CHECKLIST

Electric Vehicle Charging Station (EVCS)

Installation for Multi-Residential Buildings

2023

CHECKLIST: ELECTRIC VEHICLE CHARGING STATION (EVCS) INSTALLATION FOR MULTI-RESIDENTIAL BUILDINGS

1. Make a Plan

These questions will help you determine the equipment needed, cost and feasibility of the installation process.

- How do EVCS fit within the existing building electrical infrastructure?
- Can your current electrical system support your future EVCS needs?
- Have you called the utility to determine your load capacity? They should be involved in your planning.
- Are there other electrical issues that need to be addressed prior to installing ECVS?
- Will the EVCS equipment be installed in a communal area or will it be in reserved parking?
- Will the EVCS be indoors or outdoors?
- How many residents drive electric cars? Are more expected?
- Who will cover the cost of energy consumed?
- What are the overall expectations of residents?

2. Work with your Board

For building managers and condo boards planning to install an EVCS or that are reviewing a request from a resident to install one, the Condominium Authority of Ontario (CAO) has a step-by-step guide to navigate the process. **Click here to access the guide.**

3. Hire the right people for the job

Electrical work is dangerous and can put property and residents at risk. In Ontario, only a Licensed Electrical Contractor can be hired to do electrical work in your property. Licensed Electrical Contractors are bonded and insured, providing you with peace of mind.

Find a Licensed Electrical Contractor with **ESA's Contractor Lookup Tool** and ask them to take out the appropriate permit with ESA. This ensures that the work is reviewed and approved by an ESA inspector, and you'll receive a Certificate of Acceptance for insurance purposes.

Only Licensed Electrical Contractors can provide you with an ECRA/ESA license number that proves they can operate their electrical contracting business in Ontario. This license number should appear on their vehicles, business cards and estimates. Ask to see it. If you are working with a vendor, here are a few questions to ensure the work being done is safe:

- Are they hiring subcontractors to complete the installation?
- Is the installation being done by a Licensed Electrical Contractor with an ESA permit?
- Does the equipment purchased carry the official mark or label of a recognized certification or evaluation agency?

4. Develop a Regular Electrical Maintenance and Repair Plan

As your property ages, regular electrical maintenance and repair are essential to keep up with ongoing electrical demands. This ensures that everything is working as safely and efficiently as residents expect. If your building was built more than 10 years ago, consider the systems in place and the implications for EVCS. These should be addressed before undertaking an installation of this nature.

Learn more about creating a regular maintenance and repair plan at www.esasafe.com/aging.