



# CleanBC Go Electric Public Charger Program

Webinar - August 2023

Application Submission Deadline:  
**8<sup>th</sup> September 2023 at 11:59 PM PDT**

FRASER BASIN COUNCIL

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# Introduction



Focus of the program is to fill geographic gaps or that are located in rural, northern, and Indigenous communities.

## Program Administrators



## Program Design and Rebate Decision



Ministry of  
Energy, Mines and  
Low Carbon Innovation

- New program guide available to download from program website, dated July 2023.

# Introduction

- Incentivises Level 3 DCFC (Direct Current Fast Chargers) and Level 2 stations for use by general public.
- Important installation site and equipment requirement under this program – **Publicly accessible 24 hours per day, 365 days per year**
- Applicants must apply and be approved for Program rebates before any costs are incurred.

# Introduction

## Applicant Eligibility

- Be a business, not-for-profit, local government, Indigenous community, utility or public sector organization located and operating in B.C. (*excluding* core government entities, i.e. Provincial Ministries, but *including* non-core entities, e.g. utilities, health authorities, school districts, universities, crown corporations, etc.).
- Be the current site owner or have approval (in writing) from the site owner to install the charging infrastructure for a minimum ten-year period; and,
- Please refer to the program guide for comprehensive information on program eligibility criteria.

# Revised Program Requirements

## ➤ 2.3 Equipment Requirements

- If payment is required, the charging station must meet the following criteria:
  - Provide a contactless payment method on-site that accepts major credit and debit cards;
  - Provide one additional payment method that allows customers to initiate a charging session and submit payment (e.g., QR code that directs to an online payment portal, payment through membership or app, or toll-free phone number); and
  - Payment methods must be accessible to persons with disabilities and not affect the power flow to vehicles.

# Revised Program Requirements

## ➤ 2.3 Equipment Requirements

- **Level 3 equipment requirement**

- Have 25% or more of the connector types installed at the same project site be Combined Charging System (CCS) Combo plug connectors. Other connector types, such as the North American Charging Standard (NACS), may represent up to 75% of all charging connectors installed per site;
- Have a minimum of one CHAdeMO plug connector per site only if the charging site is located more than 50km driving distance from the nearest public CHAdeMO DCFC. The distance to the nearest DCFC with a CHAdeMO plug will be determined using <https://PlugShare.com>.

