Presenters

• Jeff Grybowski, CEO
• Chris van Beek, President
Agenda

- 2015 - 2016 Schedule Overview
- Status and Schedule of Submittals
- Health, Safety, Environment
- Foundations
- Transmission
- Turbine Manufacturing
- Vessels
- Turbine Installation
- Commissioning
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<th>2015</th>
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**Status and Schedule of Submittals**

- Queries by ABS as a result of the FDR and FIR review are being answered by DWW
- Witness and Inspection program by ABS has been established

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FDR: Facility Design Report  
FIR: Foundation and Installation Report
300 Local Jobs

Local firms and workers involved in every phase of project

- Design and development
- Fabrication
- Installation
- Service

Four RI ports used

Spin-off opportunities a reality
Excellent Safety Record

- Total man hours on project to date: 571,107
- No serious injuries

Detailed project plans:
- BIWF HSE Plan
- BIWF Emergency Response Plan
- Offshore Minimum PPE Requirements
- Offshore Minimum Training Requirements
- HSE Bridging Plan between all Major Contractors
- Major Contractor HSE Plans
- Major Contractor Emergency Response Plans
Perfect Environmental Compliance Record

- Extensive permit and environmental compliance plans
- No deviations from approved plans in 2015
  - Expectation is zero deviation in 2016
- Third Party environmental compliance monitor in place

Protected Species Observer (PSO)
Block Island Wind Farm Foundation Installation

Precedent-setting Offshore Species Mitigation Program

Number of PSOs: 10
Hours worked: 2,311
All Foundations Installed

- Each foundation placed within 0.5 meters of planned location
- All welds 100% tested and confirmed
- All repairs completed and verified
- Inspections confirm that all work performed according to design criteria
Excellent Fabrication and Offshore Welding Results

- All foundations fabricated and installed according to design and industry standards
- All welds tested and verified
- Overall weld repair rate of 0.5% excellent versus industry standard rate of 2%
Innovating Offshore Methods

Avoiding Boulders

- Innovative buried boulder detection program used latest technology available
- Results critical to final installation plan
- Successfully avoided large buried boulders up to 50 feet deep on multiple locations
1. Lift and set jacket on sea bed
2. Insert and drive piles into foundation legs
3. Lift and set transition deck on jacket and weld the two pieces together

U.S. Vessels and Workers Completed Installation
Foundation Grouting and Painting

- Offshore work begins May 15th & ends July 1st, 2016
- Mobilizing a jack-up vessel for the work
- Grouting & painting spreads on deck
- Detailed schedules, procedures and drawings are under development
- Other minor outstanding completion work on foundations will be done
Transmission Cable
Manufacturing Complete

Dimensions
• Length: ~30 miles
• Diameter: 6.77 inches
• Weight: over 3,000 tons

Specifications
• 34.5 kV
• Fiber optic included

Status
• Manufacturing complete
• All factory quality tests passed
• Cable enroute to RI now (March arrival)
Conductor, Fiber Cable and Binder Assembly
Final Outer Armor Application
Installing Cable Under Town Beach

- Equipment mobilizing on island now
- Work to be complete in May

Target Burial Depth

10 feet
- Target Burial Depth

6 feet
- Target Burial Depth
Horizontal Directional Drill Rig
Cable Installation Vessel

- “Big Max” arrived in RI in February
- Final outfitting work in Quonset
- Offshore installation begins in April
Turbine Manufacturing on Schedule
World-Class Technology
GE Turbine Manufacturing Facility in ProvPort

- GE assembling turbine components in ProvPort
- Three levels of electrical and mechanical equipment in each tower
- Subcontractors include significant RI firms:
  - Aladdin Electric
  - Bay Crane
  - VHB
  - GZA
  - E.W. Audet
Offshore Service Vessel
Built in RI

- Deepwater contracted with Rhode Island Fast Ferry (Quonset, Rhode Island) to build a state of the art crew transfer vessel
- Rhode Island Fast Ferry contracted with Blount Boats (Warren, Rhode Island) to build the vessel
- The crew transfer vessel is a 70’ catamaran with a tier 3 engine and custom bow to safety and efficiently transport workers from the Quonset to the Block Island Wind Farm
Heavy Lift Vessels for Turbine Installation

- No U.S. Vessel has the capacity to install the 6MW GE Haliade turbines
- DWW contracted with Fred Olsen (Norway) to use the Bold Tern to install turbines at the Block Island Wind Farm site
- DWW contracted with Montco Offshore (Houston, Texas) to use two jack-up vessels to shuttle components from the Logistic Hub in ProvPort to the offshore site.
Wind Turbine Installation
Approximately 30 days in ~August 2016
Wind Turbine Installation

Lifting the Nacelle
Wind Turbine Installation

Installing Blades
Wind Turbine Commissioning

Commissioning activities to take place after mechanical completion of wind turbines prior to start of commercial operations.