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STAFF REPORT

Localized Health Impacts Report

**Addendum 1 for Selected Project Awarded
Funding Through the Clean Transportation
Program Under Solicitation GFO-21-601 —
Charging Access for Reliable On-Demand
Transportation Services (CARTS)**

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California Energy Commission

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ADDENDUM 1

The Localized Health Impacts Report (LHI Report) for Grant Solicitation GFO-21-601 was posted April 7, 2022 (CEC-600-2022-056).¹ This addendum uses the same approach to assess the localized health impacts for a project with location changes. The GFO-21-601 awardee FreeWire Technologies (FreeWire) proposes to replace one Level 2 electric vehicle (EV) charging station location. This revised location is described in Table 1, along with environmental justice (EJ) indicators.²

This revised location will be new construction, so the awardee did not provide an exact address. However, the revised location will be on the southeastern corner of the western intersection³ of Cosumnes River Boulevard and Delta Shores Circle South in Sacramento. This location replaces the previously planned site at 1243 W March Ln, Stockton, CA 95207.

Table 1: Details of Revised Project Location Along With EJ Indicators

Awardee	Project Title	Revised Site Location	EJ Indicators for Revised Location
FreeWire Technologies	Enabling TNC EV Adoption Through the Deployment of Battery-Integrated DC Fast Chargers in Central California	Corner of Cosumnes River Blvd and Delta Shores Cir S, Sacramento, CA 95832	Poverty

Sources: CEC staff, Google Maps

Air Quality and EJ Indicators

CEC staff identifies high-risk community project locations using data from the California Air Resources Board (CARB), the U.S. Census Bureau, and other public agencies. The data are analyzed to assign EJ indicators for each project location, as shown in Table 1 with further detail in Table 2. The proposed project location must meet a two-part environmental and demographic standard to be considered in a “high-risk community.”

Part 1: Environmental Standard

Communities meet the environmental standard if they have a high concentration of air pollutants. These pollutants include ozone, particulate matter⁴ 2.5 microns in diameter or less

1 Comiter, Michael. 2022. *Localized Health Impacts Report: Selected Projects Awarded Funding Through the Clean Transportation Program Under Solicitation LHI GFO-21-601 Charging Access for Reliable On-Demand Transportation Services (CARTS)*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2022-056.

2 EJ indicators were developed by the U.S. EPA, Office of Policy. See “[Environmental Justice Indexes in EJScreen](https://www.epa.gov/ejscreen/environmental-justice-indexes-ejscreen).” U.S. Environmental Protection Agency. Available at <https://www.epa.gov/ejscreen/environmental-justice-indexes-ejscreen>.

3 Delta Shores Circle South intersects Cosumnes River Boulevard twice.

4 *Particulate matter* is unburned fuel particles that form smoke or soot and stick to lung tissue when inhaled. The number following “PM” represents particle size in micrometers.

(PM_{2.5}), or particulate matter 10 microns in diameter or less (PM₁₀). The environmental standard uses CARB air quality monitoring data on nonattainment⁵ status for these pollutants.

Part 2: Demographic Standard

Communities meet the demographic standard if they have two or more of the following EJ indicators for (1) minority, (2) age, (3) poverty, and (4) unemployment. Staff defines the EJ indicator thresholds as:

1. A minority subset represents more than 30 percent of a given city's population.
2. The percentage of people living in a city who are younger than 5 years of age, or who are 65 years of age or older, is more than 20 percent higher than the state average for those age categories.
3. A city's poverty level exceeds the state average poverty level.
4. The city (or county if city data are unavailable) unemployment rate exceeds the state average unemployment rate.

The demographic standard uses the U.S. Census Bureau's American Community Survey five-year estimates⁶ on race, ethnicity, age, and poverty, and the California Employment Development Department's monthly data⁷ on unemployment. Specifically, this LHI Report Addendum uses city-level unemployment data.⁸ Unemployment data are not seasonally adjusted.

Analysis Results

Based on data for the year 2020,⁹ the revised project location meets the environmental standard, since it is located within a nonattainment zone for ozone and PM₁₀. This indicates that there may be existing poor air quality around the proposed project location.

However, the revised project location does not meet the demographic standard since it does not exceed the threshold for two or more EJ indicators (Table 2). Therefore, the revised location is not considered to be in a high-risk community.

In Table 2, an asterisk (*) indicates categories that exceed a given EJ indicator threshold. A city/county name in **bold** indicates a high-risk community.

5 A *nonattainment* area is a geographic area that does not meet state and/or national Ambient Air Quality Standards for a given pollutant. See "[Maps of State and Federal Area Designations](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)." California Air Resources Board. Available at <https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>.

6 American Community Survey codes DP05 and S1701 were used to find data. See "[Explore Census Data](https://data.census.gov/cedsci/)." U.S. Census Bureau. Available at <https://data.census.gov/cedsci/>.

7 Overview page with data from most recent and previous months: "[Unemployment Rate and Labor Force](https://labormarketinfo.edd.ca.gov/data/unemployment-and-labor-force.html)." Employment Development Department. Available at <https://labormarketinfo.edd.ca.gov/data/unemployment-and-labor-force.html>.

8 Most recent data only: "[Monthly Labor Force Data for Cities and Census Designated Places \(CDP\)](https://labormarketinfo.edd.ca.gov/file/lfmonth/allsubs.xls)." Employment Development Department. Available at <https://labormarketinfo.edd.ca.gov/file/lfmonth/allsubs.xls>.

9 "[Maps of State and Federal Area Designations](https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations)." California Air Resources Board. Available at <https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>.

Table 2: EJ Indicators by Project Location City Demographic

Site Location	American Indian and Alaska Native (2020)	Asian (2020)	Black or African American (2020)	Hispanic or Latino (Any Race) (2020)	Native Hawaiian and Pacific Islander (2020)	Under 5 Years of Age (2020)	65 Years of Age and Over (2020)	Below Poverty Level (2020)	Unemployment (April 2022)
California	0.8%	14.8%	5.7%	39.1%	0.4%	6.1%	14.3%	12.6%	3.8%
EJ Indicator Threshold	30%	30%	30%	30%	30%	26.1%	34.3%	12.6%	3.8%
Sacramento	0.8%	19.3%	13.5%	28.3%	1.7%	6.5%	13.3%	15.7%*	3.7%

Sources: CEC staff, Employment Development Department, and U.S. Census Bureau.

Location Analysis Summary

According to staff’s assessment, the proposed revised project location is not within a high-risk community. Staff anticipates that the impacts to the community will remain positive, in terms of cleaner air and reduced greenhouse gases.

Public Comment

As provided by Title 13 CCR Section 2343, a 30-day public review period applies to this LHI report from the date it is posted on the CEC website. The [original posting date for this report](#) is at <https://www.energy.ca.gov/altfuels/documents/>.

The CEC encourages comments by email. Please include your name or organization's name in the name of the file. Send comments in either Microsoft® Word format (.doc) or Adobe® Acrobat® format (.pdf) to FTD@energy.ca.gov.

The public can email comments to FTD@energy.ca.gov or send them to:

California Energy Commission
Fuels and Transportation Division
715 P Street, MS-44
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