DOCKETED	
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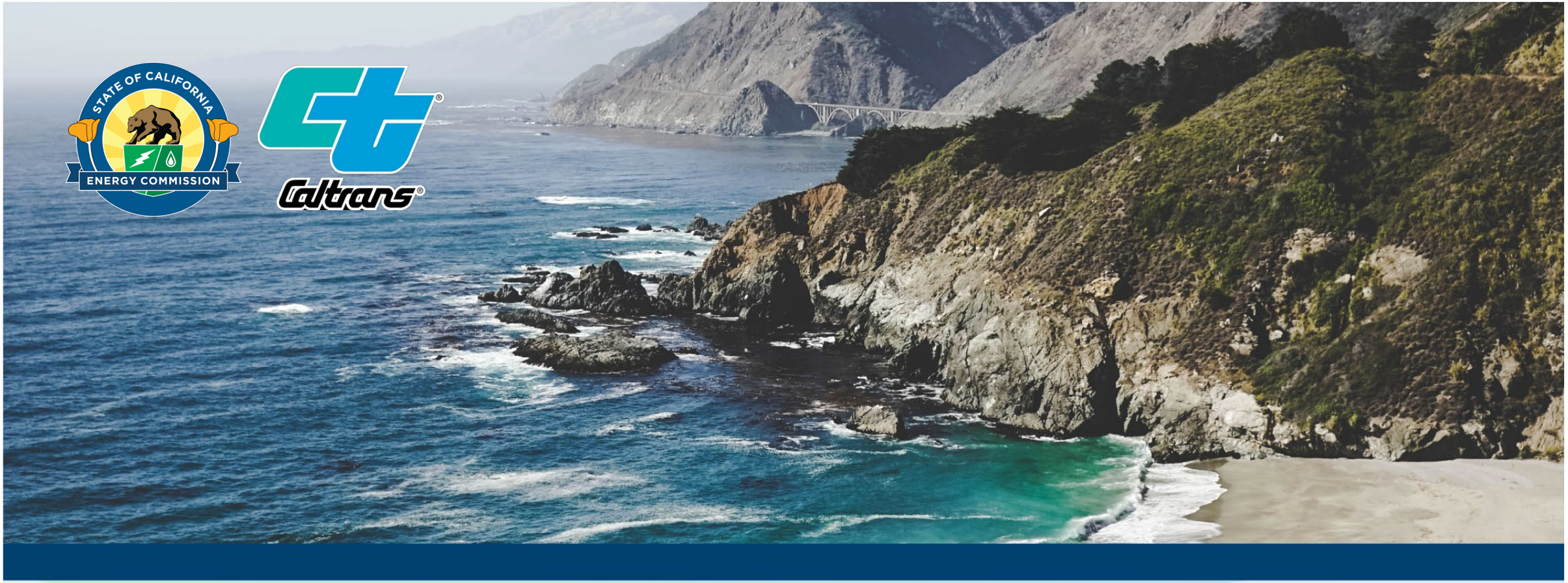


National Electric Vehicle Infrastructure (NEVI) Program Tools Informational Workshop

April 13, 2023 | 10:30 am

Workshop Agenda

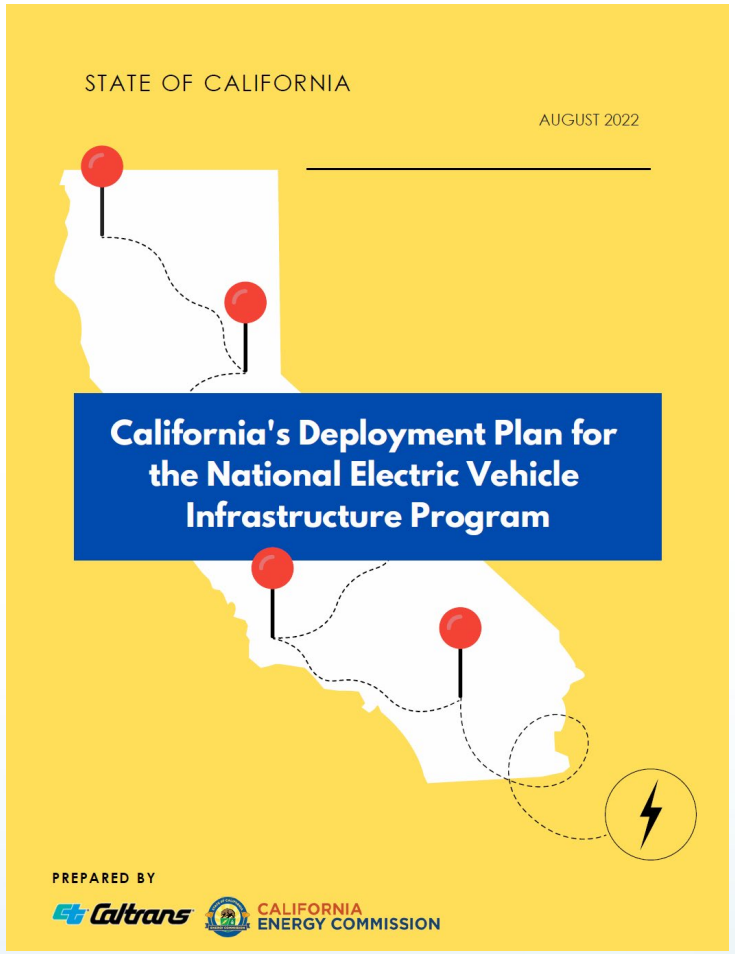
- Housekeeping
- NEVI Program Update
- Corridor Group Interactive Map
- Matchmaking Tool
- Question & Answers
- Adjourn

Housekeeping

- Workshop is recorded on Zoom
- Virtual Participation via Zoom or telephone during the Q&A period
- Presentation is available online
- CEC NEVI web page: https://www.energy.ca.gov/programs-and-topics/programs/national-electric-vehicle-infrastructure-program-nevi
- NEVI Docket 22-EVI-05: https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-EVI-05

NEVI Program Update

NEVI Program Background



[California's Deployment Plan for the NEVI Program]

1. Formula funding: $384M for California over 5 years
2. Will support charging stations (EV only) on private sites along 6,600 miles of interstates, US routes, and state routes in California
3. At least four fast chargers every 50 miles or less and no more than one mile from corridor
4. 50% of chargers must be in Disadvantaged Communities/Low-Income Communities (DAC/LIC) and 40% in Justice40 communities

NEVI Standards and Requirements

- Final minimum standards for federally funded electric vehicle charging infrastructure projects
- Posted on February 28, 2023
- Effective March 30, 2023
- Available on the Federal Register: https://www.federalregister.gov/documents/2023/02/28/2023-03500/national-electric-vehicle-infrastructure-standards-and-requirements

12724 **Federal Register** / Vol. 88, No. 39 / Tuesday, February 28, 2023 / Rules and Regulations

DEPARTMENT OF TRANSPORTATION

Federal Highway Administration

23 CFR Part 680

[FHWA Docket No. FHWA–2022–0008]

RIN 2125–AG10

National Electric Vehicle Infrastructure Standards and Requirements

AGENCY: Federal Highway Administration (FHWA), U.S. Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: This final rule establishes regulations setting minimum standards and requirements for projects funded under the National Electric Vehicle Infrastructure (NEVI) Formula Program and projects for the construction of publicly accessible electric vehicle (EV) chargers under certain statutory authorities, including any EV charging infrastructure project funded with Federal funds that is treated as a project on a Federal-aid highway. The standards and requirements apply to the installation, operation, or maintenance of EV charging infrastructure; the interoperability of EV charging infrastructure; traffic control device or on-premises signage acquired, installed, or operated in concert with EV charging infrastructure; data, including the format and schedule for the submission of such data; network connectivity of EV charging infrastructure; and information on publicly available EV charging infrastructure locations, pricing, real-time availability, and accessibility through mapping applications.

