

Charge Ready NY 2.0

Electric Vehicle Toolkit



Right-sizing your electric vehicle purchase

One of the bonus incentive options under the NYSERDA Charge Ready NY 2.0 Program is to purchase electric vehicles (EVs) for your workplace or business, or to coordinate EV purchases by tenants of a multiunit dwelling. A minimum of two vehicles must be purchased for small locations, and four vehicles must be purchased for large locations. For this program, a location that installs between four and nine ports is a small location. A large location is designated by installing ten or more ports.

The following toolkit outlines steps to purchase electric vehicles (EVs).

Step 1: Research EV models

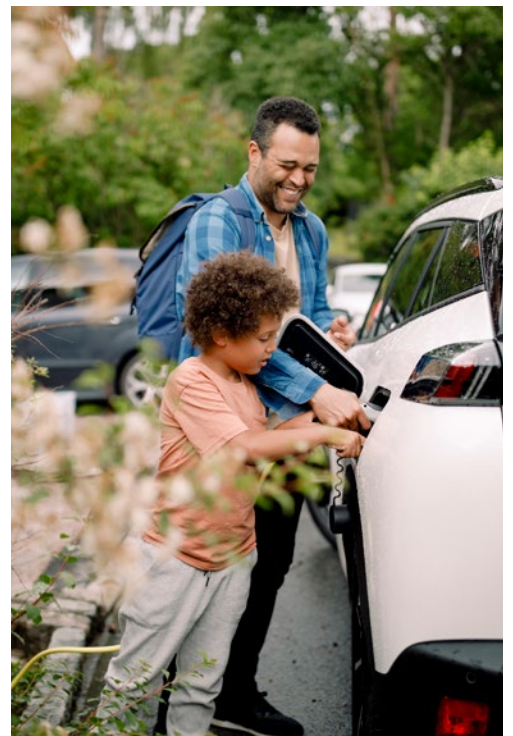
- If you aren't familiar with available EV models, this [website](#) hosts up-to-date information on vehicle models, manufacturer's suggested retail price, and ranges.
- The Electrification Coalition runs the [Dashboard for Rapid Vehicle Electrification \(DRVE\)](#). The tool allows you to evaluate your total cost of ownership for current vehicles against potential internal combustion engine (ICE) vehicles and EVs. If your organization intends for these new vehicle purchases to replace old vehicles, we recommend using this tool so that you can incorporate the total cost of ownership into your purchase decisions. When downloading the tool, you will receive a user guide to understand how to use it.

Step 2: Consider range needs

- The range refers to the number of miles an EV will get on a charge, like how many miles you can drive before filling up the gas tank in an ICE vehicle. Ranges vary by model, with many around 200–250 miles. Some EVs go up to nearly 500 miles on one charge. When selecting a model, it is important to understand your average daily mileage needs.

Step 3: Determine the price point

- Many EVs have a higher upfront sticker price than ICE vehicles, but it is essential to remember that EVs have reduced fuel and maintenance costs. Furthermore, local, state, and federal incentives and tax credits may help compensate for upfront cost differences. For example, NYSERDA offers up to [\\$2,000 rebates](#) for qualified EV purchases. There is also a federal tax credit, 45W, of up to [\\$7,500 for specified EVs](#).



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Step 4: Test drive an EV

- An EV's driving experience differs from that of an ICE vehicle. EVs are much quieter and offer a smoother ride. Many EVs also have a quicker acceleration than ICE vehicles. Another key difference that takes some getting used to is regenerative braking — a mechanism EVs use to recover power and increase range when decelerating. Many EVs use this mechanism to benefit range. Test driving can help give you a sense of these differences.

Step 5: Familiarize yourself with EV-friendly dealers in the area

- As you may be aware, vehicle procurement has had its challenges recently due to supply chain issues. We recommend seeking out dealerships that have experience with EVs. NYSERDA maintains a [list of EV-friendly dealerships](#) across the State.

Step 6: Purchase and report

- Once you have decided on a vehicle, locate a dealership, and complete the purchase. After receiving your vehicle and putting it into service, update the Electrification Coalition team by completing the reporting form.

Ready to get started?

For more information, please contact the Electrification Coalition Charge Ready NY 2.0 Team at chargereadyny@electrificationcoalition.org.