Napa County EV Charging Implementation Update

Climate Action Committee - November 21, 2025





Outline

- Update on EV Charging Infrastructure in Napa County
- MCE EV Charging Technical Assistance Application
 - Using the EV Equity Site Mapping Tool
 - Initial Site Selection
 - Data Validation
 - Partnership w/ Jurisdictional Staff
 - Building & Electrical Questionnaire
 - Site Visits
 - Site Reports
- Next Steps & Funding Availability



Update on EV Charging Infrastructure in Napa County



ZEV POPULATION

NON-ZEV POPULATION

Total Light-Duty Vehicles end of 2024

6,601

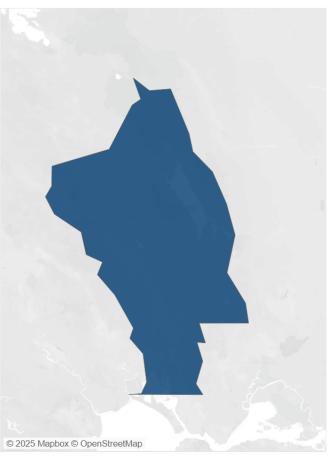
Battery Electric (BEV) 4.31% 4,902 Plug-in Hybrid (PHEV) 1.49% 1,691

Fuel Cell (FCEV)
0.01%
8

Total Light-Duty Vehicles end of 2024

107,145

Gasoline	Gasoline Hybrid	Diesel	Other
84.87%	5.92%	3.39%	0.02%
96,535	6,730	3,860	20



Number	of	Vehicles	

MAKE	MODEL	Number of Vehicles
Chevrolet	Bolt EV	142
	Bolt EUV	88
	Blazer EV	■39
	Equinox EV	19
	Spark EV	8
	Silverado EV	6
Toyota	Prius Prime	253
	RAV4 Prime	100
	Prius Plug-In Hybrid	8 7
	bZ4X	31
	Mirai	8
	RAV4 EV	3
	RAV4 PHEV	1
Ford	Mustang Mach-E	143
	F-150 Lightning	120
	Fusion Energi	80
	C-MAX Energi	4 7
	Escape Plug-In Hyb	13
	E-Transit Cargo	5
	Focus	3
	E-350	1
	E-Transit	1
BMW	X5	8 5
	i4	7 5
	i3	1 73
	iX	■ 46
	5 Series	■ 40
	3 Series	26
	i5	10



SELECT FILTERS

Year 2024



LIGHT-DUTY ZEV

TOTAL LIGHT-DUTY

CUMULATIVE SALES

Sales through 2025

8,011

BEV PHEV FCEV 6,179 1,823 9

ANNUAL SALES

YTD Sales in 2025

999

843 PHEV FCEV 2

Range

Fuel Type

ANNUAL SALES

Sales in 2025

Q3 Sales YTD Sales

1,138 3,523

Q3 ZEV Share YTD ZEV Share

28.3% 28.49



≥ 200 miles		823	
< 200 miles	20		
		154	
	2		
Model		Number of New ZEV Sales	
Model Y		216	
Model 3		87	
Model S		1 4	
Model X		10	
Cybertruck	<	1 0	
EDV 700		50	
R1S		35	
R1T		1 4	
		2 1	
		1 3	
		1 1	
		•	
		-	
IONIQ 9		[3	
	Model Model Y Model 3 Model S Model X Cybertruck EDV 700 R1S R1T i4 X5 iX i5 7 Series IONIQ 5	Model Model Y Model S Model X Cybertruck EDV 700 R1S R1T i4 X5 iX i5 7 Series IONIQ 5 KONA EV	200 miles 20

Number of New ZEV Sales

SELECT FILTERS
Year 2025
Map Filter County
County All
Fuel Type All
Make All
Market Share OF CALIFORNIA ENERGY COMMISSION



ELECTRIC VEHICLE CHARGERS

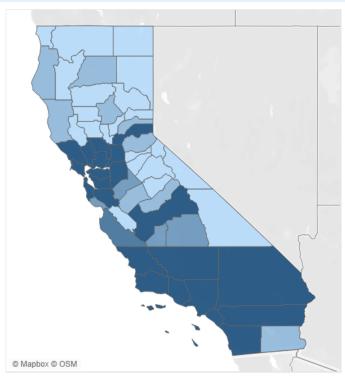
Total Public and Shared Private Electric Vehicle Charging Ports

