New York Bight Task Force
Wind Developer Project Summaries

Spring Meeting: April 14th & 16th 2021

BOEM
Bureau of Ocean Energy Management

Sunrise Wind Farm Project

Logo Sunrise Wind | Powered by Ørsted & Eversource	**Company Name** Sunrise Wind, LLC (SRW)
Map See Figure 1	**Project Name** Sunrise Wind Farm Project
Project Status SRW submitted the construction and operations plan (COP) to BOEM in Sept 2020. The COP is currently under review with BOEM. SRW also submitted an Article VII application to New York State in Dec 2020 (Case No. 20-T-0617).	**Project Description** Sunrise Wind Farm (SRWF) is located approximately 17 miles southeast of Block Island, RI, and 30 miles east of Montauk Point, NY. SRWF includes up to 122 wind turbine generators (WTG), submarine cables between the WTGs, and an offshore convertor station, located in OCS-A 0487. Sunrise Wind Export Cable (SRWEC) is a direct current (DC) electric cable that will connect the SRWF to the existing mainland electric grid in the Town of Brookhaven, NY.
Point of Contact Michael Evans, micev@orsted.com (SRW permitting manager) Rodney Avila, rodav@orsted.com (fisheries liaison) Dan Forrest, dforrest@palinc.com, (tribal liaison)	**Project Next Steps** Federal and state permitting review is ongoing, as well as extensive Project outreach. Additional federal, state, and local permit applications are being developed and will be submitted in 2021/2022. SRW expects that construction of the Project will begin in 2023, and the Project will be commissioned and operational in 2025.

