

# PROGRAM GUIDE – YEAR FOUR

## CleanBC Heavy-duty Vehicle Efficiency Program

January 13, 2023

---

### BACKGROUND

The BC Trucking Association (BCTA) partnered with the BC Ministry of Transportation and Infrastructure (MoTI) in 2019 to provide the CleanBC Heavy-duty Vehicle Efficiency Program (Program). The Province has committed \$3.5 million to Year-four of the Program. BCTA is administering the Program on behalf of the Province.

The CleanBC Heavy-duty Vehicle Efficiency Program consists of two components: a course and an application-based incentive program that provides rebates on qualifying fuel-efficiency equipment. CleanBC Heavy-duty Vehicle Efficiency Program Course sessions will be offered online and in select locations across BC, subject to public health orders and guidelines related to COVID-19. Participating in and passing a course session in this program year, regardless of if the company has taken the course in prior years, is a pre-requisite for any company applying for CleanBC Heavy-duty Vehicle Efficiency Program Incentives.

The purpose of this Program is to support the reduction of heavy-duty on-road commercial vehicle greenhouse gas (GHG) emissions in British Columbia (BC) through available techniques and proven technology that reduce fuel consumption until near-zero or zero-emission heavy-duty vehicle options are available (i.e., market tested to demonstrate reliability for BC's topography and climate and priced comparatively to conventional options).

CleanBC is the provincial government's BC-specific plan to reduce GHG emissions by shifting away from fossil fuels and towards renewable energy. BC has legislated targets to reduce emissions to 40 percent below 2007 levels by 2030, 60 percent below 2007 levels by 2040 and 80 percent below 2007 levels by 2050.

### PROGRAM DETAILS

#### 1. CleanBC Heavy-duty Vehicle Efficiency Program Eligibility Requirements

To be eligible to participate in the Program, a company must:

- have one or more heavy-duty commercial vehicles in their fleet (a vehicle with a gross vehicle weight greater than 11,794 kg) that is licensed and insured to operate in BC;
- have a current National Safety Code (NSC) certificate with a "satisfactory" rating (Note: it does not have to be a BC-issued NSC and rental companies are not required to have an NSC);
- conduct business in BC;
- have a terminal located in BC; and
- have a company delegate take and pass the CleanBC Heavy-duty Vehicle Efficiency Program Course within the program year (August 12, 2022 to August 31, 2023) prior to taking possession of fuel-saving equipment.

**Note: Fuel saving equipment that is purchased and taken possession of prior to the Program year (August 12, 2022) and prior to a company delegate attending and passing the free Program Course is NOT ELIGIBLE for Program rebates.**

*Membership in BCTA is not required to participate in the Program.*

## 2. CleanBC Heavy-duty Vehicle Efficiency Program Course

BCTA will provide a Program course, free of charge, to teach participants the impact of climate change, why and how BC's commercial road transportation can take urgent action to reduce the impacts of climate change, the importance of company fuel management plans, regardless of fleet size, and how to measure and improve fuel economy based on efficient driving practices and available technology.

The course will include:

- An overview of CleanBC's GHG emissions reduction legislation and the BC road transportation industry's role in BC's emissions reduction targets.
- Fuel-efficiency management practices that carriers can adopt to reduce their fuel consumption such as driving techniques, installing aerodynamic devices, utilizing wide tires and/or reducing idling time.
- Why and what should be included in a company fuel management program for any size of fleet.
- Participation in group exercises to apply course lessons (Note: group exercises may not be possible in webinar courses).
- An open-book quiz (a grade of 80 percent is required to pass the course).
- A course Handbook.

Any company wishing to enroll a representative in the course must meet the Program eligibility requirements above.

Upon successful completion of the course, participants are eligible to apply for CleanBC Heavy-duty Vehicle Efficiency Program Incentives.

Course information including dates, locations, and registration is available through BCTA's website at [BCtrucking.com](http://BCtrucking.com).

## 3. CleanBC Heavy-duty Vehicle Efficiency Program Incentives

The CleanBC Heavy-duty Vehicle Efficiency Program Incentives offer rebates on the purchase and installation of qualifying fuel-saving equipment. Companies can apply for CleanBC Heavy-duty Vehicle Efficiency Program Incentives subject to the following conditions:

### All Companies

- At least one company representative must complete and pass the CleanBC Heavy-duty Vehicle Efficiency Program Course within the Program year **prior to applying for Program Incentive Rebates**. Note: companies that have had a company representative complete and pass the CleanBC Heavy-duty Vehicle Efficiency Program Course in previous Program years will need to redo the Program Course.
- Every company eligible for Program Incentives can receive a maximum of \$15,000 per vehicle or \$100,000 per fleet per fiscal Program Year. These maximums apply to the eligible company, including any affiliates. A copy of the company's BC Certificate of Incorporation will be required.