201,180

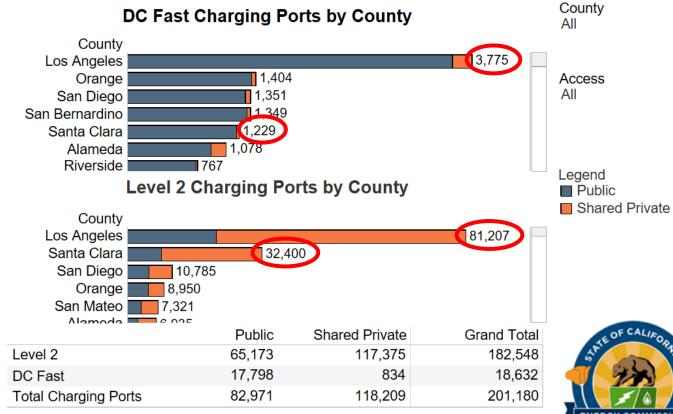
Public 41.24% 82,971

Shared Private 58.76%

118,209









For additional information about the data and how to cite this visualization, see the Electric Vehicle Chargers in California.

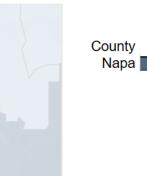
ELECTRIC VEHICLE CHARGERS

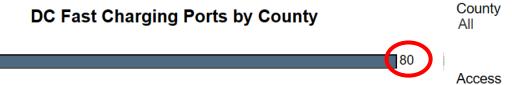
Total Public and Shared Private Electric Vehicle Charging Ports

Public 88.30% 762

Shared Private

11.70% 101





Level 2 Charging Ports by County

County Napa 783 **Public Shared Private** Grand Total Level 2 682 101 783 DC Fast 80 80 **Total Charging Ports** 762 101 863

Legend Public Shared Private



Number of Charging Ports

@ Mapbox @ OSM

For additional information about the data and how to cite this visualization, see the Electric Vehicle Chargers in California.

Total number of EV Chargers

Jurisdiction	Nov.	Nov. 2025		Chargers needed by 2025 (CARB analysis)		Additional Chargers needed by end of 2025	
	Level 2	DC Fast	Level 2	DC Fast	Level 2	DC Fast	
American Canyon	26	0	195	10	169	10	
Calistoga	28	0	50	2	22	2	
Napa City	191	58	742	36	551	-22	
Napa County	274	14	219	11	-55	-3	
St. Helena	24	0	57	3	33	3	
Yountville	18	0	25	1	7	1	
TOTAL	561	72	1288	63	727	-9	



MCE EV Charging Technical Assistance Application



Connect with an energy expert

Complete the interest form below. We'll schedule a call to discuss details about your property and EV charging goals. If technical assistance is not needed and you're ready to secure your rebate, fill out our **rebate reservation form**.

Interest Form

Build your EV charging plan

Get your customized EV Charging Planning Report, which includes a site assessment, load study, available incentives, recommended vendors, and user pricing.

Reserve your rebate

Secure your rebate by completing the rebate reservation form.

Select a vendor and complete installation

Once your project scope is finalized, select and hire an MCE-approved hardware and software vendor.

Receive your rebate

Once your project is completed, we will send you the **project verification application**. Upon verification, you will receive your rebate within 7–10 business days.

EV Charging for Businesses and Multifamily Properties

MCE's EV Charging program provides practical solutions to support your EV charging needs. Whether you are in the discovery phase or ready to apply for your EV charging rebate, MCE offers expert guidance throughout all stages of your project.

EV charging can offset ongoing costs by charging users, attracting, and retaining employees and residents, and future-proofing your property.

What You'll Get

Enhance your property by installing EV chargers with rebates up to \$4,500 per port.

Charger Level	Light Green	Deep Green	Site Maximum	
Level 1	\$750 per port	\$875 per port	4-40 ports	
Level 2*	\$4,000 per port	\$4,500 per port	2-20 ports	

^{*}If your project is located in a State-designated Priority Population, you may be eligible for an additional \$500 per port.

