Beacon Wind Project Overview

The Beacon Wind Project consists of two proposed wind energy facilities (BW1 and BW2) that, together, would include:

Offshore Components

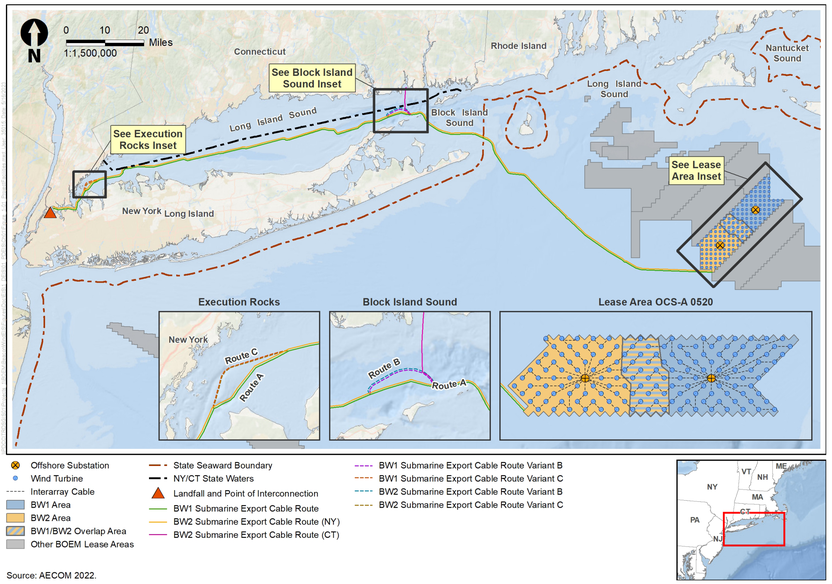
- Up to 155 total wind turbine generators.
- Up to two offshore substations.
- Foundations and associated scour protection for wind turbines and substations.
- Interarray cables that connect the wind turbines to the offshore substations.
- Up to two high-voltage direct current (HVDC) submarine export cables. The BW1 cable would landfall at the Astoria Power Complex in Queens, New York. The BW2 cable would landfall in either Queens, New York or Waterford, Connecticut.
- One temporary meteorological and oceanographic (metocean) buoy.

Onshore Components

- Onshore export cables from each landfall location would connect to an onshore substation and covert the HVDC power to high-voltage alternating current (HVAC).
- Onshore interconnection cables would run the HVAC power to existing point-of-interconnection (POI) substations for transmission to the electric grid.

The Beacon Wind Project is sited offshore Massachusetts, 20 miles (32 kilometers) south of Nantucket, Massachusetts, and 60 miles (97 kilometers) east of Montauk, New York within Lease Area OCS-A 0520 (Lease Area). BW1 has a signed 25-year offtake agreement with the New York State Energy Research and Development Authority and is expected to deliver 1,230 megawatts of power from the Lease Area via a submarine export cable to a POI in Queens, New York. Beacon Wind is actively seeking an offtake agreement for BW2 and evaluating two potential submarine export cable routes to deliver power to identified POIs in either Queens, New York or Waterford, Connecticut. The central portion of the Lease Area, identified as the Overlap Area, may be included in either BW1 or BW2.

For more information, please visit:
https://www.boem.gov/renewable-energy/state-activities/beacon-wind



Source: AECOM 2022.