

# PROGRAM GUIDE

## CleanBC Heavy-duty Vehicle Efficiency Program

November 2019

---

### BACKGROUND

The BC Trucking Association (BCTA) has partnered with the BC Ministry of Transportation and Infrastructure (MoTI) to provide the CleanBC Heavy-duty Vehicle Efficiency Program. The Province has committed \$1.4 million annually, for up to three years, for investment in this Program. BCTA is administering the Program on behalf of the Province.

The CleanBC Heavy-duty Vehicle Efficiency Program consists of two components: a one-day course and an application-based incentive offering that provides rebates on qualifying fuel-efficiency equipment. CleanBC Heavy-duty Vehicle Efficiency Program Course sessions are scheduled in Langley and Kamloops for November and December 2019, and additional dates will be offered for Langley and Prince George early in 2020. Participating in and passing a course session is a prerequisite 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 your fleet (a vehicle with a gross vehicle weight greater than 11,794 kg) that is licensed and insured to operate in BC;
- have a National Safety Code (NSC) certificate with a "satisfactory" rating (Note: it does not have to be a BC-issued NSC);
- conduct business in BC; and
- have a terminal located in BC.

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

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

BCTA will provide a one-day course, free of charge, to teach participants how to develop a Fuel Management Program for any size of fleet, including how to incorporate measures to improve fuel economy based on efficient driving practices and available technology.

The course will include:

- An overview of CleanBC, BC'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, an improved vehicle maintenance program, installing aerodynamic devices, utilizing wide tires and/or reducing idling time.
- How to develop a Fuel Management Program for any size of fleet.
- Participation in group exercises to apply course lessons.
- An open-book quiz (a grade of 80% is required to pass the course).

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 and 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:

- At least one company representative must complete and pass the CleanBC Heavy-duty Vehicle Efficiency Program Course prior to submitting an application for Program Incentives.
- Every company eligible for Program Incentives can receive a maximum of \$10,000 per vehicle or \$100,000 per fleet.
  - 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.
- All fuel-efficiency equipment approved through the Program Incentives must be purchased and installed in BC by a BC-based facility/company. Installation can be done in-house as long as the facility is in BC and a purchase order and work order can be generated.

- In order for the fuel-efficiency equipment to be eligible for a rebate through the Program Incentives, purchase must not be made before a company receives notice from BCTA that its application was approved.
- All applications must be for new purchases of the qualifying fuel-efficiency equipment, and can include new vehicles with the qualifying equipment installed by the dealer. No retroactive applications for previously purchased/installed equipment will be accepted.

The application period for the incentives will open February 2020. All information to be submitted and criteria for awarding rebates will be provided prior to the application period through BCTA’s website and sent directly to those who have successfully completed the Program course.

BCTA will advise applicants of any Program Incentive dollar commitments they have been awarded by March 31, 2020, through a letter of commitment. Applicants must meet the conditions of the letter of commitment to receive payment. The conditions will include purchasing/installing the approved equipment within a specified time period and sending supporting documents to BCTA to show the purchase and installation has been completed. Only after BCTA has reviewed the supporting documents and the company has met the conditions in the letter of commitment will the Program Incentive commitments be paid out to applicants.

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

The table below lists fuel-efficiency equipment eligible for rebates through the Program Incentives, 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	Estimated Fuel Savings
Wide-based tires (445 or greater)	• 445 – 30% of the cost of the device and its installation, up to a cap of \$300 per tire	3.2%
	• 455 – 50% of the cost of the device and its installation, up to a cap of \$600 per tire	
Aerodynamics	• Side Skirts – 30% of the cost of the device and its installation, up to a cap of \$2,000 per device	3%
	• Boat Tails – 30% of the cost of the device and its installation, up to a cap of \$2,000 per device	
	• Full Fairings Wheel to Wheel – 50% of the cost of the device and its installation, up to a cap of \$2,000	

Type of Equipment	Qualifying Equipment and Maximum Incentive	Estimated Fuel Savings
[Aerodynamics continued]	<ul style="list-style-type: none"> <li>Plastic Flow Below Aero Kit – 50% of the cost of the device and its installation, up to a cap of \$1,000</li> </ul>	
Auxiliary power units	<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>	Reduction of idle time by up to 60-70%
Engine/fuel modifications	<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>	4.5%
	<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>	2.8%
	<ul style="list-style-type: none"> <li>Engine Idle Shut Down Timer/Automatic Engine Start/Stop System – up to 50% of the cost of the device and its installation, up to a cap of \$1,250 per device</li> </ul>	Reduction of idle time by up to 60-70%
	<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</li> </ul>	Up to 15%
	<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>	10-25%

No changes will be made to the list for the first application intake. After the first year of the Program ending in the spring of 2020, BCTA and MoTI may, upon mutual agreement, add or remove fuel-efficient technology from the list.