Information to Help Decide Your Best EV Charging Options

There are choices and costs associated with different levels of charging and programs offered by Grand Rapids Public Utilities. Here is some information that may help you decide.

- **Level 1** charging happens when you charge an electric vehicle (EV) using the charger included with the car. These chargers can be plugged with one end into any standard 120V outlet, with the other end being plugged directly into the car.
  - Advantages: No added installation costs.
  - Disadvantages: Regular electric service rate and longer charge times.

- **Level 2** chargers are sold separately from the car. These chargers require a slightly more complicated setup as they are plugged into a 240V outlet which allows charging 3 to 7 times faster, depending on the electric car and the charger. They usually must be installed by an electrician.
  - Advantages: Faster charging time and ability to receive lower time of use EV service rate.
  - Disadvantages: Added costs (to be evaluated by a qualified electrician), home electrical assessment, electrical permit, panel upgrade, installation, charger (typically $500-$700).

- **Electrical Vehicle Service Rate (Level 2 and Up)**
  - Advantages: Reduced rate if charged at night.
  - Disadvantages: Another meter fee, increased installation cost, higher daytime rate.

Frequently Asked Question: Is EV service rate right for me?
Answer: If you can charge at night and you drive enough miles to cover the meter fee.

The following calculation, using average EV Power Usage, estimates break-even at 212 miles per month.

Standard Rate (city over 500 kWh/mo):	EV Rate Off-peak:	Meter Fee:	Rate difference:	Cover Meter Fee:	Miles needed per month:
$0.1159	$0.055	$4.15	$0.0609	68.14 kWh	212.95
Average EV Power usage:					**Miles per day (30):**
0.32 kWh per mile					7.10

GRAND RAPIDS PUBLIC UTILITIES
Service is Our Nature

Grand Rapids Public Utilities Commission (GRPU) is a municipal utility established by the City of Grand Rapids, Minnesota. Utilities under the jurisdiction of the GRPU include electric distribution, water treatment and distribution, and wastewater collection and treatment.

218-326-7024 • Website: cityofgrandrapidsmn.com/utilities
Facebook: grpucmn

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GRAND RAPIDS PUBLIC UTILITIES

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Customer requests information on EV program. Fills out form online or with the help of a CSR.

EV application

Review data

Approximately 1 week to review

APPROVED EV application

Customer decides on standard or time of use (TOU) rate.

Standard rate →

Customer and electrician driven. No further GRPU action.

APPROVED EV application

Sketch and electrical permit

Customer/electrician has installed hardware and state electrical inspection complete.

Contact GRPU to schedule →

GRPU installs TOU meter and starts billing EV under EV TOU rate.

Approximately 1 week to schedule meter install.

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