

DOCKETED

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EnergIIZE Site Planning Workshop Slides and Recording

EnergIIZE Commercial Vehicles Project IRC Site Planning Workshop PowerPoint slides below from July 28, 2022 presentation. The Workshop provides an overview of site selection for charging infrastructure for zero-emission medium- and heavy-duty vehicles and discussion with Southern California Edison.

A recording of the Workshop is viewable at the link below.
<https://www.youtube.com/watch?v=bytei4pGo5Q>

Additional submitted attachment is included below.

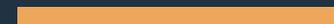


Energize
COMMERCIAL VEHICLES

July 28, 2022



Site Planning



Infrastructure Readiness Center (IRC) Webinar highlighting how fleets may choose a site for their charging infrastructure

EnergIZE Commercial Vehicles

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles
Accelerating fueling infrastructure deployment for zero-emission trucks, buses and equipment

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Zoom Logistics

Webinar URL:

<https://us06web.zoom.us/j/89516342193?pwd=OSsyRUI3b3YvMmNOZlF4K2Fua2dsZz09>

Webinar ID: 895 1634 2193

Passcode: 045697

Mobile:

+16699006833,,89516342193# US (San Jose)

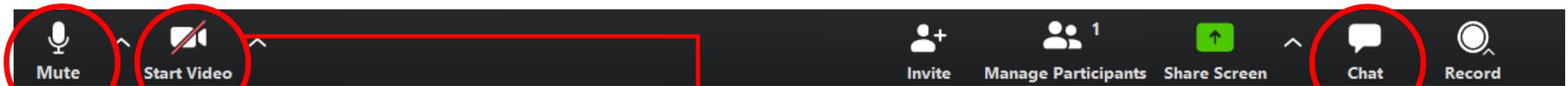
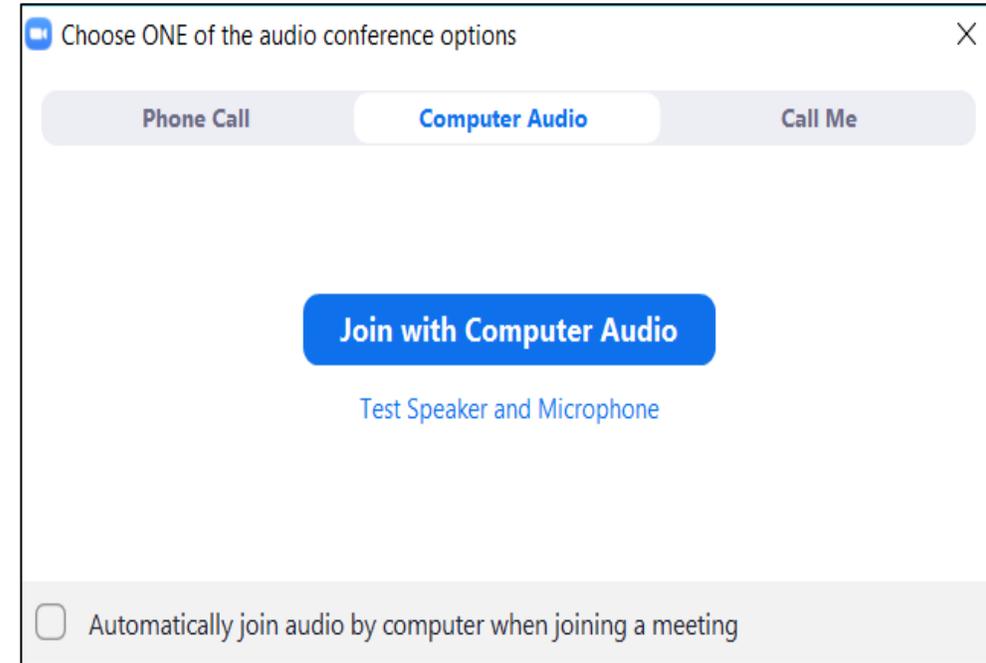
+16694449171,,89516342193# US

Dial by your location

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

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



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.

Agenda

- 1 Objectives of this session
- 2 Make-Ready and IRC Overview
- 3 Investor-Owned Utility (IOU)
Southern California Edison (SCE)
Presentation
- 4 SCE Discussion Questions
- 5 Q&A



Image: EV Charging Station Site

Objectives

- To provide overview for commercial fleets on:
 - Selecting a site.
 - Preparing for a site assessment.
 - Assessing a site during the walkthrough.
- Highlight important partnerships for fleets during site selection.



Infrastructure Readiness Center (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

