

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: Cummins Electrified Power, NA

Project Title: Hydrogen Fuel Cell Truck (HyFCT) Technology Integration and Demonstration

Project Location:

<u>Address</u>	<u>City</u>	<u>County</u>
3300 Industrial Blvd Ste 700	West Sacramento 95691	Yolo
12965 Sandoval St	Santa Fe Springs 90670	Los Angeles
9240 Firestone Blvd	Downey 90241	Los Angeles
1084 Columbia Ave	Riverside 92507	Riverside

Description of Nature, Purpose and Beneficiaries of Project:

This project will demonstrate two zero-emission hydrogen fuel cell-electric trucks (HyFCT) capable of meeting challenging duty cycle requirements of an industrial bulk gas delivery application. The project will integrate an advanced fuel cell electric powertrain, demonstrate the HyFCTs as one-to-one replacements of conventional Class 8 diesel trucks in a representative real-world operation, and develop a truck-mounted electrified power take-off (ePTO) option to power a pump on cryogenic cargo tank trailers. The project will lead to ratepayer benefits including reductions in air pollutant and greenhouse gas emissions by enabling use of zero-emission hydrogen fuel cells for heavy-duty trucks.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Cummins Electrified Power, NA

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; 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:

This project is exempt under Cal. Code Regs., tit. 14, section 15306 because it primarily focuses on information collection efforts related to the design and use of two hydrogen fuel cell trucks. Two trucks will be assembled and driven for demonstration purposes. Periodically throughout the demonstration, operational data on performance and energy usage will be collected from the trucks; this is the primary purpose of this project. Data analysis will be done within existing laboratory and industrial environments. For these reasons, this project will have no significant effect on the environment and fits within section 15306.


This project is also exempt under Cal. Code Regs., tit. 14, section 15301 because work will be conducted at existing facilities. Specifically, two truck chassis will be purchased and modified at an existing industrial facility in West Sacramento. The modified trucks will be primarily operated out of an existing industrial terminal in Santa Fe Springs, and will make deliveries throughout the Greater Los Angeles region. The modified trucks will be periodically driven to an existing research facility in Riverside where operational data will be collected. For these reasons, this project will have no significant effect on the environment and fits within section 15301.

Lead Agency

Contact Person: Peter Chen **Area code/Telephone/Ext:** 916-776-0743

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:** 3/23/2022 **Title:** Mechanical Engineer

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____