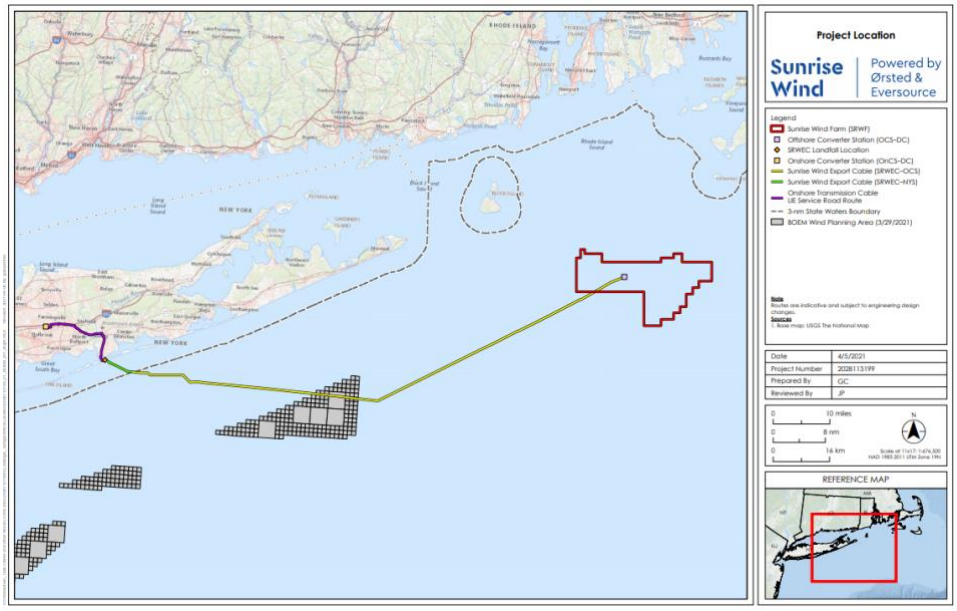

Figure 1: Sunrise Wind Farm Project

South Fork Wind Farm and South Fork Export Cable

Logo South Fork Wind | Powered by Ørsted & Eversource	**Company Name** South Fork Wind, LLC (SFW)
Map See Figure 2	**Project Name** South Fork Wind Farm and South Fork Export Cable
Project Status SFW submitted the construction and operations plan (COP) to BOEM in Jun 2018. BOEM published the Notice of Intent (NOI) to prepare an environmental impact statement (EIS) in Oct 2018 and published the Draft EIS in Jan 2021. SFW has also submitted other federal permit applications and is in the process of developing detailed project designs. SFW also submitted an Article VII application to New York State in Sept 2018 and a Certificate of Environmental Compatibility and Public Need (CECPN) was issued in Mar 2021.	**Project Description** South Fork Wind Farm (SFWF) is located approximately 19 miles southeast of Block Island, RI, and 35 miles east of Montauk Point, NY. SFWF includes up to 15 wind turbine generators (WTG), array cables between the WTGs, and an offshore substation, located in OCS-A 0517. South Fork Export Cable (SFEC) is an alternating current (AC) electric cable that will connect the SFWF to the existing mainland electric grid in East Hampton, NY. The SFWF also includes an O&M facility that will be located onshore at either Montauk in East Hampton, NY or Quonset Point in North Kingstown, RI.
Point of Contact Melanie Gearon, melge@orsted.com (SFW permitting manager) Rodney Avila, rodav@orsted.com (fisheries liaison) Dan Forrest, dforrest@palinc.com (tribal liaison)	**Project Next Steps** Federal permitting review is ongoing. BOEM is expected to issue FEIS in Aug 2021 and ROD in Oct 2021. Federal permits are expected by Jan 2022. As part of the Article VII process, SFW is also developing an Environmental Management and Construction Plan (EM&CP) for New York State review.

