JUNO

POWER EXPRESS

May 2023

ANBARIC

Scaling Renewable Energy

Case Number: Case 22-T-0157

Who We Are

About Anbaric

Anbaric is scaling renewable energy across North America.

We are a US based company specializing in the development of large-scale electric transmission and storage systems to **bring renewable energy to markets and strengthen the grid.**

Our transmission expertise includes the design and development of shared, open-access transmission systems, as well as onshore upgrades to unlock renewables and **build a grid to meet the challenges of the clean energy transition.**

Our Projects

HUDSON TRANSMISSION PROJECT

A 660 MW underwater and underground electric transmission link between NYC and New Jersey providing power to New York City customers of the New York Power Authority.

NEPTUNE REGIONAL TRANSMISSION

An undersea and underground power cable linking New Jersey to New York to provide 660 MW of power to Long Island–enough for 600,000 homes.

SOUTHCOAST WIND

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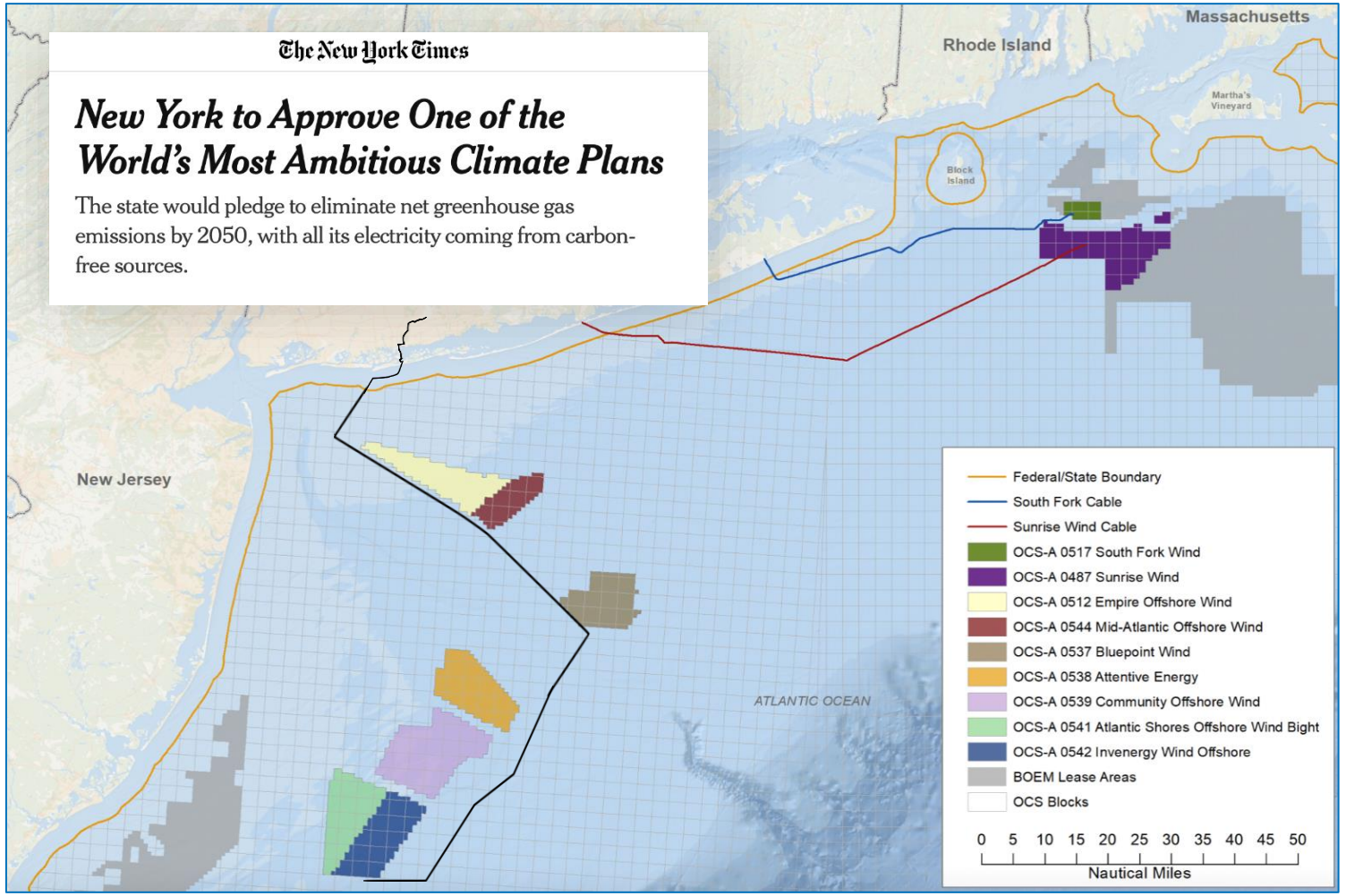
A 400 MW offshore wind project that will bring clean offshore wind energy from its federal lease area to Brayton Point in Somerset, Massachusetts, laying the foundation for the broad repowering of the former site of New England's largest coal plant.

