

September 26, 2019



Atlantic Shores Offshore Wind

Planning for America's Ocean Energy

East Coast Wind Farm Overview

Doug Copeland, Development Manager



EDF Renewables

Over 30 years of experience developing renewable energy assets in the U.S. Actively developing and/or operating offshore wind projects in **France, Belgium, UK & Germany**. Operating and developing solar projects in New Jersey.

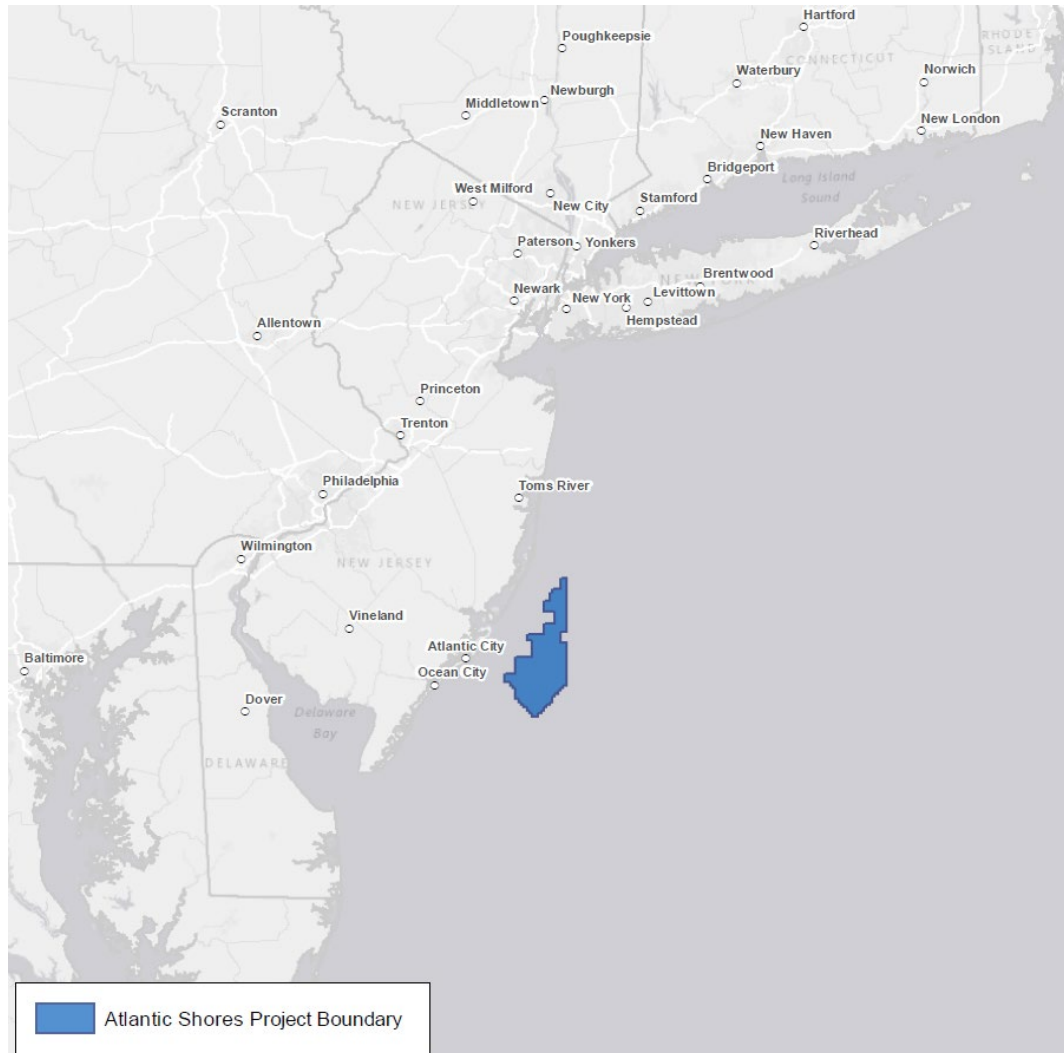


Shell

40+ years of oil and gas operations in the U.S. offshore sector. 15+ years in wind. Actively developing and/or operating offshore wind projects in the **Netherlands and U.S.**

50/50 Joint Venture between EDF Renewables and Shell New Energies.

