

Invenergy Deuel

Wind Farm Foundations and Sitework



Total Contract: \$30,750,000
Project Start: April 2019
Anticipated Completion: August 2020



Resourceful.



Responsive.



Results.



CLEAR LAKE
SOUTH DAKOTA



Invenergy Deuel

Wind Farm Foundations and Sitework / Clear Lake, SD
Project Size: \$30,750,000 / April 2019 - August 2020

Bowen supported Invenergy with the Installation of 109 wind turbine foundations for 2 phases of the project. This project is part of a 109 turbine addition to the Deuel County wind farm in the plains of South Dakota. Bowen also completed the Sitework for the project during Phase I.

Project Challenges:

- The project site was spread across 42 square miles in a remote area of South Dakota. Most parts of the site lacked cellular phone reception and radios were out of range of many areas.
- The project site, and primitive roadways required active coordination with multiple onsite contractors.
- Work in frigid temperatures in late fall months to get a jump on spring schedule.
- Two mobilizations for support of fall and spring / summer work.

Bowen Resourceful:

- Bowen built a detailed communication plan, and overcame communications challenges with direct participation in SQP Lean Construction.
- Bowen modularized the construction of anchor bolts and delivered the cages preassembled to each foundation excavation ahead of the respective concrete pours.

Bowen Responsive:

- Bowen worked directly with owner and on other onsite contractors to ensure ontime completion - despite wet weather, and challenging road conditions.

Bowen Results:

- The project is on schedule for completion within schedule.
- The project has not required rework any quality issues.

PROJECT SCOPE

- Concrete / Civil

PROJECT SPECS

- 109 Turbine Foundations
- 42 Square Mile Project Site
- 58,000 CY of Concrete
- 15,260 Anchor Bolts
- 15,000 LF of Access Roads
- 12 Miles of County Road Improvements

PROJECT TEAM

- Bowen Contact: Jason Lemire
614.230.5762

ADDITIONAL PHOTOS



Scan with your camera app to additional pictures and video of this project.



RESOURCEFUL. RESPONSIVE. RESULTS.

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