices under the TSA and 1 Force Majeure Notice under the Service and Maintenance Agreement.

At the time of this reporting period the final impact to the project cost and schedule as it relates to the Vestas Excusable Event submissions and submissions of supplier non-conformance by the project is unknown. Further details will be provided in subsequent reports.

### 3.3 Engineering, Procurement and Construction Agreement

During this reporting period, IEA submitted to the project 1 Notice of Delays from Tower Walk Downs under the Engineering, Procurement and Construction (EPC) Agreement which has been provided in Appendix A. To date IEA has submitted 8 Notices under the EPC Agreement to the project.

During this reporting period, the project submitted a Notice to IEA to provide the Contractor with the Excusable Event Notices that have been provided by Vestas to date. The Notice is included in Appendix A.

Change Order #5 was executed during this reporting period and has been included in this report as Appendix C. Change Order #5 is a result of a delivery route change to accommodate the delivery of turbine components to two turbine locations (T092 and T093) in the northwest portion of the project.

At the time of this reporting period the final impact to the project cost and schedule due to the Notices received by the Contractor and sent by the project is unknown. Further details will be provided in subsequent reports as necessary.

## 3.4 Interim Generator Interconnection Agreement

Nothing to report.

# 4.0 Development Activities

Development activities for the period were minimal and are largely complete.

IEA continues to work towards obtaining all permits/agreements necessary to facilitate construction and is nearly complete. IEA continues to work with both Neosho County and South Kansas & Oklahoma Railroad (SKOL) to obtain approval of a culvert design/install on 150<sup>th</sup> road which is in proximity to the railroad. SKOL has reviewed the latest design from IEA and have provided comments which are being incorporated. Once approved by both the County and SKOL the work will be completed. There is one other area along 150<sup>th</sup> road that requires an installation of a box culvert. This work is underway and nearly complete.

IEA also continues the process of closing out use of right of way permits with the KDOT along highway 59. Further details will be provided in subsequent reports as necessary.

#### **5.0 Construction Activities**

Construction activities during the report period largely consisted of engineering and site work.

All engineering designs have now been issued for construction (IFC), however various engineering studies are on-going and nearly complete.

IEA continues construction on-site. The following provides an update on construction activities during this report period as well as the progress status of major activities:

- Public road culvert improvements as well as removal of public road radii continued and are nearing completion.
- Turbine erection is complete. IEA continues to submit mechanical completion certificates.
- 9 circuits have been energized. Crews continue to test collection system circuits to prepare for energization of remaining 5 circuits.
- Installation of the SCADA system is nearly complete.
- Vestas continued commissioning activities.
- Reclamation work for public road radii as well as foundation and turbine access roads continued.

#### WTG Access Roads

0	Stripping:	195,360' of 195,360' = 100%
0	Cement Stabilized:	195,360' of 195,360' = 100%
0	Stoned:	195,360' of 195,360' = 100%

#### Turbine Foundations

0	Sites Stripped:	139 of 139 = 100%
0	Excavated:	139 of 139 = 100%
0	Mud Mats:	139 of 139 = 100%

0	Rebar Installation	139 of 139 = 100%
0	Poured:	139 of 139 = 100%
0	Backfilled:	139 of 139 = 100%
0	Crane Pads Installed	139 of 139 = 100%

#### • Offload/Erection

0	Full Turbines Received:	139 of 139 = 100%
0	Full Turbines Erected:	139 of 139 = 100%
0	Tower's Wired	134 of 139 = 96%
0	Mechanical Completion Certificates	106 of 139 = 76%

#### Collection

0	Cable Installed	592,615 of 592,615 = 100%
0	Terminations Installed	179 of 179 = 100%
0	Testing	14 of 14 = 100%

#### • Substation

0	Foundation	100%
0	Underground Electrical	100%
0	Steel And Equipment	100%
0	Switches	100%

#### • Transmission Line

0	Clearing	44,880 of 44,880' = 100%
0	Stage Poles and Materials	66 of 66 = 100%
0	Assemble Poles	66 of 66 = 100%
0	Set Poles	66 of 66 = 100%
0	795 Conductor	198 of 198 = 100%
0	OPGW	66 of 66 = 100%

#### Reclamation

0	Public Road Radius Topsoil	15 of 52 = 29%
0	Access road Radii Removal	42 of 108 = 39%
0	Foundation Site Reclamation	43 of 139 = 31%
0	Foundation Aggregate Skirts	77 of 139 = 55%

#### Commissioning (Vestas)

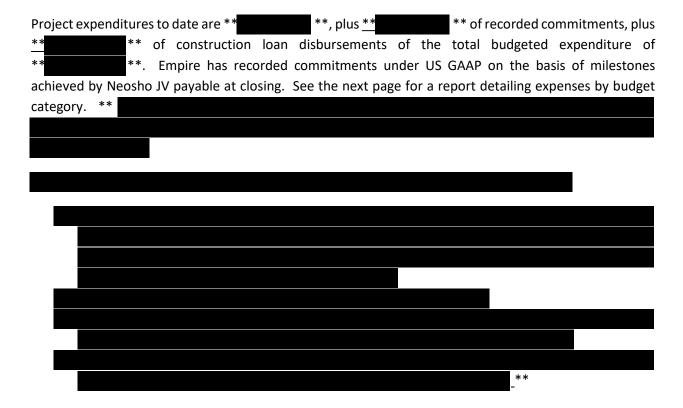
Commissioning Completion Certificates 62 of 139 = 45%

