

PISGAH WIND PROJECT

CLIENT: Cianbro Corporation
LOCATION: Clifton, Maine
CONTRACT VALUE: Confidential

START DATE: 2015
COMPLETION DATE: 2017

PROJECT DETAILS

The Pisgah Mountain Wind Project consists of 5 – 1.8 MW Vestas wind turbines located on Pisgah Mountain.

This project includes, but is not limited to, the Balance of Plant electrical engineering design work necessary for the 34.5 kV underground system from the turbines to the riser poles; the 34.5 kV overhead line between turbines and to the new substation; the 34.5 kV to 115 kV substation; the interconnection to BHE Section 66 and the communication/SCADA system.

SCOPE OF SERVICES

- Designed and performed specifications for 115/34.5 kV line terminal including all equipment, foundations, structures, cabling, control & protection systems, and communication systems
- Designed and performed specifications for 34.5 kV aerial and underground collection system including all necessary equipment, cabling, materials and pole alignments
- Responsible for Relay and SCADA device settings
- Responsible for Wind Turbine Grounding and Conduit Plans
- Provided technical liaison services with local telecommunication providers, Central Maine Power/ IUSA and ISO-NE
- Performed technical analyses and assessments (turbine ground grid, short circuit analysis, lightning protection)
- Provided record drawings and equipment documentation

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