

**DOCKETED**

<b>Docket Number:</b>	21-TRAN-04
<b>Project Title:</b>	Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles (EnergIZE Commercial Vehicles)
<b>TN #:</b>	240971
<b>Document Title:</b>	CALSTART Comments - EnergIZE Workshop I Slides and Recording
<b>Description:</b>	N/A
<b>Filer:</b>	System
<b>Organization:</b>	CALSTART
<b>Submitter Role:</b>	Public
<b>Submission Date:</b>	12/16/2021 4:02:08 PM
<b>Docketed Date:</b>	12/16/2021

*Comment Received From: CALSTART*  
*Submitted On: 12/16/2021*  
*Docket Number: 21-TRAN-04*

## **EnergIZE Workshop I Slides and Recording**

EnergIZE Workshop I PowerPoint Slides below, containing an overview of the EnergIZE Commercial Vehicles project and application process, as well as a summary of more to come.

A recording of the Workshop is saved in the cloud and may be viewed at the link below.

Passcode: W06!pNt5

<https://us06web.zoom.us/rec/share/yTtoIA2LhQRUD3L8gQLW8NIA6b4Ud2oIfR3b2Mu9aK2QqoyLh6JdOhA2G2Sldgnx.HW1M3yZHcFXTabmk>

*Additional submitted attachment is included below.*



## **EnergiZE Workshop**

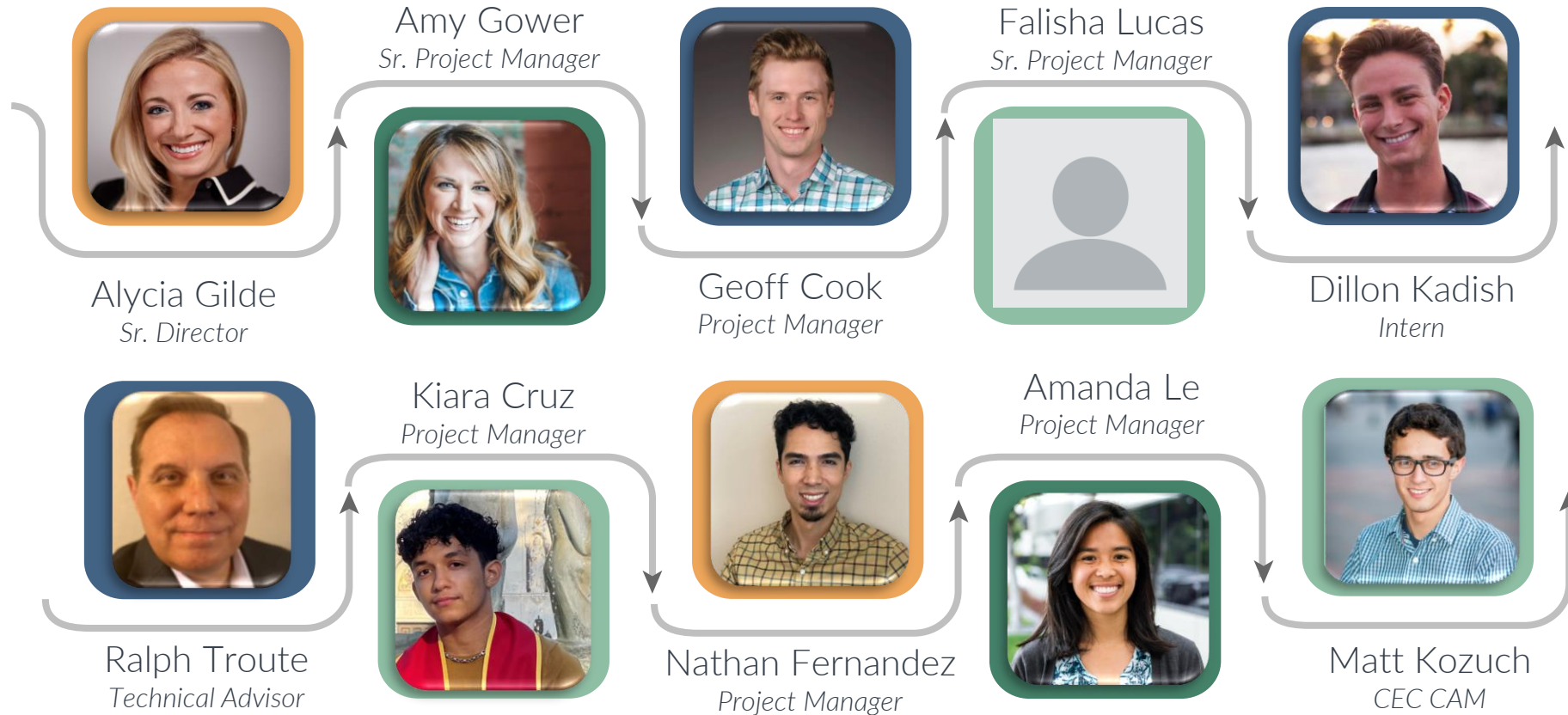
Overview of Project and Application Process