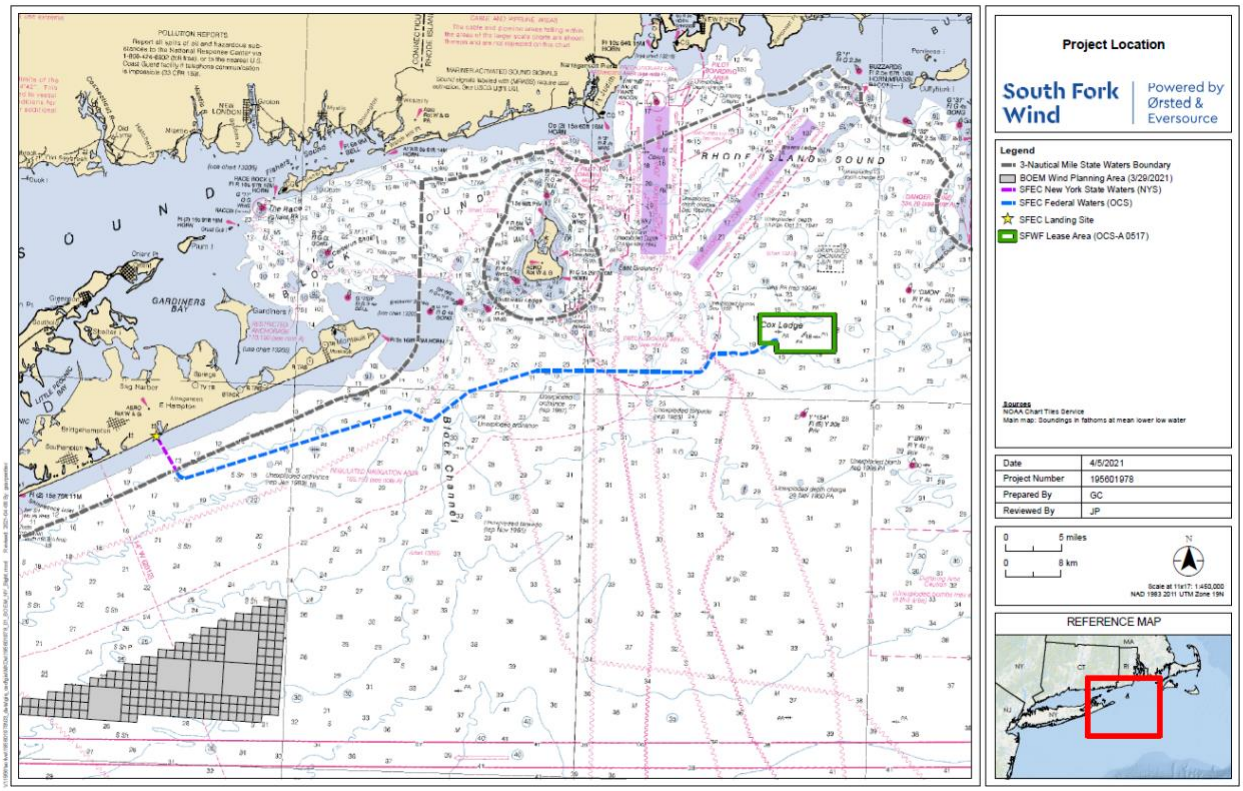

Figure 2: South Fork Wind Farm and South Fork Export Cable

Ocean Wind

Logo	**Company Name**
	Ocean Wind LLC
Map See Figure 3	**Project Name** Ocean Wind
Project Status Ocean Wind submitted construction and operations plan (COP) to BOEM in Aug 2019. BOEM published the Notice of Intent (NOI) to prepare an environmental impact statement (EIS) on March 30, 2021. The Project will be installed from 2023 through 2024 and will be commissioned and operational in 2024.	**Project Description** Ocean Wind is a proposed wind farm located approximately 15 miles off the coast of Atlantic City, N.J. The Project includes up to 98 wind turbine generators (WTGs), up to three offshore alternating current (AC) substations, array cables linking the individual turbines to the offshore substations, substation interconnector cables linking the substations to each other, offshore export cables, an onshore export cable system[1], two onshore substations, and connections to the existing electrical grid in New Jersey The WTGs and offshore substations, array cables, and substation interconnector cables will be located in Federal waters approximately 13 nautical miles (nm, 15 statute miles) southeast of Atlantic City. The onshore export cables, substations, and grid connections are intended to be in Ocean, Atlantic, and/or Cape May Counties, New Jersey.
Point of Contact Pilar Patterson, pilpa@Orsted.com (Ocean Wind permitting manager) Rodney Avila, rodav@orsted.com (fisheries liaison) Dan Forrest, dforrest@palinc.com (tribal liaison)	**Project Next Steps** Federal permitting review is ongoing with public scoping meetings scheduled for April 2021. Published milestone dates are: • DEIS: May 2022 • FEIS: Feb 2023 Significant permit submissions are scheduled for Q42020 / Q12021.

