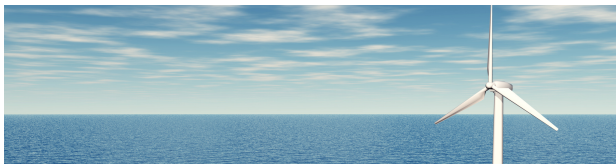




New York's Regional Offshore Wind Impacts : New York City



New York's offshore wind developers, manufacturers, unions, port operators, neighborhood advocates, and state policymakers are determined and committed to put people and communities first, on and off the coast, working together, as partners to create opportunities that power our future. New York, with the largest offshore wind pipeline in the United States, intends to build 9 gigawatts of offshore wind capacity by 2035, or enough to meet about 30 percent of the state's total electricity needs of millions of households.[i]



New York City

With rising sea levels and extreme weather events caused by climate, the offshore wind industry is a once in a generation opportunity to create good paying job and improve our local environment and communities. New York City is the perfect staging ground for offshore wind and the growing offshore wind industry has an important role to play in the City's move to clean energy over the coming decades. Complementing New York State's renewable energy commitments, **NYC is also committed to 100-percent clean electricity by 2040 and carbon neutrality by 2050**, offshore wind is a vital part of supplying clean energy to its residents.

The offshore wind developers are committed to working with civic leaders towards an equitable distribution of the economic benefits of offshore wind development across communities, consumers, and workers in New York City. Through public / private partnerships, consideration effort is being made to attract a domestic supply chain to New York City, and to train the next generation of offshore wind workers required here.

Ports and Economic Development

South Brooklyn Marine Terminal (SBMT)

SBMT, in Sunset Park, near Industry City and Red Hook, Brooklyn, will transform the terminal into one of the largest dedicated offshore wind port facilities in the nation at approximately 73 acres, with the capacity to accommodate wind turbine generator staging and assembly activities at the scale required by component manufacturers.

Specifically, SBMT terminal will serve as a Staging & Assembly, Operations & Maintenance hub for Beacon Wind and Empire Wind I and 2 -- Equinor Wind's New York offshore wind farms.

To reach this potential to be one of the largest offshore wind port facilities in the U.S., Equinor, its partner – bp – and Sustainable South Brooklyn Marine Terminal, L.P. (SSBMT) will upgrade and build out the terminal with heavy lift platforms built on the 39th Street Pier for wind turbine staging and installation for Equinor and other offshore wind developers. The Port will be a power interconnection station site for Empire Wind 1.



Artistic rendering of concept for site development of the South Brooklyn Marine Terminal (not final). Provided by Equinor [v]

Significant financial commitments have already been made to SBMT:

- The city has committed **\$191 million**— including **\$57 million** in support of SBMT and **\$134 million** in new investments.[iii]
- More **than \$287 million commitment from New York State** for an offshore wind staging and assembly facility at SBMT.[iv]
- **\$25 million federal grant** was secured by Senate Majority Leader Chuck Schumer

(D-NY) from the Maritime Administration via its 2021 Port Infrastructure Development Grants for the “SBMT 35th Street Pier Expansion Project” at Sunset Park to add barge berth and a heavy-lift crane pad.

Staten Island

While not as far along in its development, Staten Island, unencumbered by the Verrazano Bridge, remains an important opportunity for port development and offshore wind manufacturing for New York City and the region with two potential development sites in the queue.

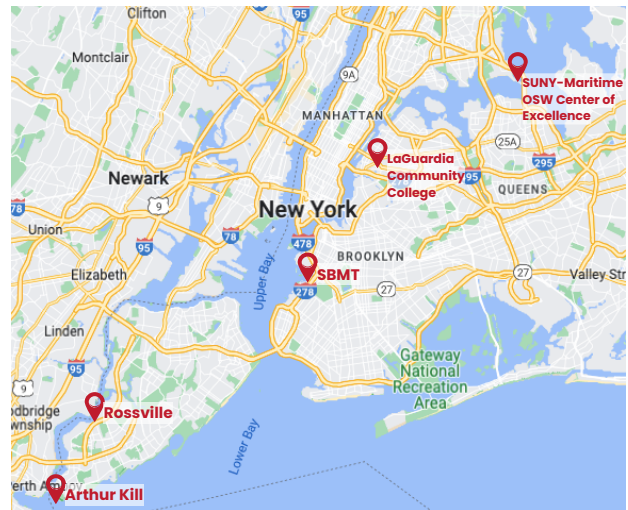
Rossville may soon be the latest hub for the burgeoning offshore wind industry. Early 2022, the NYC Economic Development Corporation released an RFP for the 33-acre city site for potentially port development. With around 2,000 feet of shoreline frontage, this location would be advantageous with its proximity to the location sites from the U.S. Bureau of Ocean Energy Managements’ February auction awards of the New York Bight for wind farm development.

Similarly, The Arthur Kill Terminal, located in Richmond Valley, is a 32-acre site which could also serve as a location to assemble massive wind turbines in the borough for the East Coast. It is owned by Atlantic Offshore Terminals, an infrastructure and real estate development company.



Community Investment and Job Training

Over time, offshore wind in New York City will support **13,000 local jobs and generate \$1.3 billion in average annual investment** citywide with a focus on minority and women and disadvantaged business enterprise jobs. Equinor committed a **\$5 million ‘ecosystem fund’** for offshore wind training, innovation and just transition support to be conducted at an offshore wind learning facility within its local Brooklyn office.[ii]



NYC offshore wind key locations [vi]

The **New York Offshore Wind Training Institute (OWTI)**, formed in 2020, is the largest public investment in offshore wind work force training in the nation. OWTI will advance offshore wind training programs and educational infrastructure for a skilled workforce across the state, **certifying and training 2,500** New Yorkers for both offshore and onshore renewable energy projects.

In New York City under the OWTI funding, New York State also awarded funding specifically to **LaGuardia Community College** in Queens to support early training and skills development, particularly for disadvantaged communities, including veterans, individuals with disabilities, low-income individuals, the homeless and single parents. The college will partner with Siemens Gamesa, a European engineering firm and manufacturer of wind turbines, services, and components and will train talent for the construction, repair, and maintenance of offshore wind facilities in the New York City metro area. They will train both new entrants to the workforce and incumbent workers in the construction trades, and **50 low-income individuals** from the Brooklyn – Queens waterfront to be trained as offshore wind technicians.

[i] Maria Gallucci, “New York Take Early Lead as Large-Scale Offshore Wind Starts Rolling in the US” Canary Media, 2022
[ii] “Mayor Adams announces agreement to transform SBMT into leading offshore wind hub” March 3, 2022. www.nyc.gov/office-of-the-mayor/news/105-22/mayor-adams-agreement-transform-south-brooklyn-marine-terminal-leading-offshore#/0
[iii] <https://www.nyc.gov/office-of-the-mayor/news/105-22/mayor-adams-agreement-transform-south-brooklyn-marine-terminal-leading-offshore#/0>
[iv] NYSEDA: <https://www.nyserda.ny.gov/About/Newsroom/2022-Announcements/2022-01-14-Governor-Hochul-Announces-Key-Offshore-Wind-Milestone>
[v] Rendering provided by Equinor
[vi] Screenshot from Google Maps