



**Zero Emission Vehicle
Weights VS Standard Class
Tractor Weights.**

Zero Emission Vehicle Weights VS Freightliner Sleeper / Day Cab

Manufacturer	Model	Tare	Freightliner Sleeper	Additional weight	Freightliner Daycab	Additional weight
Lion	Straight Truck	9997	9585	412	8675	1322
Lion	EV 5 Battery	10727	9585	1142	8700	2027
Lion	EV 6 Battery	11339	9585	1754	8700	2639
Lion	EV 7 Battery	11952	9585	2367	8700	3252
Lion	EV 8 Battery	12564	9585	2979	8700	3864
Lion	EV 9 Battery	13179	9585	3594	8700	4479
Hyzon	Fcell	9933	9585	348	8700	1233
Nikola	EV	13,800	9585	4215	8700	5100
Nikola	Fcell	10,800	9585	1215	8700	2100
Hydra	H2/Hydrogen	9000	9585	-585	8700	300



*Transitioning to
Tomorrow*

Federal Grants for Zero Emission Vehicles.



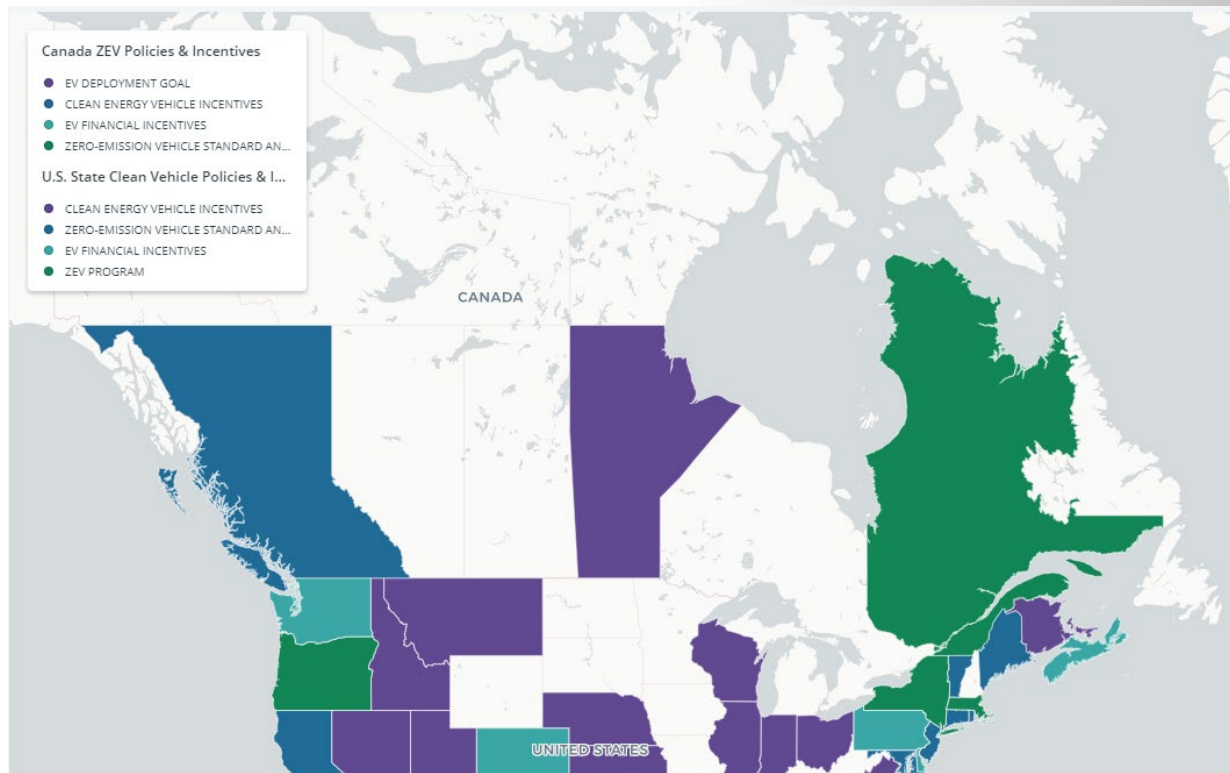
Table 10. Key federal measures

Category	Policies and programs
Incentives and subsidies	<ul style="list-style-type: none"> \$550M iMHZEV program 100% tax write-off for business (until 2024, and decreasing thereafter) on ZEV acquisitions \$2.75B Zero Emission Transit Fund \$1.5B CIB Zero Emission Bus Initiative
Charging and fuelling infrastructure	<ul style="list-style-type: none"> \$500M CIB investment in large-scale ZEV charging and refuelling infrastructure \$680M Zero Emission Vehicle Infrastructure Program \$76M Electric Vehicle Infrastructure Demonstration Program
Policies and regulations	<ul style="list-style-type: none"> Heavy-duty Vehicle and Engine Greenhouse Gas Emission Regulations Clean Fuel Regulations Carbon Tax
Capacity-building	<ul style="list-style-type: none"> Zero Emission Vehicle Awareness Initiative \$200M Green Freight Program \$33.8M for hydrogen trucking demonstration projects \$295M to retool the Ontario Oakville Assembly Complex \$2.2M Greening Government Fleets



*Transitioning to
Tomorrow*

Provincial Grants for Zero Emission Vehicles.



