



**CALIFORNIA
ENERGY COMMISSION**



**CALIFORNIA
NATURAL
RESOURCES
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California Energy Commission

STAFF REPORT

Localized Health Impacts Report

**Addendum 5 for Selected Projects
Awarded Funding 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 5

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 overall approach, with one mathematical adjustment, to assess the localized health impacts for two projects with location changes. (In some cases, CEC staff describes changes in an “LHI Report Revision.” When project changes require new location analysis, however, staff releases an “LHI Report Addendum” with a new 30-day public comment period.)

The GFO-21-601 awardee ChargePoint, Inc. (ChargePoint) proposes to replace the previously planned electric vehicle (EV) charging sites in their Northern California project with three new sites. These will have a total of 24 direct-current fast chargers (DCFCs). ChargePoint proposes to replace the planned Southern California sites with four new sites, also with a total of 24 DCFCs. These revised locations and the corresponding number of chargers are described in Table 1, along with environmental justice (EJ) indicators.

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

Awardee	Project Title	Revised Site Location	Number of DCFCs	EJ Indicators for Revised Location
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in NorCal	1395 Airport Blvd San Jose, CA 95110	10	Minority
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in NorCal	879 Blossom Hill Rd San Jose, CA 95123	6	Minority
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in NorCal	1980 Santa Rosa Ave Santa Rosa, CA 95407	8	Age, Minority
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in SoCal	1630 186th St Gardena, CA 90248	8	Minority, Unemployment
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in SoCal	4339 Donald Douglas Dr Long Beach, CA 90806	8	Minority, Poverty, Unemployment
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in SoCal	E 12th St (Kimball Park) National City, CA 91950	4	Minority, Poverty, Unemployment
ChargePoint	Scalable Approach to EV Infrastructure for TNCs in SoCal	4200 E 4th St Ontario, CA 91764	4	Minority, Poverty

Source: CEC staff

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 \(CARTS\)](https://www.energy.ca.gov/publications/2022/localized-health-impacts-report-selected-projects-awarded-funding-through-clean-1). California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2022-056. Accessed December 21, 2022. Available at <https://www.energy.ca.gov/publications/2022/localized-health-impacts-report-selected-projects-awarded-funding-through-clean-1>.

Air Quality and EJ Indicators

High-risk community project locations are identified 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 locations 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 matter 2.5 microns in diameter or less (PM_{2.5}), or particulate matter 10 microns in diameter or less (PM₁₀). The environmental standard uses CARB air quality monitoring data on nonattainment² status for these pollutants.

Part 2: Demographic Standard

Communities meet the demographic standard if they have two or more EJ indicators for minority, age, poverty, and 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 1.2 times (more than 20 percent higher than) the state average for those age categories. Note: This mathematical definition has been clarified from the full report, which used a different interpretation of “20 percent higher.”
3. A city’s poverty rate exceeds the state average poverty rate.
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 estimates³ on race, ethnicity, age, and poverty, and the California Employment Development Department’s monthly data⁴ on unemployment. Specifically, this LHI Report Addendum uses city-level⁵ unemployment data. Unemployment data are not seasonally adjusted.

² 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. Accessed December 22, 2022. Available at <https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>.

³ 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. Accessed December 22, 2022. Available at <https://data.census.gov/cedsci/>.

⁴ 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. Accessed December 22, 2022. Available at <https://labormarketinfo.edd.ca.gov/data/unemployment-and-labor-force.html>.

⁵ 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. Accessed December 22, 2022. Available at <https://labormarketinfo.edd.ca.gov/file/lfmonth/allsubs.xls>.

Analysis Results

Using 2020 data,⁶ the revised project locations meet the environmental standard since they are within a nonattainment zone for ozone, PM_{2.5}, or PM₁₀. This indicates that there may be existing poor air quality around the proposed project locations.

All revised project locations also meet the demographic standard since they exceed the threshold for two or more EJ indicators (Table 2). Therefore, the revised locations are in high-risk communities.

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

Table 2: EJ Indicators by Project Location City Demographic

Site Location	American Indian and Alaska Native (2021)	Asian (2021)	Black or African American (2021)	Hispanic or Latino (Any Race) (2021)	Native Hawaiian and Pacific Islander (2021)	Under 5 Years of Age (2021)	65 Years of Age and Over (2021)	Below Poverty Level (2021)	Unemployment (November 2022)
California	0.9%	14.9%	5.7%	39.5%	0.4%	6.0%	14.4%	12.3%	4.0%
EJ Indicator Threshold	30%	30%	30%	30%	30%	7.2%	17.3%	12.3%	4.0%
Gardena†	0.9%	25.5%	19.4%	42.9%*	0.1%	5.1%	16.1%	12.3%	4.8%*
Long Beach†	1.0%	13.0%	12.1%	43.9%*	0.5%	5.8%	12.0%	15.4%*	4.6%*
National City†	0.3%	17.2%	4.4%	65.3%*	0.7%	5.3%	15.2%	15.2%*	4.4%*
Ontario†	1.4%	7.0%	5.7%	69.9%*	0.3%	6.8%	9.8%	13.0%*	3.7%
San Jose†	0.8%	37.5%*	3.0%	31.0%*	0.5%	5.7%	13.2%	7.7%	2.5%
Santa Rosa†	1.2%	5.9%	2.0%	34.0%*	0.4%	5.0%	17.9%*	9.8%	3.0%

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

Location Analysis Summary

The proposed project locations are assessed according to the original LHI method. The assessment shows that the proposed project locations are within high-risk communities. However, staff does not expect the projects to significantly increase local pollution. Instead,

⁶ "Maps of State and Federal Area Designations." California Air Resources Board. Accessed December 22, 2022. Available at <https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>.

staff anticipates that the impacts to the communities 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 Addendum from the date it is posted on the CEC website. The [original posting date for this report](https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/localized-health-impacts-reports) is at <https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/localized-health-impacts-reports>.

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 mail a hard copy to:

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