DOCKETED	
Docket Number:	22-EVI-03
Project Title:	National Electric Vehicle Infrastructure Deployment Plan Development, 2022-26 for CEC and Caltrans
TN #:	249581
Document Title:	Presentation - National Electric Vehicle Infrastructure (NEVI) Program Tools Informational Workshop
Description: N/A	
Filer: Spencer Kelley	
Organization:	California Energy Commission
Submitter Role: Commission Staff	
Submission Date:	4/10/2023 3:19:49 PM
Docketed Date:	4/10/2023



#### National Electric Vehicle Infrastructure (NEVI) Program Tools Informational Workshop

April 13, 2023 | 10:30 am





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





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

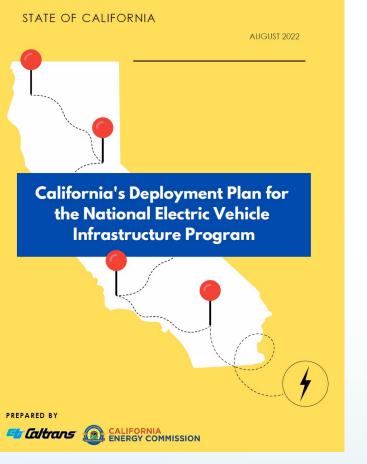


# **NEVI Program Update**









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
- 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: <u>https://www.federalregister.gov/documents/2023/0</u> <u>2/28/2023-03500/national-electric-vehicle-</u> <u>infrastructure-standards-and-requirements</u>

Federal Register/Vol. 88	<ol> <li>No. 39/Tuesday, February 28, 202</li> </ol>	3/Rules and Regulations
MENT OF TRANSPORTATION	downloaded from the Office of the	designated recipients to implement
Highway Administration	Federal Register's website at www.federalregister.gov and the	federally funded charging station projects in a standardized fashion in
Part 680	Government Publishing Office's website at www.GovInfo.gov.	order to build a convenient, accessible, reliable, and equitable charging network
ocket No. FHWA-2022-0008]	Executive Summary	across the country that can be utilized
AG10	This final rule establishes regulations	by all EVs regardless of vehicle brand. Such standards provide reliable
Electric Vehicle Infrastructure	that set minimum standards and requirements for projects funded under	expectations for travel in an EV across
is and Requirements	the NEVI Formula Program, projects for	and throughout the United States, regardless of which State you charge in,
Federal Highway	the construction of publicly accessible EV chargers funded under Title 23,	and support a national workforce skilled and trained in charging station
tration (FHWA), U.S. ent of Transportation (DOT).	United States Code (U.S.C.). <sup>1</sup> This also	installation and maintenance.
'inal rule.	includes any publicly accessible EV charging infrastructure project funded	The BIL specifically requires minimum standards and requirements
: This final rule establishes	with Federal funds that is treated as a	be developed related to at least six
ns setting minimum standards irements for projects funded	project on a Federal-aid highway. The FHWA is directed by paragraph	areas: (1) Installation, operation, and
e National Electric Vehicle	(2) under the Highway Infrastructure	maintenance by qualified technicians of
cture (NEVI) Formula Program ects for the construction of	Program heading in title VIII of division J of the Bipartisan Infrastructure Law	EV infrastructure. The FHWA requires general consistency with regard to the
accessible electric vehicle (EV)	(BIL) (enacted as the Infrastructure Investment and Jobs Act) (Pub. L. 117-	installation, operation, and maintenance
under certain statutory es, including any EV charging	58) (Nov. 15, 2021) to create minimum	and technician qualifications of the NEVI Formula Program projects and
cture project funded with	standards and requirements for NEVI- funded projects. 135 Stat. 429, 1424.	projects for the construction of publicly accessible EV chargers that are funded
unds that is treated as a project eral-aid highway. The	Congress specified that "funds made	under Title 23, U.S.C., including any EV
s and requirements apply to the	available under" the NEVI Formula Program are "subject to the minimum	charging infrastructure project funded with Federal funds that is treated as a
on, operation, or maintenance arging infrastructure; the	standards and requirements." As	project on a Federal-aid highway. In
ability of EV charging	outlined in statute, the purpose of the NEVI Formula Program is to "provide	terms of standards for installation, operation, and maintenance, charging
cture; traffic control device or ses signage acquired, installed,	funding to States to strategically deploy	stations are required to contain a
ed in concert with EV charging	EV charging infrastructure and to establish an interconnected network to	minimum number of ports, types of connectors, payment methods, and
cture; data, including the ad schedule for the submission	facilitate data collection, access, and	requirements for customer support
ata; network connectivity of EV	reliability." This purpose is satisfied by creating a convenient, affordable,	services. In terms of technician qualifications, there are minimum
infrastructure; and information cly available EV charging	reliable, and equitable network of	requirements for training, and
cture locations, pricing, real-	chargers throughout the country. Prior to the establishment of this rule, there	certification standards for technicians installing, operating, and maintaining
lability, and accessibility mapping applications.	were no national standards for the	chargers to ensure consistency around
his final rule is effective March	installation, operation, or maintenance of EV charging stations, and wide	quality installation and safety across the network. This final rule provides the
	disparities exist among EV charging	traveling public with reliable
HER INFORMATION CONTACT: Mr. sen, Office of Natural	stations in key components, such as operational practices, payment methods,	expectations for their EV charging experience anywhere that NEVI
aent, (202) 366–2048, or via	display of price to charge, speed and	Formula funds or Title 23, U.S.C. funds,
Gary.Jensen@dot.gov, or Ms. oran, Office of the Chief	power of chargers, and information communicated about the availability	including Federal funds for projects that are treated as a project on a Federal-aid
(HCC-30), (202) 366-9615, or	and functioning of each charging station. The FHWA is also directed by	highway, are used to construct EV
at Dawn.M.Horan@dot.gov. ours are from 8 a.m. to 4:30	Section 11129 of BIL, which amends 23	charging infrastructure. In addition to requirements that are customer-facing, a
., Monday through Friday, ederal holidays.	U.S.C. 109, to ensure that certain EV	series of additional requirements
ENTARY INFORMATION:	charging station standards apply to all projects that install EV charging	provide less visible, yet critical, standardization and uniformity for how
c Access and Filing	infrastructure using funds provided under Title 23, U.S.C. This final rule	charging stations would be installed,
ocument, the notice of	does not conflict with or supersede the	maintained, and operated. These types of requirements address topics such as
l rulemaking (NPRM), all is received, and all background	implementing regulations for other Title 23, U.S.C. statutory requirements. This	the certification of charging equipment, security, long-term stewardship, the
may be viewed online at	final rule enables States or other	qualifications of technicians installing
ulations.gov using the docket isted above. Electronic retrieval	<sup>1</sup> Refer to "DOT Funding and Financing Programs	and maintaining charging stations, and the privacy of customer data conveyed.
midelines are available on the	"Refer to "DUT Funding and Financing Programs with EV Eligibilities" chart on pages 10–11 in the	This final rule also explains what the

