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PROJECT: EcoWave Power - L.A. One

APP No: 230814-151

APPLICANT: AltaSea at the Port of Los Angeles

LOCATION: Berth 70-71

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The proposed project is to utilize Berth 70-71 as a demonstration site of EcoWave Power's technology that converts wave power into clean electricity. The project space will be occupied by floaters, hydraulic pipes, an energy conversion unit, and a warehouse unit. The energy conversion unit will be housed in one of the (2) standard shipping containers (size of 20 feet each), and the other container will be used for storage. The containers will be placed side-by-side. There may be potentially the usage of a generator for demonstration purposes. There will not be a need to connect to any other energy source throughout the lifetime of the project. The floaters (up to 8 units) will be installed mainly above the water on the eastern edge of the wharf. Each floater will be connected through hydraulic pipes to the conversion unit. During their operations, one worker is expected to inspect the EcoWave site periodically.

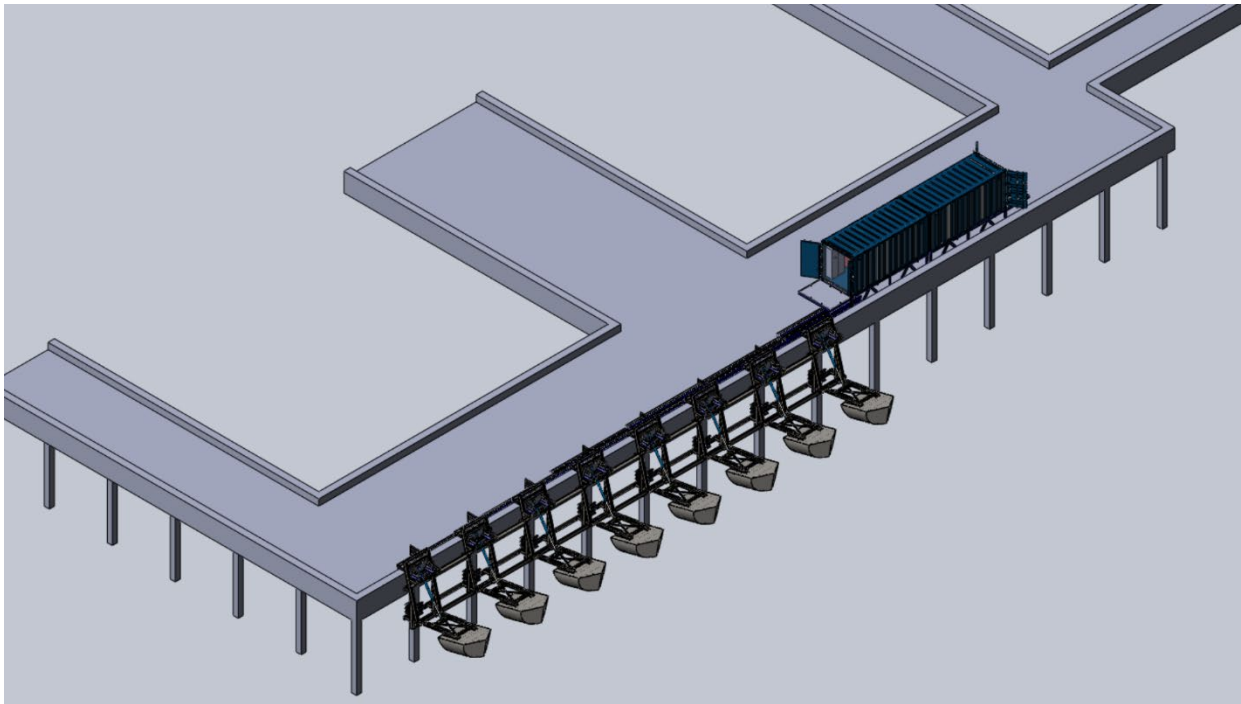


Image courtesy of EcoWave Power (2023).

Installation of the project will take place both from the landside and the seaside. Landside installation would include (1) trailer truck to be used for delivery, one at a time; (1) crane truck/boom truck, up to (2) forklifts, and up to (2) spider cranes at the same time construction and delivery; conventional workshop tools for construction and O&M; and up to (2) scaffolds at the same time for construction. The seaside installation would include (1) crane barge, (1) crane, and (1) tugboat for delivery and construction; up to (2) scaffolds at the same time; and conventional

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workshop tools such as drills, compressors, an angle grinder, and other similar equipment. Construction is set to last up to 6 months. Operation of the project will last up to 24 months pursuant to a Revocable Permit. A laydown area will be needed for landside construction to commence.