December 16, 2021

# EnerglIZE Commercial Vehicles

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles

*Accelerating fueling infrastructure deployment for zero-emission trucks, buses and equipment*



# Zoom Logistics



All participants (web and dial-in) are automatically in listen-only mode.

All participants will be unable to share their video.

If you have questions, you can use the chat function. You may send messages to the whole meeting or individual participants.

Choose ONE of the audio conference options

Phone Call

Computer Audio

Call Me

Join with Computer Audio

Test Speaker and Microphone

☐ Automatically join audio by computer when joining a meeting

If you dial-in from a phone, use the meeting ID and passcode from invite

**Meeting ID:** 882 1704 4786

**Passcode:** 121986

**Mobile:**

+16699006833,88217044786# US (San Jose)

+12532158782,88217044786# US (Tacoma)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

*(Invite information above is for illustrative purposes only.)*

# Agenda

- 1 Background and Overview of EnerglIZE
- 2 Project and Technology Eligibility
- 3 Incentive Structure
- 4 Overview of Application Process
- 5 Q&A
- 6 Next Steps



# Overview of EnerglIZE Commercial Vehicles

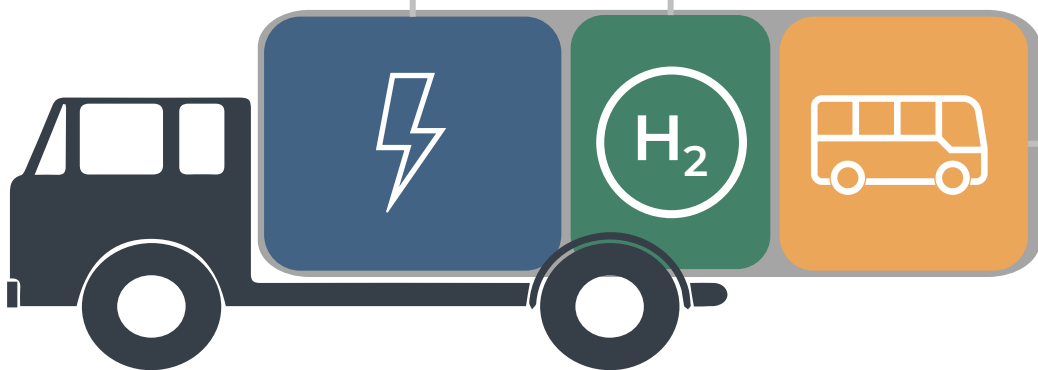
# Overview of EnerglIZE

## Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles

Provides \$50M in financial incentives to increase the deployment of commercial zero emission medium- and heavy-duty (MD/HD) vehicle infrastructure.

Prioritizes equity and community involvement while making incentives available to a wide audience by offering assistance and support.

Funded by the California Energy Commission's (CEC) Clean Transportation Program.



TETRA TECH



**energlIZE**  
COMMERCIAL VEHICLES



# EnergIIZE Website and Infrastructure Readiness Center (IRC)

Infrastructure Readiness Center will provide:

- Application and technical assistance.
- Project and industry updates through use of a website which will house the IRC.

## Resources

Infrastructure Insite, Funding Finder, TCO Calculator

## Tools

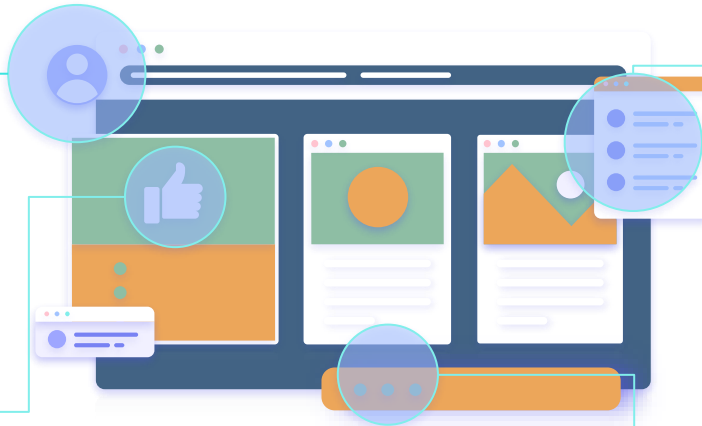
Planning guides and checklists, infrastructure planning FAQs, Site Plan Template, success stories and best practices

