

Electrical Safety Authority EV Key Messages

- **As the adoption of electric vehicles (EVs) trends upward in Ontario, so do the hazards associated with improper charging practices.**
 - Unsafe charger installations can have serious consequences for the car, an individual's home, or family.
 - According to a recent ESA survey, almost half of Ontarians are considering purchasing an EV, and a majority are concerned that improper installation could lead to an electrical fire.
- **Purchase a Canadian-certified charger:** An EV charging system must carry an official Canadian certification mark or label of a recognized agency.
- **Hire a Licensed Electrical Contractor:** Unlicensed or unpermitted work is simply not worth the risk.
 - Electrical fires or other damage to your new EV is too steep a price to pay.
 - If you're hiring someone to do electrical work in your home, by law in Ontario, it must be a Licensed Electrical Contractor with an ESA licence*. This proves they can operate their electrical contracting business in Ontario.
 - Look for their licence number on their truck, business card, and estimate. You can verify it on ESA's Find a Contractor tool at [ESAsafe.com/EV](https://www.esasafe.com/EV).
- **Make sure to get an electrical permit with the ESA.**
 - Whoever installs the charger must file a permit with ESA before starting the installation.
 - Ask for a copy of the ESA Certificate of Acceptance for your records.
 - It's a great document for insurance and resale value – having a permitted EV-ready home can actually contribute to the appreciation of your home's value.
- **Contact your local utility: Electric vehicles can use a lot of power. It's important to make sure that your electrical panel can handle the extra load.**
 - If your home requires an electrical panel upgrade, you will need to contact your local utility.
 - A Licensed Electrical Contractor can assist you in assessing and upgrading your panel.

www.esasafe.com/EV