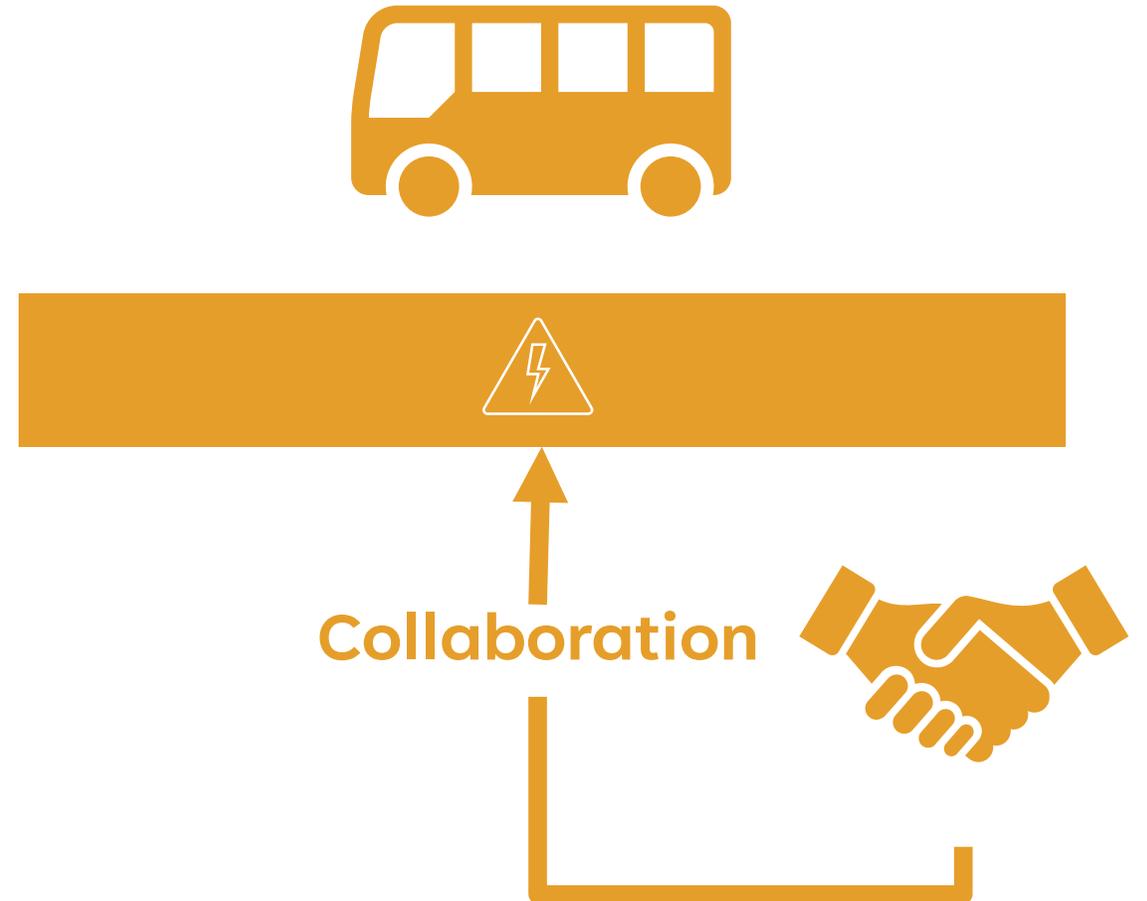
Recordings of past webinars and events, and coming soon: EnergIIZE updates and testimonies on project participation

Application Documents

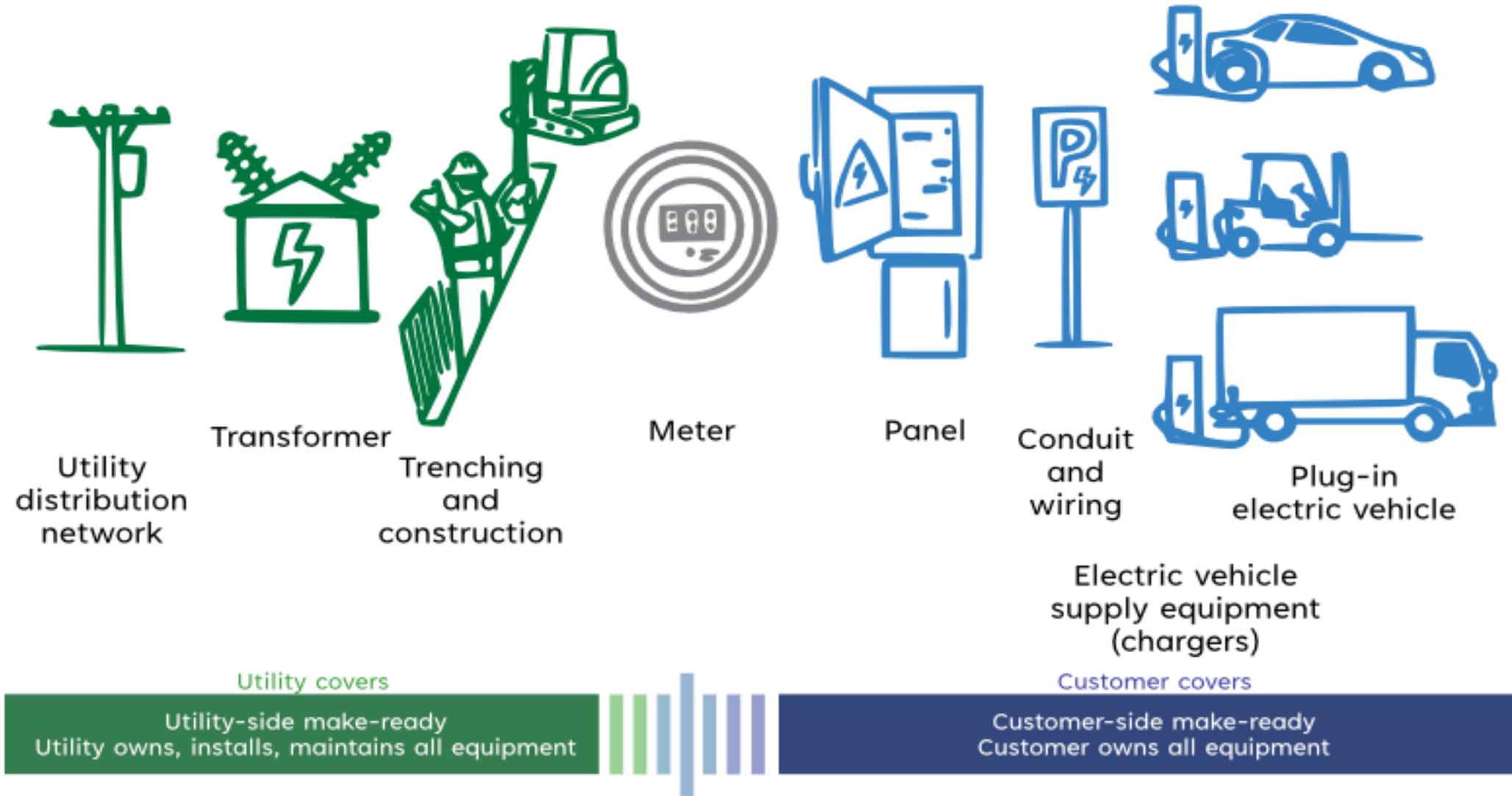
Application forms and Implementation Manual

Visit www.energiize.org/irc

What Make-Ready Does for You



Make-Ready and EnergIZE



NOTE: EnergIZE and make-ready incentives can be stacked.

Image: Adapted from Jessica Russo, Natural Resources Defense Council (NRDC)

Charge Ready Transport

Preparing for a Site Assessment



Adam Stadnik, PE, CEM
Project Manager, Transportation Electrification



About Southern California Edison

An Edison International Company

Who We Are

- One of the nation's largest electric utilities
- Headquarters in Rosemead, California
- More than 130 years of history

Who We Serve

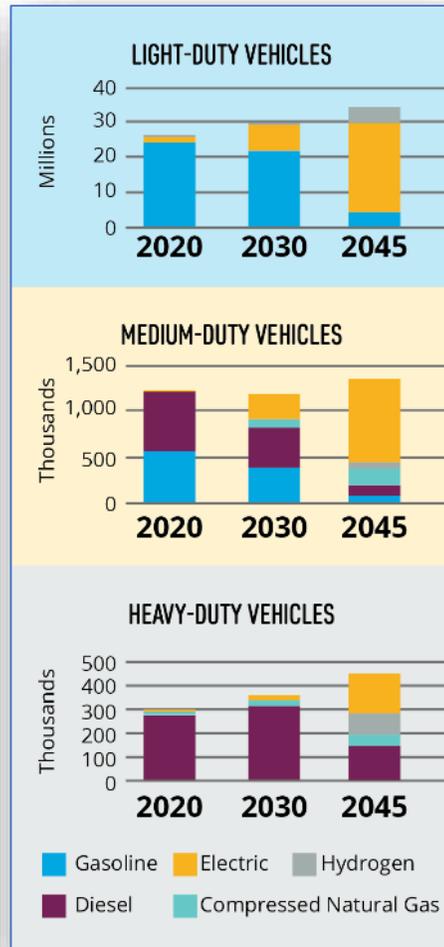
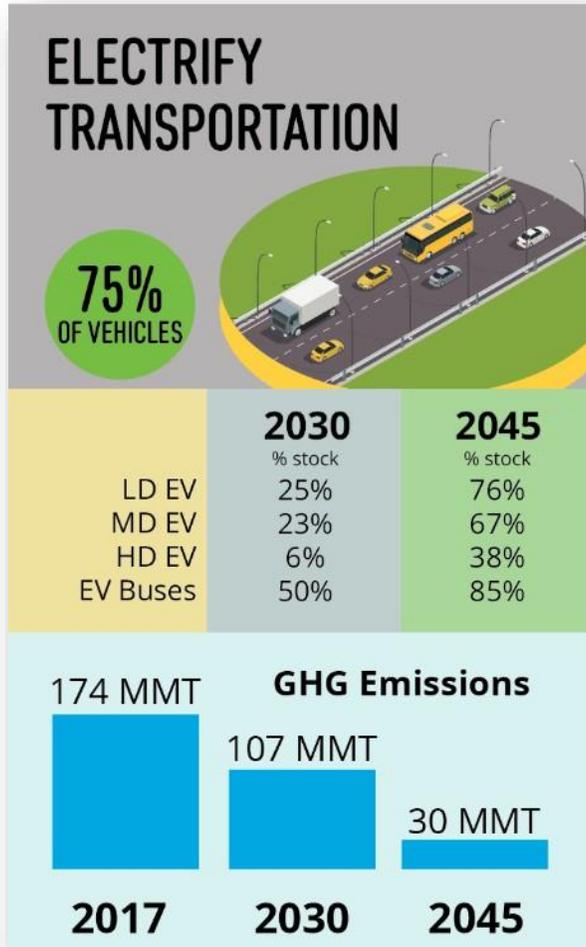
- 50,000 square miles of SCE service area across Central, Coastal and Southern California
- 15 million residents in service territory
- 5 million customer accounts

Clean Energy

- About 48 percent of the electricity that SCE delivers to customers comes from carbon-free resources, including solar and wind. (2019)
- More than 3,600 rooftop solar installations connected on average per month (2018)
- No. 1 utility for energy storage nationally, according to the Smart Electric Power Alliance (2018)



SCE Pathway 2045: The Road to Carbon Neutrality



SCE Targets for 2045

- Light Duty**: Electrify 26 million passenger cars, 75% of total fleet.
- Medium Duty**: Electrify 900,000 medium-duty (Class 3-6) vans, trucks & shuttles, or 67% of vehicles on the road.
- Heavy Duty**: Electrify 170,000 heavy duty (Class 7-8) trucks and buses, or 38% of trucks and 85% of buses.