## Updates

EnergIIZE updates and testimonies on project participation in addition to recordings of past webinars and events

## Application Documents

Application forms and Implementation Manual



Stay tuned for [www.EnergIIZE.org](http://www.EnergIIZE.org)



# Who Is Eligible for Incentives and What Technology is Covered?

# Eligibility and Funding Lanes



## 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 Public Charging Station

Applicants in this funding lane intend to develop publicly available charging stations for commercial MD/HD EVs.



## Hydrogen

Applicants in this funding lane intend to develop a hydrogen infrastructure project for commercial MD/HD vehicles.



## 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.

# Eligibility and Funding Lanes



## EV Fast Track

- Owns or has a purchase order for a vehicle(s) registered in the State of California as a result of State or Federal vehicle incentive funded projects including but not limited to: CORE, HVIP, VW, Carl Moyer, AB 617, TIRCP, and CALSTEP CMO. DERA
- Applicant/Recipient must show MD/HD vehicle purchase order or vehicle proof of ownership
- MD/HD off-road equipment does not require vehicle registration, but must be domiciled and operate 75% of its time in the state of CA



## EV Public Charging Station

- Public charging station developers
- Must show documentation proving adequate utilization and throughput for the proposed public charging station.
- Must install Direct Current Fast-Charge (DCFC) charger capable of charging at 150 kW or greater. Level 2 chargers are not eligible under this category.
- Encouraged to provide infrastructure for at least 1 stub-out capable of accommodating a DCFC charger capable of charging at 350 kW or greater.
- Encouraged to prepare for charging rates of 1MW and higher per plug to accommodate future industry charging demands.

# Eligibility and Funding Lanes



## Hydrogen

- For station development of hydrogen refueling (liquid or gaseous) for medium- and heavy-duty zero-emission vehicles.



## EV Jump Start

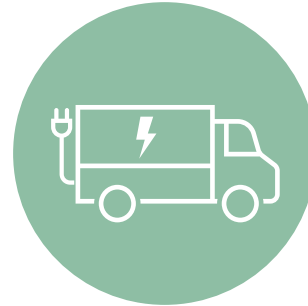
- Small business as identified in the California State Legislative Code
- Certified Minority Business Enterprise, Woman-Owned Small Business, Veteran-Owned Small Business, or LGBT-Owned Small Business
- Transit Agencies located in or operating at least 50% of fleet operation in a designated Disadvantaged Community (according to CalEnviroScreen 4.0)
- School Districts in a designated Disadvantaged Community (according to CalEnviroScreen 4.0)
- Low-Income Community (as defined by AB 1550)
- Tribal entities
- Non-profit organizations
- Must show proof of vehicle commitment and documentation showing compliance with one or more of the above stipulations.

# Equipment Eligible for EnerglIZE Incentives:

## *MD/HD Electric Vehicles*



*Eligible equipment is from customer side make-ready, where it is not currently offered by utilities, to the vehicle plug/nozzle.*



**EV**

- Level 2 Electric Vehicle Supply Equipment (EVSE)
- DC Fast-Charge EVSE
- Charge Management Software



**Make Ready**

- Switchgear
- Electrical Panel Upgrades
- Wiring and Conduit
- Meters

# Equipment Eligible for EnerglIZE Incentives:

## *MD/HD Hydrogen Fuel Cell Vehicles*



*Eligible equipment is from customer side make-ready, where it is not currently offered by utilities, to the vehicle plug/nozzle.*



**Hydrogen**

- Compressors
- Liquid and Gaseous Pumps
- Piping and Pipelines
- Dispenser with Hose and Nozzles
- Hydrogen Storage
- On-site Production
- Chillers



**Make Ready**

- Switchgear
- Electrical Panel Upgrades
- Wiring and Conduit
- Meters

# Vendor Eligibility for Participation in EnerglIZE



**Approved  
Vendor**

- ✓ An individual or organization who aids in the completion of a ZEV infrastructure site.
- ✓ **Manage the EnerglIZE application process** for a fleet or independent owner operator.
- ✓ Must **complete an EnerglIZE vendor application** and be vetted by EnerglIZE Staff.