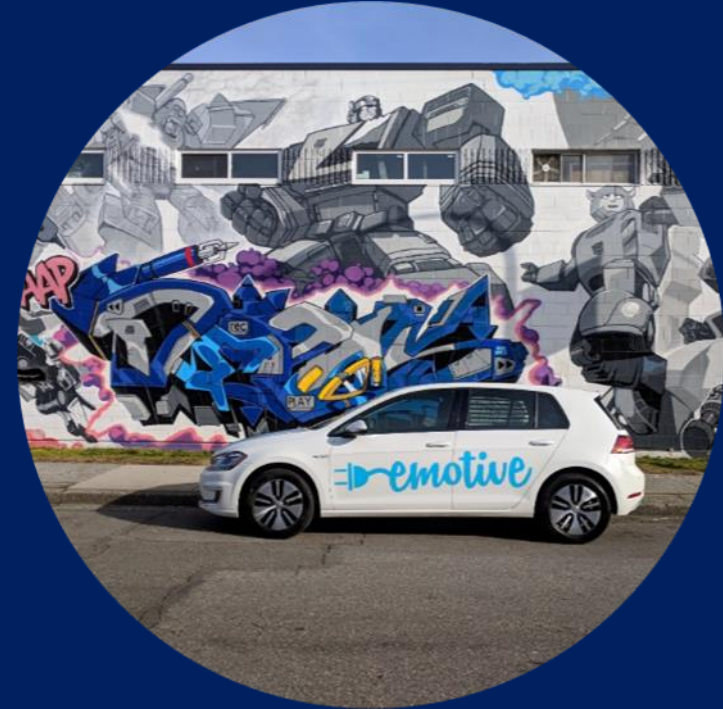
# Rebate Amounts

Charger Output	Maximum Rebate Amount	Maximum Rebate Amount for Indigenous Communities
DCFC: $\geq 20$ kW, but $< 50$ kW	\$20,000; up to 50% of project costs	\$50,000; up to 90% of project costs
DCFC: $\geq 50$ kW, but $< 100$ kW	\$50,000; up to 50% of project costs	\$100,000; up to 90% of project costs
DCFC: $\geq 100$ kW	\$80,000; up to 50% of project costs	\$130,000; up to 90% of project costs
Level 2: $\geq 32$ amps	\$5,000; up to 50% of costs	\$7,500; up to 90% of costs



## Factors affecting rebate amounts

- Output of the stations
- Capability of an EV charger to charge vehicles simultaneously.
- Tandem installations – two or more chargers on site



## Rebate Amounts (contd.)

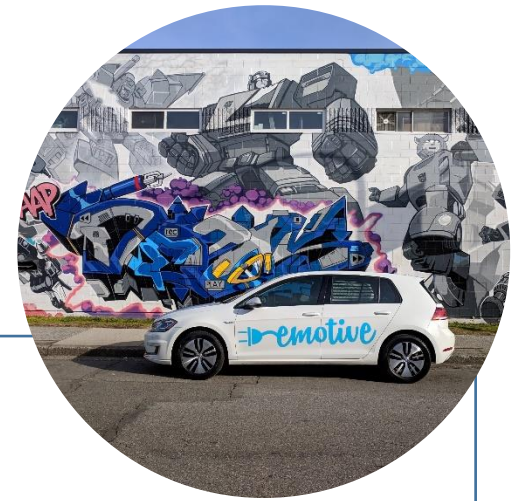
- Locations is greater than 500m from the nearest public charger (Level 2 or DCFC) required to install at least two ports per site: either tandem DCFC stations, a DCFC and Level 2, to provide redundancy to the site.
- A multi-port station on its own does not fulfill this requirement
- For tandem DCFC stations a 75% funding limit (for non-indigenous) will apply while the combined dollar cap will remain the same.

## Level 2 Only Locations

### Important location criteria:

- No public Level 2 stations (without co-located DCFCs) are eligible in Metro Vancouver or the Capital Regional District
- There must be one or fewer public Level 2 or DCFC within 10 km of the location;
- Priority district list could be found in the program guide under section 3.2.1.

# Scoring Preferences



- Fill existing DCFC network gaps and/or underserved locations, density
- Are co-located with primary amenities (lighting, washrooms, WiFi);
- Are co-located with one or more additional DCFCs;
- Are located near secondary amenities, such as restaurants, shopping, parks, libraries, community centres, etc.;
- Include stations  $\geq 75$  kW when located on primary and secondary highways, where feasible;

## Scoring Preferences (cont.)

- Include stations able to deliver  $\geq 120$  A of electricity, if proposing DCFCs with output  $\geq 50$  kW but  $< 100$  kW;
- Include Level 2 stations with a higher output than 32 A, if Level 2 stations are proposed;
- Utilize pull-through charger site design;
- Include capability to add of future DCFCs (e.g. space on site, oversized conduit, etc.)
- Agree to provide data on charger usage;
- Include site design drawings;
- Include an operating and maintenance plan as part of the original application;