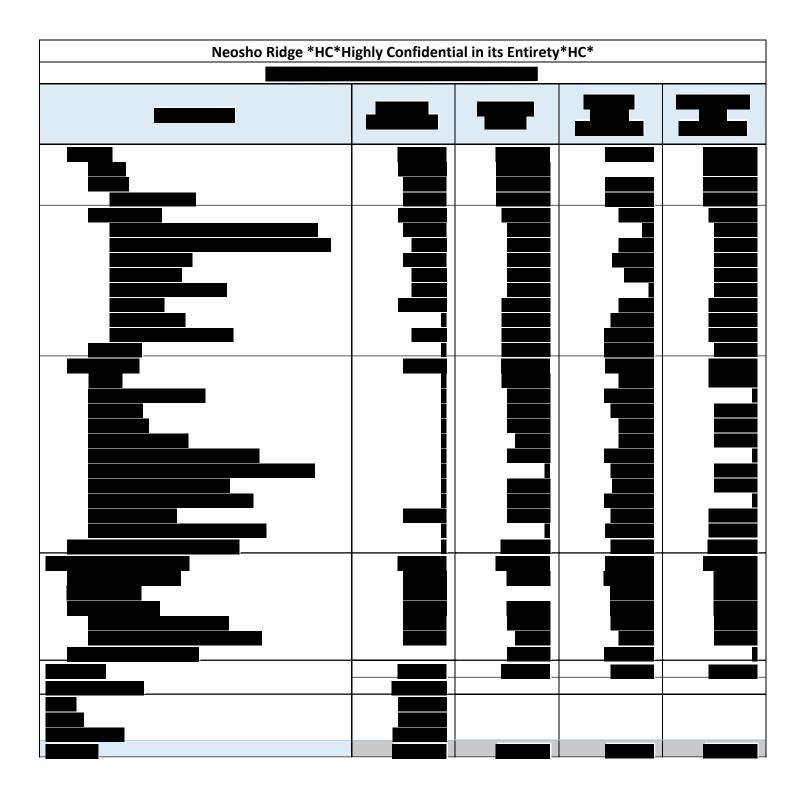
Vestas crews continue to participate in turbine walkdowns and review of mechanical completion certificates (MCCs) that have been submitted by IEA; as of this reporting period, 106 turbines have achieved mechanical completion. Vestas continue with commissioning activities and have completed 62 turbines to date.

Construction of the O&M building is complete apart from minor punch list items. The project teams have begun to move in.

For further details related to construction activities and the construction schedule, please refer to the Construction Management Monthly Progress Report from the Construction Manager, APEX Wind Construction, LLC which is included as Appendix B.

# 6.0 Project Cost Report

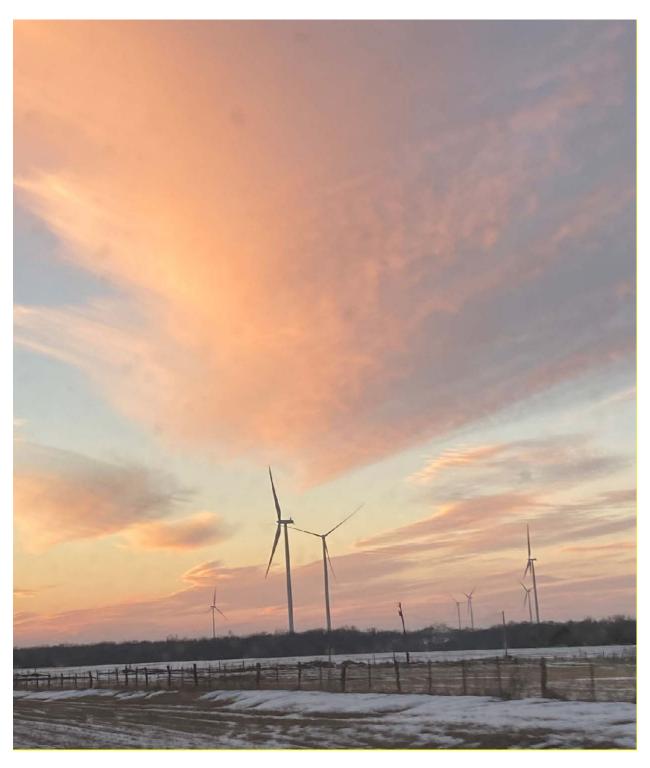




# 7.0 Progress Photos



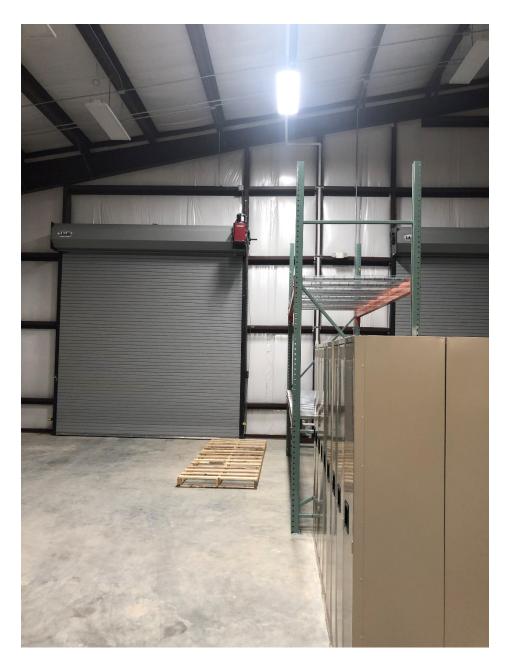
**Tower Section Installation** 



Turbines at Dusk



O&M Building – Conference Room



O&M Building – Shop Area