

| <b>DOCKETED</b>         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| <b>Docket Number:</b>   | 23-TRAN-02                                                              |
| <b>Project Title:</b>   | Electric Vehicle Infrastructure Project Tracker                         |
| <b>TN #:</b>            | 251070                                                                  |
| <b>Document Title:</b>  | Presentation - Electric Vehicle Infrastructure Project Tracker Workshop |
| <b>Description:</b>     | N/A                                                                     |
| <b>Filer:</b>           | Spencer Kelley                                                          |
| <b>Organization:</b>    | California Energy Commission                                            |
| <b>Submitter Role:</b>  | Commission Staff                                                        |
| <b>Submission Date:</b> | 7/17/2023 4:27:04 PM                                                    |
| <b>Docketed Date:</b>   | 7/17/2023                                                               |



# California Energy Commission

Electric Vehicle Infrastructure Project Tracker | Public Workshop

July 19, 2023



# **Welcome and Housekeeping**



# Agenda

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- 9:00 – Welcome and Housekeeping
- 9:05 – Background
- 9:15 – Staff Concept
- 9:30 – Questions and Answers
- 10:00 – Public Comment
- 10:25 – Close and Next Steps



# Housekeeping

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- Workshop is being recorded
- Written comments to docket 23-TRAN-02

**Deadline for Written Comments: August 8, 2023**

Workshop event webpage:

<https://www.energy.ca.gov/event/workshop/2023-07/electric-vehicle-infrastructure-project-tracker-workshop>



# Commitment to Diversity

The CEC adopted a resolution strengthening its commitment to diversity in our funding programs. The CEC continues to encourage disadvantaged and underrepresented businesses and communities to engage in and benefit from our many programs.

To meet this commitment, CEC staff conducts outreach efforts and activities to:

- Engage with disadvantaged and underrepresented groups throughout the state
- Notify potential new applicants about the CEC's funding opportunities
- Assist applicants in understanding how to apply for funding from the CEC's programs
- Survey participants to measure progress in diversity outreach efforts



# Diversity Survey



Scan the code on a phone or tablet with a QR reader to access the survey.

## One Minute Survey

The information supplied will be used for public reporting purposes to display anonymous overall attendance demographics.

Zoom Participants, please use the link in the chat to access the survey or scan the QR code on the left of the screen with a phone or tablet to access the survey.

Survey will be closed at the end of the day.



