



# **CleanBC - EV Charger Rebate Program Overview**

Prepared by

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Project Manager



## I. Introduction

BC's EV (Electric vehicle) charger rebate program is a partnership with the Government of B.C., BC Hydro, and FortisBC that offer provincial rebates for the purchase and installation of EV chargers and infrastructure to get homes and workplaces across B.C. ready for EVs.

Key highlights of the program\*: (\*Source: <https://electricvehicles.bchydro.com/incentives/charger-rebates> )

1. Single family homes – can get a rebate of up to 50% of the purchase and installation costs of an eligible Level 2 EV charger, to a maximum of \$350.00. This includes duplexes or townhouses with private garages or dedicated parking.
2. Apartment and condo buildings – there are two provincial rebate options to help apartment and condo buildings get ready to support EVs:
  - a. EV Ready rebates. – you can apply for these rebates together to streamline the EV-related upgrades to your building, or you can apply one at a time as your project progresses.
    - i. EV Ready plan rebate: A rebate of up to \$3,000 for the creation of an EV Ready plan – a professional strategy for your building to make at least one parking space per residential unit EV ready.
    - ii. EV Ready infrastructure rebate: A rebate of up to \$600 per parking space to install the electrical infrastructure required to implement your EV Ready plan, to a maximum of \$80,000.
    - iii. EV Charger rebate: A rebate of up to \$1,400 per charger to purchase and install level 2 networked EV chargers to implement your building's EV Ready plan, to a maximum of \$14,000.
  - b. Standalone EV charger rebate -A rebate of up to \$2,000 per charger to purchase and install Level 2 networked EV chargers at our building's residential parking spaces, to a maximum of \$14,000.

Pre-approval from BC Hydro required for EV Ready infrastructure and EV charger rebates.
3. Workplaces – can get a rebate of up to \$2,000 per charger to purchase and install Level 2 networked EV chargers for employee use, to a maximum of \$14,000. Pre-approval from BC Hydro is required prior to purchasing and/or installing chargers

This is program is now open and applications are accepted as of April 21, 2021.

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## II. Education

Our goal is to support you throughout the process.

We can provide information session and/or provide advice for you to understand the steps and processes of getting electric vehicle charging in your building through the following value-added services:

- Provide general information regarding EV trend and/or industry challenges
- Benefits of using EVs and acquiring chargers
- Types of EV chargers
- Charging incentives
- Guidelines in installing EV charging in your building
- Information for MURBs and/or Strata council: challenges, risks, etc.

We can set up an online meeting to explain the CleanBC and explain the trend, opportunities, products, challenges, and practical tips regarding the EV charges in order for you and/or your strata council to have an overview regarding the program.

## III. EV Ready Plan Description and scope

An EV Ready Plan is a professional document prepared by a licensed electrical contractor and/or electrical engineer that includes details about how your building will provide each residential unit with at least one EV ready parking space.

### Extent/Scope of Work

- Conduct interviews to understand the current situation, challenges, limitations, and objectives from different stakeholders to come up with a plan that is suited to the client's needs.
  - Conduct site analysis through on-site inspection to understand existing electrical equipment/infrastructure and current parkade condition.
  - Review current electrical and parkade infrastructure
    - Analyze single line electrical diagram to assess current electrical loading and/or distribution systems
    - Verify existing electrical equipment locations and/or conditions
    - Parkade drawings and/or stall plan
    - Assess physical locations between existing electrical room with regards to parkade/stalls locations.
  - Review the current electrical demand/loading performance data from BC Hydro and/or any third-party meter data.
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- Historical usage data from the main building distribution.
- Common area distribution
- Conduct studies involving electrical capacity computations for the main and/or house distribution system with respect to the planned EVSE infrastructure
- Work with Strata and/or all stakeholders in providing the plan towards the selection installation, and maintenance of EV charges in their community.
- Assist the Strata in generating a questionnaire to be given to property owners with regards to appropriate charging and policy requirements for the community.
- Assist and guide the client to meet the requirements towards the application of appropriate rebates as per program guidelines.
- Provide an EV Plan report which includes:
  - Overview of the existing electrical capacity and the proposed EVSE infrastructure
  - Electrical capacity assessment and loading computation
  - Provide plan details based on the proposed EVSE infrastructure
  - Estimated EV ready infrastructure budget
- Advice and/or consulting as per scope of work coverage.

We will need to conduct site visits, data and technical analysis, and documentations (electrical plan, BC Hydro demand data, etc.) to assess your need.

We are a certified BC Hydro Power Smart Alliance Member and we are committed to support you in meeting the requirements under the BC government's EV program to receive the 2021 grant.

Note: Every reasonable effort has been made to ensure accuracy of the content and correctness contained herein; however, in an event of any such conflict caused by revisions in the implementing guidelines/policy regarding the rebate, the client is requested to contact the authorized agency directly for any inquiry regarding its rebate program.

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## IV. Who are we?

Sigma Technical Services is committed to provide solutions with reliable and quality service.

Ed Nicolas, P.Eng. is the Project Manager and business owner.

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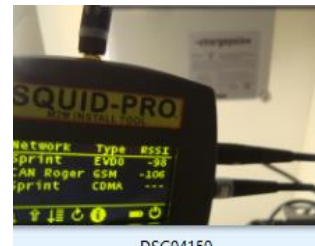
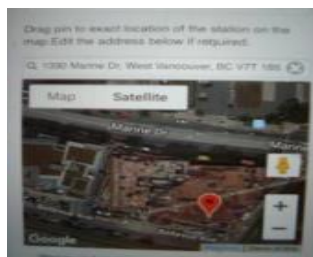
Web: [www.sigmatechservices.com](http://www.sigmatechservices.com)

## Qualifications and Experience:

- Registered Professional Electrical Engineer - APEGBC
- Licensed Electrical contractor - Technical Safety BC
- Registered Field Safety Representative (FSR) Class B - Technical Safety BC
- Alliance of Energy Professionals Member - BC Hydro
- BBB Rating (not accredited) - A+
- WCB and General Liability Insurance - Insured
- Greater Vancouver Municipal business license - Inter municipal licence
- Authorized Electrical contractor/Installer - ChargePoint Inc.
  
- Project Manager and Owner - Sigma Technical Services
- General Manager - Foreseason Technologies - EMS
- 25+ years in the Electrical/Electronics/Semiconductor industry involving Process, Product, Quality Engineering, Operations and Project Management

## V. EV Projects Installation

- Grosvenor Ambleside Phase 2, 1327 Bellevue Ave, West Vancouver, BC  
Scope: Installation of Level 2 EV chargers and gateways
  - 20 CPF50 residential chargers
  - 4 CT4000 commercial chargers



- Various residential Commercial and Home Charger installation