Offshore Wind in New York

New York has an ambitious offshore wind energy goal of 9 GW by 2035, with proposed legislation to increase the target to 15 GW.

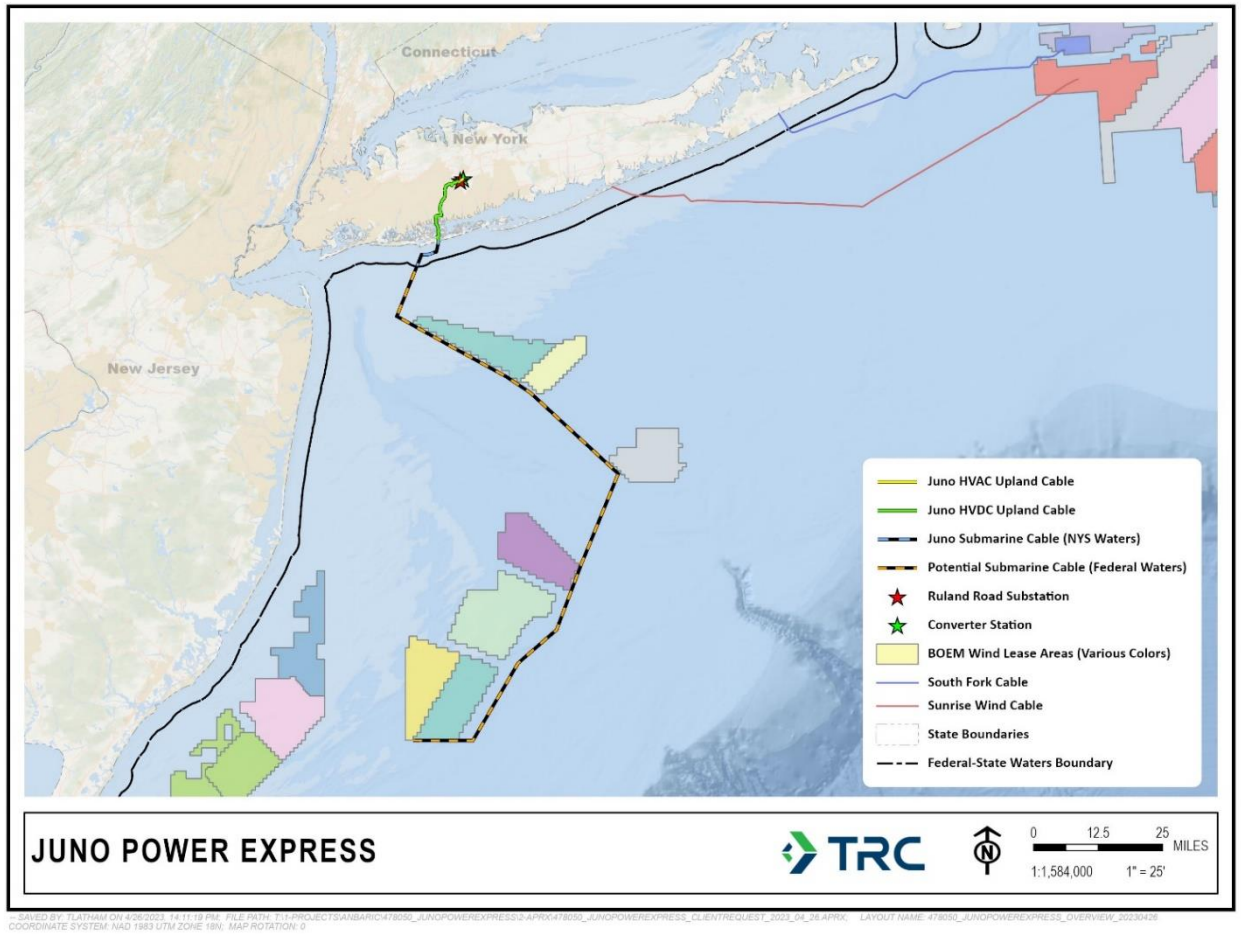
- Enough to power *6 million* homes annually
- The electricity grid will require major upgrades, both onshore and offshore, to achieve the state's goal of 9 GW by 2035
- Broader infrastructure improvements, like Juno Power Express, will deliver offshore wind power efficiently, reliably, and affordably