- All fuel-efficiency equipment approved through the Program Incentives must be purchased and installed in BC by a BC-based facility/company as follows:
  - Within the Program Year (August 12, 2022 to August 31, 2023); and
  - Installed, or taken possession of after participating in and passing the Program Course.
- Provide, a complete application, which includes:
  - A current copy of your company's National Safety Code (NSC) carrier profile demonstrating a "satisfactory" rating;
  - A copy of the applicant's Certificate of Incorporation or business registration; and
  - Documentation that qualifying the equipment/device has been purchased and installed (e.g., Bill of Sale, insurance documents, lease agreements).

### **Motor Carriers**

- Each eligible company with distinct NSC number and corporate registration must send their own representative to complete and pass the CleanBC Heavy-duty Vehicle Efficiency Program Course in order to apply for Program Incentives.
- Eligible companies can apply for Program Incentives for their owner/operator vehicles as long as the owner/operator operates under the applicant company's NSC, AND the applicant company can demonstrate it has the support of the owner/operator, by way of a letter of support, for the application pertaining to their vehicle.

### **Rental Companies**

This applies to rental companies that own and rent commercial vehicles with a gross vehicle weight greater than 11,794 kg:

- The rental company must have at least one rental office in BC, and only vehicles that are rented from and maintained in BC, are eligible to apply for Program incentives.
- The rental vehicle for which incentive funding is being applied for (tractor or trailer) must be:
  - Part of the rental company's short-term rental fleet (rented for a period of 30 days or less, long term rentals will not be considered);
  - Returned, after each rental, back to the BC rental company's terminal; and
  - Maintained in the rental company's short-term rental fleet for a period of no less than one year from the time Program incentive dollars are issued.

BCTA's application evaluation and distribution process criteria are as follows:

- For the period of August 12, 2022 to October 31, 2022, all Program Incentive funds will be disbursed by provincial region<sup>1</sup> proportional to the region's population distribution;
- Distribution of funds, between the period of August 12, 2022 to October 31, 2022 will also support the promotion of transportation diversification across carrier type and size and with priority access being given to new applicants:
  - Between August 12, 2022 and September 14, 2022, BCTA will only accept applications from new applicants, those carriers, as defined by their National Safety Code (NSC) number that have not been allocated funds from the Program<sup>2</sup> in year-one, two or three and self-declared

---

<sup>1</sup> <https://www.welcomebc.ca/Choose-B-C/Explore-British-Columbia/Regions-in-B-C>

<sup>2</sup> Defined as having applied for, and been approved for funds through the issuance of a Commitment Letter, regardless if they acted on the Commitment Letter or not.

- indigenous owned carriers, regardless if they were allocated funds in program year-one, two or three in support of reconciliation;
- Beginning September 15, 2022 to October 31, 2022, BCTA will accept applications from carriers based on provincial region.
  - If funds from a region have been unallocated as of October 31, 2022, those funds will then be allocated to a general pot for distribution on a first-come, first-serve basis effective November 1, 2022, regardless of what region the applicant is applying from, until such time all funds are issued, or August 31, 2023, whichever comes first.

Applicants applying for an Incentive Rebate must meet the conditions of this Program Guide and provide BCTA with documentation confirming the qualifying equipment has been installed on the vehicle being applied for, such as itemized sales receipts, work orders, or insurance documents. Only after BCTA has reviewed the supporting documents and the company has met the conditions of the Program outlined in this Program Guide and application form will the Program Incentive Rebate be paid out to applicants.

Please note that:

- 1) A Program Incentive Rebate is not guaranteed and is subject to fund availability (i.e., first come first served in conjunction with distribution guidelines) and providing necessary documentation to confirm, to the satisfaction of BCTA, that the qualifying equipment has been installed as per this Program Guide;
- 2) That by accepting Program Incentive Rebates, the applicant agrees to maintain the qualifying equipment for which Program Incentive Rebates were granted for a period of no less than one year from the date which the Program Incentive Rebate was granted, except for limited circumstances as approved by BCTA on a case-by-case basis; and
- 3) BCTA reserves the right to audit vehicles in which Program Incentive Rebates have been awarded for a period of up to a year after the Program Incentive Rebates have been awarded.

#### 4. CleanBC Heavy-duty Vehicle Efficiency Program Incentives – Qualifying Equipment

The following table lists fuel-efficiency equipment eligible for rebates through the Program Incentives for Year-four’s incentive offering, along with the maximum incentive that can be awarded for each type of equipment. The estimated fuel savings provided are not cumulative, and actual fuel savings from any of qualifying equipment may vary from the estimated amount.

