America’s Offshore Wind Leader

• Developer and operator of the first offshore wind project in the US
• Winner of the first auction for federal offshore wind leases in the US
• Awarded first, second, and third offshore wind power contracts in the US
• Controls three offshore lease areas with 4,000 MW capacity

Principally owned by D.E. Shaw, one of the largest global alternative asset managers with more than $43 billion assets under management as of July 1, 2017. Founded DWW in 2005 to focus on offshore wind in the US.
Regional Energy Challenge

Over 8,000 MW of Existing Generation at Risk
The Potential

Offshore wind delivers energy when and where it’s needed most.

Wind Resources Along US East Coast

Water Depth on the OCS
Rapid Advances in Offshore Turbine Technology

Typical Onshore Turbine

Block Island Wind Farm Turbine

Boeing 747: 250'
BIWF Blades: 240'
2011  Final revenue contract approved
2012  Permit applications submitted
2014  Final permits approved
2015  Offshore installation begins
2016  Commercial operations
Permitting

The Block Island Wind Farm required at least 27 separate state and local approvals
Tapping into the US Offshore Industry

Building Foundations in the Gulf of Mexico

GULF ISLAND FABRICATION, INC.

MONTCO OFFSHORE

Keystone Engineering Inc.

Offshore Marine Contractors

ABS
Transmission

Spooling cable onto cable lay barge Big Max
U.S. Vessels and Workers Completed Installation

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
Heavy Lift Vessels for Turbine Installation

Brave Tern
Turbine installation vessel from Norway

Liftboats Caitlin & Paul
Shuttled components from ProvPort
Wind Turbine Installation

1. Set towers
2. Place nacelle
3. Install blades
America’s First Offshore Wind Farm is Now Operating

- 5 turbines.
- 17,000 homes.
- 300+ construction jobs.
- 1st in the nation.
Operations & Maintenance
GE Service Provider (Long Term)
DWBI Internal Balance of Plant
Collaborative Science

- Cutting-Edge Technology at Block Island Wind Farm Helping Scientists Track Bird and Bat Activity Offshore
- Working with URI & USFWS
State of the Art Equipment

- Avian Radar System
- Capable of tracking multiple avian targets using radar / camera combination
Ongoing Fisheries Studies

- Studying fish and shellfish populations at and around the Block Island Wind Farm
- Surveys taken before, during, and after construction
- Local Fishermen working to collect data
Monitoring of Foundations

- Growth important to engineering & environment studies
What’s Next?

Developer of America’s first offshore wind farm

Owner of three federal leases off the Atlantic Coast with 4,000 MW of capacity
Deepwater Wind was awarded a 20 year contract to supply power to LIPA in East Hampton. South Fork Wind Farm will allow LIPA to defer construction of fossil-fired generation in East Hampton. 15 turbines. 50,000 homes. PPA approved January 2017. Project coming online in 2022.
15 turbines.

Just over the horizon.

Affordable clean energy.

A local taxpayer.
Deepwater Wind’s Revolution Wind project is a next-generation 400-megawatt offshore wind farm with up to 50 offshore wind turbines that will help the State of Rhode Island meet its clean energy goals in an affordable way.

REVWIND BY THE NUMBERS:

800+ JOBS
200K HOMES
$40M

RHODE ISLAND PORT INFRASTRUCTURE IMPROVEMENTS

FACTS

Revolution Wind will mean significant new infrastructure investments and jobs for Rhode Island.

The project will be located in Deepwater Wind’s federal lease area, a 256-square mile area more than 15 miles south of Rhode Island, located “over the horizon” in federal waters.

Deepwater Wind’s lease site was the first to be competitively auctioned by the federal government. Deepwater Wind won that competitive auction in 2013.

If approved, local construction work on Revolution Wind would begin as early as 2020, with the project in operations in 2023. Survey work is already underway at Deepwater Wind’s lease area.

Revolution Wind will be located in the same federal lease area as Deepwater Wind’s South Fork Wind Farm, a 90MW project to serve Long Island, NY.

Clean energy is just over the horizon.®
Thank you!

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