

How to charge your business's electric vehicle



Ready to save on fuel and avoid the uncertainty of gas prices? Switching to an electric vehicle (EV) can help your business cut fuel costs and eliminate the financial unpredictability of gas prices.

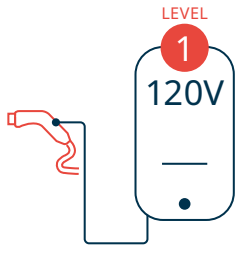
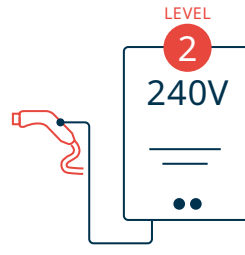
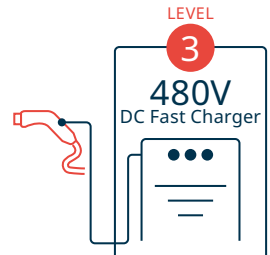
For example, choosing the electric Ford F-150 could save you hundreds on your monthly gas bill. In fact, the price of gasoline would need to drop to 40 cents a litre to match the cost of EV charging.

To help you take advantage of these savings, we've addressed common questions you might have about accessing charging infrastructure and what to expect.

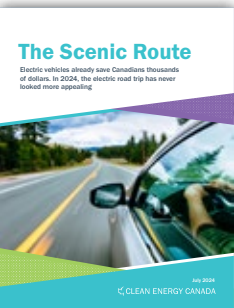
How long does it take to charge?

With the range of the average new EV now upwards of 400 km, you can often make those longer trips without needing a charge. Charging times can vary depending on the vehicle and charger type.

This table describes the three types of chargers, where you'll typically find them and how long it usually takes to get a full charge with each.

LEVEL 1	LEVEL 2	LEVEL 3
		
Charging time 8-50+ hours	Charging time 4-10 hours	Charging time 20-30 minutes
Common locations Overnight at home or work	Common locations Public parking, shopping centres, parks, some homes and workplaces	Common locations Highway rest stops, public parking, shopping centres

For more information, Clean Energy Canada's *The Scenic Route* report compares the costs of electric and gas vehicles.



Note: Estimated charging times are based on charging from empty to 80%. Much like with your cell phone, topping up a few kilometres of range will take less time. Charging times may vary for larger, heavier EVs like cargo vans or box trucks. With a high-power Level 3 charger, a cargo van or step van can charge fully in under an hour, but long-haul trucks may require more time.



How and where can I access EV charging?

The network of EV charging stations is expanding across Canadian cities. Calgary features around 90 chargers in its downtown core, while Edmonton and its surrounding areas, including Sherwood and St. Albert, offer a total of 131 public chargers.

You can locate charging stations across Canada using the [Government of Canada's EV charging map](#). The tool also helps you plan trips by identifying stations along your journey. Additionally, apps like A Better Routeplanner, EV Navigation, PlugShare and ChargePoint provide convenient ways to find nearby charging stations.

To use a public EV charger, you may need to sign up for an account, like how you would for a parking app. Once registered, simply open your vehicle's charging port and plug in. For a step-by-step guide, [check out this video from BC Hydro on how to use an EV charging station](#).

How much does charging cost?

EV charging at some public stations may be free! But on average, using a Level 2 public charger costs about \$1–2 per hour, while Level 3 public chargers typically charge \$15–20 per hour.

Charging at home or at a business can be more cost friendly, especially if you charge overnight when electricity demand is lowest. For example, an EV owner in Alberta could fully charge their Chevrolet Bolt EV at home for around \$7, depending on utility provider rates.

How can I install my own charger at home or at my business?

Government programs offer funding to help cover the cost of purchasing and installing a charger. For a summary of Canadian incentives, visit [ChargeLab](#).



Learn more about transitioning to a zero-emission vehicle

- [How you can afford an electric vehicle for your business](#)
- [How an electric vehicle can meet your business needs](#)
- [Decarbonizing medium- and heavy-duty vehicles: Fact sheet series](#)

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