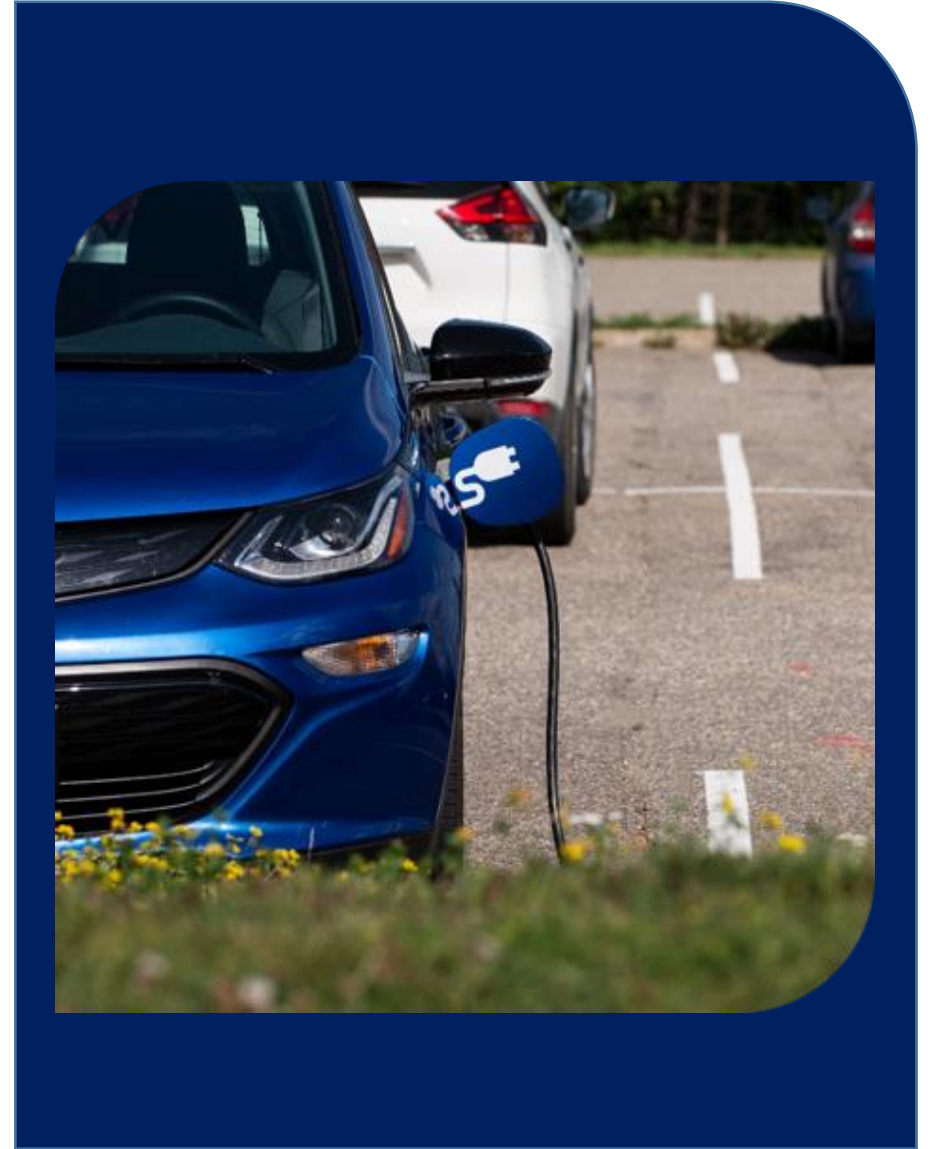
## Site Design

- Specific Location – include GPS if possible
- Position of Charging Equipment
- Show amenities
- Ensure accessibility considerations for 24/7/365 access
- Refer to the [EV Fast Charging Design and Operational Guidelines for Public DCFC stations by BC Hydro](#). Available on the program website.



