

### APPLICANT TEMPLATE FOR OFF-ROAD VEHICLES

#### **Step 1. Determine if you are eligible.**

Review the proponent, vehicle and supporting infrastructure [Eligibility Requirements](#) and the [CVP Program Guide](#) to see if your project is eligible.

#### **Step 2. Set up an introductory call.**

Email [admin@cvpbc.ca](mailto:admin@cvpbc.ca) to set up an introductory call if needed.

#### **Step 3. Download and complete the applicant template.**

Download and complete the applicant template that pertains to the vehicle type for which you are applying from [www.cvpbc.ca/apply](http://www.cvpbc.ca/apply). If your organization is requesting funding for both on-road and off-road vehicles, please complete and submit two separate applications. Please contact [admin@cvpbc.ca](mailto:admin@cvpbc.ca) if you have any questions.

#### **Step 4. Download and complete the budget template.**

Complete the budget template provided in Excel format by providing details on the vehicle(s), supporting infrastructure and vehicle telematics support (if applicable) that is required for the zero-emission vehicle (ZEV) deployment.

#### **Step 5. Submit the application with supporting documents.**

Please upload the completed documents and requested supporting materials to [www.cvpbc.ca/apply](http://www.cvpbc.ca/apply). Applications will be accepted until funds are fully subscribed. All applications to the Commercial Vehicle Pilots Program are subject to the availability of Program funds.

If an initial review indicates your proposed project is not eligible, you may be contacted and asked to re-submit your application.

# CleanBC Go Electric Commercial Vehicle Pilots Program

## OFF-ROAD VEHICLE APPLICATION SUMMARY

### Primary Applicant Information

<b>Legal Name of Organization:</b>	
<b>Mailing Address:</b>	
<b>Type of Organization:</b>	
<b>Industry/Sector:</b>	
<b>If other, please specify:</b>	
<b>Is your organization based in B.C. or does it have a B.C.-based location or affiliate?</b>	Yes <span style="float: right;">No</span>
<b>Contact Name and Title:</b>	
<b>Phone Number:</b>	
<b>E-mail:</b>	

### Project Information

<b>Are you purchasing or leasing eligible vehicles and/or supporting infrastructure?</b>	Eligible vehicles only	Eligible vehicles and infrastructure	Infrastructure only	
<b>Number of off-road ZEVs to be deployed by type</b>	Air	Marine	Rail	Other
<b>Total number of charging or fuelling stations</b>				
<b>Will the ZEVs be purchased or leased in Canada?</b>	Yes	No		
<b>Total Project Budget: CAD \$</b> (this amount should match the total from the budget template)				
<b>Total Amount of Program Funds Requested: CAD \$</b> (this amount should match the total from the budget template)				

## CleanBC Go Electric Commercial Vehicle Pilots Program

### Attachments

(please indicate which of the following are attached)

Project Budget

Supplier Quotes

Business License

Other:

### Acknowledgement by Applicant

The undersigned hereby acknowledges and warrants that all factual matters contained in the application are true and accurate, and that all estimates, forecasts and other related matters involving judgment were prepared in good faith and to the best of the Applicant's ability, skill and judgment.

The Applicant acknowledges and agrees that by its submission of this Application it shall be bound by the terms and conditions of the funding call and the Commercial Vehicle Pilots Program's policies, procedures, protocols and guidelines. The Applicant also acknowledges and agrees that this Application may be accepted on further terms or conditions, which shall be binding on the Applicant once the proposed project is undertaken by the Applicant.

### Applicant

(Authorized Representative)

Date:

### CleanBC Program Information Sharing Opt-In (Optional)

The Province of B.C. has launched a suite of programs under CleanBC Go Electric with the intention of encouraging and accelerating the adoption of zero emission vehicles in B.C. for their environmental and economic benefits. As a result, there may be more than one funding program that could be applicable for your project. The Province has implemented an information sharing component whereby Applicants to the CleanBC Go Electric Commercial Vehicle Pilots Program may opt to permit the Province to share information contained in the application to other CleanBC programs, including those offered under the CleanBC Go Electric suite of programs.

