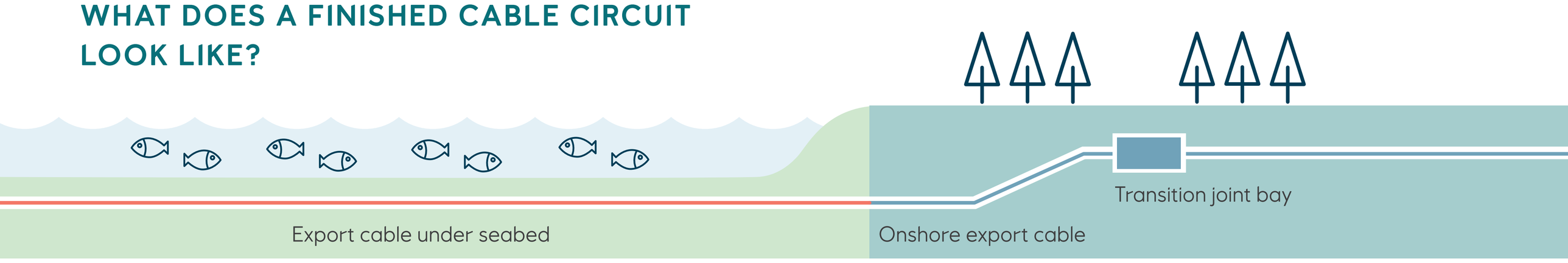
EMPIRE WIND

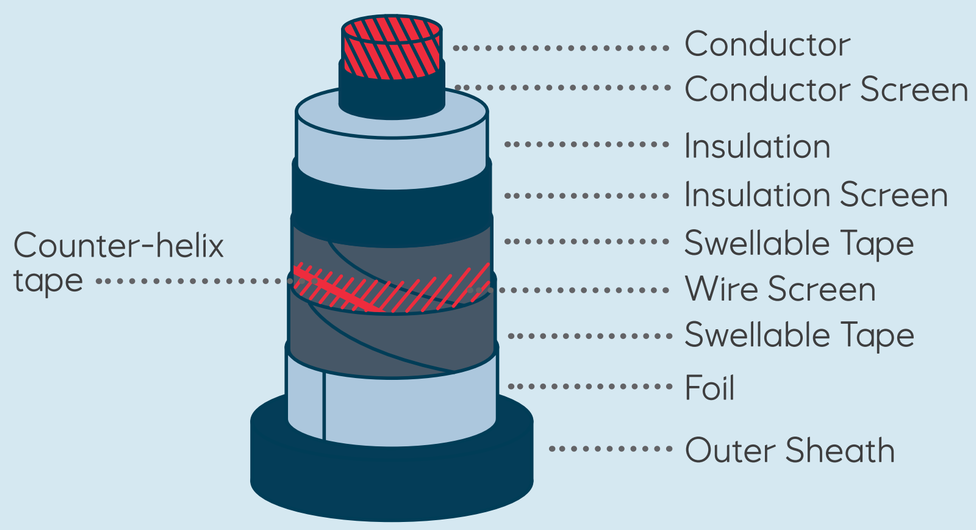
What Happens Onshore?

While the clean energy from Empire Wind 2 is generated far offshore, it needs to be brought onshore through submarine cables under the seabed, and buried land cables.

To avoid disturbances to the beach during construction, the cables will be brought to shore underground using horizontal directional drilling (HDD) technology.

WHAT DOES A FINISHED CABLE CIRCUIT LOOK LIKE?