DATES: This final rule is effective March 30, 2023.

FOR FURTHER INFORMATION CONTACT: Mr. Gary Jensen, Office of Natural Environment, (202) 366–2048, or via email at *Gary.Jensen@dot.gov*, or Ms. Dawn Horan, Office of the Chief Counsel (HCC–30), (202) 366–9615, or via email at *Dawn.M.Horan@dot.gov*. Office hours are from 8 a.m. to 4:30 p.m., E.T., Monday through Friday, except Federal holidays.

SUPPLEMENTARY INFORMATION:

Electronic Access and Filing

This document, the notice of proposed rulemaking (NPRM), all comments received, and all background material may be viewed online at *www.regulations.gov* using the docket number listed above. Electronic retrieval help and guidelines are available on the website. It is available 24 hours each day, 365 days each year. An electronic copy of this document may also be downloaded from the Office of the Federal Register's website at *www.federalregister.gov* and the Government Publishing Office's website at *www.GovInfo.gov*.

Executive Summary

This final rule establishes regulations that set minimum standards and requirements for projects funded under the NEVI Formula Program, projects for the construction of publicly accessible EV chargers funded under Title 23, United States Code (U.S.C.).[1] This also includes any publicly accessible EV charging infrastructure project funded with Federal funds that is treated as a project on a Federal-aid highway.

The FHWA is directed by paragraph (2) under the Highway Infrastructure Program heading in title VIII of division J of the Bipartisan Infrastructure Law (BIL) (enacted as the Infrastructure Investment and Jobs Act) (Pub. L. 117–58) (Nov. 15, 2021) to create minimum standards and requirements for NEVI-funded projects. 135 Stat. 429, 1424. Congress specified that "funds made available under" the NEVI Formula Program are "subject to the minimum standards and requirements." As outlined in statute, the purpose of the NEVI Formula Program is to "provide funding to States to strategically deploy EV charging infrastructure and to establish an interconnected network to facilitate data collection, access, and reliability." This purpose is satisfied by creating a convenient, affordable, reliable, and equitable network of chargers throughout the country. Prior to the establishment of this rule, there were no national standards for the installation, operation, or maintenance of EV charging stations, and wide disparities exist among EV charging stations in key components, such as operational practices, payment methods, display of price to charge, speed and power of chargers, and information communicated about the availability and functioning of each charging station. The FHWA is also directed by Section 11129 of BIL, which amends 23 U.S.C. 109, to ensure that certain EV charging station standards apply to all projects that install EV charging infrastructure using funds provided under Title 23, U.S.C. This final rule does not conflict with or supersede the implementing regulations for other Title 23, U.S.C. statutory requirements. This final rule enables States or other designated recipients to implement federally funded charging station projects in a standardized fashion in order to build a convenient, accessible, reliable, and equitable charging network across the country that can be utilized by all EVs regardless of vehicle brand. Such standards provide reliable expectations for travel in an EV across and throughout the United States, regardless of which State you charge in, and support a national workforce skilled and trained in charging station installation and maintenance.

The BIL specifically requires minimum standards and requirements be developed related to at least six areas:

(1) Installation, operation, and maintenance by qualified technicians of EV infrastructure. The FHWA requires general consistency with regard to the installation, operation, and maintenance and technician qualifications of the NEVI Formula Program projects and projects for the construction of publicly accessible EV chargers that are funded under Title 23, U.S.C., including any EV charging infrastructure project funded with Federal funds that is treated as a project on a Federal-aid highway. In terms of standards for installation, operation, and maintenance, charging stations are required to contain a minimum number of ports, types of connectors, payment methods, and requirements for customer support services. In terms of technician qualifications, there are minimum requirements for training, and certification standards for technicians installing, operating, and maintaining chargers to ensure consistency around quality installation and safety across the network. This final rule provides the traveling public with reliable expectations for their EV charging experience anywhere that NEVI Formula funds or Title 23, U.S.C. funds, including Federal funds for projects that are treated as a project on a Federal-aid highway, are used to construct EV charging infrastructure. In addition to requirements that are customer-facing, a series of additional requirements provide less visible, yet critical, standardization and uniformity for how charging stations would be installed, maintained, and operated. These types of requirements address topics such as the certification of charging equipment, security, long-term stewardship, the qualifications of technicians installing and maintaining charging stations, and the privacy of customer data conveyed. This final rule also explains what the program income can be used for when there is net income from the sale, use, lease, or lease renewal of real property

[1] Refer to "DOT Funding and Financing Programs with EV Eligibilities" chart on pages 10–11 in the NEVI Formula Program Guidance, available at *https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf*.

NEVI Implementation Timeline

Milestone	Timeline
Draft NEVI Plan released	June 8, 2022
CA submits final plan	August 1, 2022
CEC-Caltrans Pre-Solicitation Workshop	September 7-8, 2022
Federal approval of California's NEVI Plan	September 14, 2022
CA develops NEVI solicitation	Underway
Anticipated first round of solicitation release	**Mid 2023**