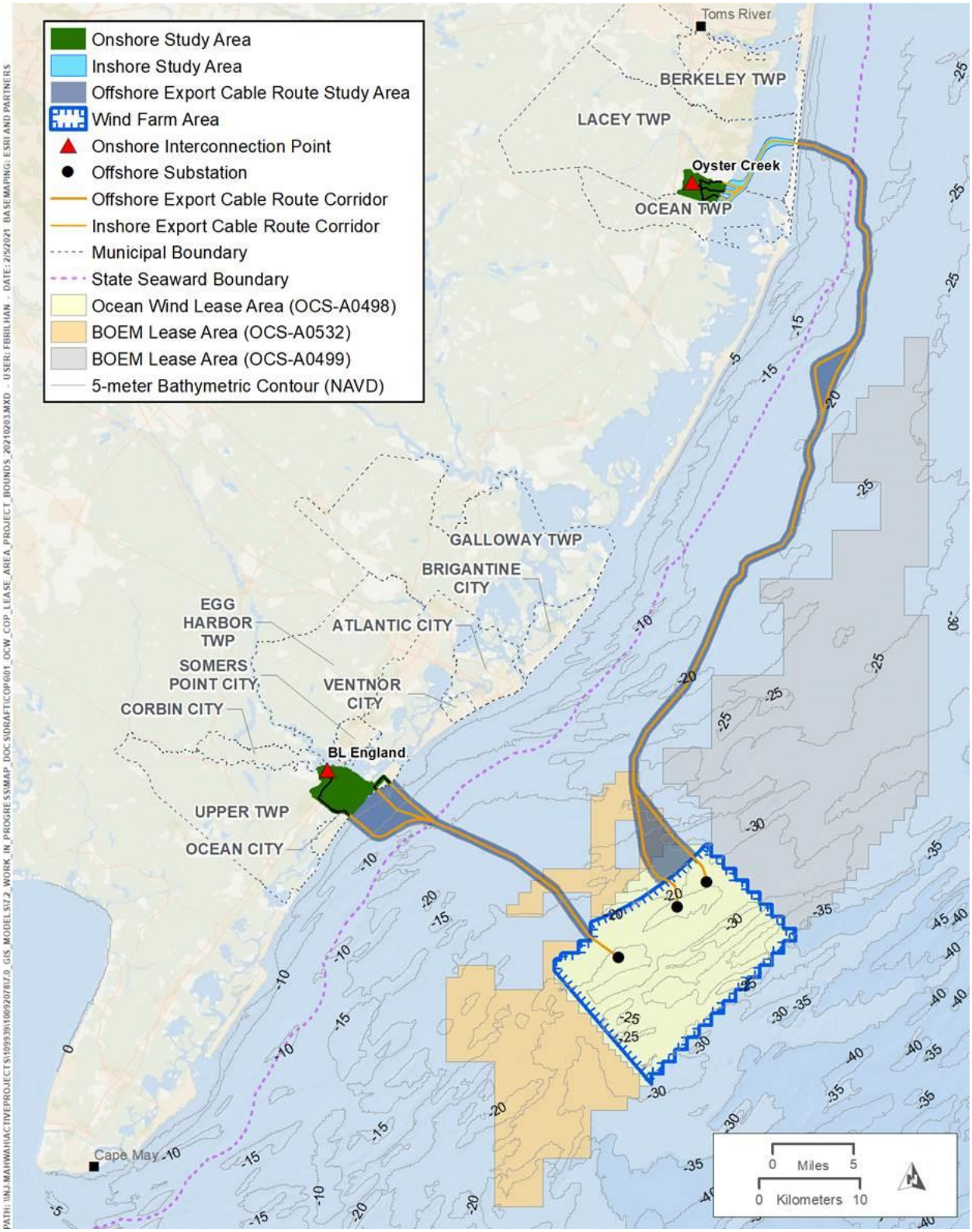

Figure 3: Ocean Wind

Beacon Wind Project

Logo  	**Company Name** Beacon Wind LLC
Map See Figure 4	**Project Name** Beacon Wind Project
Project Status Phase I of the Beacon Wind Project (BW 1) was selected as a winning bidder in New York's 2020 competitive solicitation for Offshore Wind Renewable Energy Credits for 1,230MW. BW1 proposes to interconnect to NYISO in Astoria, New York at an existing power complex. Equinor and bp entered into a 50-50 partnership for Beacon Wind, under which Equinor will maintain the role as operator for both the Beacon Wind and Empire Wind projects. Beacon Wind submitted a Site Assessment Plan to BOEM on December 8, 2020 and is awaiting feedback. Beacon proposes to deploy one floating LiDAR, 2 wave met buoys, and 2 current moorings in the Lease Area. Beacon Wind is actively conducting site characterization studies across the Lease Area and proposed export cable routes. Studies include high resolution geophysical survey, benthic habitat mapping, sediment sampling, aerial wildlife survey with high definition imagery. Results from these studies will be provided in the Construction and Operation Plan (COP), which is anticipated to be submitted in Q1, 2022.	**Project Description** Beacon Wind, LLC is developing Commercial Lease of Submerged Lands for Renewable Energy Development on the Outer Continental Shelf off the coast of Massachusetts OCS-A 0520. Lease Area OCS-A 0520 is approximately 20 miles (30.5 kilometers) southwest Nantucket, Massachusetts. The Lease Area is anticipated to be developed in two phases. BW 1 will connect to the electric grid in Astoria, New York, and BW 2 has not yet been subscribed. Together, BW 1 and BW 2 will produce over 2,000 megawatts of renewable energy, enough to power more than 1 million homes.
Point of Contact Scott Lundin, Director of Permitting – Beacon Wind sclu@equinor.com Elizabeth Marchetti, Fisheries Manager emarc@equinor.com Barker Farris, Tribal Liaison Tribal.Relations@aecom.com	**Project Next Steps** Beacon expects to submit a Construction and Operation Plan (COP) in Q1, 2022

