

SITE ASSESSMENT AND FEASIBILITY

THE BASICS

Installing Level 2 EVSE on your project site is a big task.

Use this guide for some tips to conduct a site assessment before starting your project.



Site Feasibility: An investigation of a prospective project site to determine that Level 2 EVSEs is right for your Site's EV charging needs.



Site Assessment: An evaluation of a prospective project site to investigate the capacity a site has to sustain Level 2 EVSE.



DO YOUR COMMUNITY MEMBERS NEED ACCESS TO EV CHARGING?

Understanding your community or customer needs is important to determine the quantity of connectors you may need to meet demand at your site.

1

How many EVs do you currently see on your property? Do you anticipate a growing number of EV owners in your community that may benefit from charging infrastructure in the next 3 years? .

- ✓ Helps determine general demand based on count of EVs
- ✓ Helps determine the quantity of connectors which may be needed

2

Can you approximate how many miles your community members drive per day?

- ✓ Helps determine how much electric charge may be required to support and fulfill drivers' needs on a daily basis

3

How much time do you anticipate community members may spend parked and charging at your project site?

- ✓ Helps further determine the quantity of connectors to install
- ✓ Helps determine the load capacity, or amount of energy needed

HOW TO EXECUTE A SITE ASSESSMENT

Assessing the electric capacity for EV charging infrastructure:

The next step in planning your installation of EVSEs at your property is to assess the electric capacity available for charging. An experienced facility manager or contractor should gather information on the property's existing electrical system to provide to the local electric utility company. This will determine if new service or upgrades will be needed.

Facility manager or contractor
can begin to collect the following:

Location(s) of existing electrical panels throughout the property, particularly relative to locations of parking

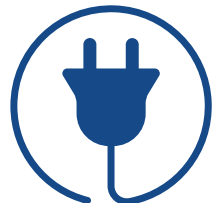


Output voltage of existing electrical panels (e.g., 120V, 240V, 480V, etc.)

Approximate excess capacity of each existing electrical panel



Recommend which EVSE equipment would best suit your site



Once the site assessment is complete and your site is a feasible site for Level 2 EVSEs, don't forget to collect an estimate, contact your local utility and obtain a permit.



COMMUNITIES IN CHARGE



communitiesincharge@calstart.org



www.thecommunitiesincharge.org/