



Concept rendering

Fact Sheet

Pier Wind



The Port of Long Beach is embarking on an ambitious plan to help California meet a goal of producing 25 gigawatts of offshore wind power by 2045 and help lower the national cost of offshore wind power by 70% by 2035.

The proposed Floating Offshore Wind Staging and Integration facility – known as Pier Wind – would allow for the assembly of the world’s largest offshore wind turbines standing as tall as the Eiffel Tower. The fully completed generators and accompanying floating foundations would be towed by sea from the Port of Long Beach to wind lease areas in Central and Northern California that will generate reliable and renewable power for the West Coast.

Pier Wind aims to help California harness the powerful wind in deep waters in order to generate renewable energy at a lower

cost and fight climate change by decarbonizing the electric grid. In addition to putting California and the United States at the forefront of floating offshore wind technology and development, the project would help the state meet climate goals while creating jobs and economic opportunities for communities near the San Pedro Bay port complex.

Background

Working in alignment with the California Energy Commission’s goals for offshore wind development, the Port of Long Beach is investing \$1 million to develop a conceptual design and constructability assessment for the proposed Pier Wind project. The assessment, scheduled for completion in spring 2023, will include conceptual designs, cost estimates and project delivery schedules.

The Port will also enhance its workforce development programs by including offshore wind and climate resilience technology to help achieve a statewide goal of creating 500,000 apprenticeships by 2029.

Features

Pier Wind would be the largest facility specifically designed to accommodate assembly of offshore wind turbines at any U.S. seaport. The project would involve creating up to 400 acres of new land for a terminal capable of handling heavy-lift crane operations to stage, store and construct the world’s largest floating offshore wind turbines.

The Port of Long Beach is the ideal location for the proposed Floating Offshore Wind Staging and Integration facility due to these attributes:

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- Adjacent to a deep and wide federal navigation channel that provides direct access to the open ocean with no height restrictions.
- It is at the center of the nation's supply chain with connections to robust water, rail and roadway networks in addition to a well-trained marine workforce.
- Access to the state's largest manufacturing base and construction workforce with the capability to quickly retool and meet the demands of the growing renewable energy industry.
- Surrounded by numerous industries in a region with a high demand for land, the facility would prove to be economically viable for long-term use.

- Within an existing dedicated port area in alignment with California's Tidelands Trust and the California Coastal Act.

Expertise and Financial Strength

- The Port of Long Beach has a proven ability to manage millions of dollars in federal and state loans and grants, in addition to experience with public-private partnerships with large infrastructure fund groups.
- By partnering with federal and state agencies in addition to private corporations, the Port is an industry leader in delivering major marine infrastructure

projects. It also has extensive experience with alternative project delivery modes.

- As one of the largest container seaports in the United States, the Port of Long Beach handles trade valued at more than \$200 billion annually connected to every congressional district.

Additional Information

For more information on the project please contact:

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