

**California Energy Commission**  
**STAFF REPORT**

**LOCALIZED HEALTH IMPACTS  
REPORT**

Addendum 2 for a Selected Project With Location Changes  
Awarded Funding Through the Alternative and Renewable  
Fuel and Vehicle Technology Program Under PON-09-006

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# CALIFORNIA ENERGY COMMISSION

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## ADDENDUM 2

The *Localized Health Impacts Report Addendum for Selected Infrastructure Projects Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-09-006, Including the Alameda-Contra Costa Transit District Project (Contract 600-10-013) CEC-600-2010-005-AD*, was originally posted May 27, 2011, and the public comment period ended June 26, 2011. The 2011 addendum addressed two projects with location changes. One of these was the South Coast Air Quality Management District (SCAQMD) project, which included 10 stations. At that time 6 of the 10 stations had location changes. This addendum assesses the four locations that have changed on this project, and a location change for the Pearson Fuels project.

For the SCAQMD project the previous addendum addressed 11 stations. Of these six have been removed, and four new stations have been added. This addendum to the localized health impacts report assesses and reports on the potential localized health impacts of these four new infrastructure projects recommended for funding.

The new station locations proposed, in relation to SCAQMD, "Natural Gas Infrastructure for the South Coast Air Basin," are:

- Clean Energy Fontana, 14226 Valley Blvd., Fontana.
- Clean Energy Coachella, 45601 Dillon Rd., Coachella.
- Waste Management Chino, 13793 Redwood Ave., Chino
- West Covina City Yard, 825 S. Sunset Ave., West Covina

For the Pearson Fuels project the original LHI addressed two locations, the McClellan Air Force Base in North Highlands and Western Way and Harley Knox Blvd. in Perris. The Perris location has been removed. The new location proposed is 2365 E. Sepulveda Blvd., Carson.

The locations are in nonattainment zones for ozone particulate matter (PM) (2.5) and PM (10) (Table 1) and in communities considered to be at risk.<sup>1</sup>

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<sup>1</sup>"Particulate matter" is unburned fuel particles that form smoke or soot and stick to lung tissue when inhaled.

**Table 1: Community Status and Project Overview**

<b>Project</b>	<b>At-Risk Community</b>	<b>CEQA Completed</b>	<b>Air District Permit Status</b>	<b>Attainment Status for Ozone, PM (2.5), PM (10)</b>
Fontana	Yes	Complete	In Progress	Nonattainment (all)
Coachella	Yes	Complete	In Progress	Nonattainment (all)
Chino	Yes	Complete	In Progress	Nonattainment (all)
West Covina	Yes	Complete	In Progress	Nonattainment (all)
Carson	Yes	In Process	In Progress	Nonattainment (all)

Source: Energy Commission staff analysis

The air districts where the sites are located have experience in issuing permits for sites and will ensure, during the permitting process, that the organizations comply with all federal, state, and air district standards for the safety and health of the surrounding communities.

The addresses will result in surroundings shown in Table 2.

**Table 2: Surroundings for the Site Addresses**

<b>Address</b>	<b>Surroundings (within a 1 mile radius)</b>
14226 Valley Blvd., Fontana	No schools, no day care facilities, and no health care facilities
45601 Dillon Rd., Coachella	No schools, no day care facilities, and no health care facilities
13793 Redwood Ave., Chino	No schools, no day care facilities, and two health care facilities
825 S. Sunset Ave., West Covina	13 schools, 5 day care facilities, and 14 health care facilities
2365 E. Sepulveda Blvd., Carson	10 schools, no day care facilities, and no health care facilities

Source: Energy Commission staff analysis

## Community Impacts

### For the SCAQMD Projects

This project is not expected to result in adverse health impacts to sensitive populations at the project sites or in the cities where the stations are located. Rather, the project is expected to alleviate air pollutant exposure in the region as compressed natural gas (CNG) and liquefied natural gas (LNG) vehicles replace diesel vehicles.

Other than minimal construction and fuel-dispensing emissions, no significant criteria emissions will result from the upgrade and construction of these stations. Most fleet stations are located in geographically and socioeconomically diverse areas.

The air districts will evaluate the station emissions during the permitting evaluation process and will adhere to federal and state regulations to notice residents within 1,000 feet of the site if

the project will result in an increase in emissions above the threshold. The SCAQMD will also post notices to the California Air Resources Board and the California Environmental Protection Agency websites and in local newspapers if the project is using emission offsets or emission reduction credits.

**For the Pearson Fuels Project**

This project will provide cleaner fuel for the existing diesel truck fleets serving the goods movement sector through Carson. The goods movement sector represents a large portion of the total transportation emissions. This project is not expected to result in adverse health impacts to sensitive populations at the project site or in the city where the biofuel storage tank terminal will be located. Rather, the project is expected to alleviate air pollutant exposure in the region as biodiesel fuel is used in place of diesel in the vehicles.

The air district typically requires a permit for biodiesel fuel terminals. If, during the permit evaluation stage, the air district determines the project will result in an increase in emissions above the threshold, the air district would normally notice residents within 1,000 feet of the site; however, there are no residents within 1,000 feet of the site. The air district would instead post notices to the Air Resources Board and Environmental Protection Agency websites.

Table 3 includes the four EJ indicators and their existence in the various geographic locations for the proposed projects.

**Table 3: Environmental Justice Indicators**

City	Minority	Poverty Level	Unemployment Rate	Age
Carson	X			
Chino	X			
Coachella	X	X	X	
Fontana	X	X	X	
West Covina	X			

Source: Energy Commission staff analysis

The last table in this addendum, Table 4, provides data for the cities where the projects will be location.

Some of the notable benefits from the installation projects include the increased use of cleaner alternative fuels, which, in turn, will replace higher emitting vehicles like gasoline vehicles. While these stations are located within or close to low-income communities highly impacted by air pollution, the stations are not expected to result in any adverse health effects in the nearby communities as a result of the installation and use of the equipment.

**Table 4: Demographic Data**  
(Percentage of total population)

	<b>Carson</b>	<b>Chino</b>	<b>Coachella</b>	<b>Fontana</b>	<b>West Covina</b>
<b>Below poverty level</b>	7.8	7.4	26.3	14	8.9
<b>Ethnicity</b>					
<b>Black</b>	23.8	6.2	0.8	10	4.5
<b>American Indian or Alaskan Native</b>	0.6	1	0.7	1	1
<b>Hispanic</b>	38.6	53.8	96.4	66.8	53.2
<b>White</b>	23.8	56.4	48.1	47.4	42.8
<b>Age</b>					
<b>&lt; 5 years</b>	5.7	6.7	11	8.6	6
<b>&gt; 65 years</b>	13.8	7.3	4.5	5.7	12.1
<b>Unemployment rate</b>	10.3	9.6	17.6	11.3	9

Source: Unemployment Information, EDD Labor Market Information Division; Age/ethnicity demographics, U.S. Census <http://quickfacts.census.gov/qfd/index.html> and <http://www.labormarketinfo.edd.ca.gov/Content.asp?pageid=133>