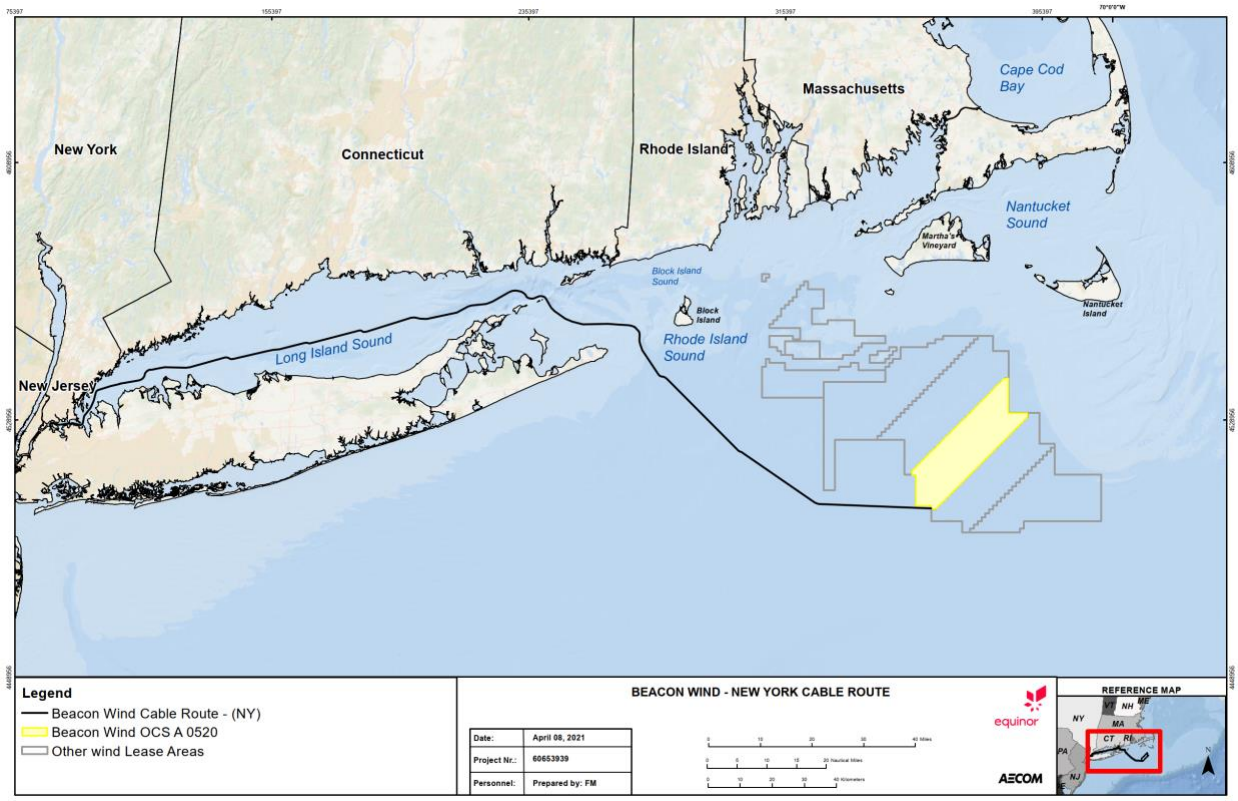

Figure 4: Beacon Wind Project

Atlantic Shores Project 1

Logo  	**Company Name** Atlantic Offshore Wind
Map See Figure 5	**Project Name** Atlantic Shores Project 1
Project Status Atlantic Shores acquired Lease OCS-A 0499 in December 2018 and secured interconnection positions in early 2019. Atlantic Shores submitted a Site Assessment Plan (SAP) in late 2019 and has conducted multiple geophysical and geotechnical survey campaigns, including the most recent surveys which began in March 2021. Atlantic Shores, in collaboration with MARACOOS and Rutgers University, launched a buoy outside our Lease Area, to collect metocean data which has been disseminated to the public since Q1 2020. Atlantic Shores submitted a bid into the second NJBPU solicitation in December 2020 and awaits the award decisions. The Atlantic Shores COP is also pending BOEM review.	**Project Description** Atlantic Shores Offshore Wind, LLC is a 50/50 partnership between Shell New Energies US LLC and EDF Renewables North America. The joint venture formed in December 2018 to co-develop a 183,353-acre Lease Area located approximately 10-20 miles off the New Jersey coast between Atlantic City and Barnegat Light. Atlantic Shores Offshore Wind is strategically positioned to meet the growing demands of renewable energy targets in New Jersey and beyond. Atlantic Shores, once fully developed, has the potential to generate