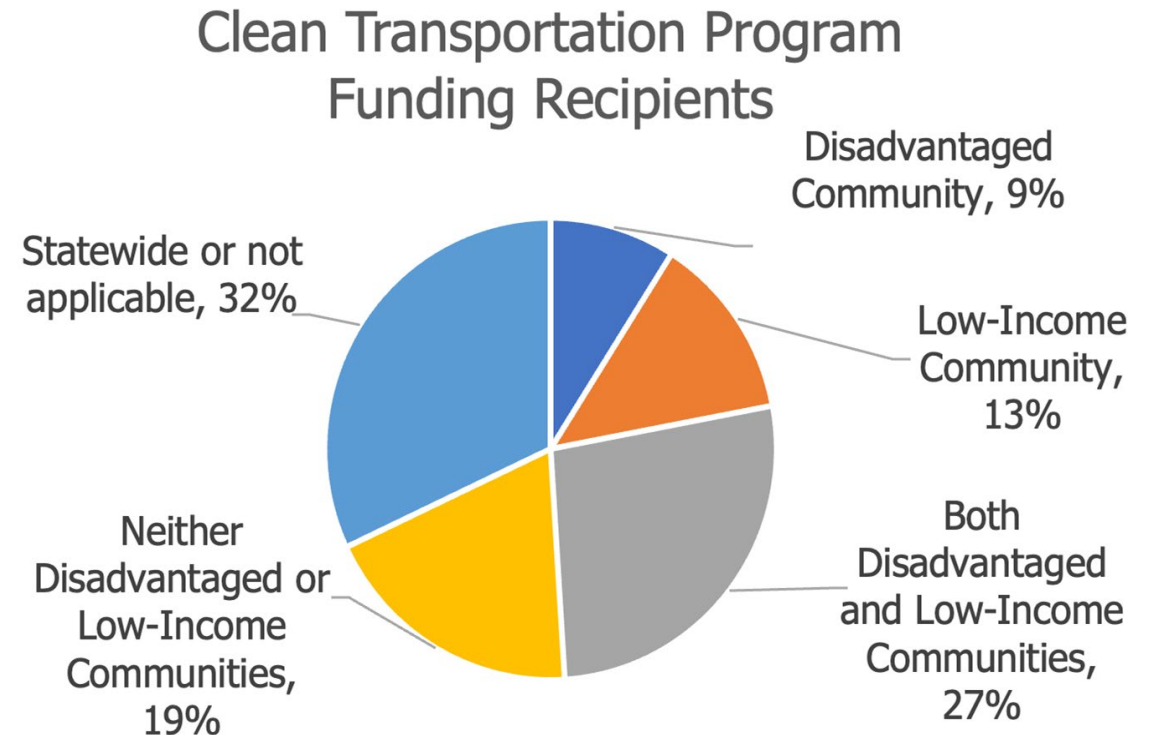
# Background



# Clean Transportation Program

The CEC Clean Transportation Program promotes accelerated development and deployment of **zero-emission vehicle infrastructure**, with a focus on underserved communities.

- Electric vehicle (EV) charging
- Hydrogen refueling infrastructure
- Medium/heavy-duty zero-emission vehicle infrastructure
- Workforce development and training
- In-state manufacturing



As of April 2022.



# CEC EV Charging Deployment

The CEC is investing billions of dollars in EV charging infrastructure...

*Selected funding programs*



Public passenger EV charging infrastructure

**Rural Electric Vehicle (REV)**  
EV charging infrastructure for rural areas



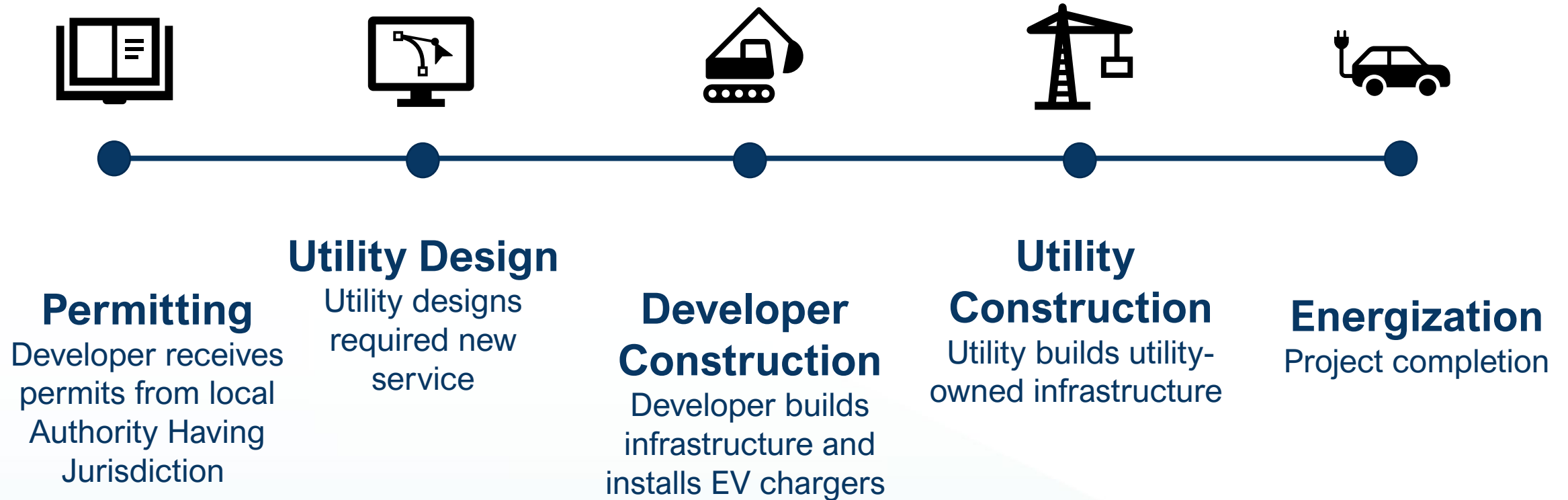
Zero-emission medium/heavy-duty vehicle charging and refueling infrastructure

**Reliable, Equitable, and Accessible Charging for Multi-Family Housing (REACH)**  
EV charging infrastructure for multi-family homes

... but permitting and construction delays are slowing these investments.



