



# **California Energy Commission: MDHD ZEV Infrastructure Funding**

CALACT 2023 Spring Conference & Expo

April 18, 2023

Clean Transportation Program

<https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program>

# Clean Transportation Program Funding Allocation Table (in millions)

Category	Funding Source	2022-2023	2023-2024	2024-2025	2025-2026
Light-Duty Electric Vehicle Charging Infrastructure	Program	\$30.1	\$13.8	-	-
Light-Duty Electric Vehicle Charging Infrastructure	General Fund	\$218.5	\$210.0	\$90.0	\$40.0
Equitable At-home Charging	General Fund	\$19.0	\$160.0	\$80.0	\$40.0
Medium- and Heavy-Duty ZEV Infrastructure	Program	\$30.1	\$13.8	-	-
Drayage Truck ZEV Infrastructure	General Fund	\$171.95	\$185.0	\$49.0	-
Transit Bus ZEV Infrastructure	General Fund	\$28.50	\$90.0	\$50.0	\$30.0
School Bus ZEV Infrastructure	General Fund	\$389.25	\$15.0	-	-
Clean Trucks, Buses and Off-Road Equipment ZEV Infrastructure	General Fund	\$94.05	\$315.0	\$31.0	\$25.0
Port ZEV Infrastructure	General Fund	-	\$40.0	\$80.0	\$30.0
Emerging Opportunities	General Fund	\$51.3	\$35.0	\$11.0	-
Hydrogen Fueling Infrastructure	Program	\$20.0	\$10.0	-	-
Hydrogen Fueling Infrastructure	General Fund	-	\$20.0	\$20.0	\$20.0
Zero- and Near Zero-Carbon Fuel Production and Supply	Program	\$10.0	\$5.0	-	-
ZEV Manufacturing	General Fund	\$118.75	-	-	-
Workforce Training and Development	Program	\$5.0	\$5.0	-	-
	<b>Total Program</b>	<b>\$95.2</b>	<b>\$47.6</b>		
	<b>Total General Fund</b>	<b>\$1,091.3</b>	<b>\$1,070</b>	<b>\$411</b>	<b>\$185</b>

<https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/clean-transportation-program-investment>

# Clean Transportation Program Upcoming Public Meeting

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## Public Meeting of the Advisory Committee for the Clean Transportation Program Investment Plan

Thursday, April 27, 2023  
9 AM – 1 PM

### Remote via Zoom

<https://join.zoom.us/>

Meeting ID: 846 3539 9948

Password: 932064

### Participate by Telephone:

888-475-4499

Meeting ID: 846 3539 9948

Password: 932064



### EV Fast-Track

Applicants in this funding lane are ready to go and may already have prior experience applying for commercial MD/HD EV funding



### EV Jump Start

Applicants in this funding lane will need to meet specific eligibility criteria and will be allotted more time to submit required documents



### EV Public Charging Station

Applicants in this funding lane intend to develop publicly available charging stations for commercial MHD EVs



### Hydrogen

Applicants in this funding lane intend to develop a hydrogen infrastructure project for commercial MHD vehicles

# Workforce Training and Development



Photo credit: Sunline Transit



Photo credit: AC Transit



# Thank you

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# Context

## Investment Goals

### VMT

- Promoting projects that do not significantly increase passenger vehicle miles traveled

### Rail & Transit

- Building toward an integrated, statewide rail and transit network

### Bike & Pedestrian

- Investing in networks of safe and accessible bicycle and pedestrian infrastructure

### Equity

- Strengthening our commitment to social and racial equity by reducing public health and economic harms and maximizing community benefits

### Safety

- Making safety improvements to reduce fatalities and severe injuries of all users toward zero

### Climate Risk

- Assessing the physical climate risk of the infrastructure

### ZEV

- Investments in light, medium, and heavy-duty zero-emission vehicle (ZEV) infrastructure

### Natural & Working Lands

- Protecting natural and working lands

### Infill Development

- Promoting compact infill development while protecting residents and businesses from displacement

# State Funding Programs

## State Funding Programs

Sustainable Transportation Planning Grants (STPG) External

State Planning & Research (SPR) Planning Studies Internal

Active Transportation Program (ATP)

Reconnecting Communities: Highways to Boulevards Program (RC:H2B)

Interregional Transportation Improvement Program (ITIP)\*

Senate Bill 1: Solutions for Congested Corridors\*

Senate Bill 1: Trade Corridor Enhancement Program\*



# Federal Funding Programs

## Federal Funding Programs

Reconnecting Communities Program (RCP)

Active Transportation Infrastructure Investment Program (ATIIP)

Neighborhood Access and Equity Grant Program

Rebuilding American Infrastructure with Sustainability and Equity (RAISE)

Safe Streets for All (SS4A)\*

Multimodal Project Discretionary Grant (MPDG) Program

# Sustainable Transportation Planning Grants

## Sustainable Communities Grants (\$29.5 million)

- Encourage local and regional planning that supports state goals, implements Regional Transportation Plan (RTP) Sustainable Communities Strategies (SCS) (where applicable), and to ultimately achieve the State's greenhouse gas (GHG) reduction target of 40 and 80 percent below 1990 levels by 2030 and 2050, respectively