**Preferred  
Vendor**





- ✓ An individual or organization who aids in the completion of a ZEV infrastructure site.
- ✓ **May NOT apply on behalf of the fleet** for whom they are providing infrastructure installation services.





# How Much Funding Is Available?

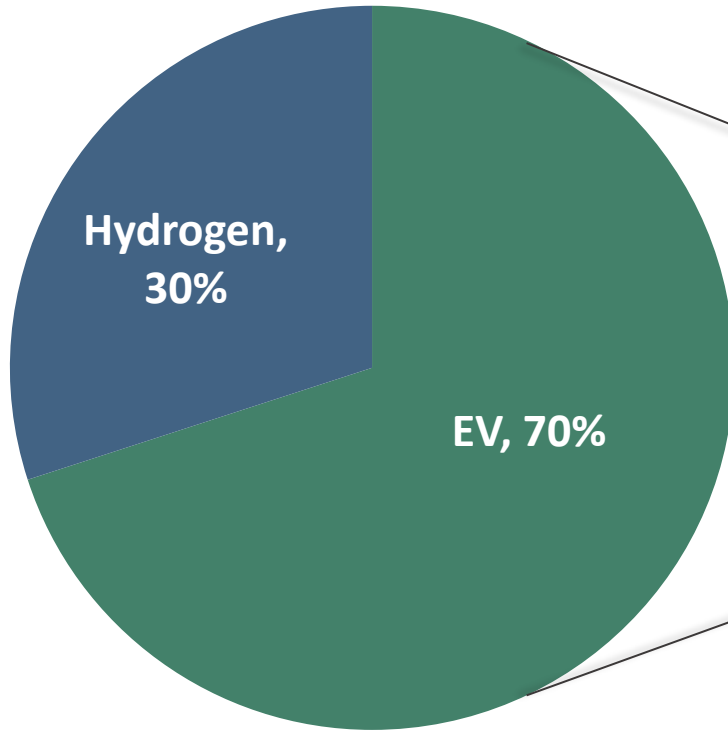
# Incentive Structure: Summary

Applicant Category	EV Fast Track	EV Public Charging Station	Hydrogen	EV Jump Start
Application	First Come, First Serve	Competitive	Competitive	Competitive
Incentive Structure	50% of Hardware Costs Incurred and Software Costs Incurred* 	50% of Hardware Costs Incurred and Software Costs Incurred* 	50% of Hardware Costs Incurred and Software Costs Incurred* 	75% of Hardware and Software Costs Incurred, and a labor stipend 
Project Cap	\$500k*	\$500k*	\$2M*	\$750k

*\*If an applicant participates during a funding lane other than Jump Start but meets one or more of the criteria outlined in Jump Start, that project is eligible for the incentive structure outlined under Jump Start. In which case, they are eligible for 75% of eligible costs and an increased project cap of \$750k (\$3M for hydrogen).*

# Incentive Structure: Funding Breakdown

Distributing funds to hydrogen and electric vehicle projects with a focus on equity.