Juno Project Overview

With roots in the American Mid-Atlantic, the Anbaric team understands that Long Island's communities and environment must be protected and prioritized.

- We are proposing a sensible transmission project to ensure Long Islanders receive the benefits of offshore wind power with the smallest possible impact
- Juno Power Express is a combined marine and land-based transmission system from offshore wind energy lease areas off the coast of Long Island and New York
  - The overall route on Long Island is 17.9 miles from marine landing in Jones Beach north to the Ruland Road Converter Station in Melville, NY
    - 7.4 miles of marine cable
- Juno will **power 600,000 homes and businesses**



Juno Project Overview

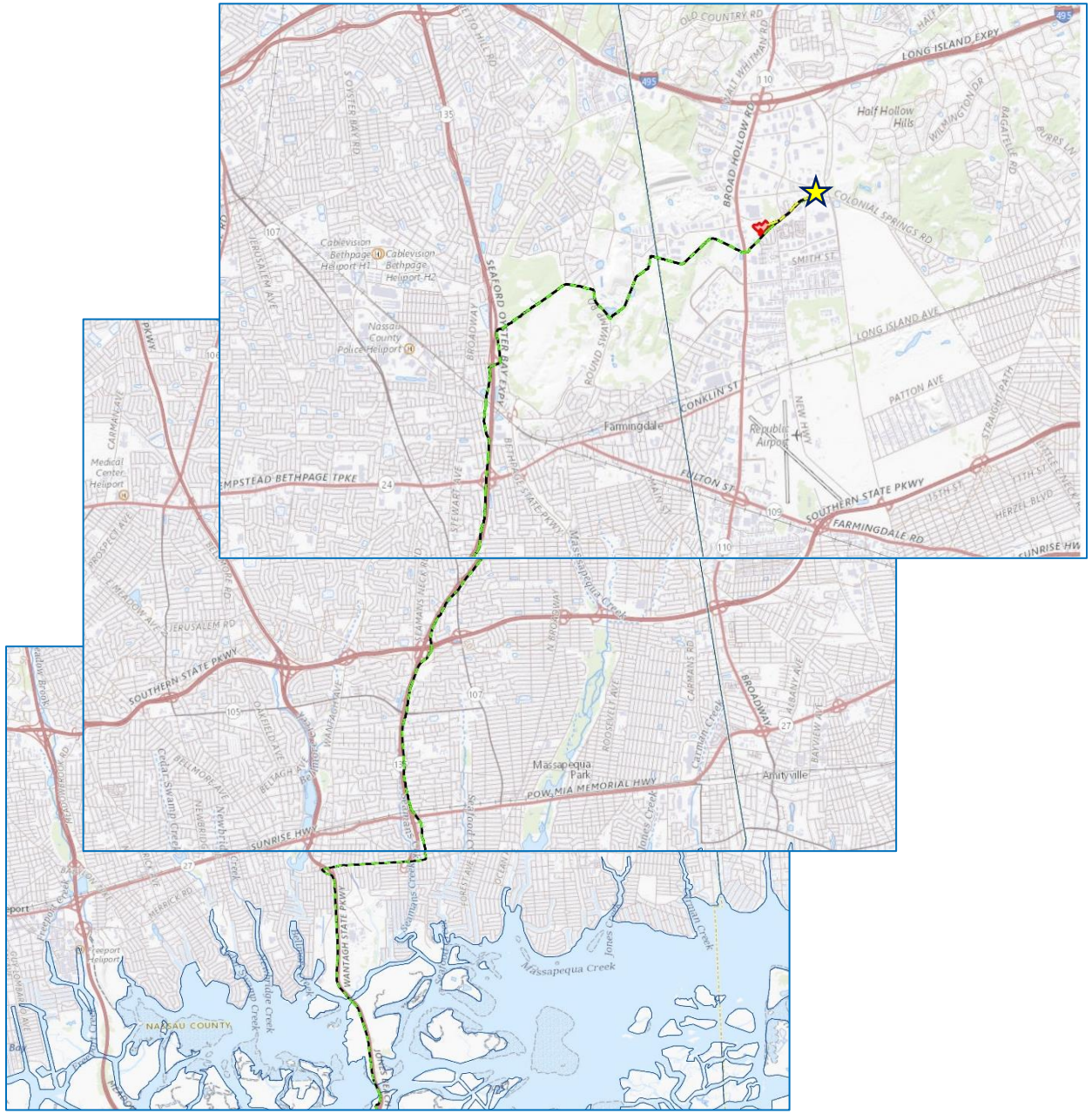
Anbaric has been developing this project for years with the assistance of Hallen Construction – a local company with a long-term record of successful, union-built infrastructure projects on Long Island.

