

# Deep Water Wind Project

Rhode Island, USA



Black & Veatch provided engineering and procurement support services to design two new greenfield 35kV substations, Block Island Substation and Dillon's Corner Substation, as well

## Black & Veatch Role

- Engineering
- Procurement Support

## Client Reference

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as retrofit projects at Wakefield Substation and West Kingston Substation, located in Washington County, Rhode Island. These projects provided the infrastructure to connect America's first offshore wind farm to National Grid's sub-transmission network.

The greenfield projects consisted of 35kV switchgear buildings with associated control rooms for protection & control equipment. Outdoor reactor banks, capacitor banks, and a grounding transformer were also installed at these stations. The retrofit projects included new 35kV bus positions for tying in new sub-transmission lines as well as the associated protection & control equipment.

The wind project will provide 30 megawatts from a five-turbine block.

Construction was completed on schedule and the wind farm began commercial operations in December 2016.

