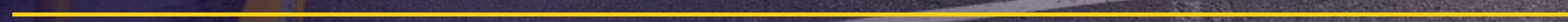


CleanBC Go Electric Public Charger Program

Webinar - April 2024



Fraser Basin Council



Land Acknowledgement

I work on the unceded, ancestral territories of the x^wməθk^wəj[?]əm (Musqueam), Skwxwú7mesh (Squamish) and sə'ílwətaʔt (Tsleil Waututh) Nations.

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Introduction



This program is focused on filling geographic gaps or chargers installed in rural, northern, Indigenous communities and high-density areas.

New program guide available to download from program website, dated April 2024.

Program Administrators



Program Design and Rebate Decision



Ministry of
Energy, Mines and
Low Carbon Innovation

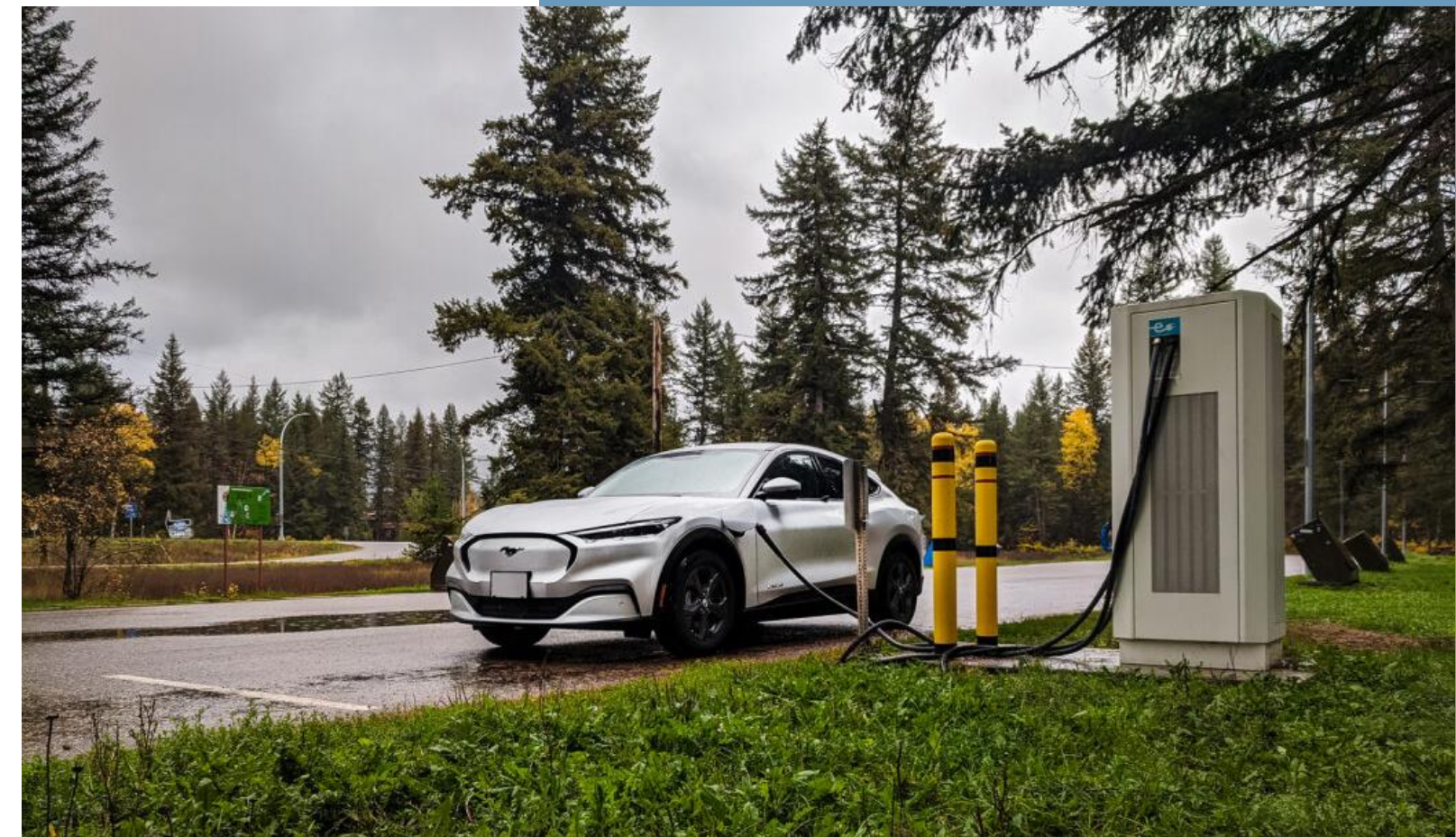
Eligibility Requirements

- Incentivises Level 3 DCFC (Direct Current Fast Chargers) and Level 2 stations for use by the general public.
- Important installation site and equipment requirement under this program – Publicly accessible 24 hours per day, 365 days per year



Eligibility Requirements

- Applicants must apply and be approved for Program rebates before any costs are incurred.



