

# ROADMAP TO INSTALL EV CHARGING STATIONS

## 1 ASSESS THE NEED

Understanding the intended use for the charging station will help guide you through the station and site selection process, and ensure that you maximize station use and minimize costs.



**WHO** needs to use the station?

*Municipal employees vs. general public*



**HOW** will they use the station?

*Overnight/9-5 vs. during meetings vs. long trips*



**WHERE** will they be parked?

*Garage vs. town parking lot vs. commuter lot*

## 3 SELECT A SITE

Site selection is often easily determined by the type of station and how it will be used. For example, a Level II station used by municipal staff may need to be by the Town Hall. However, the specifics of site selection are important to minimize installation costs.

**Proximity to Power** Where is there enough power?

**Mounting Type** Is there a wall nearby or does it need a pedestal or pole mount?

**ADA Compliance** Is the site accessible?

**Wayfinding & Visibility** How will drivers find the site?



Location can also impact upkeep and maintenance costs. Make sure to consider sun exposure, winter conditions, and driver behavior to mitigate future costs.

need help?

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## HOW TO USE THIS GUIDE

Use this roadmap to get an initial understanding of which types of EV charging stations will meet the needs of your community and what factors to consider when planning for an install.

## 2 CHOOSE A STATION

There are three primary types of charging stations. All types can be further customized depending on the manufacturer and needs identified.

	Power	Time	Standard Use
<b>Level I</b>	120V	6-10 hrs	Staff use during work day, long term parking at commuter lots or vehicles parked overnight.
<b>Level II</b>	204-240V	1-3 hrs	Commercial use or work vehicles that are heavily used and need a midday charge.
<b>DC Fast Charging</b>	480V	30 mins	Best for highway sites to enable longer vehicle trips.

## 4 PROCURE & INSTALL

Using the statewide contract VEH102, purchasing the charging station to meet your needs has never been easier. Several vendors offer turnkey solutions from site assessment, install and maintenance.