60% of Project Funds Support Equity Goals



***How much funding will go towards equity projects?***

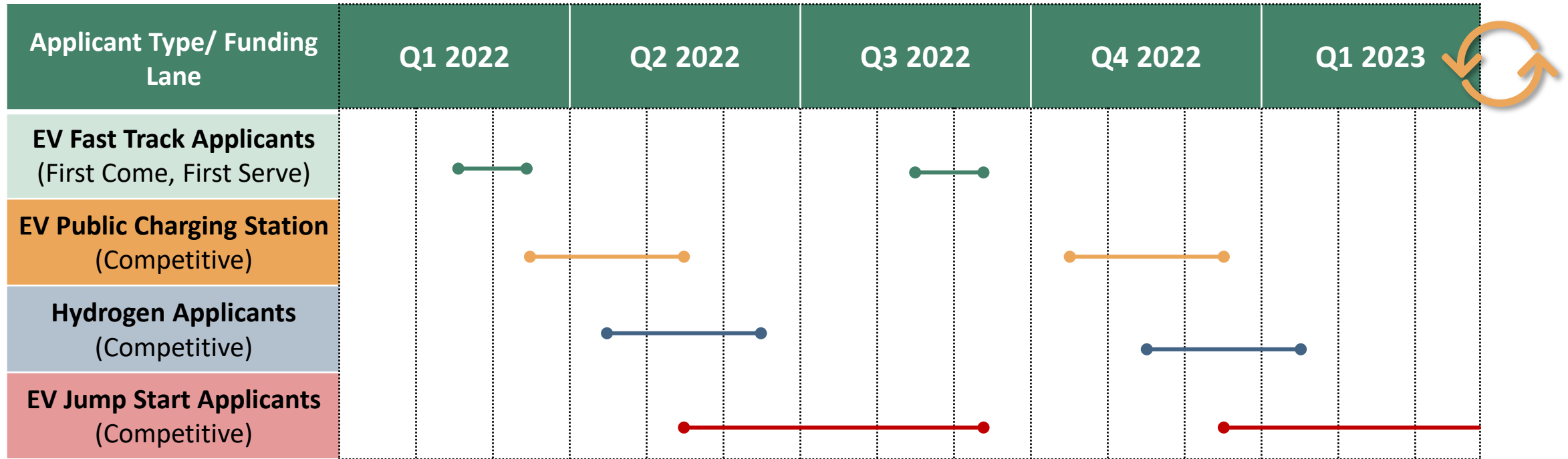
*A minimum of 60% of total project funds will be awarded to projects that support equity goals.*



***When Can I expect to receive funds?***

*Incentives are paid towards eligible costs throughout the project.*

# Incentive Structure: Proposed Funding Timeline





# Application Process

---

An Overview of Required Documentation  
Throughout a Project's Life-cycle.

# EnergiZE Application Roadmap



## Step 1

### General Documents:

- ✓ Application Form
- ✓ Signed T&Cs

### Site Documents:

- ✓ Site Verification Form
- ✓ Site Equipment Manifest

### Other Documents:

- ✓ Proof of Make-Ready Participation
- ✓ Request for New Util. Service (where applicable)

### Lane Specific Requirements:

#### Hydrogen Applicants

Proof of completion of Critical Milestone 1

#### EV Jump Start Applicants

Signed Vehicle Commitment Agreement

#### EV Fast Track Applicants

Proof of Vehicle Ownership; Proof of Participation in Vehicle Incentive Program.

# EnergIZE Application Roadmap



## Step 1

## Step 2

### General Documents:

- ✓ Proof of Cost Share
- ✓ Copy of Purchase Order

### Site Documents:

- ✓ Preliminary Site Plans

### Other Documents:

- ✓ Proof of License
- ✓ Proof of Insurance
- ✓ EVITP Certification of General Contractor

### Lane Specific Requirements:

#### Hydrogen Applicants

- ✓ Copy of Hydrogen Safety Plan
- ✓ Proof of Completion of Critical Milestone 2

#### EV Jump Start Applicants

*Granted an extra 90 days to provide the documents in this step.*

# EnergIIZE Application Roadmap



## Step 1

### General Documents:

- ✓ Project Plan and Scope of Work Including Construction Timeline.



## Step 2

### Site Documents:

- ✓ Copy of Building Permit.



## Step 3

### Other Documents:

- ✓ California Environmental Quality Act (CEQA).



### Lane Specific Requirements:

**Hydrogen Applicants**

Finalized Hydrogen Safety Plan.





# EnergIIZE Application Roadmap



## Step 1



## Step 2



## Step 3



## Step 4



### General Documents:

- ✓ Pictures showing installation of EVSEs, hydrogen equipment, meter mains, transformers, and ADA compliance.
- ✓ Photo of serial number for all serialized equipment installed on the project site.

### Site Documents:

- ✓ Copy of Signed Inspections Sheet and Closed Building Permit.

### Lane Specific Requirements:

#### Hydrogen Applicants

Secures supply chain arrangement for hydrogen delivery.

# EnergIZE Application Roadmap



Step 1



Step 2



Step 3



Step 4



Step 5

## General Documents:

- ✓ Copy of verification of Third-party network provider communications.
- ✓ Verification of 4G cell phone activation and IP registration completed.
- ✓ Verification of Refueling/Charging.
- ✓ For EVSE's: RSA certification of Level 2 EVSE completed (where necessary).