Companies can apply for any combination of the equipment, for any number of vehicles; however, they are not guaranteed to receive any rebates. Subject to availability of funds, the applicant company may receive a rebate that is less than the maximum incentive allowed for each type of equipment.

Type of Equipment	Qualifying Equipment and Maximum Incentive
<b>Wide-based tires (445 or greater)</b>	<ul style="list-style-type: none"> <li>• 445 – up to 30% of the cost of the device and its installation, up to a cap of \$500 per tire to include the cost associated with the purchase of the wheel)</li> </ul>
	<ul style="list-style-type: none"> <li>• 455 – up to 50% of the cost of the device and its installation, up to a cap of \$900 per tire to include the cost associated with the purchase of the wheel)</li> </ul>

Type of Equipment	Qualifying Equipment and Maximum Incentive
<b>Tire Pressure</b>	<ul style="list-style-type: none"> <li>• Automatic Tire Inflation System - up to 30% of the cost of the device and its installation, up to a cap of \$375 per vehicle</li> <li>• Tire Pressure Monitoring System - up to 30% of the cost of the device and its installation, up to a cap of \$300 per vehicle</li> </ul>
<b>Aerodynamics</b>	<ul style="list-style-type: none"> <li>• Side Skirts (see Image 1, below) – up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Boat Tails (see Image 1, below) – up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Trailer top and/or side kit (see Image 2, below) - up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Trailer front fairing (e.g., bubble – see Image 3, below)- up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Full Fairings Wheel to Wheel (see Image 4, below) – up to 50% of the cost of the device and its installation, up to a cap of \$2,000</li> <li>• Cab roof deflector and/or fairings (see examples in Image 4, 5 and 6 below) - up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Aero bumpers – up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Cab side fairing (see Image 4, below) - up to 30% of the cost of the device and its installation, up to a cap of \$2,000 per device</li> <li>• Eco Mud Flaps (see Image 4, below) - up to 50% of the cost of the device and its installation, up to a cap of \$30 per device</li> </ul>
<b>Auxiliary power units</b>	<ul style="list-style-type: none"> <li>• Diesel/conventional APU - up to 30% of the cost of the device and its installation, to a cap of \$4,000 per device</li> <li>• Electric APU - up to 50% of the cost of the device and its installation, to a cap of \$6,000 per device</li> <li>• Electric APU paired with solar panel - up to 50% of the cost of the device and its installation, to a cap of \$7,000 per device</li> </ul>

Type of Equipment	Qualifying Equipment and Maximum Incentive
<b>Other Anti-idling Devices</b>	<ul style="list-style-type: none"> <li>• Cab Heaters/Coolers - 30% of the cost of the device and its installation, up to a cap of \$1,500 per device.</li> <li>• Coolant heaters - 30% of the cost of the device and its installation, up to a cap of \$1,500 per device</li> </ul>
<b>Zero-emission Reefer</b>	<ul style="list-style-type: none"> <li>• Zero Emission (e.g., Electric) Refrigeration Unit - up to 50% of the cost of the device and its installation, up to a cap of \$15,000 per device.</li> </ul>
<b>Engine/fuel modifications</b>	<ul style="list-style-type: none"> <li>• Automated/Automatic Transmission – up to 50% of the cost of the device and its installation, up to a cap of \$1,000 per device</li> </ul>
	<ul style="list-style-type: none"> <li>• Predictive Cruise – up to 50% of the cost of the device and its installation, up to a cap of \$1,000 per device</li> </ul>
	<ul style="list-style-type: none"> <li>• Driver Performance Assistance – up to 50% of the cost of the device and its installation, up to a cap of \$1,000 per device (devices that provide real time and company fuel management tracking for driver coaching purposes)</li> </ul>
	<ul style="list-style-type: none"> <li>• Hydrogen Fuel Enhancement System – up to 50% of the cost of the device and its installation, up to a cap of \$4,000 per device</li> </ul>
<b>Alternative Fuel Commercial Motor Vehicle</b>	<ul style="list-style-type: none"> <li>• Retrofit Natural Gas (CNG/LNG), Electric, or Hydrogen - 30% of the conversion cost, up to a cap of \$10,000 per vehicle</li> </ul>
	<ul style="list-style-type: none"> <li>• Dual fuel retrofits of Natural Gas (CNG/LNG), Hydrogen, Electric (including electric drive axles) with Diesel - 30% of the retrofit cost, up to a cap of \$10,000 per vehicle</li> </ul>

Image 1: Side Skirts and Boat Tails



Image 2: Trailer Top/side Kit





Image 3: Trailer Front Fairing (bubble)



Image 4: Cab roof deflector/fairing, Cab side fairings, Full fairings wheel to wheel, Eco Mud Flaps



Image 5: Cab Roof Fairing (non-adjustable)



Image 6: Cab Deflector (adjustable)