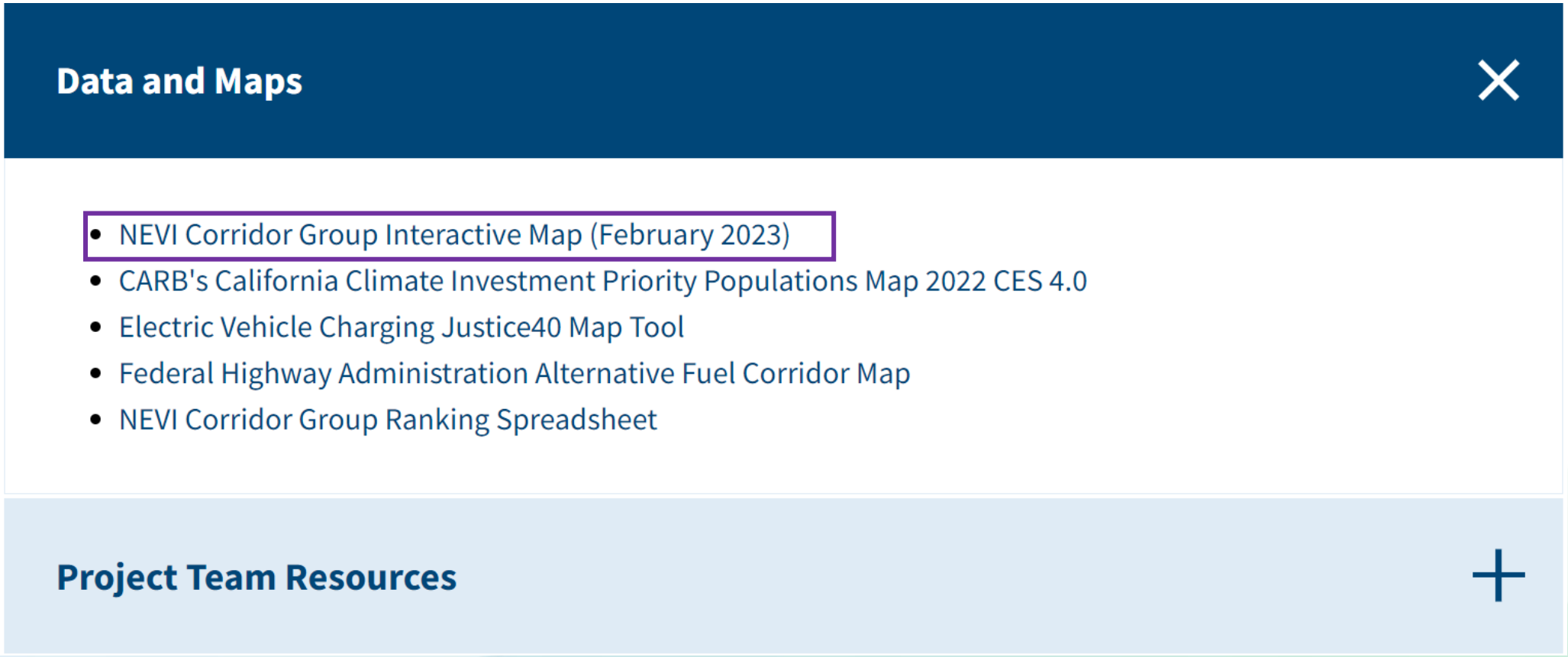
NEVI Corridor Group Interactive Map

Purpose of Interactive Map

- Identify eligible areas for infrastructure deployment under California's National Electric Vehicle Infrastructure Formula Program

Where to Find the Interactive Map

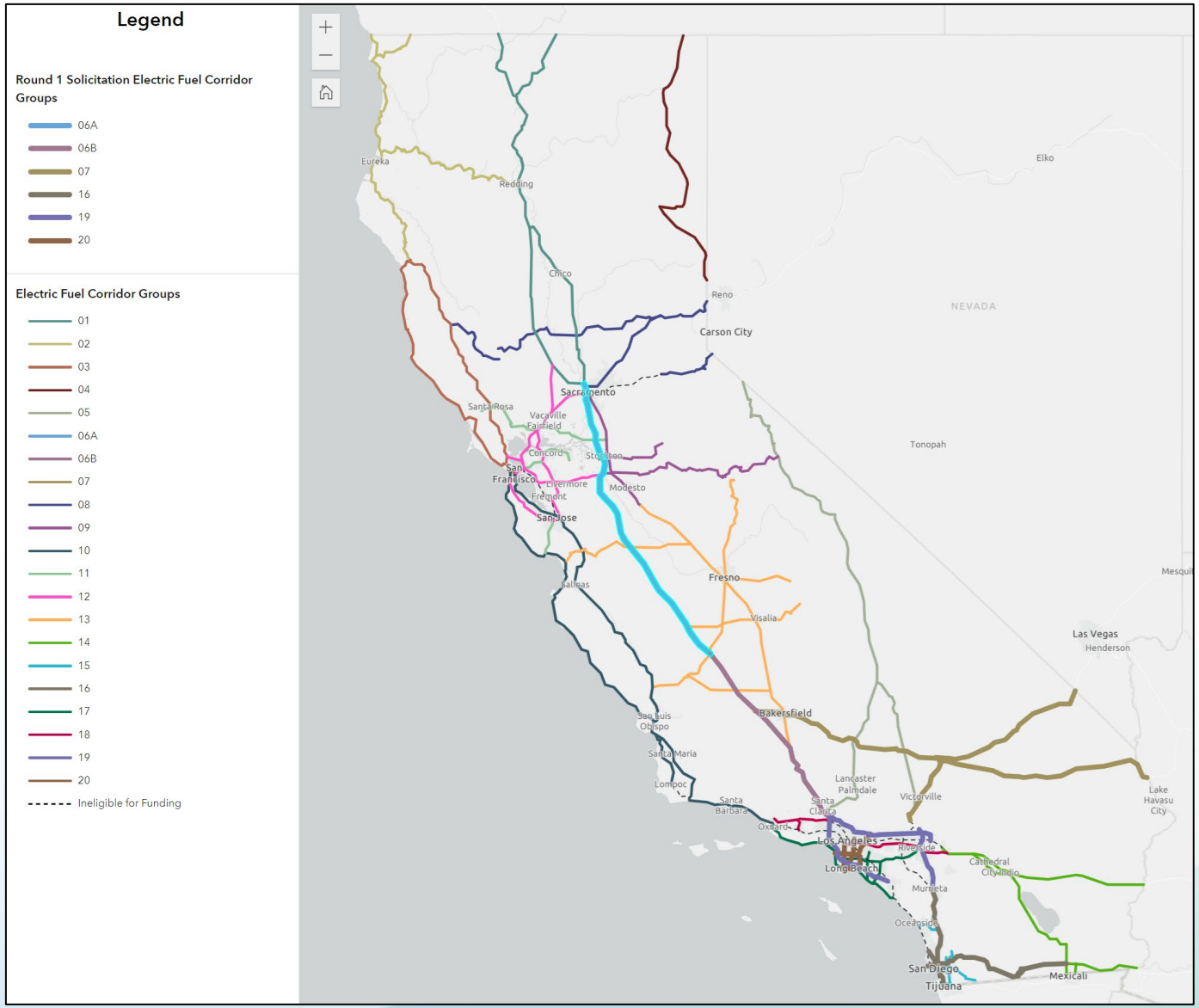
CEC NEVI Webpage: https://www.energy.ca.gov/programs-and-topics/programs/national-electric-vehicle-infrastructure-program-nevi



Available Map Layers

- Round 1 solicitation electric fuel corridor groups
- Electric fuel corridor groups
- Stations that meet NEVI requirements
- DC fast charging stations that do not meet NEVI requirements but within 1-mile of corridor
- Disadvantaged communities designated by Justice40
- Low-income or disadvantaged communities designated by California
- California and Justice40 disadvantaged or low-income communities
- Federally Recognized Tribal Lands
- Metropolitan Planning Organizations
- Regional Transportation Planning Agencies
- California Counties
- Caltrans Districts
- Electric Utilities

