

2. Off-Road Additional Vehicle Form

Vehicle Comparison

Please complete the tables below for any additional zero-emission vehicle for which your organization is seeking funding.

Use one form for each additional vehicle and attach each form to the end of the application. Please also include relevant information for a conventionally fuelled alternative vehicle that the zero-emission vehicle would replace or displace.

	Conventional Vehicle Information ¹	Zero-Emission Vehicle Information	
Number of vehicles:			
What is the intended outcome of the new vehicle on your current fleet?	Replacement	Addition	Retrofit
Vehicle Type: (e.g., boat, train, excavator etc.)			
Vehicle Make:			
Vehicle Model or Model Number:			
Vehicle Model Year:			
Typical Lifespan:			
Gross Vehicle Weight Rating:			
Annual Use: (average kilometres or hours per year)			
Fuel Type:			
Fuel Economy: (average litres per 100 km for conventional and kWh/km or kWh/hr or kg H2/km or kg H2/hr for zero-emission)			
Summary of typical use: 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?			
If the vehicle is replacing an existing vehicle, please provide three years of historical data on annual fuel consumption.			
If the vehicle is a new addition, please describe why your organization is adding a new vehicle to its fleet			

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.

Will the vehicle be purchased or leased?	Purchase	Lease
Will the vehicle be purchased or leased in Canada?	Yes	No
If the vehicles will be purchased or leased outside of Canada, please note the country of purchase and explain why.		
Purchase (MRSP) or Lease (monthly payment and term) Price: CAD\$		
Is the vehicle new?	Yes	No
If yes, please indicate the country of manufacture:		
Will the ZEV(s) be majority operated in British Columbia for a minimum of 90% of its operational hours?	Yes	No
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.: ²		
Energy Storage Capacity:		
Rated Payload Specifications:		
Motor Output:		
Electric Range:		
Does the vehicle have zero tailpipe emissions associated with its operation?	Yes	No
Will the vehicle use automation?	Yes	No
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?	Yes	No
Does the vehicle meet all requirements outlined in Transport Canada's Motor Vehicle Safety Act and its regulations?	Yes	No
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.		

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.

Type of energy infrastructure:					
Number of charging or fuelling stations	Level 2 (3.3 kw to 19.2 kW)	Fast chargers (20 kW to 49 kW)	Fast chargers (50 kW to 99kW)	Fast chargers (100 kW and above)	Hydrogen fuelling
Number of plug-ins per charging station (i.e., how many vehicles can be plugged in at a time per charging station?)					
Description of energy infrastructure: Please provide information on the installation location(s), including address(es), of the energy infrastructure and typical use.					
Is the energy infrastructure approved for sale and use in Canada?	Yes		No		
Does the infrastructure meet the requirements of the local authorities? (e.g., Technical Safety BC, local governments and local fire departments)	Yes		No		
Will the energy infrastructure be a new installation?	Yes		No		
Will the energy infrastructure be for the expansion of an existing installation?	Yes		No		
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.).					
If electric vehicle charging infrastructure:					
Does the electric charging infrastructure have cUL, cETL or CSA certification?	cUL		cETL		CSA
Will the electric charging infrastructure be purchased or leased equipment?	Purchase			Lease	
Will the electric charging infrastructure be a permanent installation for at least five years?	Yes		No		
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.					
Make/Manufacturer:					
Model or Model Number:					
Charging Power (kW): (If unknown, please estimate)					
Supply Circuit:					
Installation Provider:					

If hydrogen fuelling infrastructure:

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