

EMPIRE WIND 2 PROJECT
ARTICLE VII PROJECT TERMINOLOGY

Terminology	Description
Applicant	Empire Offshore Wind LLC.
cable	A cable consists of one or more cores, plus additional insulation, waterproofing, sheathing, and armor.
cable anchoring corridor	The area in which a submarine export cable installation vessel may anchor in support of installation activities in New York State waters.
cable route	The linear path/alignment of the cable corridor from the offshore Lease Area to the Point of Interconnection (POI), which may include multiple circuits.
cable system	The installed infrastructure including cables, safety markers, fiber optics, jointing pits, ducts and other similar installed materials.
circuit	A single high-voltage alternating-current (HVAC) circuit is typically composed of three electrical phases, with each phase electrically offset from the others by 120° to make the complete circuit. A circuit may consist of a bundled three-core cable or three single-core cables.
conductor	The metal (typically copper or aluminum) element through which the electrical power is transmitted.
Construction and Operations Plan (COP)	The Construction and Operations Plan for the Empire Offshore Wind LLC Lease Area OCS-A 0512 ¹ Empire Wind Project (EW 1 and EW 2), filed with the Bureau of Ocean Energy Management (BOEM) on January 10, 2020, and any revisions thereto.
core	A core consists of a single conductor and the components that surround it, which typically include insulation and protective sheathing.
Empire Wind 2 (EW 2) Project	The second of two separate offshore wind projects to be located within the BOEM-designated Renewable Energy Lease Area OCS-A 0512 (Lease Area). The EW 2 Project will be considered a single wind farm dedicated to the Oceanside POI at an expansion of the Barrett 138-kV Substation.
onshore export cables	HVAC cables connecting the transition bay at the cable landfall location to the onshore substation. The cable circuits consist of a single-core copper or aluminum conductor. Fiber optic cables for communication and monitoring will also be installed alongside the onshore export cables.

¹ On December 15-16, 2016, the lease sale for an area offshore New York, or the “New York Lease Area” was held by BOEM, pursuant to 30 CFR § 585.211. Statoil Wind US LLC was the winner of Lease Area OCS-A 0512. Statoil Wind US LLC changed its name to Equinor Wind US LLC on May 16, 2018. Equinor Wind US LLC assigned the Lease to Empire Offshore Wind LLC on January 27, 2021 in accordance with BOEM’s requirements. References to Empire generally include or also refer to the predecessor in interest to Lease OCS-A 0512, Equinor Wind US LLC, except where specifically noted.

Terminology	Description
interconnection cables	HVAC cables connecting the onshore substation to the POI. The cable circuits consist of a single-core copper or aluminum conductor.
interconnection cable corridor	The corridor that will contain the interconnection cables and the additional area required for installation of the interconnection cables.
landfall (cable landfall)	Area where the submarine export cables are brought onshore.
Lease	Commercial Lease of Submerged Lands for Renewable Energy Development on the Outer Continental Shelf (OCS-A 0512).
Lease Area	BOEM-designated Renewable Energy Lease Area OCS-A 0512.
life span or EW 2 Project life span	Construction, commissioning, operation and decommissioning of the EW 2 Project. The commercial lifespan of the EW 2 Project is expected to be 35 years, based on the design life of the Project components. Consistent with BOEM's regulations and applicable guidance, Empire intends to pursue a 35-year Operations Term for the EW 2 Project at the appropriate time.
Long Island Power Authority (LIPA)	The entity that owns the electric transmission and distribution system on Long Island and the Barrett 138-kV Substation.
NY Independent System Operator, Inc. (NYISO)	The transmission provider in the New York Control Area.
offshore electrical system	The offshore electrical system includes each individual wind turbine generator, the interarray cables, the offshore substation, and the submarine export cables.
onshore cable route	The entire cable route from the landfall location to the POI, which includes both the onshore export cables to the onshore substation and the interconnection cables from the onshore substation to the POI.
onshore export cable corridor	The corridor that will contain the onshore export cables and the additional area required for installation of the onshore export cables.
onshore substation	The buildings and equipment that will be used to step up the power from 230-kV to 345-kV for the interconnection cables, regulate the power from the offshore wind farm, and facilitate interconnection to the existing transmission system at the POI.
Point of Interconnection (POI)	Location where the EW 2 Project interconnects into the New York State Transmission System operated by the NYISO at an expansion of the Barrett 138-kV Substation in Oceanside, New York.
NY Project	The portion of the EW 2 Project within New York State jurisdictional boundaries and subject to Article VII of the New York Public Service Law.
NY Project Area	The area associated with the NY Project, including the submarine export cable corridor, onshore export cable corridor, interconnection cable corridor, and onshore substation facilities within New York State jurisdiction.
PSEG Long Island (PSEG-LI)	The utility that operates the Barrett 138-kV Substation.

Terminology	Description
submarine export cable corridor or submarine export cable siting corridor	The area in which the submarine export cables will be installed; the submarine export cables may be sited anywhere within this corridor.
submarine export cables	The cables from the offshore substation in federal waters to the cable landfall.