## O&M Calculator/Financial Plan

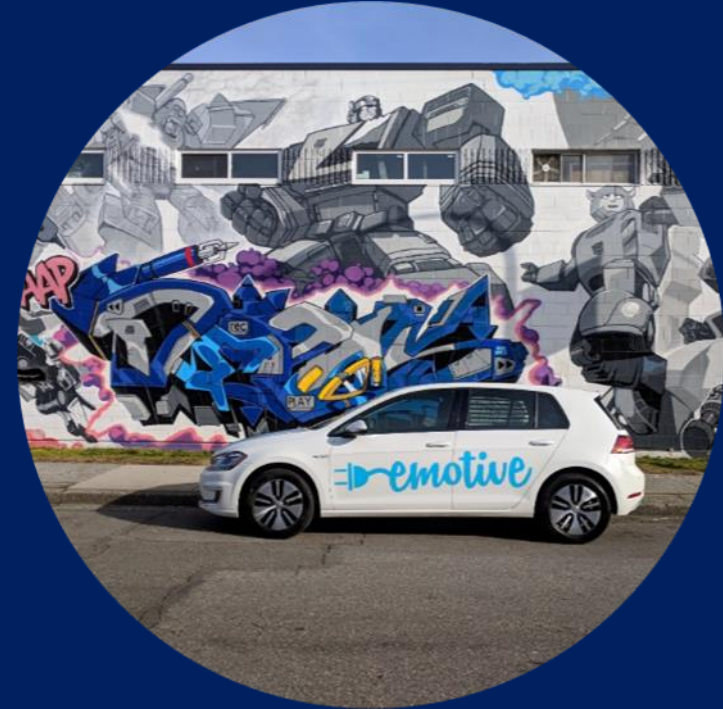
- Important to know costs associated with hosting station(s) beyond installation
- Awareness of demand charges and connection charges with BC Hydro or Fortis BC
- Replacement parts and downtime considerations





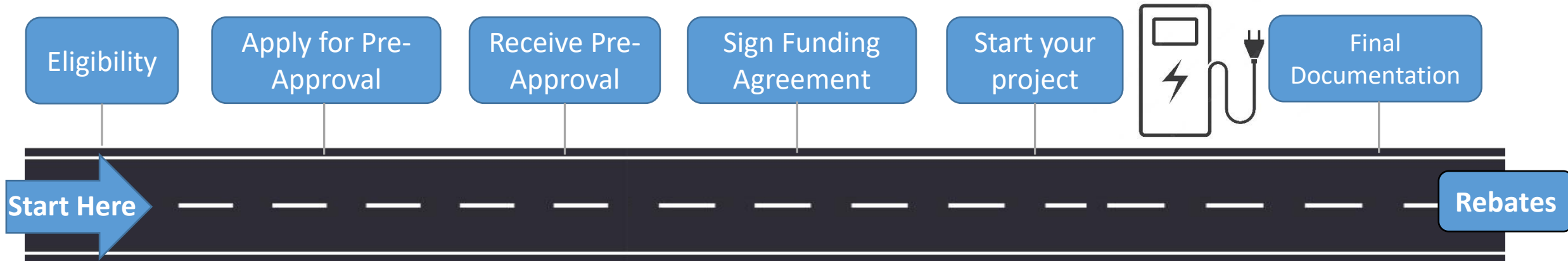
# Project Cost Estimates/ Quotation Requirement

- Be specific on procurement of equipment costs
- Include itemized installation quote from electrical contractor/company/municipal works
- Used to calculate pre-approved rebate amount





# Application Process



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# List of Documents for Pre-Approval

1. Name of organization (with legal documentation) and main contact;
  2. Address and features of proposed installation site;
  3. Written permission to use the site (if the organization is not the owner);
  4. Proposed number, output and, model of chargers;
  5. Budget Quotation
  6. Operations and Maintenance Plan (Required) –template available on [program website](#).
  7. Financial Plan/O and M Calculator
- OPTIONAL: Site Design (recommended), EV charger specification sheet(s), back-up location address.

# Pre-Approval Application

- One application per project site. Submit a separate application for each site you are applying for.
- Rebates may be capped at 10 per organization to reserve funds for other organizations.
- The Province reserves the right to limit the number of chargers funded per project.
- **Rebate covers capital costs only** (refer section 2.4 of program guide). Applicant will be responsible for ongoing operation and maintenance costs associated with the chargers.



# Q & A Session

Contact information for follow-up questions and comments to:

[publiccharger@pluginbc.ca](mailto:publiccharger@pluginbc.ca)

Website resource:

<https://pluginbc.ca/publiccharger/>