

# North Fork Ridge Wind Project

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*Barton and Jasper Counties, Missouri*



*Project Progress Report No. 21*

*April 2021*

**\*\*Indicates Confidential\*\***

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

*Empire District  
602 S. Joplin Ave.  
Joplin, MO 64802*

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*April 2021*

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## 1.0 Summary

There were no on-site activities during April. The Southwest Power Pool posted results for Phase 2 of the interconnection study and results from an adjacent transmission provider's affected system study. Final safety statistics and updated costs are provided in this report. Cost reporting will be finalized in the next few months.

## 2.0 Safety

There were no onsite activities during April. Man-hours at completion was 412,358, and the total number of safety incidents are reported below.

Period	Near Miss	Property Damage	First Aid	OSHA Recordable
To Date	18	34	28	3

## 3.0 Project Schedule

Substantial completion was achieved on November 21<sup>st</sup>, 2020, and turbine commissioning was completed on December 22<sup>nd</sup>, 2020. The Purchase and Sale Agreement closing occurred on January 27<sup>th</sup>, 2021.

## 4.0 Development Activities

With the exception of wildlife permitting and interconnection, development activities are nearly complete for North Fork Ridge. Both of those development activities are expected to be completed within the first year of commercial operation.

On April 7<sup>th</sup>, the Southwest Power Pool (SPP) posted Phase 2 results from the Discrete Interconnection System Impact Study (DISIS). These results show that, as expected, the correction of model input errors invalidated the network upgrades assigned to North Fork Ridge in Phase 1 of the study. Results of the next phase of the DISIS process are expected in September. On April 28<sup>th</sup>, SPP posted an affected system study of DISIS-2017-1 conducted by Associated Electric Cooperative, Inc. (AECI) The purpose of the study was to determine what effects, if any, projects in SPP may have on AECI's system. AECI's study allocated approximately \$300,000 in network upgrades on its system to North Fork Ridge. The upgrade is the replacement of two 161/345 kV transformers at a substation in eastern Oklahoma. The project has doubts concerning the validity of these results, due to pre-existing loading on the transformers in question, the distance of North Fork Ridge from the substation, and the fact that prevailing power flows

in SPP would be from the direction of the substation towards North Fork Ridge. The project will work with SPP to formulate a response to AECl.

## 5.0 Construction Activities

This is the status of construction activities:

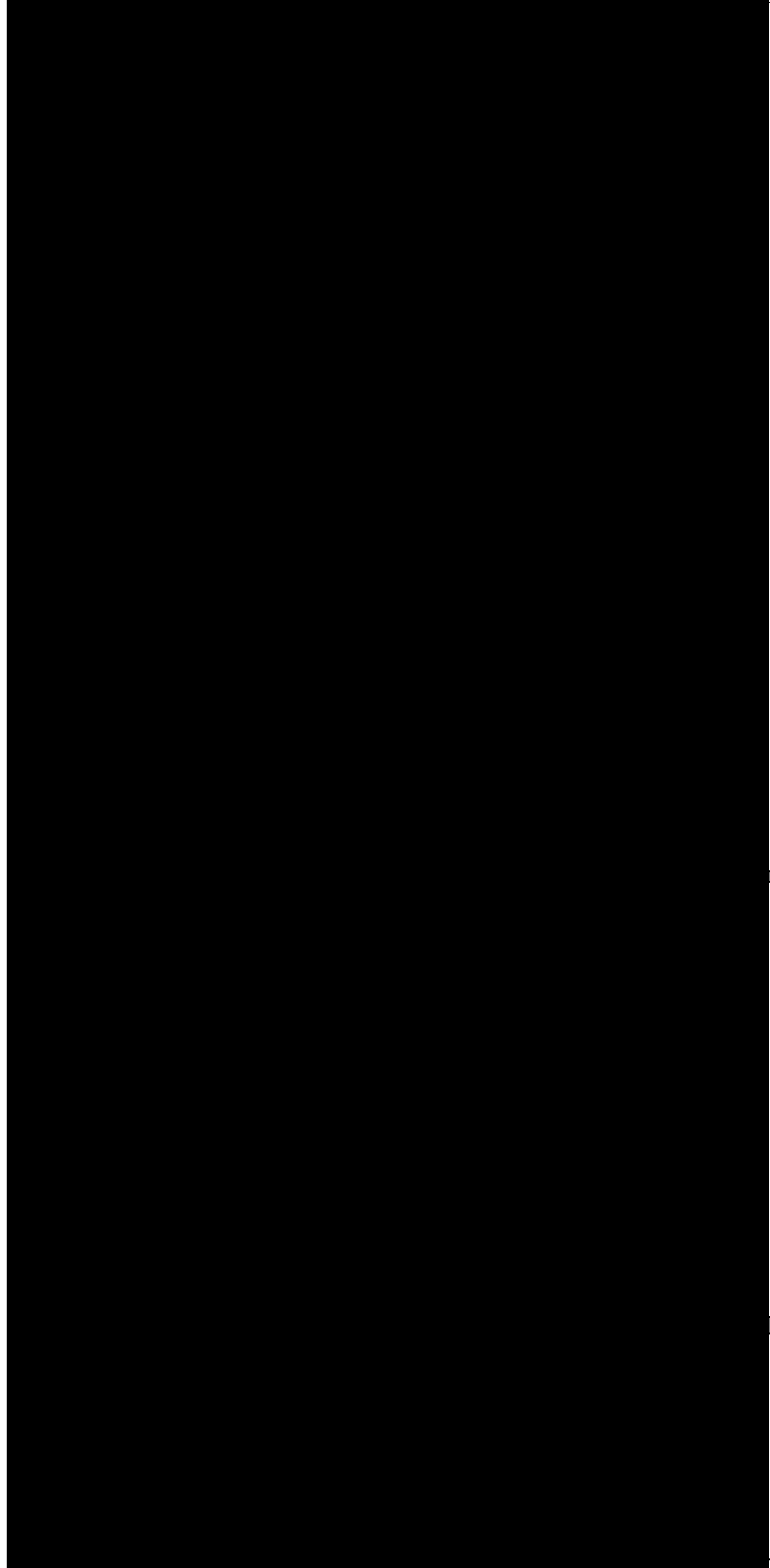
- Turbine foundations:
  - All foundations placed and backfilled
- Electrical activities:
  - Collection
    - Completed November 12<sup>th</sup>.
  - Substation:
    - Completed July 29<sup>th</sup>.
  - Generation tie line:
    - Completed July 29<sup>th</sup>.
- Erection:
  - Acceptance of turbine mechanical completion certificates completed.
  - Substantial completion achieved on November 21<sup>st</sup>.
- Commissioning:
  - Commissioning completed December 22<sup>nd</sup>.
- Restoration:
  - All restoration activities continued.
- Other:
  - Permanent met tower completed and commissioned.

Construction issues identified:

- None.

## 6.0 Project Cost Report

Expenditures during April totaled \*\*[REDACTED]\*\*. The major expenses in this month were labor and professional services related to wildlife permitting and tax equity closing. Project expenditures to date (excluding the PSA Purchase Price) are \*\*[REDACTED]\*\*. The PSA Purchase Price was \*\*[REDACTED]\*\*. This purchase price is still subject to a true up under the purchase and sale agreement and does not reflect tax equity contributions. A report of the project costs at completion including the purchase price will be provided in a future project progress report.



North Fork Ridge \*HC\* Highly Confidential in its Entirety \*HC\*

## 7.0 Progress Photos

This section intentionally blank.

## 8.0 Appendices

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