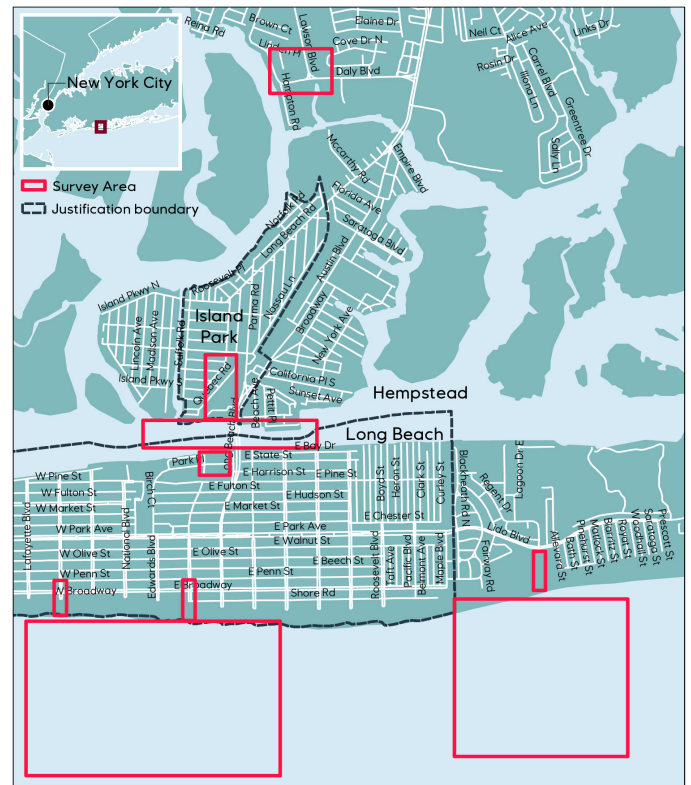


Survey Work

City of Long Beach, Town of Hempstead, and Village of Island Park

Equinor is performing surveys off the coast of Lido Beach, Long Beach, in Reynolds Channel, and onshore in the surrounding area beginning in mid-December 2021 through March 2022. These surveys support Equinor’s Empire Wind project, which will bring renewable offshore wind energy to New York State. The surveys will assess the seabed and potential landfalls for laying export cables that carry the renewable power from offshore wind turbines to the electrical grid. Equinor’s subcontractor Mott MacDonald, a global engineering, management and development firm, will conduct the surveying campaign.

Equinor’s top priority is safety, and all survey activities are performed in accordance with federal and state permits and health and safety policies and procedures. Once completed, Empire Wind phase 1 and 2 will bring 816 MW and 1,260 MW, respectively, of clean energy to New York enough to power around 1 million homes. Empire Wind is expected to begin generating power in the mid-2020s.



What information do the surveys gather?

The surveys assess the conditions of the seabed and potential landfalls prior to laying the electrical cables. Information gathered includes:

- ▶ Soil strength
- ▶ Composition
- ▶ Other characteristics that help planners develop a safe and environmentally-sensitive project

When is the surveying starting and for how long?

In-water geophysical seismic surveying by M/V Yeti in Reynolds Channel took place in mid-December 2021. The geophysical seismic surveying by the M/V Yeti and M/V Bella Marie will continue through January of 2022 and is estimated to last about 4 weeks (weather permitting). The surveying will take place during an 8-hour day shift. The geotechnical surveying by the RAM VII/XV and Smokey are anticipated to start in January 2022. The surveying will occur in 12-hour shifts during the day for two to three months (weather permitting). Onshore surveying is anticipated to start mid-January and is estimated to be completed in 2 months (weather permitting) during an 8-hour day shift.

Where is the offshore surveying taking place?

Most surveying will take place offshore of Lido Beach and Long Beach, from approximately 1/10 of a mile to half a mile from shore. The RAM XII or XV will be visible near Lido Beach and Long Beach. The Smokey will be deployed in Reynolds Channel.

How is the surveying conducted?



M/V Bella Marie of S.T. Hudson Engineers Inc



M/V Yeti of S.T. Hudson Engineers Inc.



Example of a Typical Rig



Example of Jack-Up Barge:
RAM VII of Aries Marine Corp.



Barbara Miller



Smokey

Five vessels will survey the area. The M/V Yeti and M/V Bella Marie of S.T. Hudson Engineers, Inc. will conduct in-water geophysical seismic surveying. Effectively, a sound wave generating device is used to transmit a sound wave, while receiving devices measure the amplitude and arrival times of the returned signals to measure soil and rock composition and depth. Authorized by a Joint Permit from US Army Corps, NYS Dept. of State and NYS Dept. of Environmental Conservation, a Jack-up Barge (*RAM XV* or *RAM XII*), and a small lift boat (*Smokey*), will conduct geotechnical surveying. The *Barbara Miller* will serve as a crew supply boat to convey personnel between shore and the Jack-Up Barge. The surveys will collect data about the physical properties of the rock and soil that lies under the water. The survey work offshore Long Island will be done in parallel with onshore surveying in select areas and will use a rig as pictured above.

Will surveying impact any recreational activities or access to the area?

The vessels will conduct activities nearshore south of portions of Long Beach and Lido Beach for a temporary period. Some of the vessels will be surveying quite close to shore, so please keep a safe distance. We understand there are many important stakeholders including surfers and fishermen in local waters and we appreciate your flexibility as we get New York State to its clean energy goal! Onshore surveying will be done in public rights of way with approval from local municipalities and land owners.

What can you anticipate hearing or seeing when you look out?

Some lights may be visible at night along Lido Beach, Long Beach, and in Reynolds Channel. There may be some very slight audible noises surveying.

Who should you contact if you have questions?

If you have any questions please contact Ana Fisyak, Community Engagement Manager, Equinor at afis@equinor.com.