Corridor Group Layers



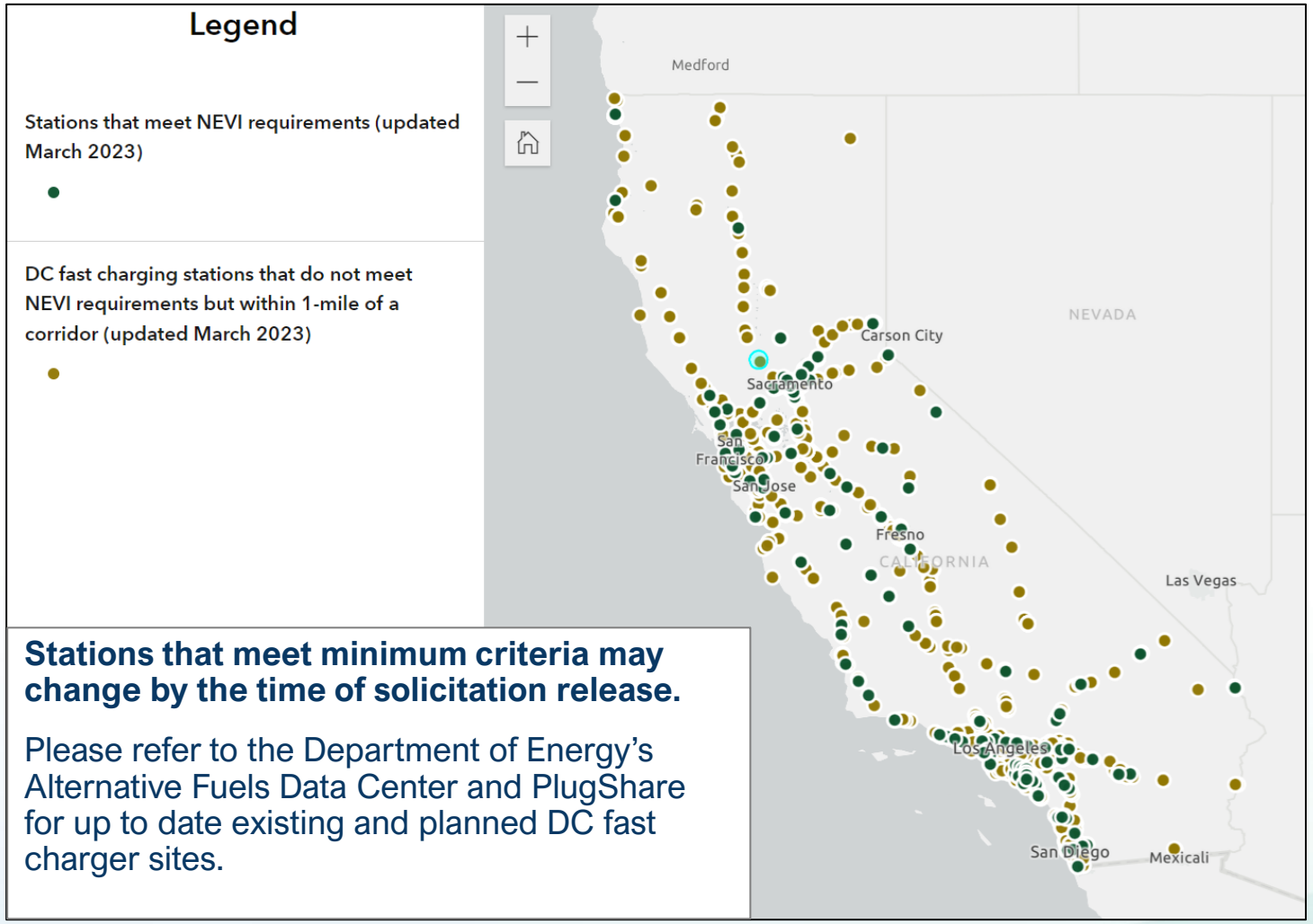
Zoom to 1 of 2

Sacramento to Kettleman City (I-5)

Corridor Segment	Sacramento to Kettleman City
Corridor Group	06A
Alternative Fuel Corridor	I-5
Minimum Sites	2
Chargers Required	67
Required Sites	NA
Additional Notes	

- A **Corridor Segment** is a portion of a highway corridor.
- A **Corridor Group** is a group of one or more corridor segments.
- **Minimum Sites** refer to the minimum number of project sites a corridor segment must have to be eligible for NEVI funding.

Station Layers



Stations that meet minimum criteria may change by the time of solicitation release.

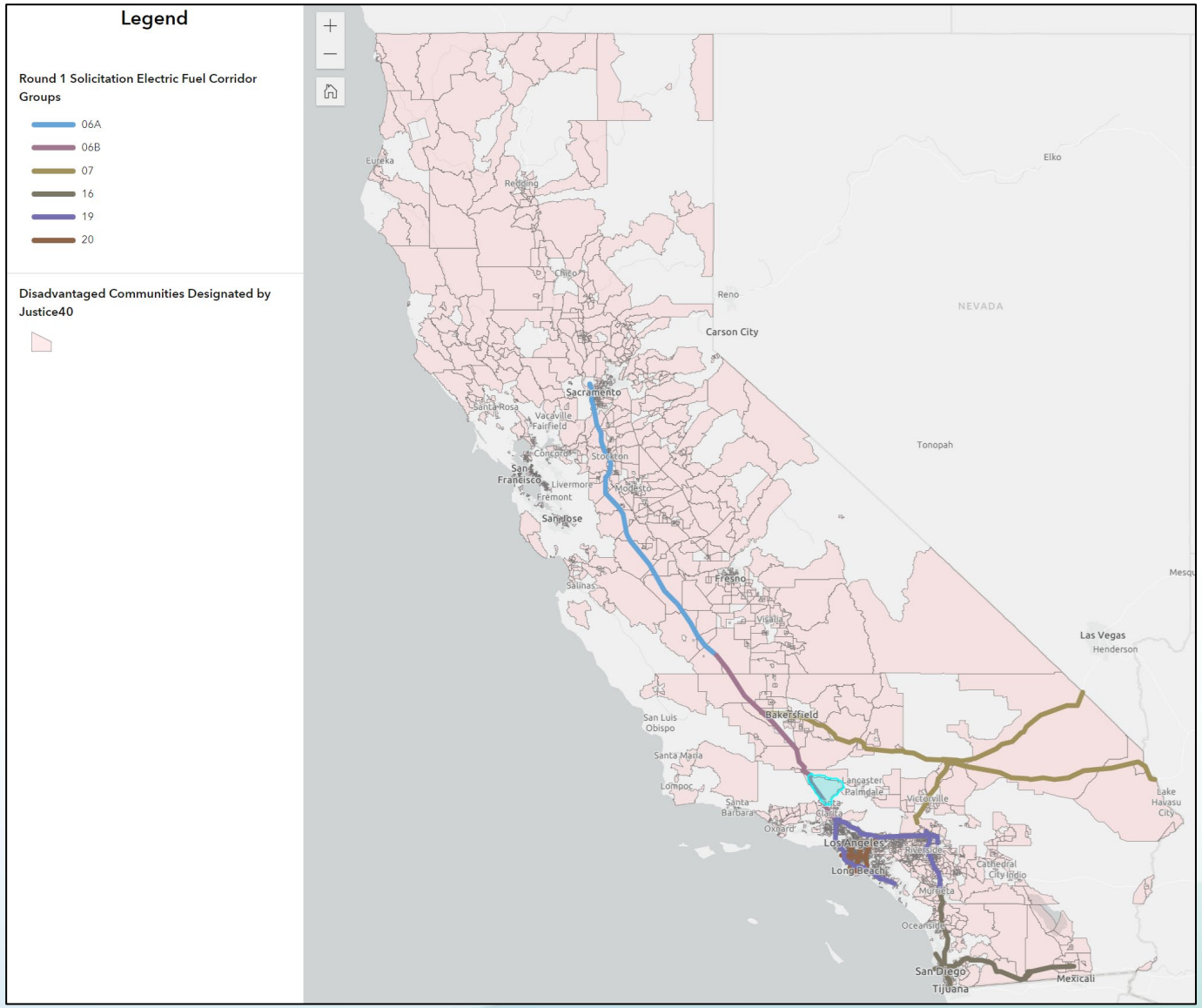
Please refer to the Department of Energy's Alternative Fuels Data Center and PlugShare for up to date existing and planned DC fast charger sites.