The pilot project will be used to test the unique technology that was developed by Eco Wave Power Ltd. that produces power from waves at the POLA. The purpose of the project is to gather data that will promote onshore wave power projects in the state of California and the rest of the U.S., in line with the newest wave energy legislation State Bill 605 – Wave and Tidal Energy. The wave data is being collected to calculate the theoretically available energy for their pilot station with their derived energy formula. The data collection will be for research and development purposes to validate sea state conditions and to compare them with real power generation from a functioning pilot station.

Therefore, this project is categorically exempt from environmental review pursuant to CEQA Guidelines Section 15306 [Information Collection] and Article III Class 4(6) and 4(7) of the City of Los Angeles Guidelines: *Class 6 consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded; Temporary uses of land having no permanent effects on the environment; The issuance, renewal or amendment of any lease, license or permit to use land involving minor alterations to the condition of the land.*

The Project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15304 [Minor Alterations to Land]. The Class 4 exemption encompasses the “minor public or private alternations in the condition of land, water and /or vegetation which do not involve removal of healthy, mature, scenic trees... Examples include but are not limited to ...minor trenching and backfilling where the surface is restored [subd. (f)] and the temporary use of land having negligible or no permanent effects on the environment, including carnivals [subd. (e).]”

Here, the pilot project will not impact any trees and will occur within previously disturbed areas. The Project will not require any trenching. Any connections needed will be made above ground. The project containers will also be removed after operation and the site will return to its existing condition.

Additionally, none of the exceptions to exemptions set forth in the CEQA Guidelines Section 15300.2 apply to the proposed project. For the reasons set forth below, the exceptions to exemptions set forth in CEQA Guidelines Section 15300.2 do not apply to this project.

1. Location

Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or

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critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies. This exception does not apply here because the proposed project site is not located within an environmentally sensitive area of the Port.

2. Cumulative Impact

A categorical exemption is not applicable when the cumulative impact of successive projects of the same type in the same place over time is significant. Although the tenant is having other projects such as the Captura direct ocean capture technology pilot project, a research aqua barge, the Angel Cake project, and the UCLA sublease occurring synchronously to the Proposed Project, they are not anticipated to cause a cumulative impact given that their activity differs, is not likely to overlap, and will be located in different areas of the AltaSea facility.

3. Significant Effect

This exception applies when there is a reasonable possibility that a project will have a significant effect on the environment due to unusual circumstances. “Unusual circumstances” is judged relative to the typical circumstances of an exempt project. In this case there are no unusual circumstances relative to the proposed project that would cause this exception to apply. Port staff is unaware of any information to indicate that this project could have a significant effect on the environment.

4. Scenic Highway

A categorical exemption is not applicable for a project which may result in damage to scenic resources within a designated state scenic highway. The nearest officially designated state scenic highway is located approximately 34.4 miles north of the closest project site (State Highway 2, from approximately 3 miles north of I-210 in La Cañada to the San Bernardino County Line). The scenic highway exception does not apply to this project as there is no officially designated scenic highway within the vicinity of the project. The project will not result in damage to any scenic resources, including, but not limited to trees, historic buildings, rock outcroppings, or similar resources within a state scenic highway.

5. Hazardous Waste Sites

A categorical exemption cannot be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code. The hazardous waste sites exception does not apply to the project because the project site is not included on a list per Section 65962.5 of the Government Code.

6. Historical Resources

This exception applies when a project may cause a substantial adverse change in the significance of a historical resource. Based on the updated Department of Parks and Recreation (DPR) Forms published on January 13, 2025, it was determined that the Wharves at Berths 70-

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71 are ineligible for the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) for Criteria A/1: Events or Patterns of Events, Criteria B/2: Persons, Criteria C/3: Architecture, and Criteria D/4: Information Potential. They were also ineligible for the Los Angeles Historic-Cultural Monument (HCM) under Important Events, Persons, and Architecture criterion. Therefore, the historical resources exception does not apply as the Wharves at Berths 70-71 are not historical resources pursuant to CEQA.