

## SCALING UP ELECTRIC VEHICLES AND EV INFRASTRUCTURE IN KANSAS CITY

### DISCOVER THE BENEFITS OF ELECTRIC VEHICLES.



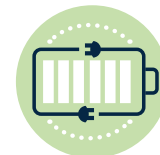
**Easy and affordable to charge up.**

Save time spent stopping at gas stations, and charge up while you sleep, work, or shop. You'll also dramatically cut your fuel costs, with electricity costing a fraction of what gasoline would to travel an equal distance.



**Better for the air we breathe.**

All-electric vehicles produce zero direct emissions such as carbon monoxide, and no tailpipe exhaust to pollute our air. Plus, they can take advantage of cleaner renewable energy sources.



**Plenty of range for any commute.**

Most new all-electric vehicles average 250+ miles of range in a single battery charge, and that range is increasing every year. There are also plug-in hybrid electric vehicles that can drive on electricity only or in gas-hybrid mode.

**Read more benefits of driving electric.**

When you drive electric, you're also driving easier, cleaner, and more affordably. Learn more at [pluginkc.org](http://pluginkc.org).



### TAKE ADVANTAGE OF ELECTRIC VEHICLE INCENTIVES.

**Up to \$7,500 New Electric Vehicle Tax Credit.**

The max tax credit available for new all-electric or plug-in hybrid vehicles changes depending on a number of factors, including where the vehicle was assembled, the vehicle's battery size, and where the minerals and components of that battery are sourced from.

**Up to \$4,000 Used Electric Vehicle Tax Credit.**

The tax credit for previously owned all-electric or plug-in hybrid vehicle equals 30% of the sale price, up to a maximum of \$4,000. To qualify, the vehicle must meet requirements including battery capacity, vehicle weight, sale price, and model year.

**Up to \$500 Home Electric Vehicle Charging Rebate.**

These rebates, available from Evergy to customers in Missouri and Kansas, provides up to \$500 toward the cost of having a 240-volt outlet or a hardwired charging station installed at your home for electric vehicle charging.

**Find out if you qualify for these incentives!**

We break down the details of how to qualify for tax credits and rebates on our website. Learn more at [pluginkc.org](http://pluginkc.org).



## ALL-ELECTRIC MODELS

### CROSSOVER



#### CHEVY • EQUINOX EV

Starting MSRP: **\$33,600**  
Electric Range: up to **319 mi**

Tax Credit up to **\$7,500**

### TRUCK



#### FORD • F-150 LIGHTNING

Starting MSRP: **\$62,995**  
Electric Range: up to **320 mi**

Tax Credit up to **\$7,500**

### CROSSOVER



#### KIA • EV6

Starting MSRP: **\$42,600**  
Electric Range: up to **310 mi**

Tax Credit up to **\$7,500**

### SEDAN



#### TESLA • MODEL 3

Starting MSRP: **\$42,490**  
Electric Range: up to **363 mi**

Tax Credit up to **\$7,500**

### SUV



#### ACURA • ZDX

Starting MSRP: **\$68,500**  
Electric Range: up to **304 mi**

Tax Credit up to **\$7,500**

### CROSSOVER



#### HONDA • PROLOGUE

Starting MSRP: **\$47,400**  
Electric Range: up to **296 mi**

Tax Credit up to **\$7,500**

### CROSSOVER



#### CADILLAC • OPTIQ

Starting MSRP: **\$52,895**  
Electric Range: up to **302 mi**

Tax Credit up to **\$7,500**

### HATCHBACK



#### NISSAN • LEAF SV PLUS

Starting MSRP: **\$36,190**  
Electric Range: up to **212 mi**

## PLUG-IN HYBRID MODELS

### MINIVAN



#### CHRYSLER • PACIFICA PLUG-IN HYBRID

Starting MSRP: **\$51,055**  
Electric Range: up to **32 mi**  
Hybrid Range: up to **520 mi**

Tax Credit up to **\$7,500**

### HATCHBACK



#### TOYOTA • PRIUS PRIME PLUG-IN HYBRID

Starting MSRP: **\$33,375**  
Electric Range: up to **44 mi**  
Hybrid Range: up to **600 mi**

### CROSSOVER



#### MITSUBISHI • OUTLANDER PLUG-IN HYBRID

Starting MSRP: **\$40,445**  
Electric Range: up to **38 mi**  
Hybrid Range: up to **420 mi**

### SEDAN



#### VOLVO • S90 PLUG-IN HYBRID

Starting MSRP: **\$65,650**  
Electric Range: up to **38 mi**  
Hybrid Range: up to **520 mi**

**Try our electric vehicle  
model finder tool.**

Try our electric vehicle finder tool and find models available in the Kansas City region. Get started at [pluginkc.org](https://pluginkc.org).