Zoom to 1 of 2

America's Best Value Inn

Fuel Type Code	ELEC
Station Name	America's Best Value Inn
Street Address	3930 County Road 89
City	Dunnigan
State	CA
ZIP	95937
EV Level2 EVSE Num	
EV DC Fast Count	4
EV Network	Electrify America
Latitude	38.882320
Longitude	-121.972460
Date Last Confirmed	9/27/2022, 5:00 PM
ID	121776
EV Connector Types	CHADEMO J1772COMBO
EV Total Port Count	4
EV CHAdeMO Port Count	1
EV J1772 Port Count	0
EV CCS Type1 Port Count	4
EV Tesla Port Count	0
EV CCS 150kW plus Port Count	4
NEVI Minimum Standard	Yes

Equity Layers: Disadvantaged Communities Designated by Justice40

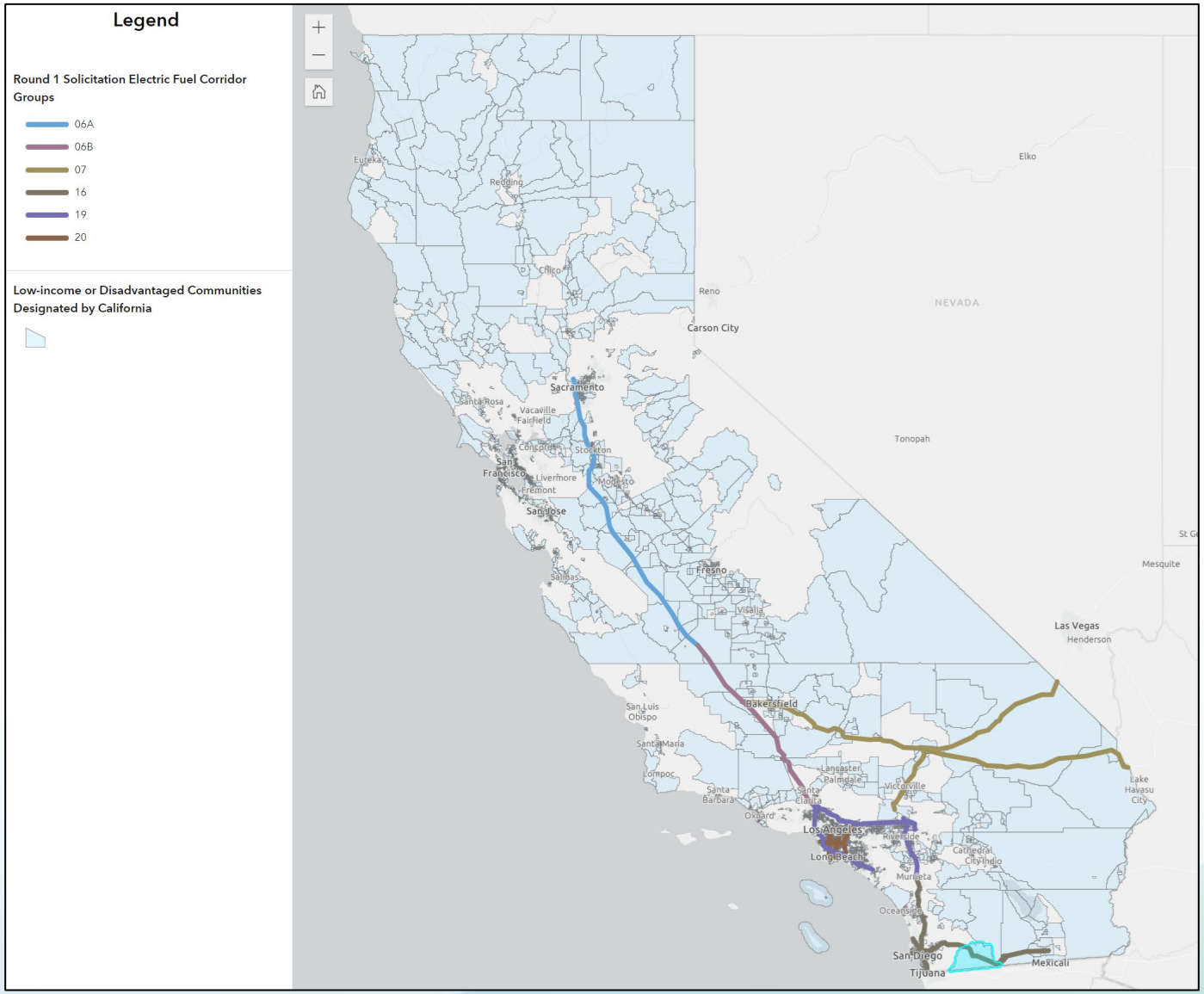


Zoom to 1 of 2

Census Tract 06037920102

GEOID	06037920102
CITY	Castaic
COUNTY	Los Angeles County, CA
CBSANAME	Los Angeles-Long Beach-Anaheim, CA

