

To: Office of Planning and Research
 PO Box 3044
 1400 Tenth Street, Room 113
 Sacramento, CA 95812-3044

From: California Energy Commission
 715 P Street
 Sacramento, CA 95814

Project Applicant: Zero Emission Industries, Inc.

Project Title: Cryogenic Hydrogen Infrastructure Replacement Product

Project Location:

Address	City	County
138 W Harris Ave (design, testing, Project Build)	South San Francisco 94080	San Mateo
155 N Kingston St (design and engineering work)	San Mateo 94401	San Mateo
300 S Harbor Blvd (potential demonstration site)	San Pedro 90731	Los Angeles

Description of Nature, Purpose and Beneficiaries of Project:

Under agreement PIR-23-007, the California Energy Commission will provide a \$5,250,000 grant to fund the project. The purpose of this project is to fund the development and demonstration of a mobile liquid hydrogen bunkering solution for medium and heavy-duty maritime applications. This refueler will enable the use of liquid hydrogen fueled ships and help decarbonize California ports. The findings from this project could be immediately applicable to decarbonization efforts in many heavy-duty transportation sectors and will facilitate the adoption of zero emission heavy equipment.

Beneficiaries include owners and operators of hydrogen-fueled ships, ports that serve such ships, hydrogen suppliers, and the environment.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Zero Emission Industries, Inc.

Exempt Status: *(check one)*

- Ministerial Exemption (Pub. Resources Code § 21080(b)(1); Cal. Code Regs., tit. 14, § 15268);
- Declared Emergency (Pub. Resources Code § 21080(b)(3); Cal. Code Regs., tit. 14, § 15269(a));
- Emergency Project (Pub. Resources Code § 21080(b)(4); Cal. Code Regs., tit. 14, § 15269(b)(c));
- Categorical Exemption. State type and section number
Cal. Code Regs., tit. 14, § 15301
- Statutory Exemptions. State code number.
- Common Sense Exemption. (Cal. Code Regs., tit. 14, §15061(b)(3))

Reasons why project is exempt:

The CEQA exemption under California Code of Regulations, title 14, section 15301, Existing Buildings, applies. Section 15301 covers the operation, maintenance, or minor alteration of existing public or private structures, facilities, mechanical equipment, involving negligible or no expansion of existing or former use. This project involves the designing and building of a mobile liquid hydrogen bunkering solution. Both design and build activities will take place in existing research facilities. The mobile liquid hydrogen bunkering system will then be temporarily demonstrated at one or more existing ports in California, without the need for additional construction

Authority cited: Sections 21083 and 21110, Public Resources Code. Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.
 Zero Emission Industries, Inc.

at the ports. The deployment of this fueling system is not expected to increase activity at the demonstration site beyond normal. Hydrogen safety rules will be followed, according to a hydrogen safety plan.


The project will not impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies; does not involve any cumulative impacts of successive projects of the same type in the same place that might be considered significant; does not involve unusual circumstances that might have a significant effect on the environment; will not result in damage to scenic resources within a highway officially designated as a state scenic highway; the project site is not included on any list compiled pursuant to Government Code section 65962.5; and the project will not cause a substantial adverse change in the significance of a historical resource. Therefore, none of the exceptions to categorical exemptions listed in CEQA Guidelines section 15300.2 apply to this project, and this project will not have a significant effect on the environment.

Lead Agency

Contact Person: Antonio Gomez **Area code/Telephone/Ext:** 916-776-7966

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  **Date:** 11/20/2023 **Title:** Mechanical Engineer

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____