

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

**From:** California Energy Commission  
 1516 Ninth Street, MS-48  
 Sacramento, CA 95814

**Project Applicant:** Golden Gate Zero Emission Marine, Inc.

**Project Title:** Small Fast Multi-Use Hydrogen Fuel Cell Harbor Craft

**Project Location:**

Address	City	County
Pier 43 1/2, Fisherman's Wharf	San Francisco 94133	San Francisco
450 E Shoreline Dr	Long Beach 90802	Los Angeles

**Description of Nature, Purpose and Beneficiaries of Project:**

The purpose of this agreement is to develop a compact marine hydrogen fuel cell powertrain to power a small multi-use passenger/patrol vessel. A portable refueling method will be developed to enable the vessel to be fueled with hydrogen sourced from existing retail stations, avoiding the need for siting shoreside infrastructure. The completed vessel will be demonstrated over a six-month demonstration shared between the Port of San Francisco and Port of Long Beach.

Research and development for the hydrogen fuel cell powertrain and portable refueling method will take place in existing laboratory settings. The hydrogen fuel cell-powered vessel and portable refueling method will be developed in compliance with U.S Department of Transportation and Coast Guard requirements. This agreement is intended to lead to ratepayer benefits including lower capital and hydrogen fuel costs, air quality improvements, and greenhouse gas reductions by displacing diesel and gasoline consumption in the marine sector.

**Name of Public Agency Approving Project:** California Energy Commission

**Name of Person or Agency Carrying Out Project:** Golden Gate Zero Emission Marine, 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, § 15306
- Statutory Exemptions. State code number.
- Common Sense Exemption. (Cal. Code Regs., tit. 14, §15061(b)(3))

**Reasons why project is exempt:**

This project is exempt under Cal. Code Regs., tit. 14, Section 15306, because it focuses primarily on information collection efforts related to the design and development of hydrogen fuel cell powertrains for marine applications. The project involves hydrogen fuel cell stack optimization, vessel integration, and development of a portable fueling method that will be done within existing laboratory environments.

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


The project includes demonstration activities at the Port of San Francisco and Port of Long Beach. The hydrogen fuel cell-powered vessel and portable refueler will meet U.S. Department of Transportation and Coast Guard safety standards to mitigate risks. Project activities will not result in a serious or major disturbance to an environmental resource.

**Lead Agency**

**Contact Person:** Peter Chen **Area code/Telephone/Ext:** 916-766-0743

**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:** 3/29/2021 **Title:** Mechanical Engineer

**Signed by Responsible Agency**

**Signed by Lead Agency**

**Signed by Applicant**

**Date received for filing at OPR:** \_\_\_\_\_