

PMC-EF2a

(2.04.02)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT: Air Resources Board

STATE: CA

PROJECT TITLE : Validation of Hydrogen Refueling Station Performance and Advanced Refueling Components

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000626	DE-EE0005889	GFO-0005889-001	

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

- | | |
|--|--|
| A9 Information gathering, analysis, and dissemination | Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.) |
| B5.22 Alternative fuel vehicle fueling stations | The installation, modification, operation, and removal of alternative fuel vehicle fueling stations (such as for compressed natural gas, hydrogen, ethanol and other commercially available biofuels) on the site of a current or former fueling station, or within a previously disturbed or developed area within the boundaries of a facility managed by the owners of a vehicle fleet. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices. |

Rational for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to Air Resources Board (ARB) to upgrade an existing light duty vehicle hydrogen (H2) fuel cell fueling station. DOE funding would be used to purchase, install, and maintain measurement devices that monitor hour, power, water, gas and mass meters at an existing H2 fueling station. Data monitoring, recording and analysis of the data would be used to optimize the operation of the station.

The station is located at 1600 Jamboree Road, Newport Beach, California 92660 in a commercial area with shopping centers and residential housing within a few blocks. The combination gasoline/H2 fueling station has four islands and a convenience store and serves light duty passenger vehicles. The station is designed with a natural gas steam methane reformer (SMR), compression system, storage and dispenser. The existing station would be updated with a total of twelve sensors that measure hour, power, water, gas and mass meters. There will be no excavation, heavy construction or changes in the existing processes taking place at the station.

All installation work would be completed within the existing H2 fueling station in the period of one week. No ground disturbance or modifications to the outside fuel dispensers and island would occur. ARB has completed a Hydrogen Fueling Station Questionnaire addressing their control technologies and best management practice protocols for safety, emergency response and hydrogen storage and dispensing monitoring. The station has integrated safety features that protect users and workers during operation as well as during periods when no use is occurring. ARB follows established worker safety requirements and equipment maintenance procedures.

The proposed modifications would occur at an existing location, in an area that has been previously disturbed. The proposed modifications would not have adverse effects on threatened and endangered species, wetlands, floodplains or cultural resources as these resources are not known to occur at the proposed site.

DOE has determined that the modification of the existing H2 fueling station would not have a significant individual or cumulative impact to human health and/or environment and is consistent with actions defined in DOE categorical exclusion A9 "information gathering," and B5.22 "installation, modification, operation, and removal of alternative fuel vehicle fueling stations".

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

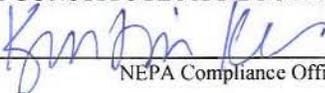
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Kelly Daigle 12/10/2012

DOE funding: \$157,758
Cost Share: \$157,758
Total Project Cost: \$314,150

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  Date: 12/10/2012
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager