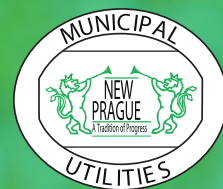


Thinking about owning an EV?



Electric vehicles offer many benefits. Even though EVs have a higher initial vehicle cost, they have a lower cost of ownership over the lifetime of the vehicle. EVs also have lower maintenance costs, lower tailpipe emissions, and many models are eligible for state rebates and federal tax credits. EVs typically accelerate far faster and smoother than gas-powered cars – making them fun to drive! And because they use little or no gas, these vehicles minimize or even eliminate trips to the gas station.

As the charging network across America grows, EVs are not only becoming more affordable, but also more convenient to charge. Southern Minnesota Municipal Power Agency's (SMMPA) member municipal utilities are committed to establishing an EV charging network to help facilitate the transition to EVs in Greater Minnesota. In 2020, participating members installed a DC Fast Charger and two dual-port Level 2 chargers in each of their communities. With a Battery Electric Vehicle (BEV) or Plug-In Hybrid Electric Vehicle (PHEV), you can enjoy the convenience of plugging in at home overnight while you sleep. Plus, we offer a reduced time-of-use EV charging rate to help EV owners save money while charging their vehicle at home.

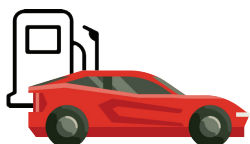


With more positives to owning an EV, this could be the year you go electric! We've pulled together some resources to help with your decision.

3 EV TYPES

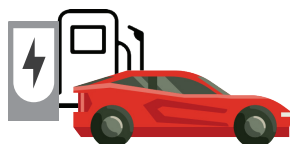
There are currently three main types of EVs available:

1. Hybrid EV (HEV)



Electric vehicle that cannot be plugged into an electrical outlet.

2. Plug-in Hybrid EV (PHEV)



Similar to a Hybrid, but with a larger battery and electric motor.

3. Battery EV (BEV)



Powered solely by an electric battery.

Visit shift2electric.com/evinfo for performance, range, pricing & other details for available EV models.

EV Charging Station Maps & Trip Planners:

ABetterRoutePlanner.com: ABRP is a widely used service that helps EV owners plan road trips and public charging options based on your EV model.

PlugShare.com: Plugshare claims to have "the most accurate and complete public EV charging map worldwide."

Chargeway.net: Chargeway provides a simple color and number system to navigate the electric fuel landscape to guide you to the right public charging stations.

EV CHARGING OPTIONS>

Level 1

Standard 120 Volt
Wall Outlet



**Power
Outlet**

- Up to 5 miles of range per hour of charge.
- Best used for overnight charging and low-mileage daily driving.
- A good option for plug-in hybrid vehicles because of their smaller batteries.
- No installation required; every EV comes with a standard Level 1 charger that you can plug into a standard outlet.

Level 2

240 Volt Outlet (standard
electric clothes dryer outlet)



**Power
Outlet**

- Average of 25 miles of range per hour of charge.
- Best for quick charging; can get a full charge overnight in 8-10 hours.
- Many EV owners have this type of charging station installed at home.
- Often found in public areas such as rest areas, shopping centers, restaurants, etc.

DC Fast Charger

Fastest electric car charging option



**Power
Station**

- Not used for residential EV charging; used for public charging only.
- Provides up to 250 miles of range per hour, depending on the car and charging equipment.
- Can charge up to 80% typically in about 20 to 30 minutes.
- Used to facilitate longer distance driving or road trips or for a quick recharge.
- Not all EVs have the option to use a DC Fast Charger, and sometimes it is available as an upgrade option.

Because EV charging can use as much energy as the typical household, EV charger efficiency is important. **ENERGY STAR-certified** Level 1 and Level 2 EV chargers use 40% less energy than standard chargers in standby (when the EV charger is not actively charging a vehicle - about 85% of the time). The EPA also requires chargers to be safety listed to earn ENERGY STAR certification, providing further peace of mind to EV owners.



Smart chargers have Wi-Fi connectivity and advanced capabilities, such as charge scheduling, load management, and demand response. Smart chargers can be monitored and controlled by a smartphone or connected to a home assistant, such as Alexa or Google Home.

INCENTIVES & OTHER RESOURCES>

Utility Incentives: Over 95% of electric vehicle charging usually happens at home. We offer a time-of-use (TOU) EV charging rate to help EV owners save money while charging their EV at home. With our EV charging rate, customers receive discounted electricity to charge their EV during "off-peak" periods between 10 p.m. and 8 a.m. They still have the flexibility to charge their EV whenever they like, but they can **save about 40% on charging** during those off-peak periods. Plus, we offer a **\$500 incentive** to EV owners who enroll in our TOU EV charging rate, and a **\$150 incentive** for each additional qualifying EV they own. EV owners who are already enrolled in our EV charging rate are eligible for a **\$150 incentive** for each additional EV they purchase. We also offer a **\$15 rebate** for ENERGY STAR-qualified Level 2 Connected EV Chargers. Learn more at SaveEnergyInNewPrague.com.

EV Manufacturer Incentives: Check with your EV dealer or manufacturer about incentives for EVs and/or preparing a home for EV charging. Some EV manufacturers offer public charging discounts with the purchase or lease of a qualifying EV.

Federal Incentives: The Inflation Reduction Act provides the following EV tax credits and rebates: [Credits for New Clean Vehicles Purchased in 2023 or After Used Clean Vehicle Credit](#)

Other EV Resources:

[SMMPA EV Choice](http://SMMPA.EV.Choice)
energywisemn.com/evs
plugstar.com/

DriveElectricMN.org
mnevbuyer.com/