## Lane Specific Requirements:

### Hydrogen Applicants

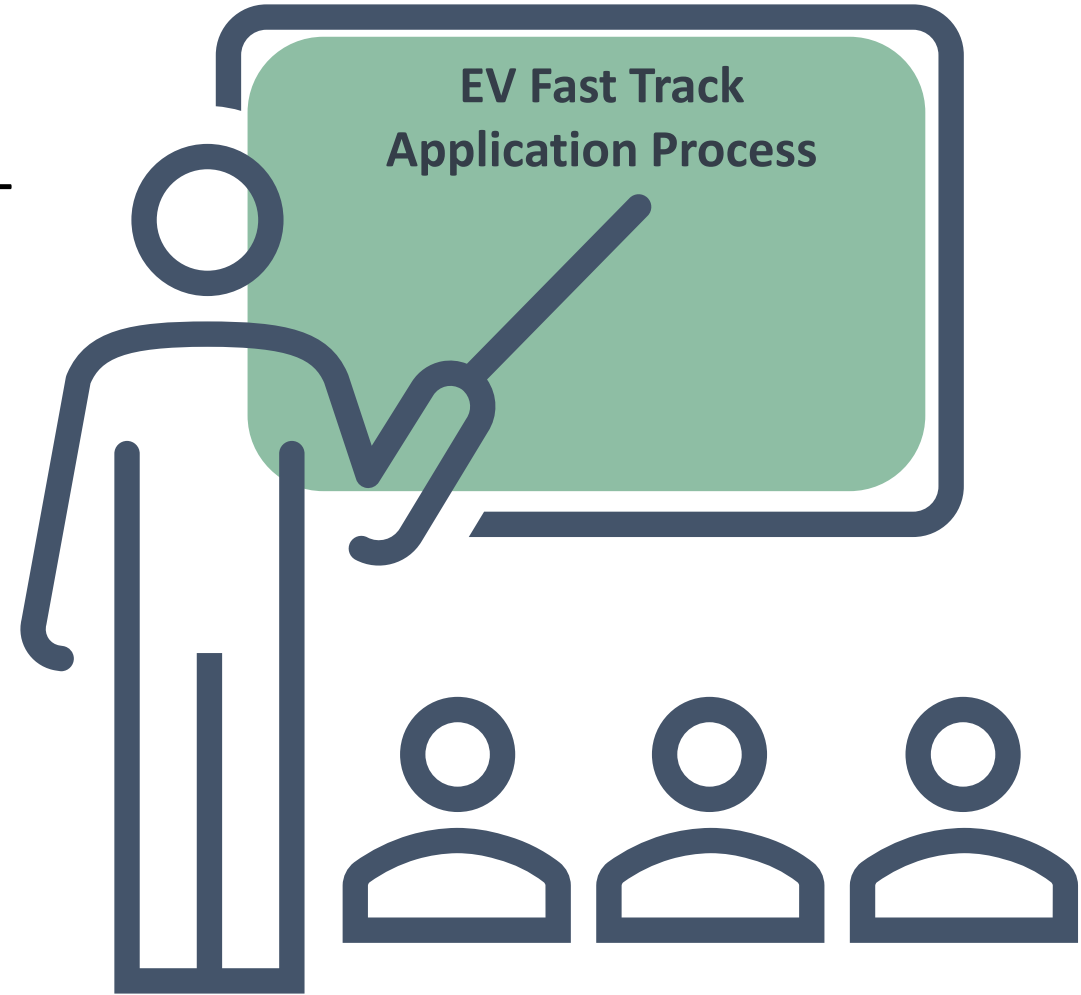
Secures supply chain arrangement for hydrogen delivery.



# Next Steps

# Register for Next EnerglIZE Workshop

- ✓ January 11, 2022, 9am – 10:30am PST
- ✓ Workshop will provide in-depth walk through of the entire EnerglIZE Application process.
- ✓ Zoom registration link – [Click Here!](#)



# Next Steps

- ✓ Stay tuned for EnergiIZE Website launch coming soon.
- ✓ Approved Vendor Network list released: **January 2022.**
- ✓ Register for next EnergiIZE Workshop: *EV Fast Track Application Process* – **January 11, 2022.**
- ✓ EV Fast Track Funding Lane will begin accepting applications **Q1 2022.**



# Q&A

# Contact Us

---



877-ENR-GIZE  
877-367-4493



[infrastructure@CALSTART.org](mailto:infrastructure@CALSTART.org)



[www.EnergyIIZE.org](http://www.EnergyIIZE.org)



48 S Chester Ave  
Pasadena, CA 91106