# Building EV Charging Stations



Permitting and building EV charging stations requires coordination between Authorities Having Jurisdiction (AHJ), project developers, utilities, and landowners.



# State Streamlining

- State policy seeks to streamline EV charging permitting
- Investor-owned utilities have adopted target time requirements for utility work on certain EV charging stations

Despite these efforts CEC staff are unaware of a **single statewide database** tracking the time required for:

1. Permitting
2. Utility design and new service construction
3. EV charger developer construction
4. Energization



# EV Infrastructure Project Tracker

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**Problem:** Building EV charging stations is time consuming, but state agencies do not have a comprehensive understanding of delays.

**Solution:** The EV Infrastructure Project Tracker will allow the CEC to fully understand how long EV charging projects are taking across California and track progress. Further, it will allow for analysis to see if certain jurisdictions or territories are having longer than average delays.



# Staff Concept





# Staff Concept

CEC staff proposes to develop an EV Infrastructure Project Tracker that will track the permitting and construction of new EV charging sites. The Tracker will consist of:

1. Permitting and construction timeline **reporting requirements** in future CEC solicitations
2. A **data portal** for reporting timeline data to the CEC
3. A **database** to allow CEC staff to store and analyze timeline data
4. Public **web dashboard** for reporting project status and trends
5. A **noticing system** that lets all site stakeholders know when an action has been taken in the tracker



# Reporting Requirements

Future CEC EV charging solicitations will require grantees to report detailed timeline data including:

- AHJ permit submittal date
- AHJ permit approval/denial date
- Utility application submittal date
- Utility final design date
- Developer construction start and complete dates
- Utility construction start and complete dates
- Energization date
- Reasons for permit denial or other project non-completion

## Question for stakeholders:

*What timeline data is appropriate to collect?*



# Data Portal

Grantees will use a web-based data portal to submit:

- Site characteristic and timeline data
- Contact information for relevant utility and AHJ

All relevant parties will be notified when a project action has been taken and is in their queue for pending action.

Non-CEC funded projects could participate on an opt-in basis.

## **Question for stakeholders:**

*How frequently should data be reported? As project stages are completed, or on a quarterly basis?*



# Database

The CEC will store timeline and site data, enabling statewide analysis of:

- Average permitting timelines by AHJ
- Specific site characteristics associated with permitting and construction delays
- Other permitting and construction bottlenecks

## **Question for stakeholders:**

*What questions should the CEC use this data to analyze?*

## **Question for stakeholders:**

*Are off-the-shelf products that the CEC could use for this Tracker tool available?*



# Web Dashboard

A public web dashboard will display data from the database, including at a minimum:

| <u>Statistic</u>                                        | <u>Summarized at:</u> |
|---------------------------------------------------------|-----------------------|
| Time required to receive permits                        | AHJ or county         |
| Time to final design                                    | Distribution utility  |
| Time to complete developer construction                 | AHJ or county         |
| Time to complete utility construction and energization  | Distribution utility  |
| Whether local AHJ has qualified for permit streamlining | AHJ or county         |



# Web Dashboard

Web dashboard may use map format to display timeline data summarized at the county level, or potentially individual site level.

## County A

- Average permitting timeline: 60 days
- Average utility construction timeline: 140 days
- Average overall project timeline: 220 days

## County B

- Average permitting timeline: 45 days
- Average utility construction timeline: 120 days
- Average overall project timeline: 200 days

## Question for stakeholders:

*Should timeline data be summarized at the county level, or displayed for each individual CEC-funded EV charging project site?*



# Noticing System

The Tracker may include a private noticing system that provides automated status messages to relevant parties, including:

- Grantees
- AHJs
- Utilities

## **Question for stakeholders:**

*Would an automated noticing feature speed project timelines? Are there other bottlenecks a noticing system could solve?*