Equity Layers: Low-income or Disadvantaged Communities Designated by California

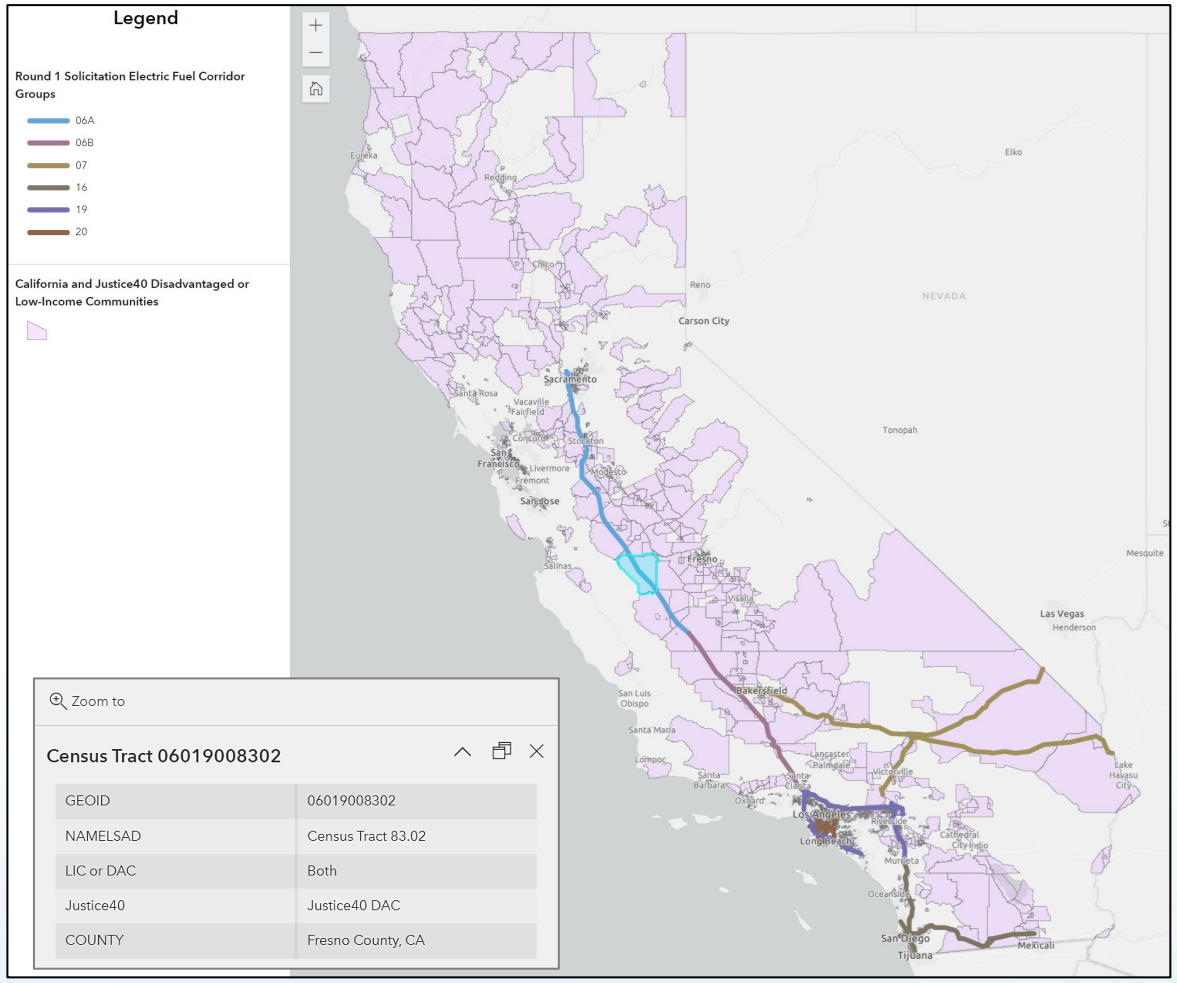


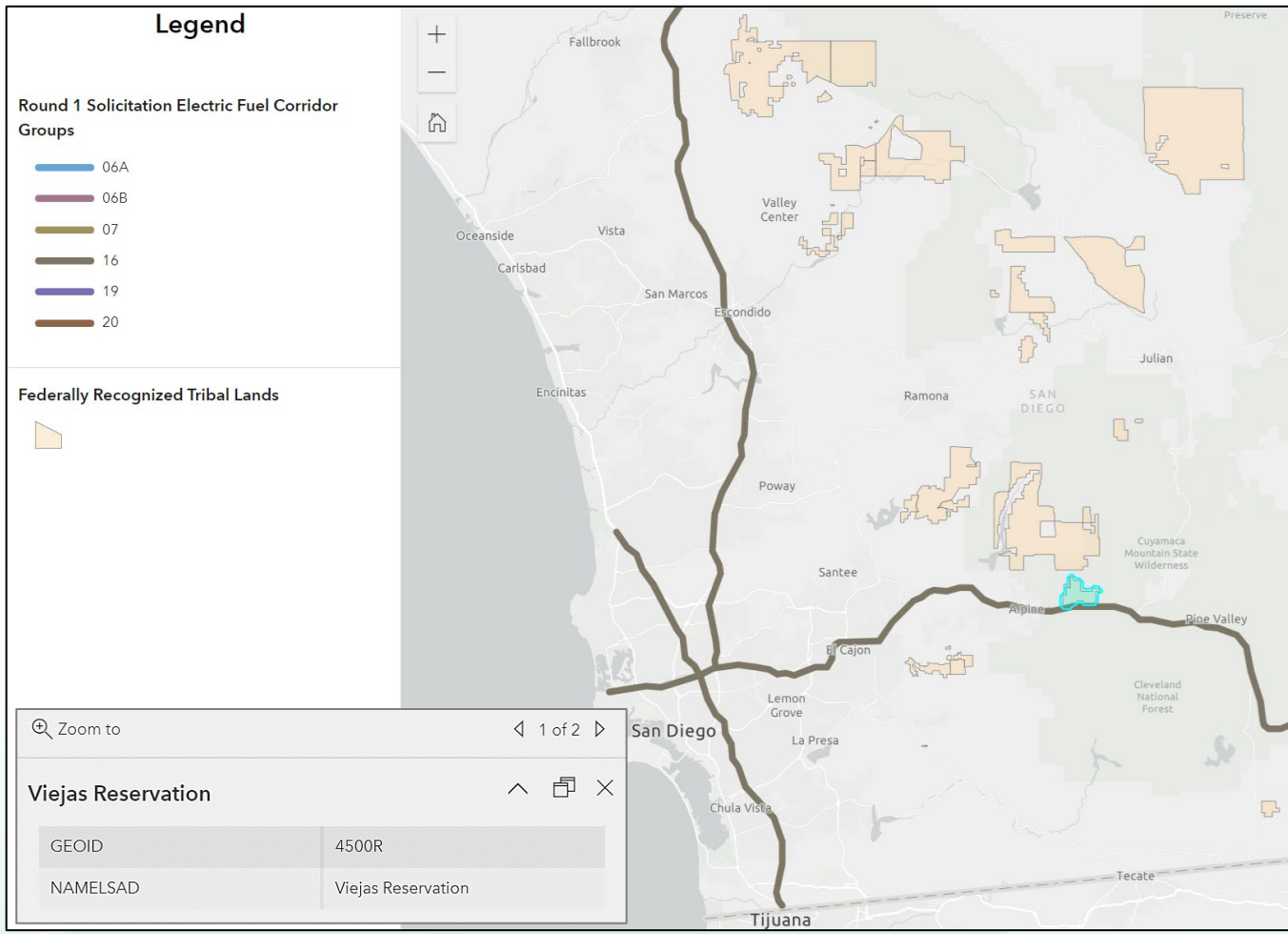
Zoom to

Census Tract 06073021100

GEOID	06073021100
LIC or DAC	LIC

Equity Layers: California and Justice40 Disadvantaged or Low-income Communities and Federally Recognized Tribal Lands





Boundary Layers

Metropolitan Planning Organizations

Zoom to

Sacramento Area Council of Governments (SACOG)