Location

- The LIPA Ruland Road 138 kV substation, located on the Rt. 110 Corridor, is a strategic point of interconnection for offshore wind in the heart of Long Island
- The converter station will be **located at 135 Ruland Rd** – across from the Amazon/former Newsday office – an area with existing commercial, industrial, and residential uses

Environmentally-Neutral Technology

- Project uses High Voltage Direct Current (HVDC), **the most efficient means of safely transmitting energy**
- The HVDC energy will be converted to AC energy at a converter station located on Ruland Road for delivery to the Ruland Road substation



More detailed maps available at:
https://anbaric.com/juno-power-express/

Development & Permitting

Anbaric seeks a New York State permit for an onshore route that will connect future offshore wind projects to shore.

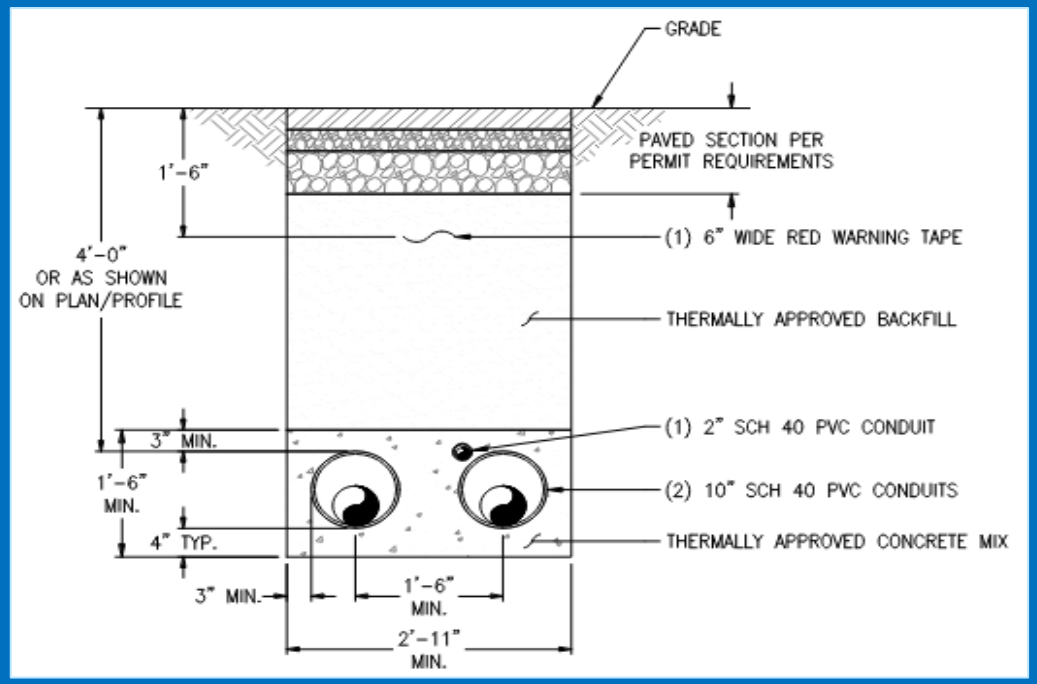
- The line and location has been **extensively researched for renewable energy sources**
- This route will have **zero visual impact** as it is underground and will have a lower environmental impact
- The project will ensure that the offshore wind power is transmitted to the most strategic Point of Interconnection on Long Island, **creating efficiency and reliability benefits**