Applicant Eligibility

- 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.).
- Current site owner or have approval (in writing) from the site owner to install the charging infrastructure for a minimum ten-year period;

Please refer to the program guide for comprehensive information on the eligibility criteria.

Revised Program Requirements

3.2.1 Level 2 Only Stations

Campgrounds and RV sites may be considered for Level 2 only projects, providing the criteria mentioned under section 3.2.1 is met. Campgrounds or RV sites that are not publicly accessible overnight or accessible 24/7/365 will be considered on a case-by-case basis.

Revised Program Requirements

3.5 Pilot Project

**Pilot project rebate amounts are not solely based on power output; each project will be assessed on an individual basis. However, a minimum output of 20 kW is required to access DCFC rebate amounts. The DCFC funding tiers in Section 3.1 will generally apply unless the project can demonstrate the potential for significant technological advancement or public benefit in B.C.

Additional Eligible Cost for Pilot Project

For stations along highway 37 and 97 designated for the Electric Highway initiative, operations and maintenance costs up to a maximum of 3 years;

Rebate Amounts

Charger Output	Maximum Rebate Amount	Maximum Rebate Amount for Indigenous Communities
DCFC: ≥ 20 kW, but < 50 kW	\$20,000; up to 50% of project costs	\$50,000; up to 90% of project costs
DCFC: ≥ 50 kW, but < 100 kW	\$50,000; up to 50% of project costs	\$100,000; up to 90% of project costs
DCFC: ≥ 100 kW	\$80,000; up to 50% of project costs	\$130,000; up to 90% of project costs
Level 2: ≥ 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 (cont'd)

- 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
- 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.;

Scoring Preferences (cont'd)

- Include stations ≥ 75 kW when located on primary and secondary highways, where feasible;
- Include stations able to deliver ≥ 120 A of electricity, if proposing DCFCs with output ≥ 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;
- Enable curbside EV charging;

Scoring Preferences (cont'd)

- Include capability to add 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 updated [EV Fast Charging Design and Operational Guidelines for Public DCFC stations by BC Hydro](#). Available on the program website.





O&M Calculator/Financial Plan

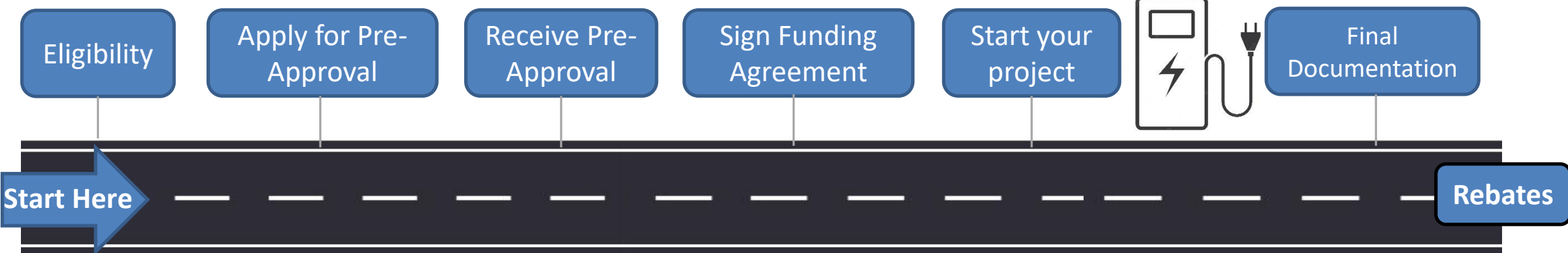
- Important to know costs associated with hosting station(s) beyond installation
- Awareness of demand charges and connection charges with BC Hydro or Fortis BC
- Replacement parts and downtime considerations

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



Application Submission Deadline:
17 May 2024 at 11:59 PM PDT

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.

Links to Program Resources

- Program website (FAQs, Program Guide and Program Updates) - <https://pluginbc.ca/publiccharger/>
- EV Fast Charging Design & Operational Guidelines for Public Fast Charging Stations In British Columbia (Updated 2024) - <https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/power-smart/electric-vehicles/ev-fast-charging-design-operational-guidelines-2024-feb.pdf>
- British Columbia Public Light-Duty Zero-Emission Vehicle Infrastructure Study - https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/electricity-alternative-energy/transportation/bc_public_ld_zev_infrastructure_study_final_20210505.pdf
- O and M Plan template - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpluginbc.ca%2Fwp%2Fwp-content%2Fuploads%2F2022%2F04%2FOM_Template_GoElectricBC_Public_Charger_March_2022.docx&wdOrigin=BROWSELINK
- O and M Calculator template (Updated 2024) - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpluginbc.ca%2Fwp%2Fwp-content%2Fuploads%2F2024%2F02%2FO-and-M-Plan-Costing-Calculator_CBCGE_PCP_2024.xlsx&wdOrigin=BROWSELINK
- Link to application portal - https://pluginbc.smapply.ca/prog/cleanbc_gepcp/



THANK YOU

Contact information for follow-up questions and comments to:
publiccharger@pluginbc.ca

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