↓

Decarbonize the transportation sector in Southern California by 144 million metric tons of CO2 annually!

[Read the Pathway 2045 White Paper Here](#)

Distribution Resources Plan External Portal (DRPEP)

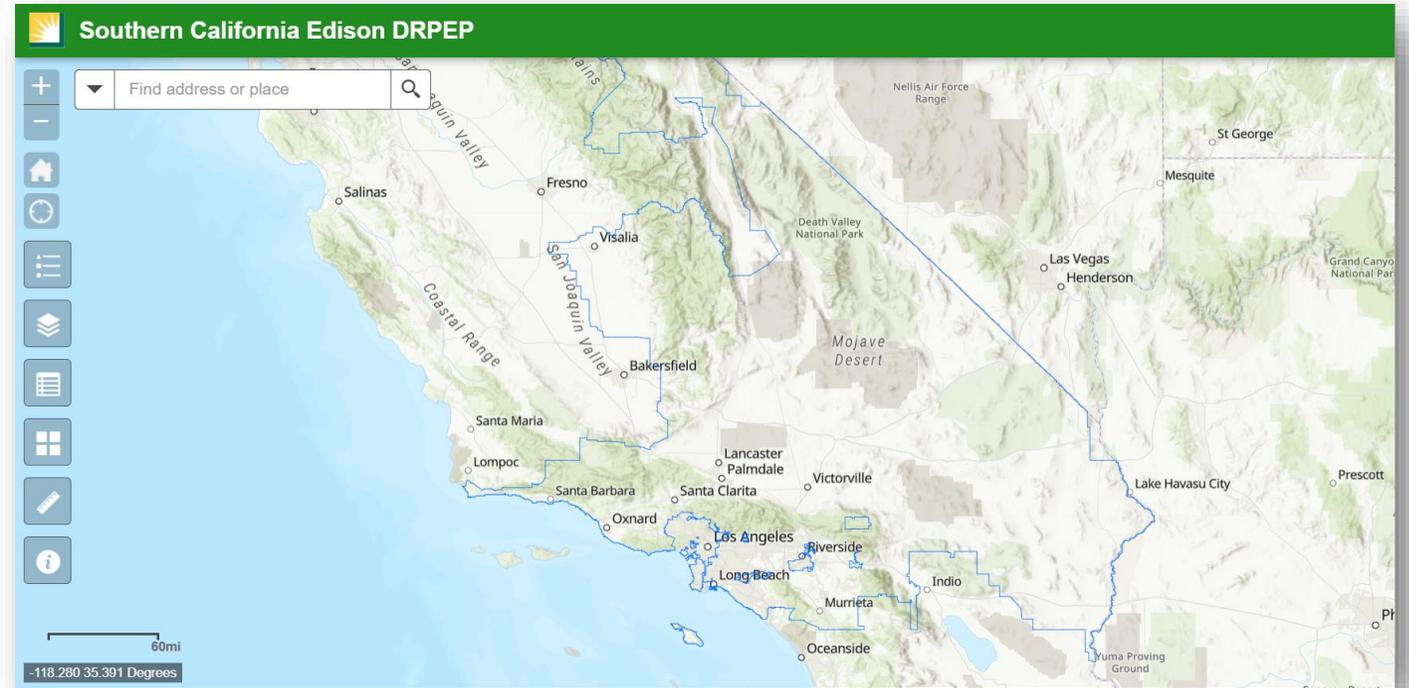
Public facing GIS tool intended to:

- Support customer use of clean energy technologies
- Streamline the interconnection process
- Help California meet its clean energy goals

Use for determining queued circuit capacity in proximity to your project

Limitations:

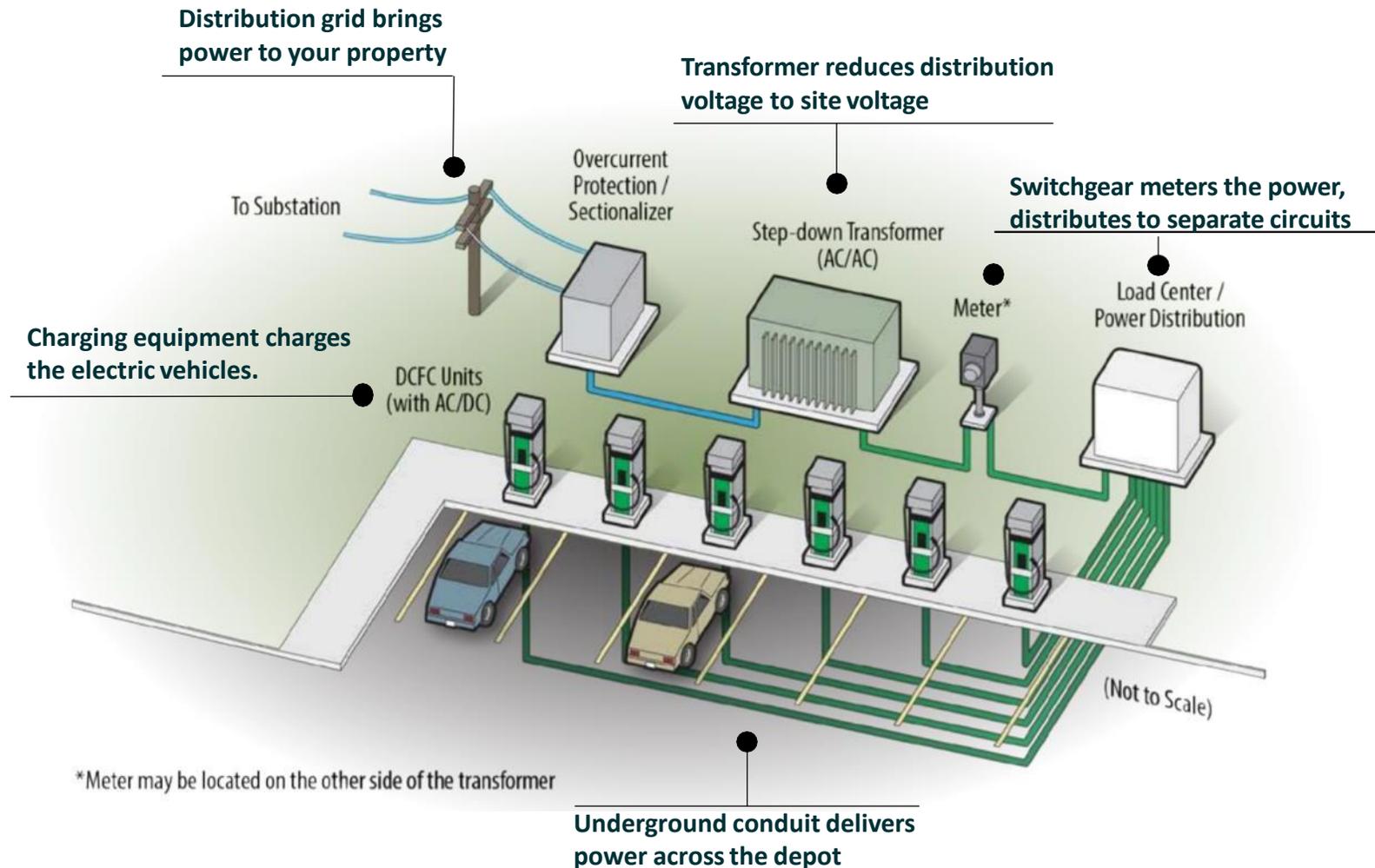
- Snapshot of point in time
- Data redacted in designated cases



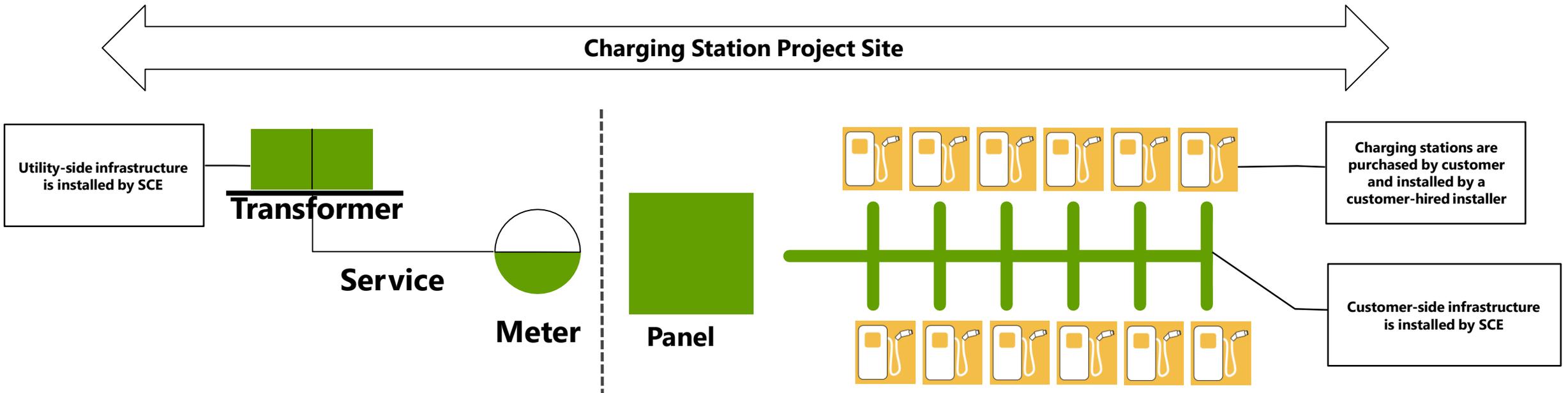
Find DRPEP here: [Southern California Edison DRPEP \(sce.com\)](https://www.sce.com/drpep)

Find the DRPEP user guide here: [https://edisonintl.sharepoint.com/aboutme/Training Central/Forms/References.aspx?id=%2Faboutme%2FTraining Central%2FDRPEP_UG%2Epdf&parent=%2Faboutme%2FTraining Central](https://edisonintl.sharepoint.com/aboutme/Training%20Central/Forms/References.aspx?id=%2Faboutme%2FTraining%20Central%2FDRPEP_UG%2Epdf&parent=%2Faboutme%2FTraining%20Central)

Components of depot charging infrastructure

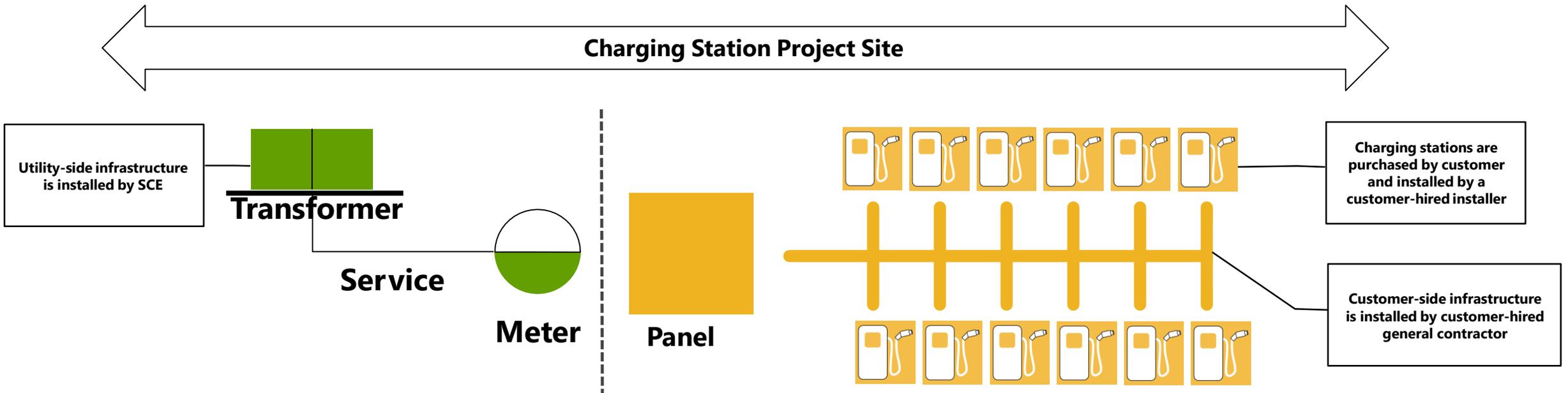


CR Transport Project: SCE-Built Infrastructure



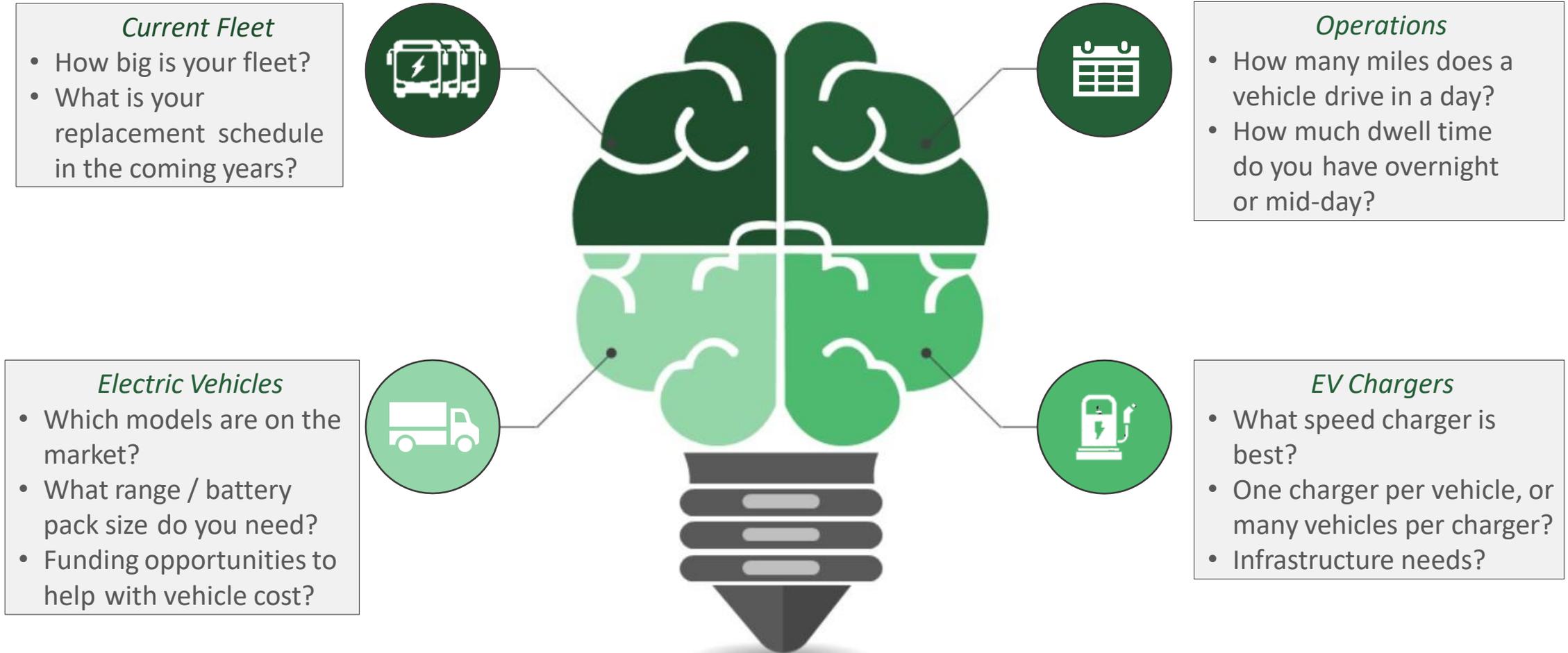
-  Infrastructure deployed by SCE (all costs covered by the Program)
-  Customer-owned and installed with SCE partial rebate for select customer classes