ttps://www.fhwa.dot.gov/environment/alternative

program income can be used for whe

there is net income from the sale, use

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AGENCY: Adminis Departm ACTION: 1 SUMMARY regulatio and requ under th Infrastru

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time ava through DATES: T 30, 2023 FOR FURT

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day, 365 days each year. An electronic

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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	<u>Mid 2023</u>



## **NEVI Corridor Group 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: <u>https://www.energy.ca.gov/programs-and-</u> topics/programs/national-electric-vehicle-infrastructure-program-nevi

Data and Maps

- NEVI Corridor Group Interactive Map (February 2023)
- CARB's California Climate Investment Priority Populations Map 2022 CES 4.0
- Electric Vehicle Charging Justice40 Map Tool
- Federal Highway Administration Alternative Fuel Corridor Map
- NEVI Corridor Group Ranking Spreadsheet

#### **Project Team Resources**



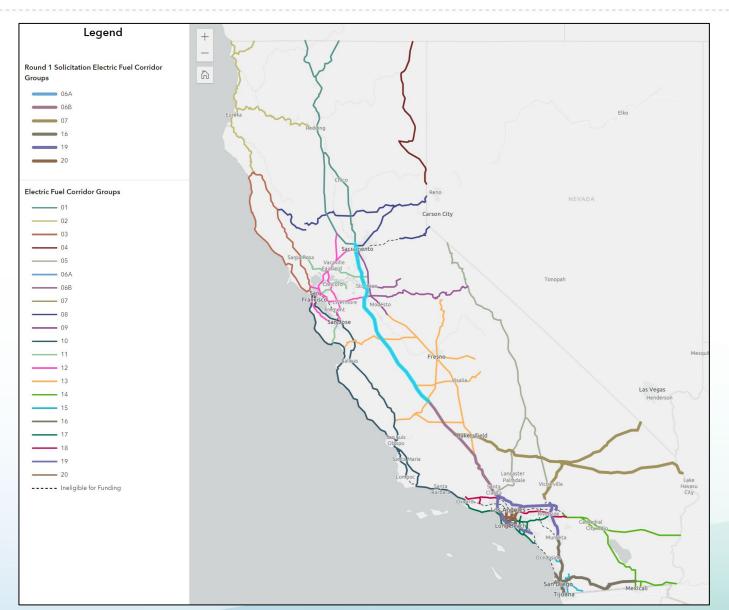


- Round 1 solicitation electric fuel corridor groups
- Electric fuel corridor groups
- Stations that meet NEVI requirements
- DC fast charging stations that do not meet NEVI requirements but within 1-mile of corridor
- Disadvantaged communities designated by Justice40
- Low-income or disadvantaged communities 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**