Permitting

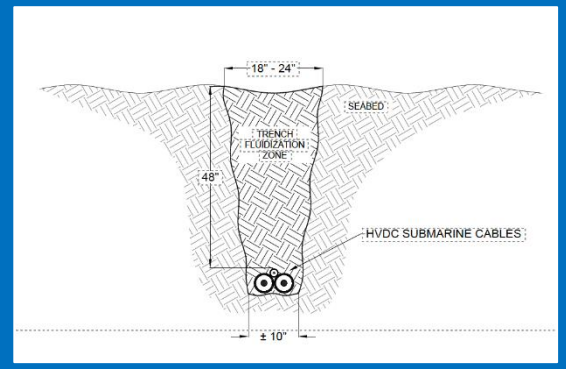
- Anbaric's request for a 1200 MW interconnection is proceeding through the NYISO process
- At 1200 MW, the **Juno Power Express is an efficient and less impactful** method for delivering OSW power than alternatives proposed by others
- Under Article VII, the NYPSC reviews all Project impacts on the human and natural environments
  - Our application was reviewed and deemed complete
- Certificate granted only after PSC finds all **potential impacts have been avoided or minimized to the greatest extent**

Juno Cable System

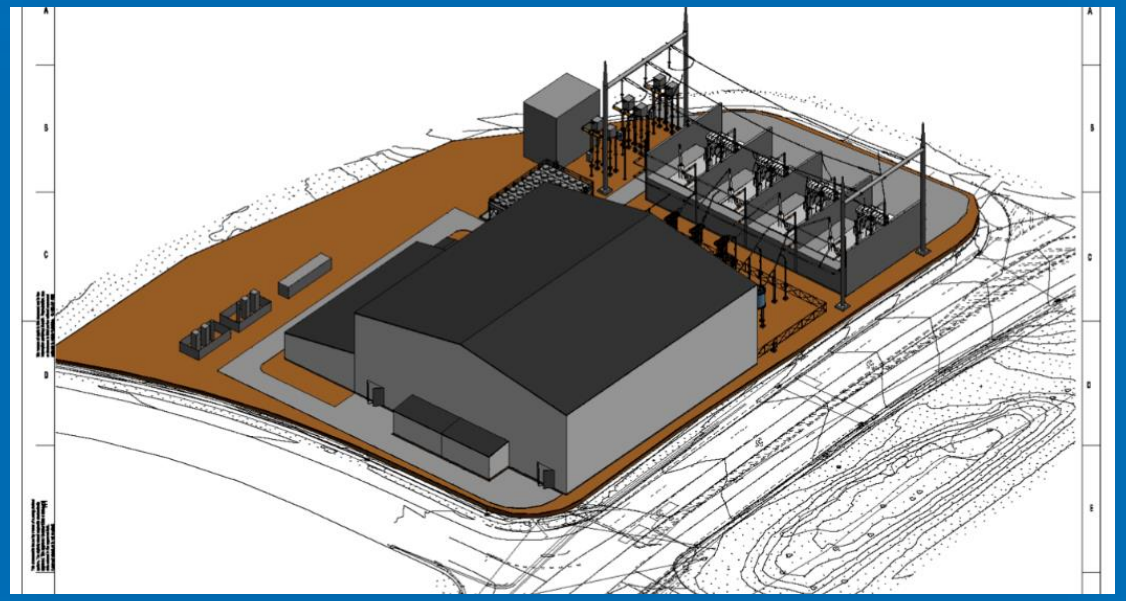
- Cable system is **completely underground**, meaning there will be zero visual impact
  - **There will be zero air, water, or sound emissions**
- Cable is solid dielectric with no insulating fluids, **completely environmentally safe**
  - **HVDC Cable Diameter:** 122mm or 4.8 inches
  - **Conduit Diameter:** 10 inches
  - **Trench Design and protection Systems:** thermally approved concrete and thermally approved backfill
- Following construction, Anbaric will restore affected roads and land cable route to pre-constructed condition, or better