Note that not all applicants to the CleanBC Go Electric Commercial Vehicle Pilots Program are eligible for funding under other CleanBC programs.

By checking this box, I consent to the sharing of information submitted to the CleanBC Go Electric Commercial Vehicle Pilots Program with other funding programs under the CleanBC portfolio of programs for the purposes of initiating an application to that program for this project. **(OPTIONAL)**

# 1. Application Overview

Please provide your responses within each box.

<b>Applicant:</b>	
<b>Description of Applicant:</b>	
<b>Authorized Representative:</b>	
<b>Project Lead(s):</b>	
<b>Project Partners:</b>	
<b>Project Overview and Background Information:</b>	
<b>Describe what corporate commitments or actions you have taken that relate to ZEV adoption or deployment?</b>	

## 2. Vehicle Information

### Vehicle Comparison

Please complete the tables below for each zero-emission vehicle for which your organization is seeking funding. For additional vehicles, please use the Off-Road Additional Vehicle Form and attach it to the end of this application.

Please also include relevant information for a conventionally fuelled alternative vehicle that the zero-emission vehicle would replace or displace.

	Conventional Vehicle Information <sup>1</sup>	Zero-Emission Vehicle Information	
<b>Number of vehicles:</b>			
<b>What is the intended outcome of the new vehicle on your current fleet?</b>	Replacement	Addition	Retrofit
<b>Vehicle Type:</b> (e.g., boat, train, excavator etc.)			
<b>Vehicle Make:</b>			
<b>Vehicle Model or Model Number:</b>			
<b>Vehicle Model Year:</b>			
<b>Typical Lifespan:</b>			
<b>Gross Vehicle Weight Rating:</b>			
<b>Annual Use:</b> (average kilometres or hours per year)			
<b>Fuel Type:</b>			
<b>Fuel Economy:</b> (average litres per 100 km for conventional and kWh/km or kWh/hr or kg H2/km or kg H2/hr for zero-emission)			
<b>Summary of typical use:</b> Please include detailed information on typical routes (e.g., distance, geography, terrain and frequency of travel). Can the zero-emission vehicle be used in all situations that the conventional vehicle could? If not, what are the exceptions?			
<b>If the vehicle is replacing an existing vehicle, please provide three years of historical data on annual fuel consumption.</b>			
<b>If the vehicle is a new addition, please describe why your organization is adding a new vehicle to its fleet</b>			

1. In cases where this a new addition to the fleet (not a replacement), please identify an equivalent fossil fuel vehicle that would have been purchased in absence of the zero-emission alternative

## Information on the Zero-Emission Vehicle

Please complete the table below for each zero-emission vehicle for which your organization is seeking funding.

<b>Will the vehicle be purchased or leased?</b>	Purchase	Lease
<b>Will the vehicle be purchased or leased in Canada?</b>	Yes	No
<b>If the vehicles will be purchased or leased outside of Canada, please note the country of purchase and explain why.</b>		
<b>Purchase (MRSP) or Lease (monthly payment and term) Price: CAD\$</b>		
<b>Is the vehicle new?</b>	Yes	No
<b>If yes, please indicate the country of manufacture:</b>		
<b>Will the ZEV(s) be majority operated in British Columbia for a minimum of 90% of its operational hours?</b>	Yes	No
<b>If the vehicle is a retrofit, please elaborate, and describe how the deployment will enable innovation and grow the adoption of ZEV technologies in B.C.: <sup>2</sup></b>		
<b>Energy Storage Capacity:</b>		
<b>Rated Payload Specifications:</b>		
<b>Motor Output:</b>		
<b>Electric Range:</b>		
<b>Does the vehicle have zero tailpipe emissions associated with its operation?</b>	Yes	No
<b>Will the vehicle use automation?</b>	Yes	No
<b>Is the vehicle covered by a US Environmental Protection Agency (EPA) certificate or deemed to be covered by an EPA certificate in accordance with the On-Road Vehicle and Engine Emission Regulation under the Canadian Environmental Protection Act (CEPA), 1999?</b>	Yes	No
<b>Does the vehicle meet all requirements outlined in Transport Canada's Motor Vehicle Safety Act and its regulations?</b>	Yes	No
<b>Please describe the expected timeline for the vehicles to be in active operation. To the extent possible, please include information on any steps already taken towards purchase or deployment. Also include the intended vehicle operational lifetime within your organization.</b>		

2. Aftermarket on-road vehicle conversions may be eligible depending on opportunity for innovation and other benefits of the project as presented by the Applicant.