Atlantic Shores BOEM Wind Energy Lease Area



BOEM Lease Area OCS-A 0499

- Up to 2.5 GW of offshore wind projects
- 183,000 acres
- Approximately 8-20 miles off the coast of New Jersey
- 60-100' water depth
- Strategically located to deliver to the State of New Jersey (PJM) and the State of New York (NYISO)
- Expected to deliver electricity in the mid-2020's

Lease Area will Support a Portfolio of Projects



Atlantic Shores Activities To Date Overview

DECEMBER 4, 2018

Lease Acquisition

DECEMBER 10, 2018

PJM Interconnection Filings

DECEMBER 28, 2019

Filed NJ OREC Application

JANUARY 2019

NYISO Interconnection Filing

FEBRUARY 14, 2019

Filed NY OREC Application

FEBRUARY 2019 to PRESENT

Primary activities since filing of OREC applications:

- *Stakeholder Engagement*
- *Resource Assessment and Marine Site Characterization Activities*
- *Advancement of Interconnection Strategy*
- *Environmental Desktop/Permitting Assessments*



Atlantic Shores Activities

Supply Chain Engagement Strategy

PAST

Full supply chain support within our past bids

PRESENT - FUTURE

Mindfully engaging with potential Partners

Competing in 2020 bids

- *Monitoring supply chain development*

Developing our knowledge of local suppliers

IN THE MEANTIME

Actively developing our portfolio and local partnerships

- *Karp Strategies – M/WBE NYC Certified*
- *Fisheries Liaison Officer – Barnegat Light, NJ*



Atlantic Shores Activities Stakeholder Engagement

DEC 2018 – MAY 2019

Established organization and brand

JUNE 2019

Founding Member of ROSA and joined RODA Task Force
MOU with Rutgers signed

JULY 2019

Stakeholder engagement firm contracted after competitive RFP process

- *Karp Strategies – M/WBE NYC Certified*

Established Fisheries Team

PRESENT TIME

Targeted outreach continues



Atlantic Shores Activities Site Assessment & Characterization

JUNE 2019

Submitted permit applications to NOAA to support 2019-2020 Marine Geophysical/ Geotechnical Surveys