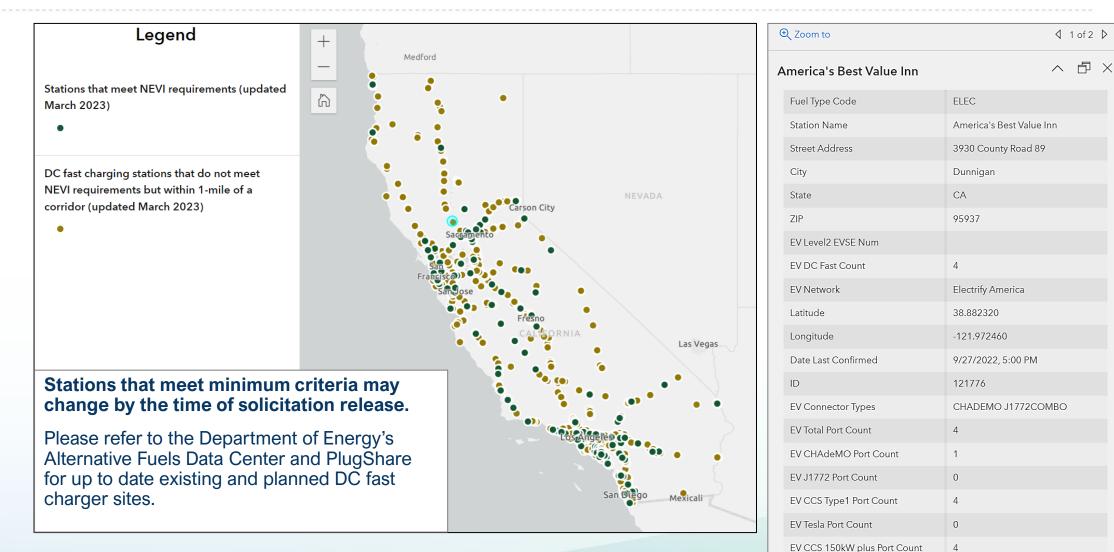


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S	acramento to Kettleman City	^	ð	×		
	Corridor Segment	Sacramento to Kettler	nan C	ity		
	Corridor Group	06A				
	Alternative Fuel Corridor	1-5				
	Minimum Sites	2				
	Chargers Required	67				
	Required Sites	NA				
	Additional Notes					

- 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.





