

# California Energy Commission STAFF REPORT

## LOCALIZED HEALTH IMPACTS REPORT

Addendum 3 for a Selected Project Awarded Funding  
Through the Alternative and Renewable Fuel and Vehicle  
Technology Program Under Solicitation PON-13-607 –  
Hydrogen Refueling Infrastructure



CALIFORNIA  
ENERGY COMMISSION

Edmund G. Brown Jr., Governor

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# CALIFORNIA ENERGY COMMISSION

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## ADDENDUM 3

This addendum applies the assessment approach as written in CEC-600-2014-007<sup>1</sup>, posted June 19, 2014. It reports on the potential localized health impacts of a proposed new location for one hydrogen refueling station in the Air Liquide Industrial US LP project “Palo Alto Hydrogen Refueling Station.”

Table 1 lists both the original and newly proposed address and the environmental justice (EJ) indicator. The location has the age EJ indicator; 17.1 percent of the population is over 65 years of age. The community impact, that is, EJ indicator, is the same as the original station location.

**Table 1: Proposed Address Change for Hydrogen Refueling Station and Environmental Justice Indicator<sup>2</sup>**

Original Site Location	New Site Location	EJ Indicators for New Location
2200 El Camino Real, Palo Alto, California 94306	3601 El Camino Real, Palo Alto, California 94306	1-Age

Source: Energy Commission Staff Analysis

The increased use of hydrogen fuel cell vehicles will impact the city of Palo Alto positively by leading to cleaner air and reduced greenhouse gases for the community where the station is planned to be located.

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1 Brecht, Patrick, 2014. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2014-007.

2 The EJ indicators follow: (i.) minority subset represents more than 30 percent of a given city’s population (2010), (ii.) city’s poverty exceeds California’s poverty level of 15.9 percent (2009-2013), (iii.) city’s unemployment rate exceeds California’s unemployment rate of 7.0 percent as of December 2014, and (iv.) city’s percentage of persons younger than 5 years of age or older than 65 years of age is 20 percent higher than then California’s average. Note: For the entire state, the percentage of persons under the age of 5 years is 6.8 percent, and the percentage of persons over the age of 65 years is 11.4 percent.

# APPENDIX A

**Table A-1: Zip-Code Based Demographic Data and Environmental Justice (EJ) Indicators Compared With the State of California**

Yellow highlighted areas indicate numbers that meet the definition for EJ Indicators.

	Persons Below Poverty Level (2009-2013)	Black persons (2010)	American Indian and Alaska Native (2010)	Persons of Hispanic or Latino Origin (2010)	Asian (2010)	Persons Under 5 Years of Age (2010)	Persons Over 65 Years of age (2010)	Unemployment Rate (December 2014)
California	15.9%	6.2%	1.0%	37.6%	13.0%	6.8%	11.4%	7.0%
California (minorities)		>30.0%	>30.0%	>30.0%	>30.0%			
Palo Alto	5.7%	1.9%	0.2%	6.2%	27.1%	5.4%	17.1%	2.3%

Sources: Unemployment information from the State of California, Employee Development Department (EDD) Labor Market Information Division: [http://www.labormarketinfo.edd.ca.gov/CES/Labor\\_Force\\_Unemployment\\_Data\\_for\\_Cities\\_and\\_Census\\_Areas.html](http://www.labormarketinfo.edd.ca.gov/CES/Labor_Force_Unemployment_Data_for_Cities_and_Census_Areas.html) and Demographics information from the U.S. Department of Commerce, U.S. Census Bureau: <http://quickfacts.census.gov/qfd/states/06/0655282.html>