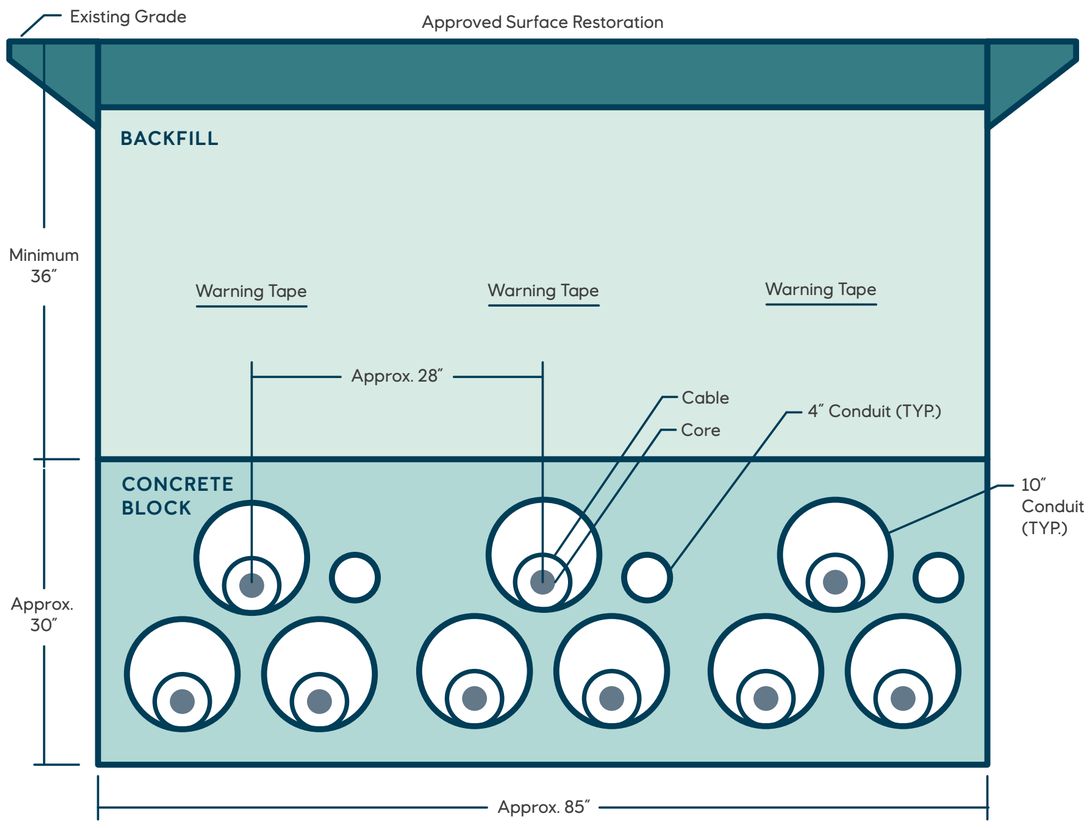




THE CABLES USED ONSHORE ARE DESIGNED FOR MAXIMUM SAFETY AND DURABILITY.

- **Conductor:** Carries the current from one point to another.
- **Conductor Screen, Insulation & Insulation Screen:** Insulates the conductor to keep the current contained.
- **Swellable Tape:** Adds another layer of protection should the outer layer be damaged.
- **Metallic Screen:** Nullifies electric fields around the conductor and provides an earthing path for the induced and fault currents.
- **Foil:** Helps prevent water penetration within the cable.
- **Outer Sheath:** Protects the cable against the surrounding environment.

THE ONSHORE CABLES WILL BE BURIED UNDERGROUND:



Once the installation process is complete, the cables will be buried and unnoticeable, like any other utility infrastructure installed underground.