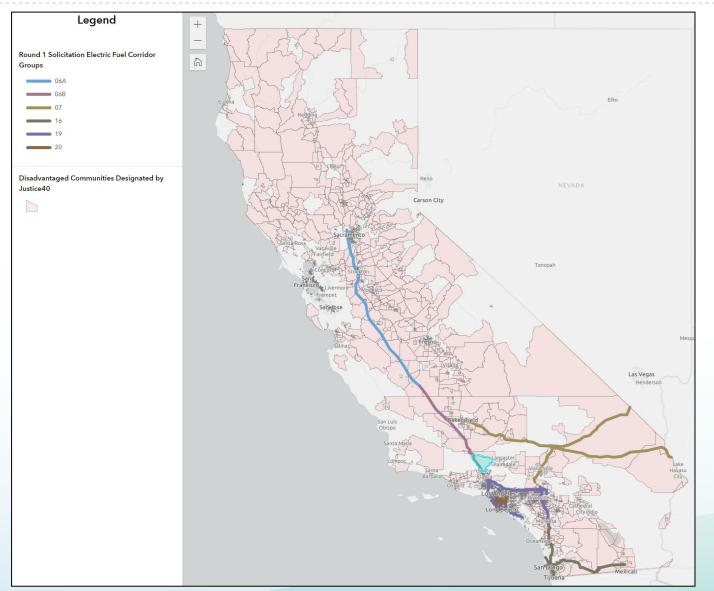


NEVI Minimum Standard

Yes

#### Equity Layers: Disadvantaged Communities Designated by Justice40

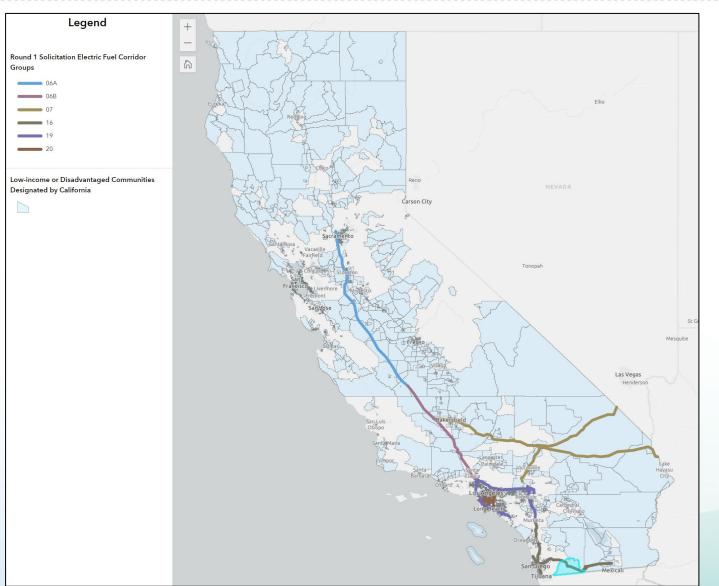




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CBSANAME	Los Angeles-Long Beach- Anaheim, CA

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



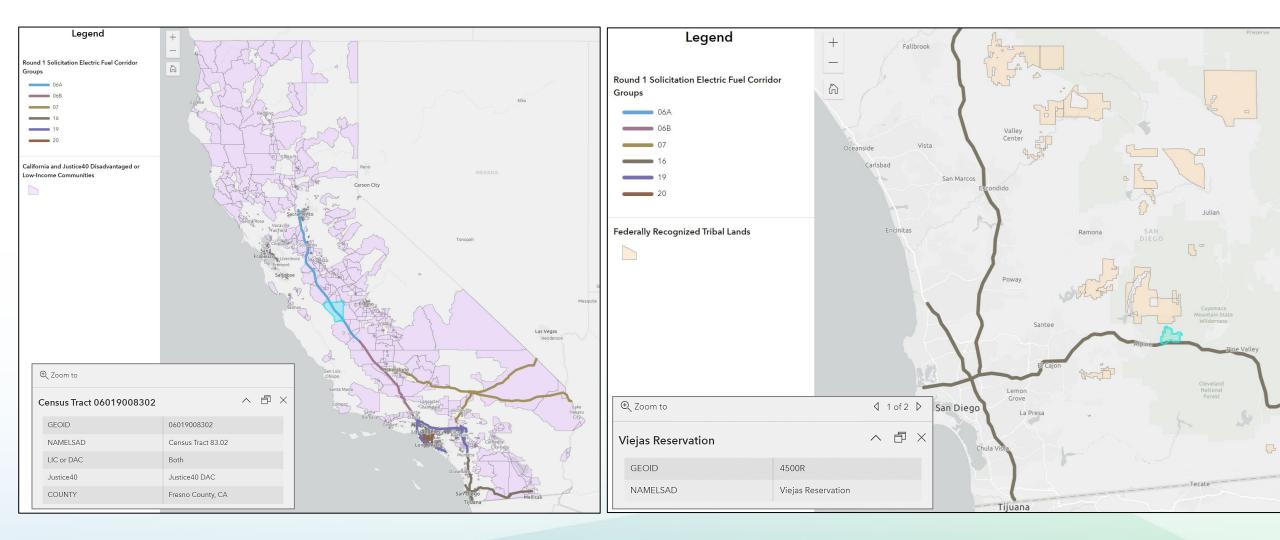


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#### Equity Layers: California and Justice40 Disadvantaged or Low-income Communities and Federally Recognized Tribal Lands