CRT Project: Customer-Built Infrastructure



-  Infrastructure deployed by SCE (all costs covered by the Program)
-  Customer-built with SCE rebate up to 80% of project costs
-  Customer-owned and installed with SCE partial rebate for select customer classes

Things to “think” about when developing your EV truck or bus project



Am I ready to apply?

If you can answer these questions, you are ready to submit a Charge Ready Transport application.

Apply using our online portal or on the phone with your Account Manager or SCE advisor, who can walk you through the process.

To take the next step, contact your Account Manager or one of SCE's TE Advisors.

Site Information

- I have selected the project site (address)
- I have chosen 1-3 optimal locations to place the chargers on-site
- I have support from the property owner for the project

01

Vehicle Information

- I know the number of vehicles, vehicle type and estimated deployment date.
- Funding is secured for the vehicles, including grants or vouchers if applicable.
- I know the vehicle make and model. (recommended)

02

Charger Information

- I know the number of chargers and power level (kw) I need
- I have selected the charger make and model off the Approved Product List (recommended)

03

Future Deployment Plans (optional)

- Can you commit to purchasing additional EVs over the next ten years?
- If so, what is your deployment schedule for EVs over the next ten years?

04

Conducting the Site Assessment

Site Team

Leverages site plans, sketches, and drawings provided by applicant to assist with planning and design activities. The SCE Site Assessment Team is typically comprised of:

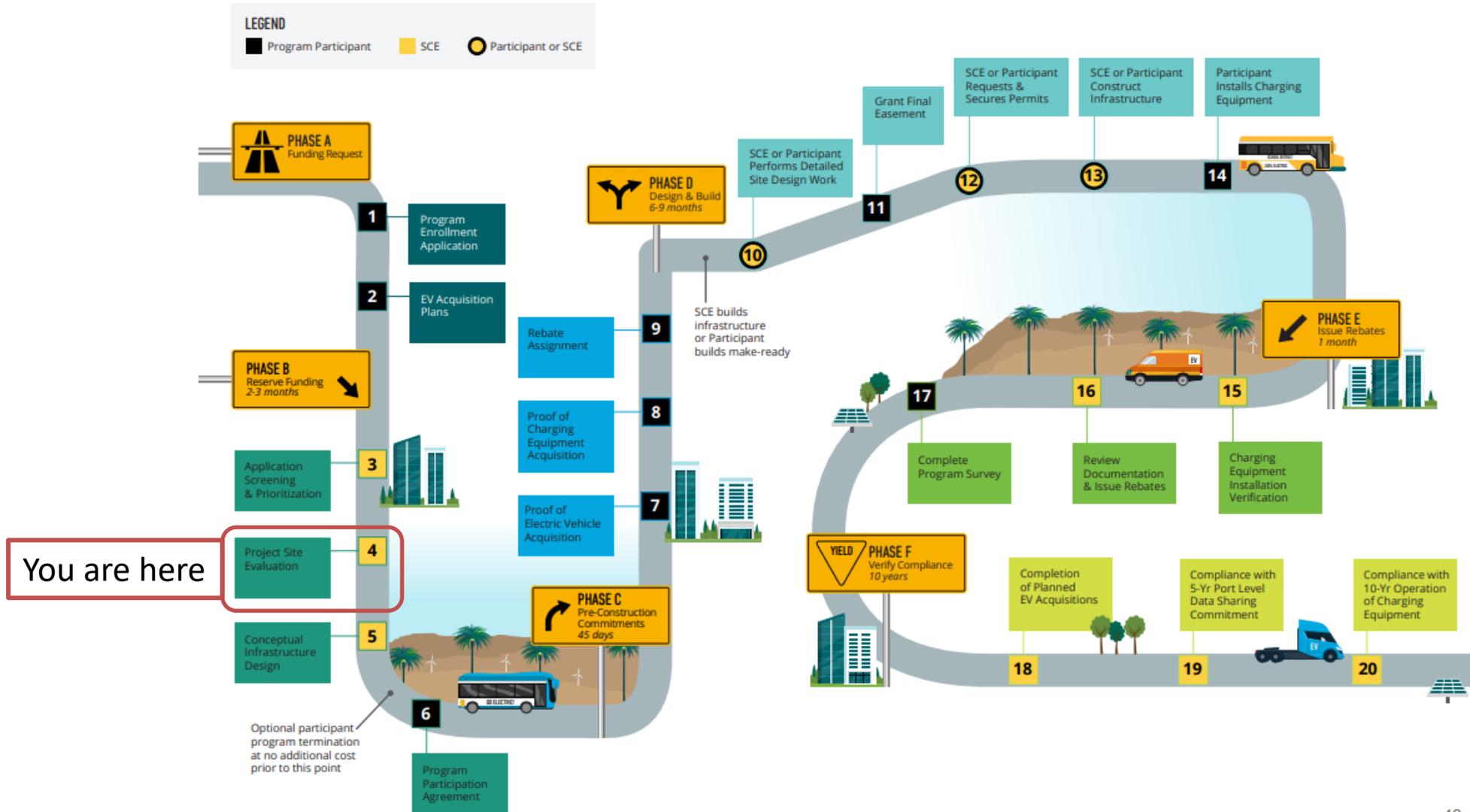
- A T&D infrastructure Project Manager
- SCE's consulting engineer
- The applicant
- Site or Facility Manager (as needed)
- Charging Equipment Supplier (if the applicant has already decided which charging equipment he or she plans to purchase)