Onshore installation



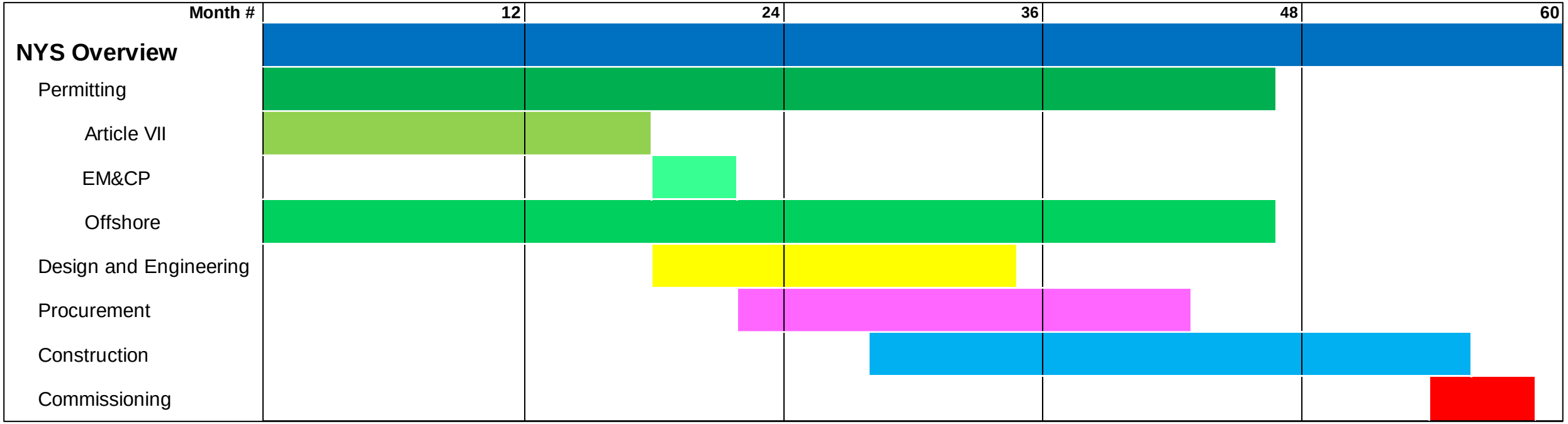
Offshore installation
Source: Exhibit E-3, p. 22



Juno HVDC Converter Station

- The converter station converts HVDC to AC for the LIPA Transmission system to receive OSW energy
- Converter Station will be a LEED certified, **net-zero carbon emissions building**
- **Minimal impact on community infrastructure and resources:**
  - Small footprint occupying only 3.2 acres of land
  - Water utilized for sanitary purposes only
  - Zero emissions
  - The facility is remotely operated and will have no impact on traffic
  - Meets local sound standards
  - Juno meets New York's strict EMF standards

Schedule


Month #
12
24
36
48
60
NYS Overview
Permitting
Article VII
EM&CP
Offshore
Design and Engineering
Procurement
Construction
Commissioning

Juno Project Benefits

FLEXIBLE INFRASTRUCTURE BENEFITS

- Proven HVDC technology, enabling fewer cables and minimizing environmental impact
- Operational flexibility
- Enhanced grid reliability
- Built-in anticipation of New York's offshore wind goals

VALUE TO LONG ISLAND

- Safe, clean renewable power
- Lasting electrical infrastructure improvements to the Long Island grid
- Converter station will be LEED (Leadership in Energy and Environmental Design) certified on a 3.2-acre parcel
- Anbaric is an American company with a commitment to partner with local stakeholders and organized labor for project development
  - This route is derived from local knowledge and experience
- Reduces emissions from local power plants

Our Commitments

Partner

with our communities to improve grid reliability and resiliency, all while reducing ratepayer costs. We are 100% committed to partnering with our friends in labor to create good-paying jobs across New York.

Deliver

clean energy in a safe, affordable, and equitable manner.

Protect

our environment and minimize the impact of transmission development on local communities.

THANK YOU

FOR MORE INFORMATION PLEASE VISIT:
https://anbaric.com/juno-power-express/