

DOCKETED

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2024 NEVI Deployment Plan Update

Presentation to the Disadvantaged Communities Advisory Group

Ben De Alba and Jim McKinney
Fuels and Transportation Division

May 17, 2024



National Electric Vehicle Infrastructure Program (NEVI)



- Part of the \$5 billion allocation for electric vehicle charging in the Infrastructure Investment and Jobs Act of 2021
- Formula funding: \$384 million for California over 5 years
- Joint partnership between Caltrans and CEC
- Will support EV fast charging stations along 7,000 miles of interstates, US routes, and state routes in California
 - Each station must have 4 x 150 kW chargers
 - One station every 50 miles, within one mile of corridor
- 50% of chargers must be in Disadvantaged Communities / Low-Income Communities and 40% in Justice40 communities



Solicitation Status



- **Solicitation No. 1: GFO-23-601**
 - \$40.5 million offered for 6 corridor groups
 - 26 stations totaling 270 charging ports
 - Released October 26, 2023
 - Applications due January 26, 2024
 - Notice of Proposed Award (NOPA): May 2024
 - Business Meeting Approval of Executed Agreements: July - September
- **Solicitation No. 2**
 - Estimated \$110.2 million to be offered for 17 remaining corridor groups
 - 120 stations totaling 598 charging ports
 - Pre-Solicitation Workshop: March 12, 2024
 - GFO Release: August/September 2024
 - Applications Due: ~November 2024



NEVI Funding Status



- \$384 million total available over 5 years
- First solicitation released with \$40.5 million available
- Second solicitation under development with \$110.2 million available*

(\$ millions)	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
	Allocated	Allocated	Allocated	Expected	Expected	
	\$56.8	\$81.7	\$81.7	\$81.7	\$81.7	\$383.6
Solicitation 1	\$40.5	-	-	-	-	\$40.5
Solicitation 2	\$16.3	\$81.7	\$12.2	-	-	\$110.2
Remaining	-	-	\$69.5	\$81.7	\$81.7	\$232.9

* Solicitations 1 and 2 fully fund all corridors through Round 7 of the Alternative Fuels Corridor nominations for a total of 146 new stations with 868 charging ports





California's National Electric Vehicle Infrastructure Funding Program Map

Legend

Stations that meet NEVI requirements (updated March 2023)

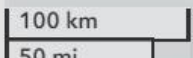


Round 1 Solicitation Electric Fuel Corridor Groups

-  06A
-  06B
-  07
-  16
-  19
-  20

Electric Fuel Corridor Groups

-  01
-  02
-  03
-  04
-  05
-  06A
-  06B



Round 1 Solicitation Corridors





Legend

Proposed Round 2 Solicitation Electric Fuel Corridor Groups (May 2024)

- 01
- 02
- 03
- 04
- 05
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 17
- 18
- 21
- 22
- Ineligible for Funding



Round 2 Corridors Northern California

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California State F... ri, TomTom, Garmi



Legend

Proposed Round 2 Solicitation Electric Fuel Corridor Groups (May 2024)

- 01
- 02
- 03
- 04
- 05
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 17
- 18
- 21
- 22
- Ineligible for Funding



Round 2 Corridors Southern California



NEVI and Truck Charging



Environmental Justice Organizations continue to advocate for truck charging:

- “immense public health and environmental justice benefits”
- Alleviate disproportionate diesel emissions impacts to disadvantaged minority communities
- Support transition to zero emission trucking required by Advanced Clean Fleets and Advanced Clean Trucks Regulations



Freightliner
eCascadia

Class 8 Electric
Tractor

Photo: CALSTART HVIP Website



Diesel Truck Emissions and Public Health Impacts



- California Transportation Emissions*
 - 50% of GHG emissions
 - 80% of NOx emissions
 - 30% of fine particulates (PM10 and PM 2.5)
- Disproportionate Diesel Truck Emissions
 - Comprise 3% of state's 30 million vehicles, but account for:
 - 33% of mobile source NOx
 - 25% of mobile source GHG
 - 70% of known cancer risk from toxic air contaminants
- Major contributor to Extreme Non-Attainment Status for South Coast and San Joaquin Air Basins

Congested Truck Traffic on the I-710 Corridor – Los Angeles



Photo: Physicians for Social Responsibility

*CARB Advanced Clean Fleets ISOR, 2022.



Projected Need for Truck Charging

- To support 155,000 ZE trucks by 2030*
 - 5,500 public chargers
 - 109,000 depot chargers
- To support 337,000 ZE trucks by 2035
 - 8,500 public chargers
 - 256,000 depot chargers



Watt EV Truck Charge Station at Port of Long Beach

Photo: Watt EV Website

*CEC: 2nd AB 2127 Report



Contact Information



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

Docket 22-EVI-03

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