## PRE-OWNED ALL-ELECTRIC MODELS

### CROSSOVER



#### CHEVY • BOLT EUV

Years: 2022–2023

Cost: ~\$18,000–\$28,000

Electric Range: up to 259 mi

Tax Credit up to \$4,000

### SEDAN



#### TESLA • MODEL 3

Years: 2017–2023

Cost: ~\$22,000–\$59,000

Electric Range: up to 363 mi

Tax Credit up to \$4,000

### HATCHBACK



#### NISSAN • LEAF (2ND GEN)

Years: 2018–2023

Cost: ~\$10,000–\$22,000

Electric Range: up to 215 mi

Tax Credit up to \$4,000

### CROSSOVER



#### VOLKSWAGEN • ID.4

Years: 2021–2023

Cost: ~\$22,000–\$32,000

Electric Range: up to 275 mi

Tax Credit up to \$4,000



## BATTERY WARRANTIES

Automakers must warranty EV and hybrid batteries for *at least* **eight years** or **100,000 miles**.

**This warranty is required by federal law**, although rules of coverage may vary between automakers. Generally, they cover defects and excessive battery degradation. Most warranties guarantee that the battery retains a **minimum of 70% capacity** over the warranty period.

## TIPS FOR MAXIMIZING EV BATTERY LIFE

- Charge at home and avoid excessive level 3 fast charging.
- Maintain a mid-level charge between 20% and 80%.
- Minimize exposure to extreme temperatures.
- Regularly install system updates and get battery tests.



## ELECTRIC VEHICLE MAINTENANCE

With **fewer moving parts**, electric vehicles **cost less to maintain**.

Hate getting your oil changed? You'll love an all-electric vehicle! Yes, *you still have to rotate the tires and fill the windshield wiper fluid*. Plug-in hybrids still have the moving parts of an internal combustion engine, but you'll still benefit from less frequent maintenance.

- ⊘ No Oil Changes or Filters.
- ⊘ No Fuel Injectors or Spark Plugs.
- ⊘ No Exhaust System.
- ⊘ No Radiators or Engine Coolant.
- ⊙ Less Transmission Maintenance.
- ⊙ Less Brake Wear.

## PRE-OWNED ELECTRIC VEHICLE SHOPPING TIPS



**Check the health of the battery.**

The simplest way to check a battery's health is to fully charge an EV's battery and compare the estimated range readout to the original EPA estimate. Some vehicles also have a life capacity meter on the dashboard. You can also ask for a battery health report to check the remaining capacity.



**Understand your charging options.**

Not all EVs charge the same way. Check if the vehicle supports fast charging and whether it uses CCS, CHAdeMO, or Tesla connectors. Also, consider your home and local charging infrastructure to ensure compatibility. Lastly, some vehicles come with basic charging cords or adapters so check if those are present.



**Look up the history of the vehicle.**

Run a vehicle history report to check for accidents, salvage titles, or prior commercial use (such as rideshare services), which can indicate higher wear and tear. You should also be able to see if the battery has been replaced under warranty, as well as other maintenance records like tires and brakes.



# LEARN ABOUT ELECTRIC VEHICLE CHARGING

## LEVEL 1

### Standard 120-Volt Home Outlet

If you have a 120-volt outlet, you're ready to charge at home. Most EVs come standard with a level 1 charging cord. At about 5 miles of Range Per Hour, you'll get enough range for an average 40-mile commute overnight.

**5 mi/hr**



**CHARGE TIME**  
for 40 miles of range

## LEVEL 2

### 240-Volt Outlet & many Standard Public Chargers

240-Volt charging is your best choice for routine charging, adding about 25 miles of Range Per Hour (RPH). At home, this outlet is similar to one used for an appliance like a clothes dryer. Many public chargers operate on Level 2 charging.

**25 mi/hr**



**CHARGE TIME**  
for 40 miles of range

## LEVEL 3

### DC Fast Charging at Public Chargers

DC fast charging (also called "Level 3") can add range to your car faster, up to 160 miles of Range Per Hour (RPH). Mostly public stations, these are a great option for when you are short on time or traveling long distances.

**160 mi/hr**



**CHARGE TIME**  
for 40 miles of range

**Learn more charging an electric vehicle.**

Learn how to operate public chargers, and how to install charging at home. Discover more at [pluginkc.org](http://pluginkc.org).



# BUSTING MYTHS ABOUT ELECTRIC VEHICLES

~~**Electric vehicles don't have enough driving range for my needs.**~~

*Reality:* Most modern EVs offer **200–300 miles of range**, with some exceeding **400 miles** on a full charge. The average daily commute in the U.S. is **under 40 miles**, meaning most drivers can go several days between charges.

~~**Charging an electric vehicle is slow and inconvenient.**~~

*Reality:* Most people can fill their daily driving needs on an overnight charge. A home level 2 charger can recharge an average of 25 miles of range per hour. If needed, public fast chargers provide about 160 miles of range per hour.

~~**Electric cars have a bigger environmental impact than gas cars.**~~

*Reality:* While EV battery production has an environmental impact, EVs produce far fewer emissions over their lifetime than gas-powered cars. They also have zero tailpipe emissions and can run on more renewable energy sources.

## ABOUT PLUG-IN KC

Plug-In KC is an initiative by Climate Action Kansas City to scale up both the electric vehicle (EV) market, and the infrastructure needed to support a transformation in the Kansas City area to EVs in both the public and private sector.