## Climate Adaptation Planning Grants (\$50 million)

- support local and regional identification of transportation-related climate vulnerabilities through the development of climate adaptation plans, as well as project-level adaptation planning to identify adaptation projects and strategies for transportation infrastructure

## Strategic Partnerships Grants (\$4.5 million)

- Identify and address statewide, interregional, or regional transportation deficiencies on the State highway system in partnership with Caltrans. A sub-category funds transit-focused planning projects that address multimodal transportation deficiencies

## FY23/24 Schedule

- January 12, 2023** – Call-for-applications
- March 9, 2023** – Grant application deadline
- Spring 2023** – Application evaluation
- Summer 2023** – Grant announcements
- Fall 2023** – Grant recipients begin project activities

# Key Takeaways

Funding is available to fund various phases, improvement types, and scales of scope

- Planning Studies
- Packaged with other elements for capital improvements

Transit components elevate project competitiveness when pursuing grant opportunities

Actively looking for ways to engage, coordinate, and collaborate

Reminder: Caltrans support letters for partner led grant applications

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# Low Carbon Transit Operations Program (LCTOP)

# Transit and Intercity Rail Capital Program (TIRCP)

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## Low Carbon Transit Operations Program (LCTOP)

Provides operating and capital assistance for transit agencies to reduce green house gas emissions and improve mobility.

- Since 2015, the LCTOP program is responsible for reducing 6,326,706 metric tons of carbon dioxide equivalent.
- 96% of all LCTOP project funding has been allocated to benefit Priority Populations totaling \$748,767,966.
- In 2022, LCTOP selected it's 1,000<sup>th</sup> project for funding and highlighted in the California Air Resources Board annual report to the Legislature.

# Low Carbon Transit Operations Program (LCTOP) FY 2022-2023

- FY 2022-23: \$192,371,705 for eligible LCTOP projects.
- Project allocation requests are due to LCTOP Program Liaisons, for review, by May 1, 2023.
- Anticipated funding dates for LCTOP approved projects is September 2023.

# LCTOP's Streamline Application & Reporting Process

- Streamlined application process for free or reduced fare projects. Allows operators to submit one application every four years.
- Updated project reporting cycle from semi-annual to annual, allowing operators more time to plan & implement projects.
- LCTOP is a great funding-source to purchase ZEV and technology conversions that support ZEV infrastructure.



- SunLine Transit's Fuel Cell Buses & Hydrogen Onsite Generation Refueling Station was the first of its kind and partially funded by LCTOP.
- (Pictured left): One of SunLine's new Fuel Cell Electric Buses
- (Pictured right): Electrolyzer hydrogen production plant, produces on-site solar electricity, which is converted to hydrogen and stored on-site and connects to the hydrogen fueling station.



# Transit and Intercity Rail Capital Program (TIRCP)

- ▶ The TIRCP Program provides grants from the Greenhouse Gas Reduction Fund (GGRF) to fund transformative capital improvements that will modernize California's rail and transit systems.
- ▶ TIRCP receives a portion of revenues established by SB1 and a continuous appropriation of 10 percent from the GGRF via quarterly Cap-and-Trade auction proceeds.
- ▶ Call for Projects and application submittal typically occurs every two years
  - California's 2022-23 State Budget includes an additional \$7.65 billion in TIRCP funding from the General Fund, which has allowed the current off cycle call for projects happening right now.

# Available Funding

SOUTHERN CALIFORNIA (Counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego)			
CATEGORY	FUND AMOUNT	APPLICATIONS DUE	AWARD ANNOUNCEMENT
“Existing TIRCP projects leveraging federal and local funds reserve”	\$900 million to \$1.35 billion	12/6/2022	01/31/2023
“New Projects”	\$331.5 million to \$931.5 million	02/10/2023	04/24/2023
“Major Projects Development Reserve”	Up to \$150 million	02/10/2023	04/24/2023
“High Priority Grade Crossing Improvement and Separation Projects”	\$140 million to \$280 million	02/10/2023	04/24/2023

# Available Funding

REST OF STATE			
CATEGORY	FUND AMOUNT	APPLICATIONS DUE	AWARD ANNOUNCEMENT
“Existing TIRCP projects leveraging federal and local funds reserve”	\$900 million to \$1.20 billion	12/6/2022	01/31/2023
“New Projects”	\$148.5 million to \$598.5 million	02/10/2023	04/24/2023
“Major Projects Development Reserve”	Up to \$150 million	02/10/2023	04/24/2023
“High Priority Grade Crossing Improvement and Separation Projects”	\$70 million to \$210 million	02/10/2023	04/24/2023

# Key Dates

- ▶ 4/24/2023 – Anticipated award announcement

The next regular cycle is anticipated Fall 2023, with award announcements Spring of 2024

For questions on the program please contact:

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# Questions?

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