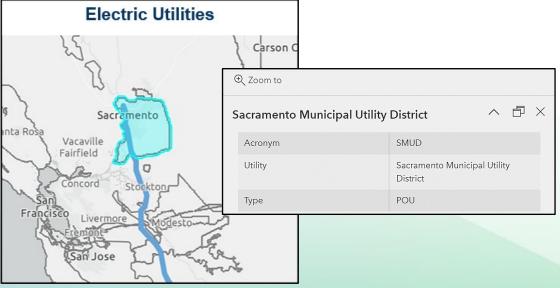
















#### **NEVI Funding Program Map**

	California's National Electric Vehicle Infrastructure Funding	Program Map					
Legend	+	Kennewick		Helena		Dismarck Q	Map Layers
Stations that meet NEVI requirements	- A	Portland			Billings	215 215	<ul> <li>Corridor Group Labels (visible only at certain ranges)</li> </ul>
			IDAHO				<ul> <li>Stations that meet NEVI requirements</li> </ul>
Round 1 Solicitation Electric Fuel Corridors		OREGON	Boise	Idaho Falls	WYOMING	<mark>ک</mark>	DC fast charging stations that do from the the NEVI requirements but within 1-mile of a corridor
07		Medford					<ul> <li>Round 1 Solicitation Electric Fuel Corridors</li> </ul>
19				-			Electric Fuel Corridors
20				Salt Lake	Cheyenne	NEBRASKA	<ul> <li>Metropolitan Planning</li> <li>Organizations</li> </ul>
Electric Fuel Corridors				City		UNII	<ul> <li>Regional Transportation Planning Agencies</li> </ul>
02			NEVADA	UTAH	Denver	STA.	California Counties
03		Carson City			COLORADO		Caltrans Districts
04		Sigiamento					<ul> <li>Electric Utilities</li> </ul>
06A 06B		France Contract Contract					California and Justice40 Disadvantaged or Low-Income Communities
07		Fresno					Federally Recognized Tribal Lands
09		L'XI	Las Vegas		Santa Fe	ОК	<ul> <li>Disadvantaged Communities</li> <li>Designated by Justice40</li> </ul>
<u> </u>			• • • • • •	ARIZONA	Albuquerque NEW MEXICO	Amarillo	Low-income or Disadvantaged Communities Designated by California
13		Costingered		Phoenix		Lubbock	
15 16		San®	nego Mexicali				
17				Tucson	Juárez	Midland	
18						TEX/	
20							
Ineligible for Funding					2	proved and a second	



# **NEVI 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 <u>AND</u> 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: <u>https://forms.office.com/g/U0Y1iRbwd8</u>.

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 *					
O Business					
O Nonprofit Organization					
🔿 California Native American Tribe					
O Public or Government entity					
Other					

#### Matchmaking Tool

#### Facilitate partnerships:

- Interested Site Hosts
- NEVI Project Partners

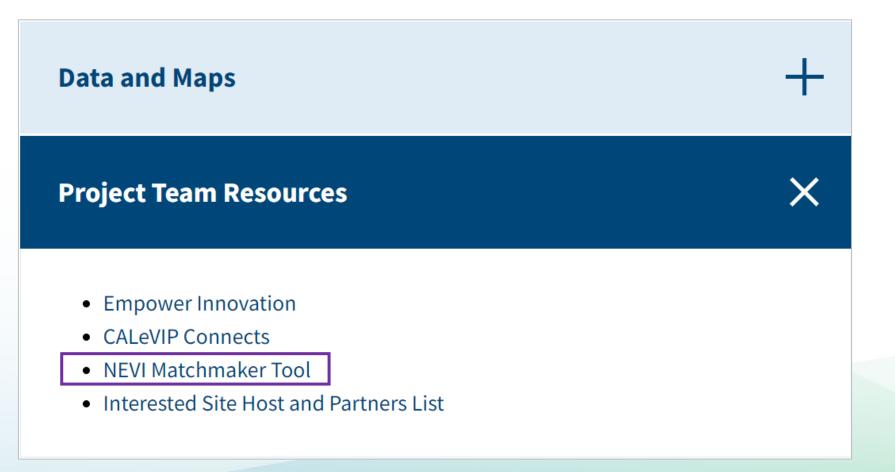
A	В	С	D	E	F	G	н
Organization/ 1 Company	Organization /Company Type	Contact Name	Contact Email Address	Phone Number	Select type of partner	Select type of contractor	Additional Comments
Company A	Public or Government entity	First1 Last1	first1.last1@email.com	(555) 111-1111	Electricity Providers (electric load serving entities such as utilities and community choice aggregators)		We provide electricity for X region of California.
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;Disadvant aged Business Enterprise;Small Business Enterprise ;	
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.
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.
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.
Company F	Business	First6 Last6	first6.last6@email.com	(555) 666-6666	Equipment Manufacturer (manufacturer of electric vehicle chargers)	EVITP Certified Electricians;Electrical;Disadvant aged Business Enterprise;Small Business Enterprise ;	

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



Caltrans<sup>®</sup>

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







- <u>CEC NEVI Webpage</u>
- Matchmaking Tool
- Interested Site Hosts and Partners List



### **Questions & Answers**







Two ways to comment or ask questions:

# 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.







Questions about the tools?

NEVI Interactive Map: <u>Tiffany.Hoang@energy.ca.gov</u>

NEVI Matchmaker Tool: <u>Thanh.Lopez@energy.ca.gov</u>

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



## **Thank You!**