# **Question and Answer**

## **Public Comment**



# Public Comment

## Instruction

- 3 minutes or less per person
- 1 representative per organization

## Zoom App/Online

- Click “raise hand”

## Telephone

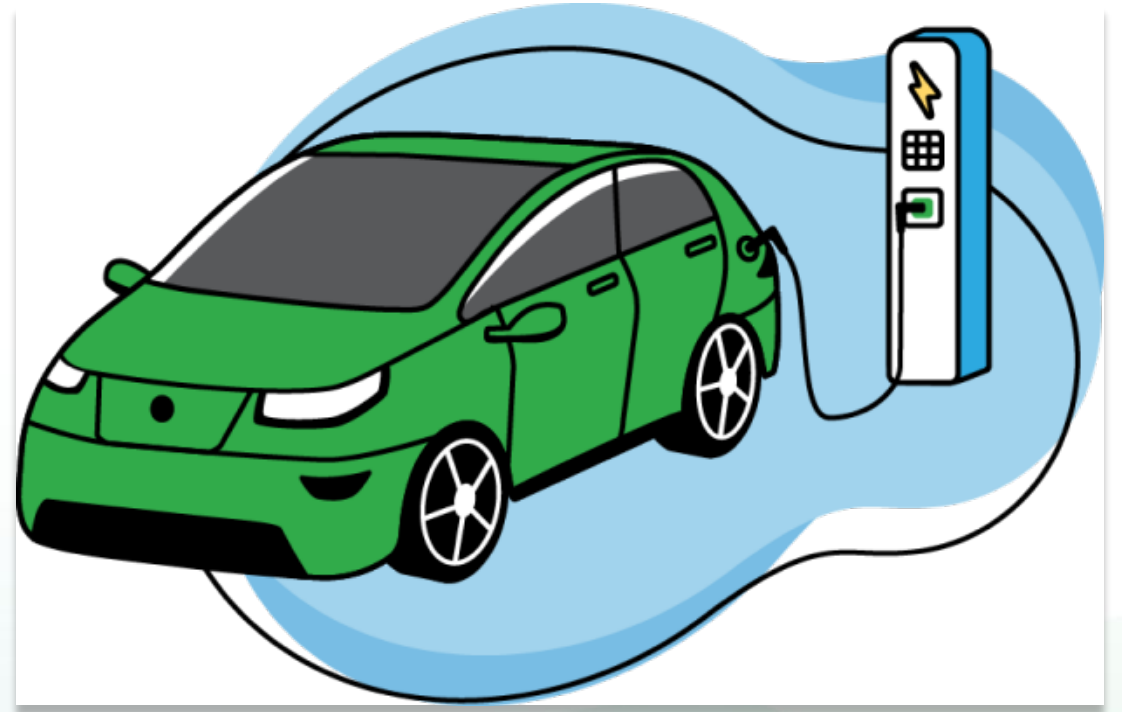
- Press \*9 to raise hand
- Press \*6 to (un)mute

## When called upon

- Staff will open your line
- Unmute, spell name, state affiliation, if any

For Phone Participation: Dial (888) 475-4499 or (669) 219-2599

Enter Webinar ID 885 6099 4864 and passcode 725516





# Close and Next Steps



# Draft Schedule

|                                                      |               |
|------------------------------------------------------|---------------|
| Public workshop                                      | July 19, 2023 |
| CEC staff incorporate feedback into revised proposal | Q3 2023       |
| Development period                                   | Q1 – Q2 2024  |
| Public beta launch                                   | Q3 2024       |
| Full launch                                          | Q1 2025       |

CEC staff plans to incorporate feedback from this workshop into a final development plan and hopes to trial the Tracker in an initial beta solicitation in mid-2024.



# Next Steps

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Thank you for your participation!

- Written Comments to Docket 23-TRAN-02  
**Deadline for Written Comments: August 8, 2023**
- Taylor Marvin  
[Taylor.Marvin@energy.ca.gov](mailto:Taylor.Marvin@energy.ca.gov)  
(916) 776-3652

CEC staff will use stakeholder input to create Draft Electric Vehicle Infrastructure Project Tracker, which we anticipate releasing for public comment Q3 2023.



# Thank You!