INTRODUCTION TO BAY STATE WIND OFFSHORE WIND FARM PROJECT

Port Safety Forum
Southeastern Massachusetts

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Prepared by Bay State Wind LLC
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Introduction to Bay State Wind LLC – DONG Energy

DONG Energy Wind Power asset portfolio, build-out plan and pipeline options 2016-2025

- The largest offshore wind portfolio globally in attractive offshore wind markets
- At the forefront of reducing cost of electricity from offshore wind
- Solid track-record in delivering large and complex projects
- Robust and highly visible 3.7 GW build-out plan leading to 6.7 GW installed capacity in total by 2020 and 11-12GW by 2025.
- Numerous and attractive projects in pipeline options post-2020 with 8.1 GW of secured development rights
- Significant consenting/permitting experience including preparation of Environmental Impact Assessments, obtaining and amending authority permits and approvals

Source: Bloomberg New Energy Finance (BNEF)

1. Excluding small-scale demo sites
2. Wind farms where DONG Energy provides operations and maintenance
DONG Energy & Eversource announced partnership in December 2016

- DONG Energy and Eversource partnering to develop, build, own and operate offshore wind farm
- 50/50 partnership
- Jointly own ~187,000 acre lease
- Located 15-25 mi (24-40 km) south of Martha’s Vineyard
- Lease will be developed in phases

- Capacity for at least 2,000 MW
- Depths: 108 – 200 ft (33-61 m)
Bay State Wind Key Project Activities

- Inter-connection application filed for Brayton Point, summer 2016
- SAP geophysical survey conducted Fall 2016
- Followed by reconnaissance level geotechnical campaign across lease area, Fall 2016
- SAP submitted to BOEM and under review
- Deployment of Flidar and met-ocean buoy early summer 2017
- COP survey planning underway
- Stakeholder outreach continues
Construction and Operation Plan Surveys and Assessments

Purpose to support:

• Understanding of baseline conditions
• Support siting and engineering design
• Evaluation of potential impacts

Environmental Areas of Interest

• Biological
• Physical
• Human Uses

• Program will be comprised of both site-specific surveys and desktop studies and analyses
• Proposed approach based on desktop evaluation of existing data
Proposed Environmental Program:

- Whale
- Fisherman with sea creature
- Fish
- Dolphin
- Bird
- Coastal structure
- RV Ocean Researcher
- Ships

Gardline 2016
Key Stakeholder Outreach specific to Geophysical and Geotechnical surveys

- Engagement with fisheries organisations prior to the surveys
- Issue Notices to Mariners and Information to Fishermen
- We have a company Fisheries Liaison Officer (FLO) and Fisheries Industry Representation (FIR) to cover the region and:
  - Facilitate communication
  - Be present during offshore geophysical and geotechnical surveys

We want to continue to:
- learn from the fishing community about the environment within which we are working, and how best to work alongside and with the industry
- build and maintain good and collaborative relationships with the fishing community which will allow for co-existence

We also engage with Federally Recognised Tribal Nations regarding archaeological and cultural interests.
Proposed Environmental Program: Shipping and Navigation

Proposed Navigational Safety Risk Assessment (NSRA) Approach:
• Characterization of the waterway, users, routes, channel dimensions and bottom conditions;
• Characterization of risk resulting from presence of the wind farm; and
• Identification of potential mitigation measures.

NSRA to be Conducted
• Waterways Characteristic Analysis
• Vessel Characteristics Analysis
• Marine Traffic Survey and Analysis
• Project Effects Assessment
  • Navigational Safety
  • Communications
  • USCG and Military Missions
  • Cumulative Impacts

COMMENTS
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