MPO	Sacramento Area Council of Governments
MPO LABEL	SACOG

Regional Transportation Planning Agencies

Zoom to

Sacramento Area Council of Governments

RTPA	Sacramento Area Council of Governments
LABEL RTPA	SACOG

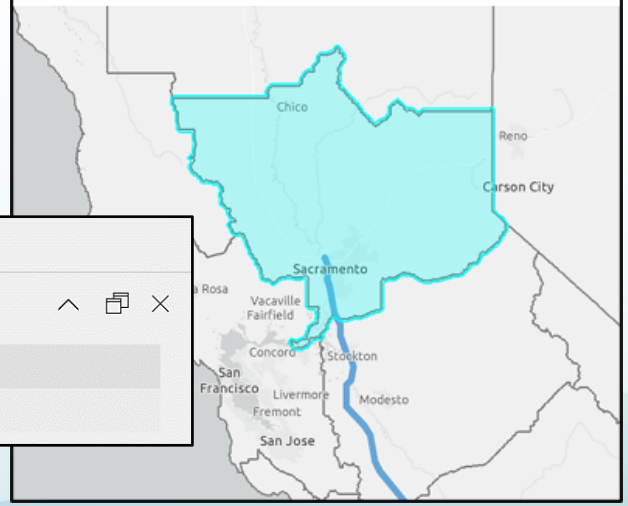
California Counties

Zoom to

Sacramento County

NAME	Sacramento County
STATE NAME	California

Caltrans Districts

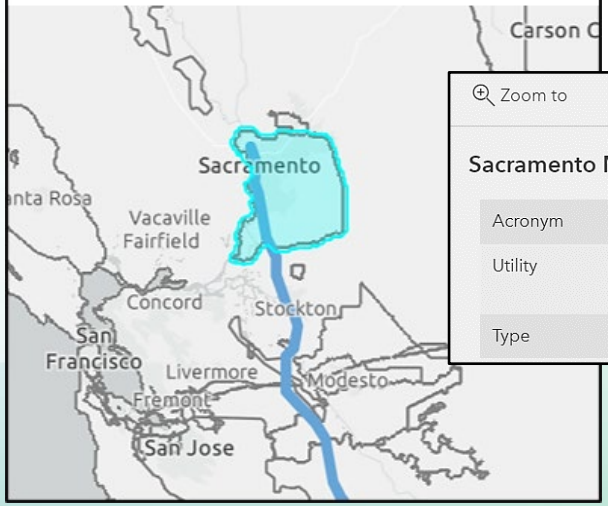


Zoom to

Caltrans District 3

DISTRICT	3
Region	North

Electric Utilities



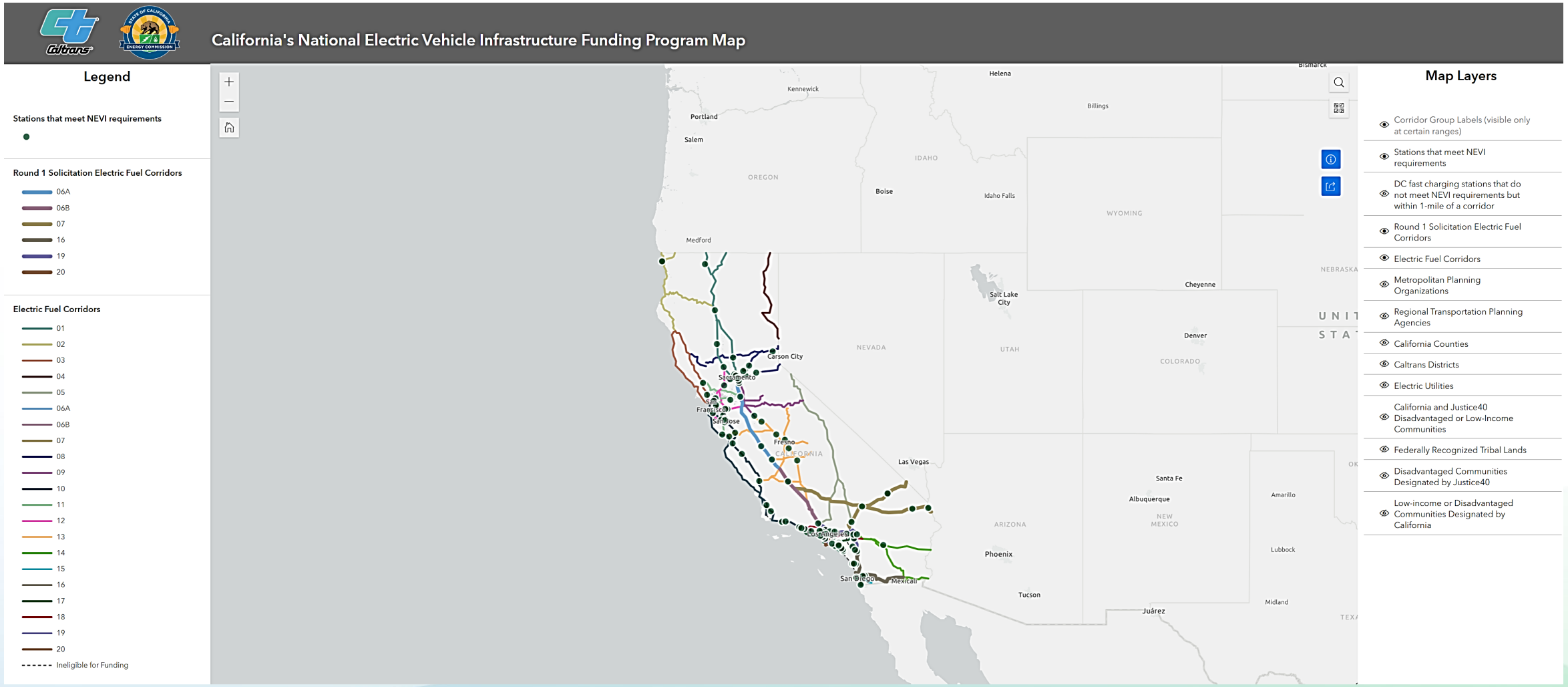
Zoom to

Sacramento Municipal Utility District

Acronym	SMUD
Utility	Sacramento Municipal Utility District
Type	POU

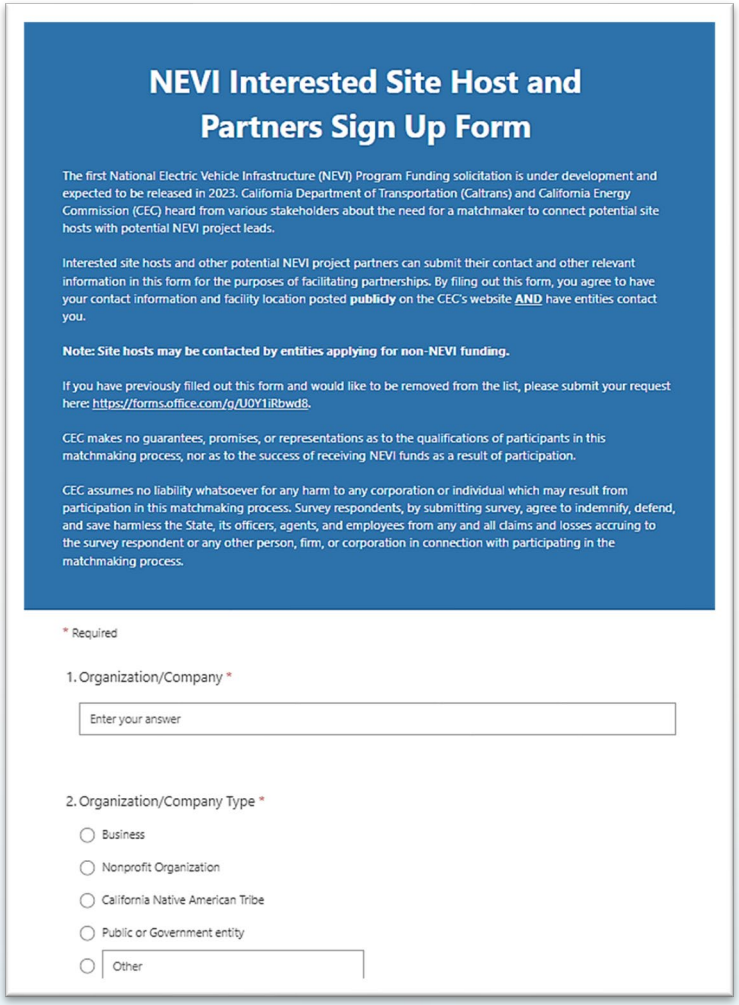
Live Demo of Interactive Map

NEVI Funding Program Map



NEVI Matchmaking Tool

Purpose of Matchmaking Tool



NEVI Interested Site Host and Partners Sign Up Form

The first National Electric Vehicle Infrastructure (NEVI) Program Funding solicitation is under development and expected to be released in 2023. California Department of Transportation (Caltrans) and California Energy Commission (CEC) heard from various stakeholders about the need for a matchmaker to connect potential site hosts with potential NEVI project leads.

Interested site hosts and other potential NEVI project partners can submit their contact and other relevant information in this form for the purposes of facilitating partnerships. By filing out this form, you agree to have your contact information and facility location posted **publicly** on the CEC's website **AND** have entities contact you.

Note: Site hosts may be contacted by entities applying for non-NEVI funding.

If you have previously filled out this form and would like to be removed from the list, please submit your request here: https://forms.office.com/g/U0Y1iRbwd8.

