

DO YOU NEED ELECTRIC VEHICLE CHARGING STATIONS IN YOUR BUILDING?

BCIT ELECTRIC VEHICLE CHARGING STATION DEMONSTRATION PROJECT

The BCIT Smart Microgrid Applied Research Team is involved in a research project to investigate efficient ways to retrofit existing Multi-Unit Residential Buildings [MURBs] in the Greater Vancouver area with electric vehicle charging stations.

The goal of the project is to provide demonstration sites for stratas that show how to develop a scalable plan for installing EV chargers in existing MURBs.

For the selected MURBs, BCIT and their electrical engineers will:

- review the building's electrical capacity for adding EV chargers.
- develop the best plan for the building to install EV chargers, with the goal of installing chargers for parking stalls, and provide the plan to the Strata Council.
- using the engineered plan, purchase and install the first 6 EV chargers.

BCIT will use level 2 EV chargers in this project which will be load-shared, or load-managed, 'smart charging' units, and are particularly relevant for MURBs and dense urban area parking lots, most of which were designed and built before EV charging was a consideration.

- Costs of engineering study and design plan for building will be covered by this project.
- Purchase and installation costs of 6 EV chargers will be covered by this project.

We are looking for buildings that will meet our project requirements. **Act quickly as space is limited.** Interested Strata Councils please email: smartgrid@bcit.ca. Applications must be submitted by a member of the building strata council.

BCIT Smart Microgrid Applied Research Team [SMART].
Building a Cleaner Future Together

BC Premier John Horgan promised that all new cars and trucks sold in B.C. in the year 2040 will have to be zero-emission vehicles. The proposed legislation would require 10 per cent of all new light-duty vehicles sold by 2025 to produce zero emissions. That percentage would jump to 30 per cent by 2030 and then 100 per cent by 2040.