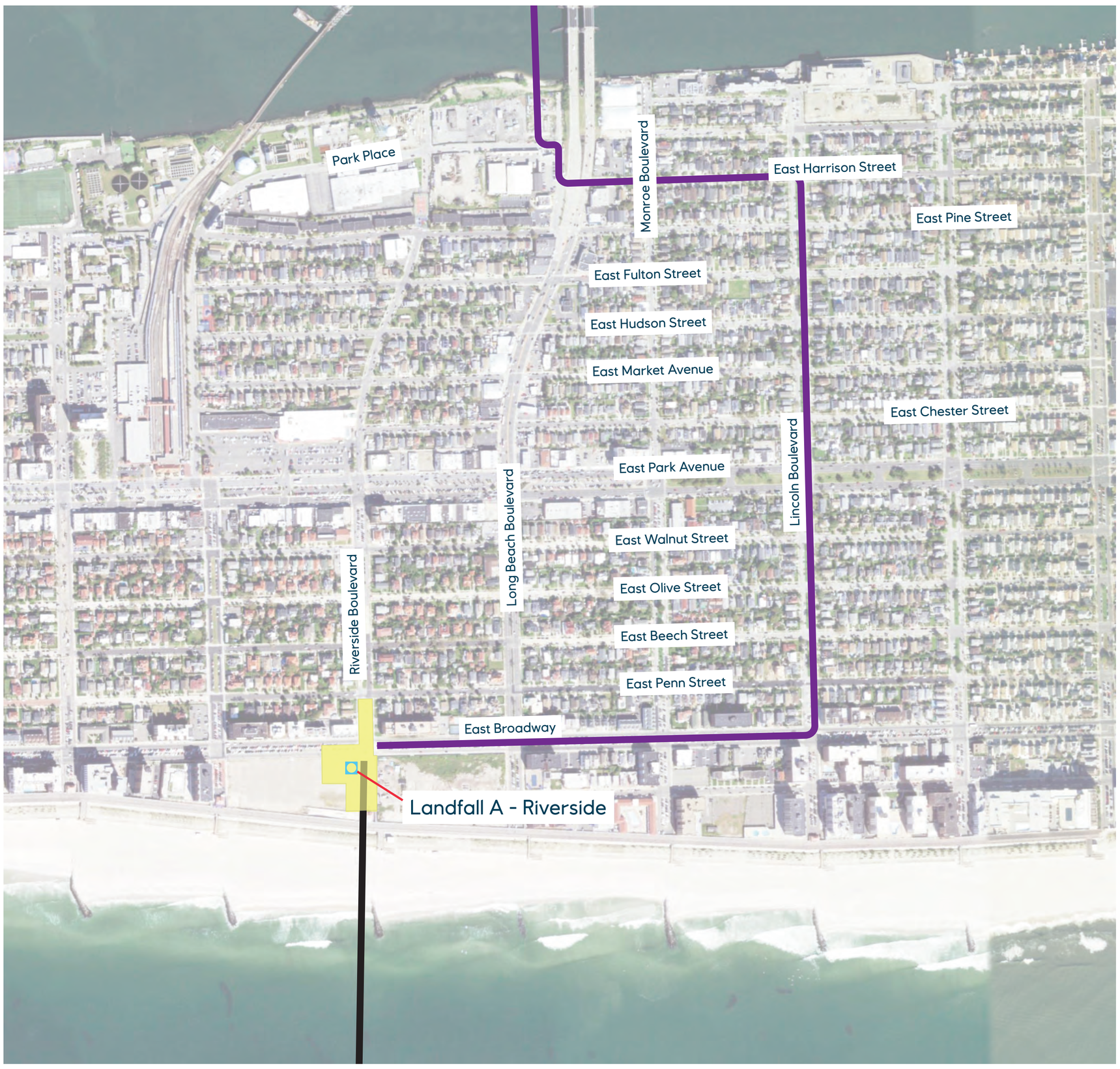
EMPIRE WIND

Proposed Cable Route

Long Beach

- Underwater export cables from Empire Wind 2 will be installed using horizontal direction drilling to avoid impact to the shorefront
- Multiple routes have been evaluated; the base route shown is being recommended following early routing studies
- Onshore transmission cables will run from landfall to a point of interconnection (POI) in Oceanside
- The cables will be primarily buried underground

Below is the project's preferred cable route, are there any community landmarks or areas that matter to you that the project should be aware of? Add a sticky note.



EMPIRE WIND 2 - OFFSHORE WIND PROJECT

Legend

- Onshore Export Cable Route
- Submarine Export Cable Route
- Proposed Landfall
- Cable Landfall

Data Sources: ESRI, USGS, OpenStreetMap

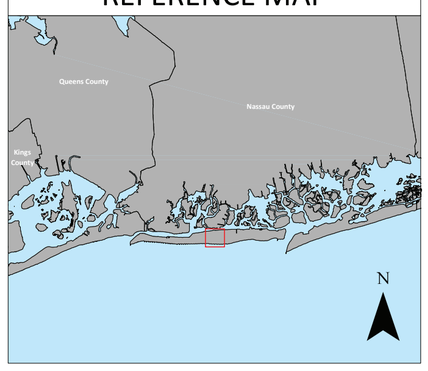
Date	September 28, 2022
Scale	1:2,000 (1 in = 166 ft)
Coordinate System	UTM Zone 18N NAD83 (2011)
Personnel	Figure Prepared by: Tetra Tech Offshore GIS