over 3,000 MW of renewable wind energy – enough to power over one million homes. Together, Shell and EDF Renewables have the investment capability and industry experience to bring this project to scale safely, efficiently and cost effectively. For more info, go to www.atlanticshoreswind.com.
Point of Contact Development Director: Jennifer Daniels Jennifer.daniels@edf-re.com Development Manager: Doug Copeland doug.copeland@edf-re.com Permitting Manager: Paul Phifer paul.phifer@shell.com External Affairs Lead: Jessica Dealy jessica.dealy@edf-re.com NJ Permitting and Development Lead: Mike Garrity Michael.garrity@edf-re.com Commercial Fisheries Liaison Officer: Captain Kevin Wark kevinwark@comcast.net Recreational Fisheries Representative: Captain Adam Nowalsky captadamnj@gmail.com Atlantic County Liaison Officer: Ryan Tookes ryan.tookes1@gmail.com Ocean County Liaison Officer: Karen Hershey hershey@klhadvisory.com Monmouth County Liaison Officers: Mike Torpey torpey@gtbpartners.com and Rich Gannon gannon@gtbpartners.com	**Project Next Steps** Atlantic Shores will continue our third geophysical and geotechnical survey campaign through the fall of 2021. We recently received SAP approval which allows for the deployment of buoys within our Lease Area. The NJBPU is projected to make its award decision regarding the NJ Offshore Wind Solicitation in June 2021. Atlantic Shores will host our first open house virtually in July 2021.