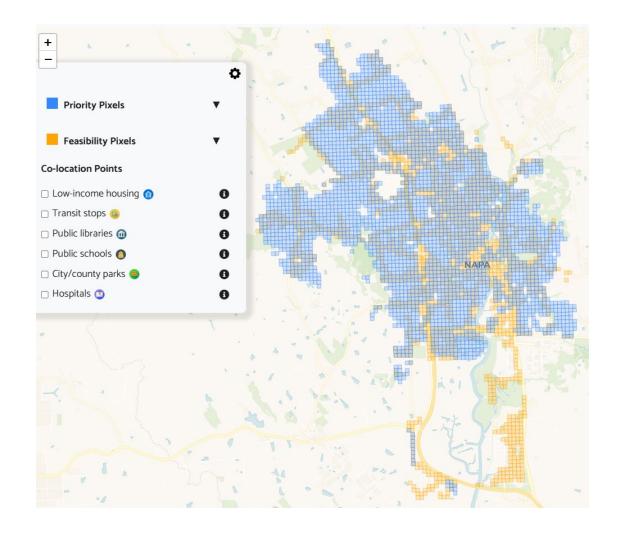


Using the EV Equity Site Mapping Tool

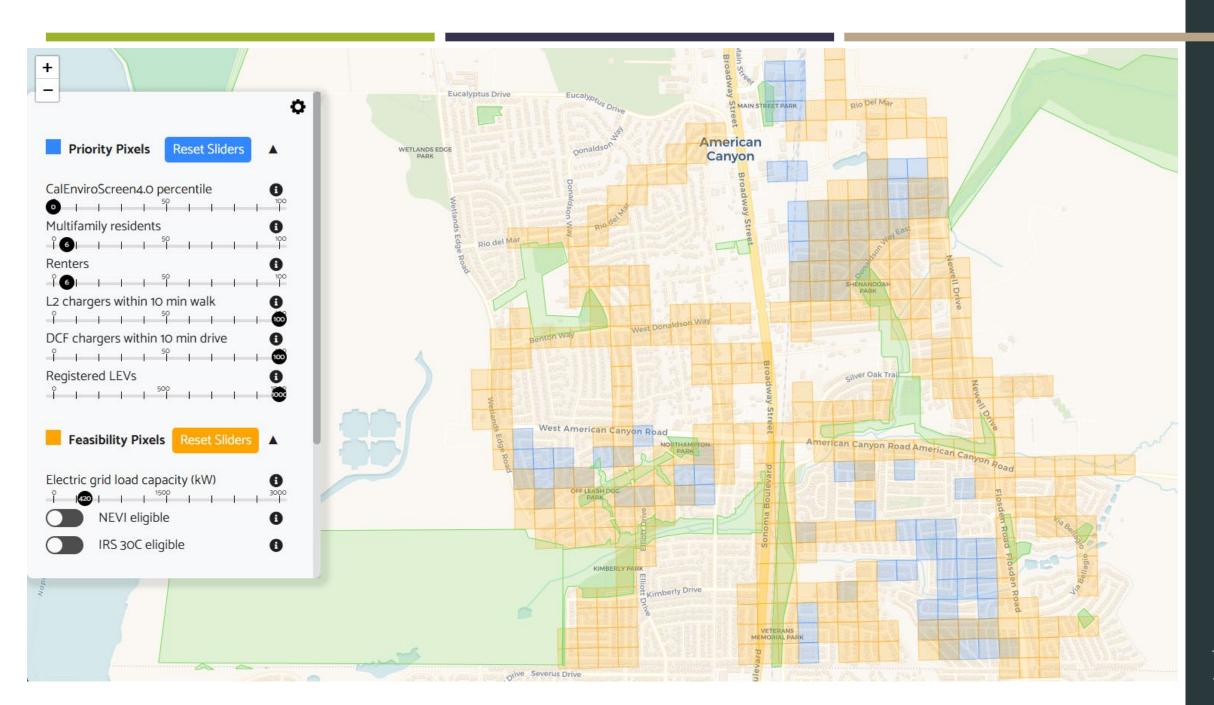


Initial Site Selection

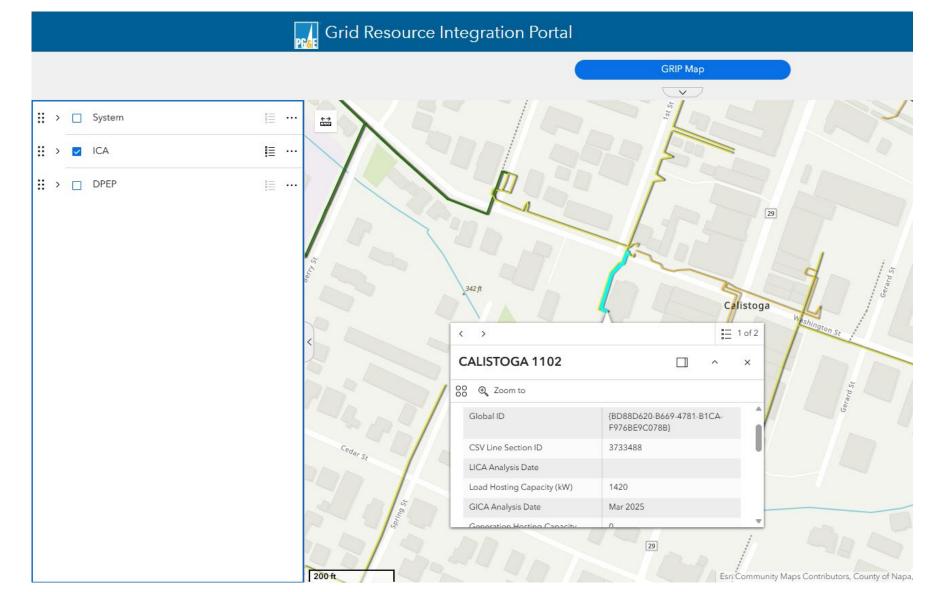
- Using the UC Berkeley EV Equity Mapping Tool, staff focused on initial priority sites for EV Charging Infrastructure
 - · Publicly-owned
 - Near multifamily housing
 - Low access to public charging
 - Parks & Recreation sites





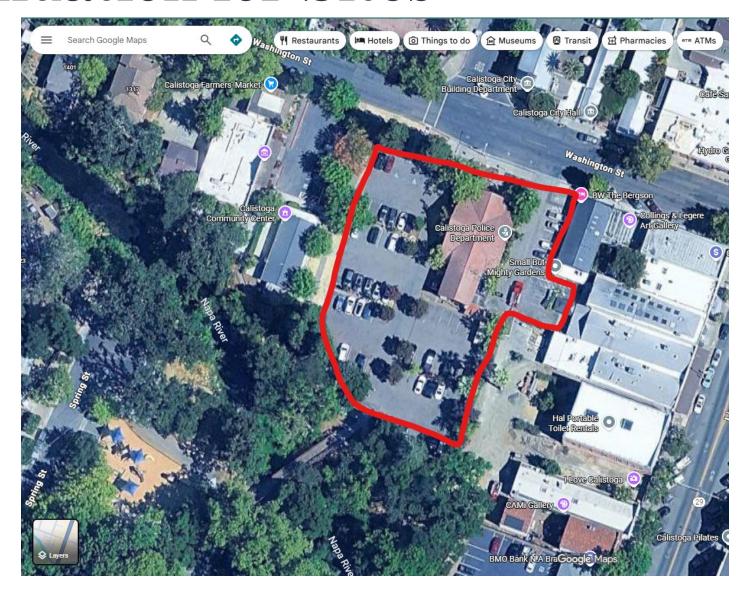


Data Validation for Sites





Data Validation for Sites





Site Location	Jurisdiction	Staff Initial Recommendation of L2 Chargers	Staff Initial Recommendation of L3 Chargers
Shenandoa Park	American Canyon	20	6
Northhampton Park	American Canyon	4	2
Kimberly Park	American Canyon	14	2
AC City Hall	American Canyon	6	1
AC Water Reclamation Facility	American Canyon 20		4
Napa River Ecology Center	American Canyon	16	2
Police Dept. Parking Lot	Calistoga	10	6
Fire Department	Calistoga	20	2
Napa County ITS	County	10	0
Napa County South Campus south of Building B	County	40	2
Napa County South Campus north of Building A	County	20	4

1. Partnership with Jurisdictional Staff



After initial site selection in partnership with jurisdictional staff, County staff submitted a joint application to MCE's EV Charging Technical Assistance Program, with CLEAResult providing technical expertise for the program

2. Building & Electrical Questionnaire



The next step involved Public Works staff at each jurisdiction completing a Building and Electrical Information Questionnaire for each selected site



