

ATTENTION: STRATA COUNCILS REQUEST FOR EXPRESSION OF INTEREST

The BCIT logo consists of the letters "BCIT" in a white, bold, sans-serif font, centered within a dark blue square. A small "TM" trademark symbol is located at the top right corner of the square.

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.

Expression of Interest Process and Approval Process

1. Interested Stratas submits an "Expression of Interest Form" to BCIT.
2. BCIT SMART team reviews submissions and identifies potentially suitable stratas.
3. BCIT and engineers will visit Strata and conducts a preliminary feasibility study.
4. BCIT advises Strata Council of their suitability for the project.
5. Strata Council receives approval from residents to move forward.
6. BCIT and engineers develop design for EV charging system appropriate for the building.
7. BCIT and electricians will install, test and ensure functionality.

Costs, Ownership and Logistic Details:

- Cost of hardware and installation covered by BCIT.
- Cost of electricity for EV charging covered by resident EV drivers.
- BCIT will work with strata to ensure they have appropriate metering and billing in place to track electricity costs.
- BCIT project funding is conditional on equipment remaining in place for our reporting purposes until 2027.

We are looking for buildings that will meet our project requirements. Applications must be submitted by a member of the building strata council.

BCIT Smart Microgrid Applied Research Team (SMART)

Building a Cleaner Future Together

ELECTRIC VEHICLE CHARGING STATION DEMONSTRATION PROJECT

EXPRESSION OF INTEREST FORM



Instructions: 1) Save this PDF to your desktop, 2) Open with Adobe Reader or Adobe Acrobat, 3) Click on fill and sign, 4) Complete all required fields, 5) Save, 6) Close PDF then re-open to ensure the content you filled in has saved, 7) Email form to: smartgrid@bcit.ca.

Our strata council would like to submit a request to participate in the Electric Vehicle Charging Station Demonstration Project for MURBS offered by the British Columbia Institute of Technology Smart Microgrid Applied Research Team (SMART)

Please complete the following fillable form:

Legal Name of the Strata	Date
Street Address of the Strata	
Applicant Name	
Applicant Telephone Number	
Applicant Email Address	
What is your position on the Council?	
This project will require the strata owners approval. What is the date of your next AGM or special meeting?	
How many suites are in your Strata?	
How many current EV car owners reside in your Strata?	
How many residents are considering purchasing or leasing an electric vehicle in the near future?	

Email to: smartgrid@bcit.ca