ANBARIC DEVELOPMENT PARTNERS, LLC

JUNO POWER EXPRESS

(Case 22-T-0157)

EXHIBIT E-1

DESCRIPTION OF PROPOSED TRANSMISSION LINE

Prepared Pursuant to 16 NYCRR § 88.3

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ACRONYMS

HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
kV	Kilovolt
LIPA	Long Island Power Authority
MW	Megawatt
NM	Nautical Miles
NYISO	New York Independent System Operator's
OCP	Offshore Collection Platforms
OCS	Outer Continental Shelf
Project	Juno Power Express Project
ROW	Right-of-way
XLPE	Cross-Linked Polyethylene

EXHIBIT E-1: DESCRIPTION OF PROPOSED TRANSMISSION LINE

The Juno Power Express Project (Project) is a proposed transmission system that will import power produced by an offshore wind generator expected to construct offshore wind facilities in areas leased in Federal waters of the Atlantic Ocean into the transmission system of the Long Island Power Authority (LIPA) within New York Independent System Operator's (NYISO) Zone K of the New York Control Area. The Facility consists of the New York State portion of the Project. The Project's points of interconnection will be one or more Offshore Collection Platforms (OCP) located in Federal waters and LIPA's 138 kilovolt (kV) Ruland Road Substation in the Hamlet of Melville Town of Huntington, Suffolk County, New York.

The Project will provide a 1,200-megawatt (MW) High Voltage Direct Current (HVDC) electric transmission cable that allows an offshore wind generator (by others) to connect to the New York Transmission System via the existing LIPA Ruland Road Substation in the Town of Huntington, Suffolk County, New York. The HVDC operating voltage of the Facility will be up to ±525 kV HVDC. The final HVDC operating voltage will be determined as part of the final design.

The Facility will consist of the following elements:

- Approximately 7.7 miles (6.7 nautical miles [NM]) of HVDC submarine cable and an associated submarine fiber optic cable, (collectively, "Submarine Cable System") buried within New York State waters in the seabed of the New York Bight with Landfall at Jones Beach State Park on Long Island in New York (Figure 2-1 and 2-2) extending from offshore wind lease areas in Federal waters on the Outer Continental Shelf (OCS).
- Approximately 17.9 miles of HVDC underground cable with associated fiber optic cable ("HVDC Land Cable") linking the Submarine Cable System to the Facility's Converter Station located on Ruland Road. The Submarine Cable System and HVDC Land Cable are collectively referred to as the "HVDC Cable System."
- Approximately 0.6 miles of High Voltage Alternating Current (HVAC) Land Cable with the associated fiber optic cables, connecting the Converter Station to the Ruland Road Substation point of interconnection. The HVAC Land Cable will consist of a Cross-Linked Polyethylene (XLPE) insulated, 345 kV circuit buried within the Ruland Road right-of-way (ROW) and parallels the existing transmission ROW into the Substation.

The details of the design and installation of the HVDC Cable System and the HVAC Land Cable are presented in Exhibit E-3 – Underground Construction.