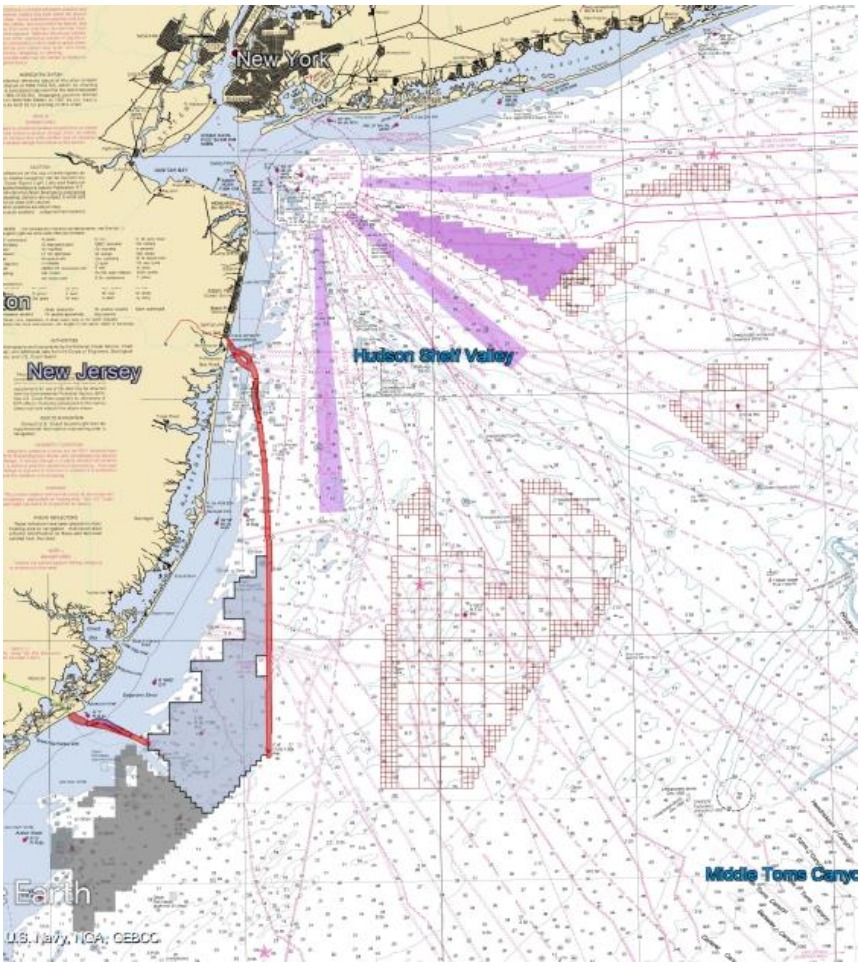

Figure 5: Atlantic Shores Project 1

Empire Wind

Logo  	**Company Name** Empire Offshore Wind LLC (Empire)
Map See Figure 6	**Project Name** Empire Wind (Empire Wind 1 and Empire Wind 2)
Project Status Empire submitted its Construction and Operations Plan (COP) to BOEM in January 2020. Since then, Empire has worked with BOEM, cooperating federal, state, and local agencies, Tribal officials, and other stakeholders to refine the COP. Through its dedicated public outreach program, Empire is able to work with and address concerns from various interests, including local communities, environmental groups, fishing communities, maritime groups, and recreational boating groups. Empire Wind 1 (EW 1) and Empire Wind 2 (EW 2) were selected as winning bids in New York's 2019 and 2020 competitive solicitations for Offshore Wind Renewable Energy Credits (ORECs), respectively. Empire has therefore designed EW 1 and EW 2 to provide clean energy to the State of New York, which will meet these obligations. In 2020, Equinor and bp entered into a 50-50 partnership for Empire Wind. Equinor will remain as the operator. Empire expects a Notice of Intent for the Project to be published this quarter (Q2 2021).	**Project Description** The Empire Wind Project will be located in Lease Area OCS-A 0512, approximately 14 statute miles (12 nautical miles) south of Long Island, New York and 19.5 mi (16.9 nm) east of Long Branch, New Jersey. The Lease Area will be developed in two phases. Empire Wind 1 will connect to the electric grid in Brooklyn, New York, and Empire Wind 2 will connect to the grid in Oceanside, New York. Together, EW 1 and EW 2 will produce over 2,000 megawatts of renewable energy, enough to power more than 1 million homes.
Point of Contact Julia Bovey, Director of External Affairs jbov@equinor.com Elizabeth Marchetti, Fisheries Manager emarc@equinor.com Barker Fariss, Tribal Liaison Tribal.Relations@aecom.com	**Project Next Steps** Empire expects that BOEM will publish a Notice of Intent to prepare an Environmental Impact Statement by the end of this quarter (Q2 2021). This process, in accordance with the National Environmental Policy Act (NEPA), will include public meetings and comment periods and will result in a Record of Decision from BOEM within two years of the NOI. Empire intends to begin onshore construction in 2023 and offshore construction in 2024. The Project will produce first power in 2025.

