

California Energy Commission

STAFF REPORT

LOCALIZED HEALTH IMPACTS REPORT

Addendum 2 for a Selected Project With a Location Change and Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-11-604, Advanced Vehicle Technology Manufacturing



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ADDENDUM 2

Localized Health Impacts Report Addendum for Selected Projects Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-11-604, Advanced Vehicle Technology Manufacturing was posted December 4, 2012 (CEC-600-2012-005-AD).¹

The assessment approach of this addendum, Addendum 2, is as written in CEC-600-2012-005-AD. In the first addendum, Trexa Corporation’s project “*TREXA BEV M9 Pilot Production Facility and Third-Party BEV Business Accelerator Facility*” was analyzed as being located at 411 S. Hewitt Street, Los Angeles, California, 90013. Since the first addendum, Trexa Corporation proposed to change the project location.

This addendum analyzes the community status and project overview, in addition to the surroundings for the new site, as shown in Tables 1 and 2. The new proposed project location is within the San Pedro Bay Port Technologies Development Center at 2200-2322 Signal Street, San Pedro, California, 90731. For the new proposed project location, Trexa Corporation will occupy a unit, roughly 30,000 square feet in size, in an industrial facility. No facility modifications are required for this project.

Table 1: Community Status and Project Overview

Project	At-Risk Community	CEQA Completed	Air District Permit Status	Attainment Status for Ozone, PM 2.5, PM 10²
San Pedro	Yes	Complete	Complete	Ozone and PM 2.5

Source: Energy Commission staff analysis

The location will have the surroundings shown in Table 2.

Table 2: Surroundings for the New Site

New Address	Surroundings (within a 1-mile radius)
2200-2322 Signal Street, San Pedro, CA 90731	1 school, no day care facilities, and 1 health care facility

Source: Energy Commission staff analysis

¹ Rillera, Larry. 2012. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2012-005-AD.

² "Particulate matter (PM)" is unburned fuel particles that form smoke or soot and stick to lung tissue when inhaled, and a chief component of exhaust emissions from heavy-duty diesel engines.

Project-Generated Emissions

This project is not anticipated to generate air emissions (criteria or toxic) that are directly associated with operations since the manufacturing and assembly processes will use electric tooling. Further, vehicles assembled at this location are battery-electric. The project will not lead to localized health impacts due to project-generated emissions.

Location Analysis

Energy Commission staff reviewed results from the Environmental Justice Screening Method (EJSM) to determine the EJ indicators of the proposed location (Table 3 and 4).³ The EJSM was developed to help identify areas with social vulnerability indicators and the greatest exposure to air pollution and associated health risks.

Staff identifies high-risk communities using the following factors: (1) those located in nonattainment air basins for ozone, PM 10, and PM 2.5; (2) those with high poverty, minority population and/or unemployment rates; and (3) those with a high percentage of sensitive populations (individuals who are under 5 years of age and over 65 years of age). Those designated as high-risk communities would be located in nonattainment air basins and have one or more of the other two factors.

The location has the minority, poverty level, and unemployment rate, but not the age rate. The local demographic data for the project (over 65 years of age) would have to exceed California's, which is currently 11.4 percent. Based on the assessment and those for other projects funded under this solicitation, the location will not be disproportionately affected by the pilot production facility for the Trexa Corporation M9 battery-electric vehicle platform.

Outreach

Trex Corporation plans community outreach events that include electric vehicle demonstrations with the utilities, electric vehicle service equipment providers, advocacy organizations, and electric vehicle vendors. The events rotate every two to three months throughout the communities in Los Angeles. In addition, Trexa Corporation participates in presentations and conferences promoting the adoption of electric-drive vehicles with fleet owners.

³ California Air Resource 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.

Table 3: Demographic Data

Location	Los Angeles (San Pedro) (Percentage of the total population)
Below poverty level	19.5
Ethnicity	
Black	9.6
American Indian or Alaskan Native	0.7
Hispanic	48.5
White	28.7
Age	
< 5 years	6.6
> 65 years	10.5
Unemployment rate	12.3

Sources: Unemployment information from the State of California, Employee Development Department (EDD) Labor Market Information Division: <http://edd.ca.gov>; Age / ethnicity demographics, U.S. Department of Census: <http://quickfacts.census.gov/qfd/index.html> and <http://www.labormarketinfo.edd.ca.gov/Content.asp?pageid=133>

Table 4: EJ Indicators by Location

	Minority	Poverty Level	Unemployment Rate
Los Angeles (San Pedro)	x	X	x

Source: Energy Commission staff analysis