JUNE 2019

Rutgers University

- *Current focus is metocean studies*
- *Visibility Study*

JULY 2019

Submitted BOEM survey plans

- *FLiDAR site clearance*
- *Lease area Reconnaissance Surveys*

JULY 2019

Procured FLiDAR units

DEC 2019

Measurement campaign begins



Atlantic Shores Activities

Interconnection

JULY 2019

Feasibility studies received

AUGUST 2019

In-Depth Right of Way analysis launched

FALL 2020

Interconnection studies complete

DEC 2020

Interconnection agreement finalized



Atlantic Shores Activities Environmental Assessments & Permitting

**SEPTEMBER
2019**

2019 Marine Surveys (lease area reconnaissance/FLIDAR clearance)

Q4 2019

SAP submission

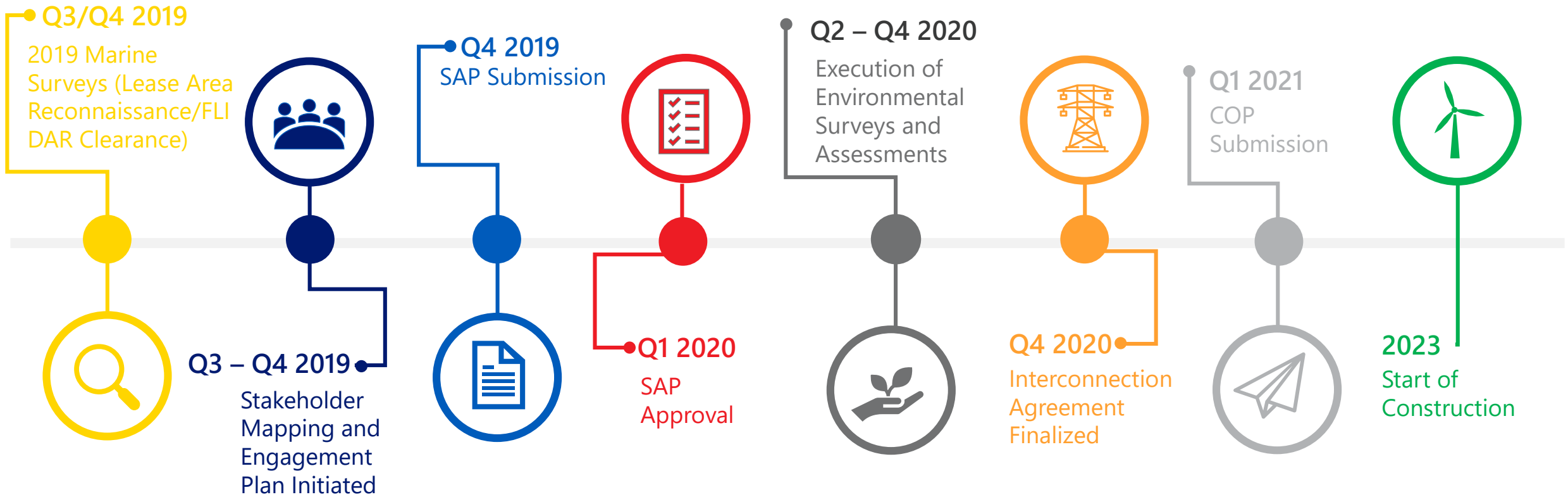
Q2-Q4 2020

Execution of environmental surveys and assessments

Q1 2021

COP submission

Atlantic Shores Development Plan – Key Milestones



Developing Exemplary Projects

Our goal is to understand local issues and to design projects that are suitable, well organized and respectful of the many uses of the marine environment.



Be Safe



Be a Good Neighbor

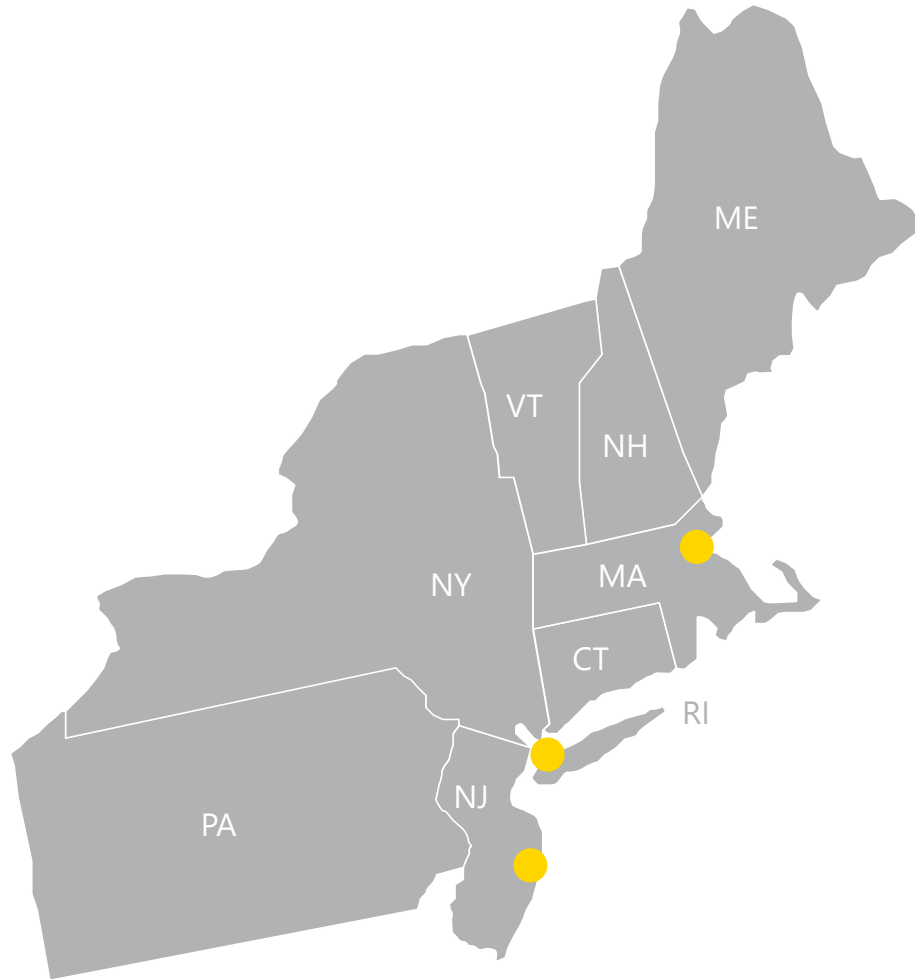


Be a Good Steward of Our Environment



Lead with Science

Where to Find Us



Boston, MA:

Atlantic Shores Offshore Wind, LLC
1 Beacon St
Boston, MA 02108

Brooklyn, NY:

Atlantic Shores Offshore Wind, LLC
81 Prospect St
Brooklyn, NY 11201

Atlantic City, NJ:

Atlantic Shores Offshore Wind, LLC
[coming soon]

Thank You.

Questions?

Doug Copeland

Development Manager

Doug.Copeland@atlanticshoreswind.com

+1 267-535-1366