Site Assessment (aka Job Walk)

During the Site Assessment, the SCE team will leverage site plans, sketches, and drawings provided by the applicant to lay groundwork for developing a conceptual design:

- Identify where SCE will bring in power
- Solidify the planned location of the electrical infrastructure
- Evaluate the proposed charging area and review any existing infrastructure
- Gathering sketches, photographs, measurements and notes to develop the conceptual design

Charging Ahead



Lessons Learned



Charger / Vehicle Compatibility

Parking configuration

Permitting

Charge Ready Transport

More Information:

www.sce.com/crt

chargereadytransport@sce.com



SOUTHERN CALIFORNIA
EDISON®

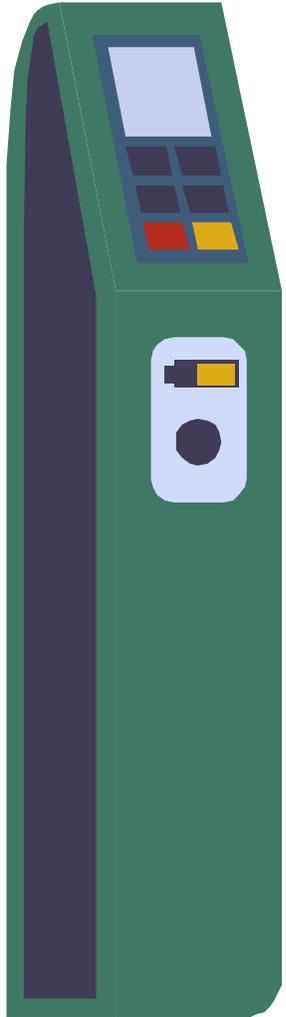
Energy for What's Ahead®





SCE Discussion Questions

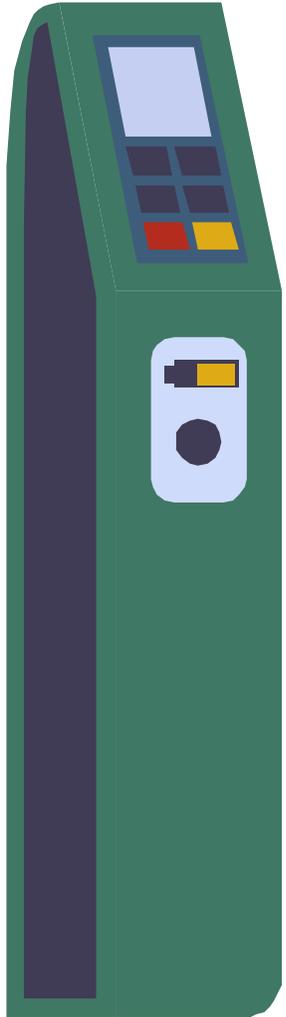
Discussion Questions



1

What important features make a site suitable for EV infrastructure?

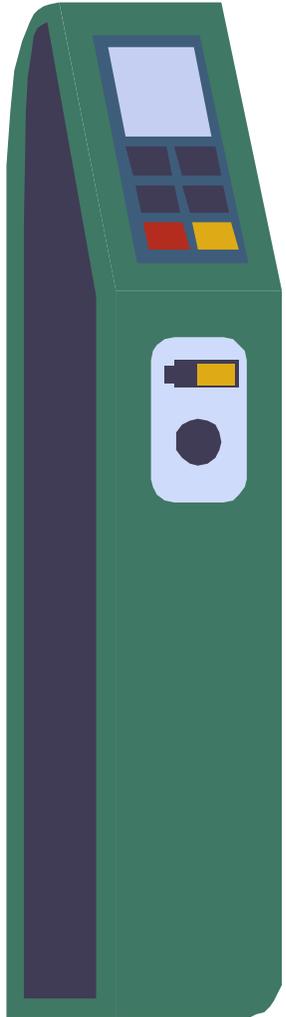
Discussion Questions



2

Please describe a fleet manager's role during a site assessment.

Discussion Questions



3

What are the most important partnerships during infrastructure site selection and assessment?



Q&A

Contact Us



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877-367-4493



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