

California Energy Commission STAFF REPORT

LOCALIZED HEALTH IMPACTS REPORT

Addendum 2 for a Project With a Location Change Awarded
Funding Through the Alternative and Renewable Fuel and Vehicle
Technology Program Under Solicitation PON-12-605 – Natural Gas
Fueling Infrastructure



CALIFORNIA
ENERGY COMMISSION

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ADDENDUM 2

The *Localized Health Impacts (LHI) Report for Selected Projects Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-12-605-Natural Gas Fueling Infrastructure* was posted March 27, 2013 (CEC-600-2013-001)¹. This addendum applies the same approach to assess the potential localized health impacts of a proposed new location for the compressed natural gas station with the “Santa Clarita Vista Canyon CNG” infrastructure project.

Table 1 lists the original and newly proposed address, environmental justice indicators², and new surroundings.

Table 1: Original and Proposed New Site Location for the City of Santa Clarita With Environmental Justice Indicators and New Surroundings

Original Site Location	New Site Location	EJ Indicators for New Location	Surroundings for New Location (within 1-mile radius)
Vista Canyon, Santa Clarita	19201 Via Princessa Avenue, Santa Clarita, CA 91351	None	Densely populated area with more than 10 schools, 6 day care centers, and 8 medical offices/hospitals

Source: Energy Commission staff analysis

1 Williams, Sarah, 2013. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2013-001.

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 5.8 percent as of December 2015, 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.

Air Quality and EJ Indicators

Santa Clarita is in a nonattainment zone for ozone, particulate matter (PM³) 2.5 and PM 10, and has no EJ indicators. If a project site is in a nonattainment zone and has more than one EJ indicator, as shown in Table 2, it is considered a high-risk community, according to the Environmental Justice Screening Method⁴. Therefore, even though the new proposed Santa Clarita location is in a densely populated area, it is not considered a high-risk community.

Table 2: EJ Indicators Compared With 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 (December 2015)
California	15.9%	6.2%	1.0%	37.6%	13.0%	6.8%	11.4%	5.8%
EJ Indicators	>15.9%	>30.0%	>30.0%	>30.0%	>30.0%	>8.16%	>13.8%	>5.8%
Santa Clarita	9.5%	3.2%	0.6%	29.5%	8.5%	6.3%	9.6%	5.3%

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 and Demographics information from the U.S. Department of Commerce, U.S. Census Bureau: <http://quickfacts.census.gov/qfd/states/06/0622594.html>

Location Analysis and Community Impacts

Based on staff's assessment of the proposed new site location in Santa Clarita, it is anticipated that the surrounding community will not be disproportionately impacted by the implementation of the project. As with the original Vista Canyon project location, the characteristics of the site, equipment, installation work, and capacity will be the same as the original. Staff expects that air quality at and near the proposed site will improve over time because the compressed natural gas (CNG) will be displacing gasoline and diesel vehicle tailpipe emissions. It is anticipated that there will be reduced greenhouse gas emissions as a result of the CNG refueling at the station. The anticipated impact to the community where the refueling station will be located is likely positive in terms of cleaner air.

3 "Particulate matter" is unburned fuel particles that form smoke or soot and stick to lung tissue when inhaled. The numbers stand for microns in diameter.

4 California Air Resources Board (ARB), *Air Pollution and Environmental Justice, Integrating Indicators of Cumulative Impact and Socio-Economic Vulnerability Into Regulatory Decision-Making, 2010*. (Sacramento, California) Contract authors: Manuel Pastor Jr., Ph.D., Rachel Morello-Frosch, Ph.D., and James Sadd, Ph.D.