<https://www.c2es.org/document/canadian-provincial-clean-vehicle-policies-and-incentives/>

AMTA

Transitioning to
Tomorrow

Current Western Allowances

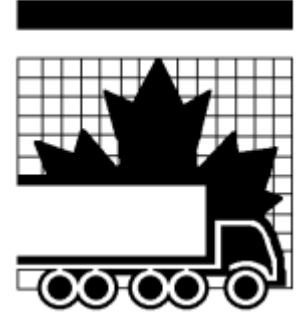


B.C. is offering a 1,500 kg allowance to electrically powered, full-sized commercial vehicles and a 1,000 kg allowance to hydrogen-powered vehicles. To further support broad adoption, the government will make increases to maximum gross combination vehicle weight, up to 65,000 kg and 64,500 kg respectively.



Commercial Vehicle Dimension and Weight Regulation

Carriers with alternative fueled vehicles will require an Overweight Permit allowing for the extra weight to be distributed between the steering axle and drive axle group for a combined maximum axle weight increase of 1,000 kg, as shown in Table 1. The overall gross vehicle weight (GVW) remains unchanged, and vehicles must not exceed the maximum allowable for the vehicle configuration in accordance with the CVDWR. This allowance applies to buses, trucks, truck tractors, semi-trailer combinations, truck and pony trailer combinations that are powered by alternative fuels.



*Transitioning to
Tomorrow*

AZETEC H2 / ELECTRIC VEHICLE INFRASTRUCTURE DEVELOPMENT

ACCOMPLISHMENTS

Infrastructure

Delivery of PSA and compression units
Delivery of bumping cabinet and gas transfer module
Concrete and piping for terminal

Regulatory

Hydrogen fueling ERAP is with Transport Canada

Safety, training, operation and maintenance

Invoicing and timesheet processes developed

Additional projects

AZHET buses, Hydrogen Vehicle Roadshow

Fueling Projections and Schedule

Completed by Transition Accelerator



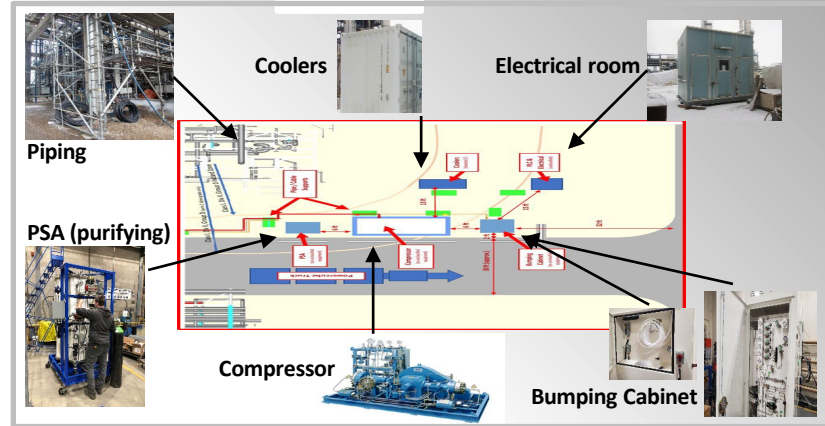
Hydrogen trailer 1 (H₂T1)

UPCOMING EVENTS

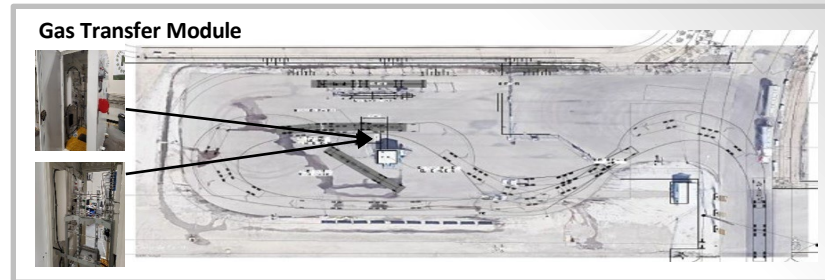
ERA short film Sep 2022

Terminal launch

Nov 2022



Site 1 Refinery



Site 2 Terminal



EVID



Hydrogen Commercial Vehicle
Demonstration Program

AMTA
**TRANSFORMING
TRANSPORTATION**
Driving Lower Emissions in Alberta

Be part of Canada's first heavy-duty alternative fuel pilot. [Apply Now](#)

AMTA

*Transitioning to
Tomorrow*

RIDE A LONG OPPORTUNITY



Quiet

No GHG emissions

Unbelievable acceleration

Better than Disneyland



TWO YEAR PROJECT

Hydra (Dual Fuel) Truck

April 2 – May 2022

February 2023 – February 2025



Hyzon Fuel Cell Electric Vehicle (FCEV)

May 2022

December 2022 to April 2023



Nikola Fuel Cell Electric Vehicle (FCEV)

April 2022

June 2023 - June 2024



Hyundai, Volvo & Toyota TBA



AMTA AZETEC PROJECT



AMTA

*Transitioning to
Tomorrow*

For the Commercial Transportation Industry to adopt ZERO emission vehicles do we need additional weight allowances to be standardized across Canada.

Thank you!



www.amta.ca