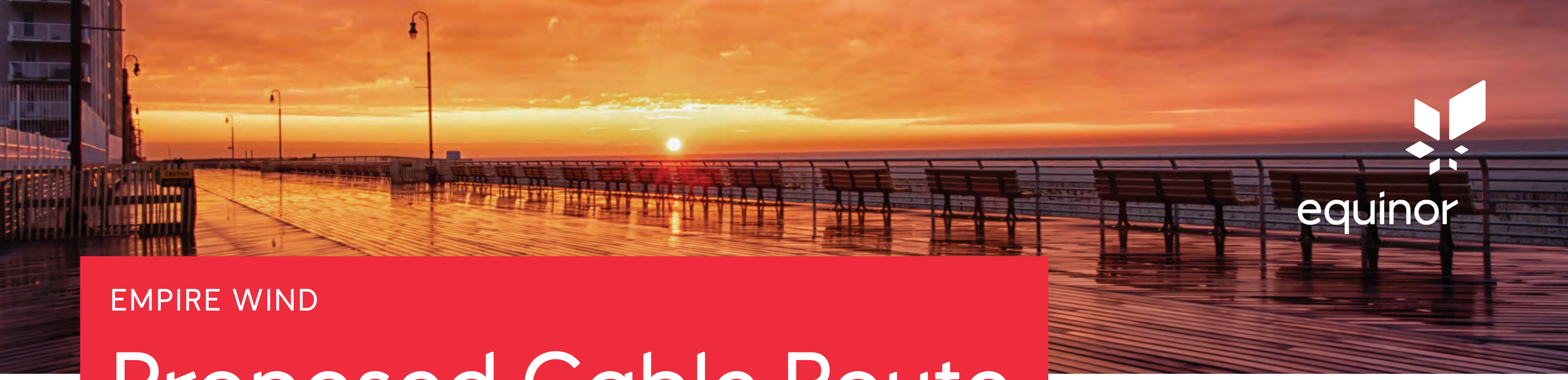
0 0.1 0.2 Miles

0 0.05 0.1 0.15 Nautical Miles

0 0.1 0.2 0.3 Kilometers

REFERENCE MAP





EMPIRE WIND

Proposed Cable Route

Island Park

- Underwater export cables from Empire Wind 2 will be installed using horizontal direction drilling to avoid impact to the shorefront
- Multiple routes have been evaluated; the base route shown is being recommended following early routing studies
- Onshore transmission cables will run from landfall to a point of interconnection (POI) in Oceanside
- The cables will be primarily buried underground

Below is the project's preferred cable route, are there any community landmarks or areas that matter to you that the project should be aware of? Add a sticky note.

EMPIRE WIND 2 - OFFSHORE WIND PROJECT

Legend

- POI
- Onshore Interconnection Cable Route
- Onshore Substation
- Onshore Export Cable Route

Data Sources: ESRI, USGS, OpenStreetMap

Date	September 28, 2022
Scale	1:3,200 (1 in = 266 ft)
Coordinate System	UTM Zone 18N NAD83 (2011)
Personnel	Figure Prepared by: Tetra Tech Offshore GIS

0 0.1 0.2 0.3 Miles

0 0.05 0.1 0.15 0.2 0.25 Nautical Miles

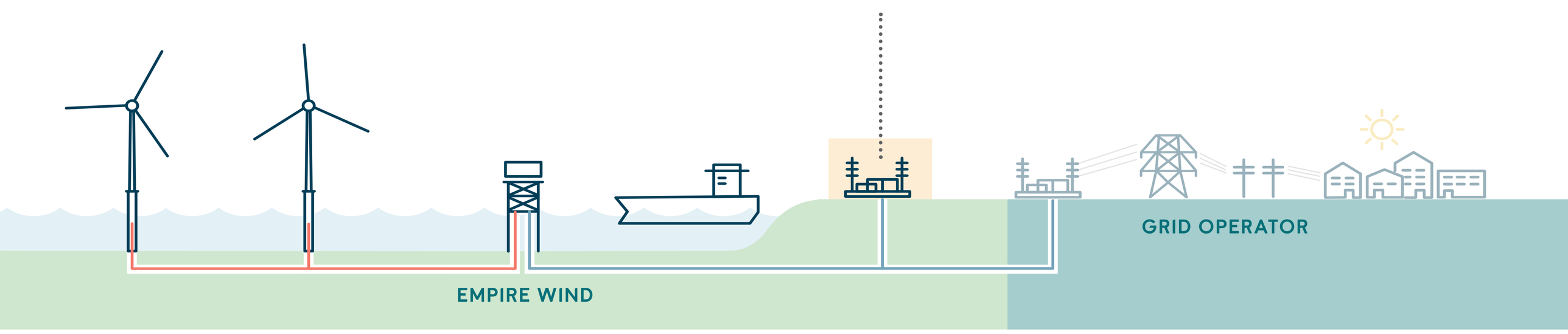
0 0.1 0.2 0.3 0.4 0.5 Kilometers

REFERENCE MAP

EMPIRE WIND

Onshore Substation Construction & Operation

Onshore substations are a critical step in channeling the clean energy generated by our offshore wind turbines into homes and businesses.



Substation Design

The Empire Wind 2 team is **early in the substation design process** and is interested in engaging with the community to collect input.

In these early days, our team is working to ensure that the substation for this project has the least possible impact on the community.

The substation's layout and design **will continue to be refined** through the permitting and siting process with the New York Public Service Commission (PSC).

Substation Construction

Construction and commissioning of the substation, including initial site preparation work, will be completed in approximately **two to three years.**

Sound level mitigation, alongside other impacts from construction, is always taken into consideration. The highest sound levels during construction, caused by pile driving, will be temporary, short-term, decrease with distance, and planned to take place during daytime hours.