### 3. Supporting Energy Infrastructure

#### Information on Supporting Energy Infrastructure

Please complete the table below if you intend to request funding for supporting energy infrastructure.

<b>Type of energy infrastructure:</b>					
<b>Number of charging or fuelling stations</b>	<b>Level 2</b> (3.3 kW to 19.2 kW)	<b>Fast chargers</b> (20 kW to 49 kW)	<b>Fast chargers</b> (50 kW to 99kW)	<b>Fast chargers</b> (100 kW and above)	<b>Hydrogen fuelling</b>
<b>Number of plug-ins per charging station</b> (i.e., how many vehicles can be plugged in at a time per charging station?)					
<b>Description of energy infrastructure:</b> Please provide information on the installation location(s), including address(es), of the energy infrastructure and typical use.					
<b>Is the energy infrastructure approved for sale and use in Canada?</b>	Yes		No		
<b>Does the infrastructure meet the requirements of the local authorities?</b> (e.g., Technical Safety BC, local governments and local fire departments)	Yes		No		
<b>Will the energy infrastructure be a new installation?</b>	Yes		No		
<b>Will the energy infrastructure be for the expansion of an existing installation?</b>	Yes		No		
<b>Please describe the expected timeline for the installation or expansion of the energy infrastructure to be fully operational. To the extent possible, please include information on any steps already taken towards installation or expansion (e.g., site approvals, grid connection etc.).</b>					
<b>If electric vehicle charging infrastructure:</b>					
<b>Does the electric charging infrastructure have cUL, cETL or CSA certification?</b>	cUL		cETL		CSA
<b>Will the electric charging infrastructure be purchased or leased equipment?</b>	Purchase			Lease	
<b>Will the electric charging infrastructure be a permanent installation for at least five years?</b>	Yes		No		
<b>If no, describe how the mobile electric charging infrastructure will function and how it will remain operational in B.C. for at least five years.</b>					
<b>Make/Manufacturer:</b>					
<b>Model or Model Number:</b>					
<b>Charging Power (kW):</b> (If unknown, please estimate)					
<b>Supply Circuit:</b>					
<b>Installation Provider:</b>					

**If hydrogen fuelling infrastructure:**

<b>Hydrogen fuelling station provider:</b>	
<b>Expected minimum peak fuelling capacity:</b> (i.e., fills per hour)	
<b>Expected minimum station daily fuelling capacity:</b> Please provide information on the daily fuelling capacity (kg/day) and the rated daily capacity over a 12-hour period.	
<b>Will the hydrogen dispensed meet the requirements in the Society of Automotive Engineers (SAE) International J2719: 2011, Hydrogen Fuel Quality for Fuel Cell Vehicles?</b>	Yes <span style="float: right;">No</span>
<b>Will the hydrogen fuelling infrastructure be operational in B.C. for at least 12 months?</b>	Yes <span style="float: right;">No</span>
<b>Source of hydrogen</b> Please describe the source of hydrogen, how the hydrogen is produced (including feedstock and by-products) and whether sourcing has been secured.	

## 4. Telematics

### Information on vehicle telematic data collection.

The Program will have several pre-qualified telematics service providers that meet the Program data collection requirements. Alternatively, if the applicant already has a telematics service provider for their fleet and that organization is not on the pre-qualified list, the applicant can use that service provider, contingent on the ability of the telematics service provider to meet the data collection requirements. Assessing whether a non-pre-qualified telematics service provider meets data collection requirements will be completed prior to executing agreements with successful applicants.