CEC makes no guarantees, promises, or representations as to the qualifications of participants in this matchmaking process, nor as to the success of receiving NEVI funds as a result of participation.

CEC assumes no liability whatsoever for any harm to any corporation or individual which may result from participation in this matchmaking process. Survey respondents, by submitting survey, agree to indemnify, defend, and save harmless the State, its officers, agents, and employees from any and all claims and losses accruing to the survey respondent or any other person, firm, or corporation in connection with participating in the matchmaking process.

* Required

1. Organization/Company *

Enter your answer

2. Organization/Company Type *

- ○ Business
- ○ Nonprofit Organization
- ○ California Native American Tribe
- ○ Public or Government entity
- ○ Other

[Matchmaking Tool]

Facilitate partnerships:

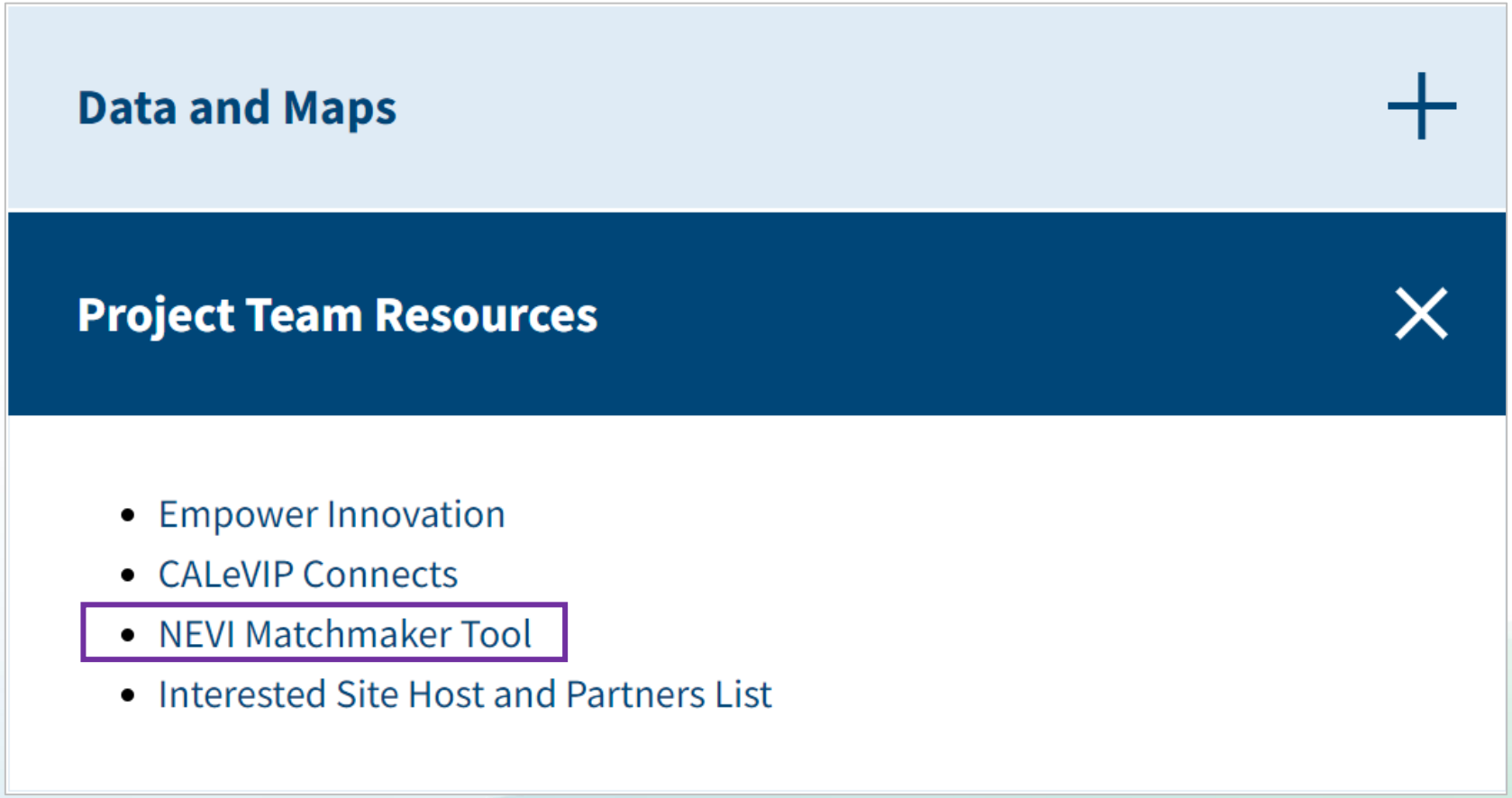
- Interested Site Hosts
- NEVI Project Partners

	A	B	C	D	E	F	G	H
1	**Organization/ Company**	**Organization /Company Type**	**Contact Name**	**Contact Email Address**	**Phone Number**	**Select type of partner**	**Select type of contractor**	**Additional Comments**
2	Company A	Public or Government entity	First1 Last1	first1.last1@email.com	(555) 111-1111	Electricity Providers (electric load serving entities such as utilities and community choice aggregators)		We provide electricity for X region of California.
3	Company B	Business	First2 Last2	first2.last2@email.com	(555) 222-2222	Equipment Distributors and Re-Sellers (businesses that sell equipment manufactured by others)	EVITP Certified Electricians;Electrical;Disadvantaged Business Enterprise;Small Business Enterprise ;	Turn-key company to assist with electric vehicle charger installation.
4	Company C	Nonprofit Organization	First3 Last3	first3.last3@email.com	(555) 333-3333	Technical Assistance (provides technical support and consultation for projects)		Can offer grant writing assistance.
5	Company D	Business	First4 Last4	first4.last4@email.com	(555) 444-4444	Contractor/Installer (contractors that install electric vehicle chargers)	Small Business Enterprise	5-years experience installing DC Fast Chargers.
6	Company E	Public or Government entity	First5 Last4	first5.last5@email.com	(555) 555-5555	Technical Assistance (provides technical support and consultation for projects)		Can provide charger siting and permitting assistance.
7	Company F	Business	First6 Last6	first6.last6@email.com	(555) 666-6666	Equipment Manufacturer (manufacturer of electric vehicle chargers)	EVITP Certified Electricians;Electrical;Disadvantaged Business Enterprise;Small Business Enterprise ;	

[Interested Site Hosts and Partners List] (Note: Sample list shown)

Where to Find the Matchmaker Tool

CEC NEVI Webpage: https://www.energy.ca.gov/programs-and-topics/programs/national-electric-vehicle-infrastructure-program-nevi



Live Demo of Matchmaker Tool

- CEC NEVI Webpage
- Matchmaking Tool
- Interested Site Hosts and Partners List

Questions & Answers

Participating via Zoom

Two ways to comment or ask questions:

1. **Use the raise hand function in Zoom**

   Zoom Phone Controls:
   *6 – toggle mute/unmute
   *9 – raise hand

2. **Type questions in the Zoom Q&A Box**

- Please state your name and affiliation.
- Keep questions under 3 minutes to allow time for others.

Contact Information

Questions about the tools?

NEVI Interactive Map: Tiffany.Hoang@energy.ca.gov

NEVI Matchmaker Tool: Thanh.Lopez@energy.ca.gov

General questions please email: mediaoffice@energy.ca.gov.

Thank You!