



## How can AKEVA help? We can:

- Perform a site visit
- Help you select a charger
- Recommend funding sources
- Connect you with a contractor
- And more!

**Want to learn  
more about  
EV charging?**

**Find us at:**

**WWW.AKEVA.ORG**

**INFO@AKEVA.ORG**

# Charging Electric Vehicles

**A Property Owner's Guide**



# Why?

- Build customer loyalty
- Provide charging to your employees as a benefit
- Support locally produced energy
- Breathe cleaner air
- Help electrify AK!

## What Kind?

### Level 1

Requires a standard 120V outlet, which is often already available outside for block heaters. Slowest charge time at 5 miles per hour of charging. Minimal cost.

### Level 2

Requires 240V, which is a typical dryer outlet. Faster charge time at 10-20 miles per hour of charging. Cost: \$2,500 - \$4,900\*

### Level 3

Can charge many EVs to 80 percent in 20-30 minutes. Cost: \$20,000 - \$150,000\*

\*Rocky Mountain Institute

## Level 1

Found at any hardware store.



## Level 2

Brands include Clipper Creek, Siemens, and Leviton.



## Level 3

Brands include ABB, BTC Power, Signet, Efacec, and Tesla.



# Which is right for me?

### LEVEL 1

Most EVs come with a level 1 charger, so a big advantage is cost. You may already have 120V outlets installed outdoors for engine block heaters. These will work great for EV charging. This is best suited for long dwell times.

### LEVEL 2

Upgrading to level 2 charging can be a good option to increase charging speed and serve more customers. We've found non-networked chargers are most cost effective. Great for locations where vehicles will be parked 2 or more hours, or for retail locations where Level 3 isn't cost effective.

### LEVEL 3

Level 3 charging is best suited to corridor charging or urban clusters with high numbers of EVs. These stations provide a high rate of charge but can be cost prohibitive. They are best suited for short dwell times, like rest stops or gas stations.