3. Site Visits



Electrical Capacity & Equipment



of Parking spaces

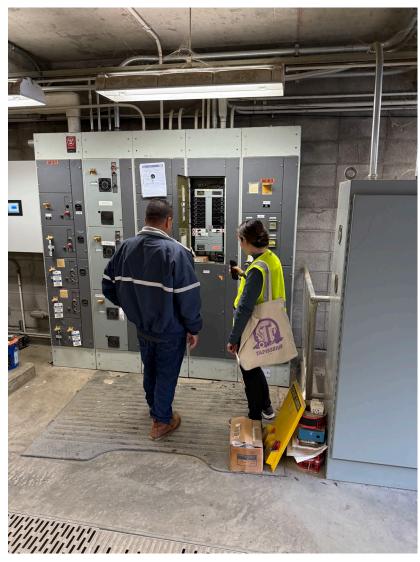


Optimize Proximity



Additional Info





American Canyon Staff & CLEAResult Staff inspecting electrical equipment at future Napa River Ecology Center



Top: CLEAResult Staff inspecting electrical equipment at Napa County HHSA Building

Bottom: Napa County HHSA parking stalls and electrical infrastructure



Planning, Building & Environmental Services

4. MCE Technical Assistance Site Reports & Cost Estimates



Existing Site Conditions



Charging Solution(s)



Template Bid Request



Appendix w/ Defined terms



Summary of charging solutions



Total # of each charger type



Estimated hardware + design & construction



MCE
Incentive \$
available



Net project \$
& Cost per
charging port



Site Location	Jurisdiction	Staff Initial Recommendation of L2 Chargers	Staff Initial Recommendation of L3 Chargers	
Shenandoa Park	American Canyon	20	6	
Northhampton Park	American Canyon	4	2	
Kimberly Park	American Canyon	14	2	
AC City Hall	American Canyon	6	1	
AC Water Reclamation Facility	American Canyon	20	4	
Napa River Ecology Center	American Canyon	16	2	
Police Dept. Parking Lot	Calistoga	10	6	
Fire Department	Calistoga	20	2	
Napa County ITS	County	10	0	
Napa County South Campus south of Building B	County	40	2	
Napa County South Campus north of Building A	County	20	4	

- Site visit complete; reports complete

- Site visit complete; awaiting reports

- Site questionnaire complete, awaiting site visit

- Site deemed not viable for this round of program

Next Steps & Funding Availability:

- 1. Received reports for 2 sites in Calistoga
- 2. Awaiting reports and cost estimates for 2 County sites and 1 American Canyon Parks Foundation Site
- 3. Scheduling site visits for 4 American Canyon Sites
- 4. Working with jurisdictional staff to explore EV Charging implementation solutions and financing strategies





Next Steps & Funding Availability:

Funding Source/Program	Level 1 Incentives	Level 2 Incentives	Level 3 Incentives	Eligibility & Notes
MCE EV Charging Rebates	\$750-\$850	\$4,000-\$4,500	N/A	Workplace (including municipal) & Multifamily housing
Communities in Charge Incentives	\$2,000	\$8,500	N/A	MF housing or w/in 1/8 mile & sites serving MF housing
Bay Area Air District's Charge! Program	\$2,000	\$2,000-\$5,000	\$35,000- \$45,000	Level 1 incentives for MF sites only, L2 & 3 open to other sites; bonus incentives for sites w/in Priority Population Areas and MF housing sites; Currently closed for new applications
CALeVIP Fast Charge California Project	N/A	N/A	\$100,000	Application deadline: January 29, 2026



Potential funding project examples:

20 L2 Chargers - MF Site

- MCE Incentive:
 - $20 \times \$4,500 = \90K
- Communities in Charge:
 - $20 \times \$8,000 = \160K
- Air District Charge! Program:
 - $$20 \times $5,000 = 100K

Potentially \$350K incentives

10 L3 (DCFC) Public Site

- CALeVIP:
 - $10 \times \$100,000 = \$1M$
- Air District Charge! Program:
 - 10 (150+ kW) x \$45,000 = \$450K

Potentially \$1.45M incentives

*Notes:

- 1) These examples assume all programs renew funding for future installations
- 2) Most program incentives will not cover full cost of EVCS projects, but can stack together to cover full cost

Thank you!

Jesse Gutierrez – Principal Planner, Sustainability

Jesse.Gutierrez@countyofnapa.org

707-259-1362

Ryan Melendez - Planner II, Sustainability

Ryan.Melendez@countyofnapa.org

707-259-5969