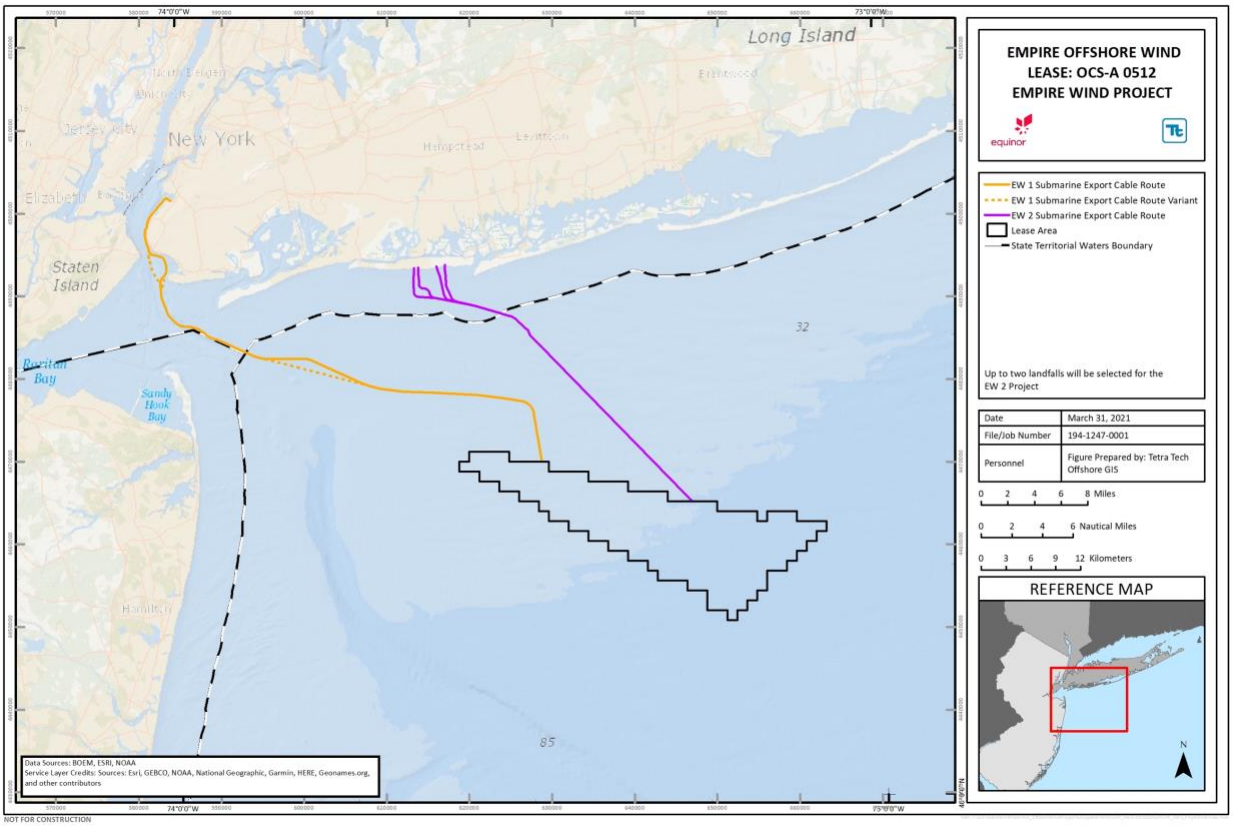

Figure 6: Empire Wind