<b>Do you agree to the collection of telematic performance and questionnaire-based data for all vehicles and infrastructure supported with Program funding, and one or two conventionally fuelled vehicles (if available in fleet)?</b>	Yes <span style="float: right;">No</span>
<b>Do you currently collect data on vehicle performance or energy infrastructure as part of your existing fleet?</b>	Yes <span style="float: right;">No</span>
<b>If yes, please describe the data that is collected and for which vehicles and/or energy infrastructure.</b> (e.g., speed, energy/fuel consumption)	
<b>If yes, through which provider is data collected?</b>	
<b>If no, do you agree to the installation of necessary vehicle telematics equipment on the ZEV deployments and one or two conventionally fuelled vehicles (if available in fleet)?</b>	Yes <span style="float: right;">No</span>
<b>Do you agree to use one of the pre-qualified vehicle telematics providers determined by the Delivery Agent?</b>	Yes <span style="float: right;">No</span>
<b>If no, please indicate and provide reasoning for an alternative vehicle telematics provider.</b> Please include a description of the hardware/software of the vehicle telematics system and its data reporting capabilities. Additional information may be requested following review of your submission.	



Note: Target length for Parts 5-7 (Anticipated Project Benefits, Project Schedule and Budget, Additional Information) is 2 to 5 pages. Please provide your responses within each subsection.

## 5. Anticipated Project Benefits

### 5.a) Potential Greenhouse Gas Emission Reduction Benefits

Please describe the anticipated greenhouse gas emission reduction benefits of the project, including:

- **How does the project advance ZEV and ZEV-related technology adoption in your industry, community and/or across the province?**
- **What is the potential for greenhouse gas (GHG) emission reductions as a result of the project?**

### 5.b) Potential British Columbia Economic Co-Benefits

Please describe the anticipated B.C. economic benefits of the project, including:

- **Does the project include the creation of B.C. jobs, the development of a relevant zero-emission vehicle technology sector, manufacturing in B.C., or creation of new products or opportunities that may arise as part of this proposed project?**

### 5.c) Potential Community and Clean Energy Co-Benefits

Please describe the anticipated community and clean energy co-benefits of the project, including:

- **What are the expected impacts of the project on health and the environment (e.g., positive air quality, noise reduction, human and ecosystem health, climate change adaptation)?**

#### **5.d) Innovation and Enabling of Greater Change**

Please describe the anticipated benefits towards enabling longer-term and larger-scale transformation of particular commercial vehicle use cases across various modes and sectors within B.C., and the potential for data collected on vehicle performance of the proposed project to provide benefits through proof of business case and/or academic research.

## 6. Project Schedule and Budget

### 6.a) Project Progress

Please describe the project progress to-date, including any actions taken towards the completion of the project. Where applicable, please include or attach any feasibility studies, correspondence with original equipment manufacturers (OEMs)/vehicle manufacturers/suppliers or other supporting background information.

### 6.b) Project Timeline

Please describe the expected lead time from the manufacturer between purchase order and delivery. Please indicate an anticipated project schedule that includes at a minimum:

- **Purchase or lease of vehicles.**
- **Purchase or lease and installation of supporting energy infrastructure.**
- **Anticipated date of vehicle deployment.**
- **Collection of vehicle performance data (a minimum of 12 months of data required).**

### 6.c) Funding Requirements

In this section, please describe the business case for the vehicle and/or infrastructure deployment and demonstrate to what extent Program funding is required in order for the project to proceed.

- **In this section, please demonstrate to what extent Program funding is required for the project to proceed.**
- **Provide the purchase or lease cost of a new conventionally fuelled vehicle equivalent alongside the purchase or least cost of the zero-emission vehicle(s).**
- **Describe the business case for the vehicle and/or infrastructure deployment.**
- **Indicate the total funding requirement for the project.**

#### 6.d) Project Budget

Please complete the Project Budget Template available for download at [www.cvpbc.ca/apply](http://www.cvpbc.ca/apply). Where applicable, please provide supporting documentation for vehicle, equipment and/or energy infrastructure costs, including quotes from multiple suppliers. Where multiple quotes are not available, please explain why.

- **In the External Funding Sources tab, please identify external sources of funding and indicate the status of funding and expected funding amount.**



## 7. Additional Information

Please provide any additional information that you believe is relevant in assessing the application.