

New Weight Allowances for Commercial Vehicles with Alternative Fuel Sources

Hydrogen, electric, or other fuel types

The Government of Alberta is committed to working with industry and stakeholders to advance and invest in energy-efficient, low-emission transportation technologies to support a more sustainable transportation system, environmental stewardship and economic development.

Alternative fuel systems such as electricity, compressed natural gas (CNG), liquefied natural gas (LNG), hydrogen, and hydrogen/diesel dual fuel, have heavier components than diesel engines and may exceed maximum legal weights.

To encourage the broader use of these fuel types, Alberta Transportation is providing additional axle weight on these types of vehicles to offset the added weight of equipment.

Overweight and Over-Dimensional Permits

In Alberta, the [Commercial Vehicle Dimension and Weight Regulation](#) (CVDWR) specifies maximum weight and dimension limits, and configurations for commercial vehicles operating in Alberta. Vehicles that operate outside these regulated limits must obtain a permit. Each permit sets safety conditions that must be followed to minimize the risk to public safety.

Municipalities have the authority to restrict the movement of overweight vehicles on local roads. Overweight carriers may require municipal permits to operate along certain routes under the control of a municipality.

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.

TABLE 1: COMMERCIAL VEHICLE MAXIMUM REGULATED WEIGHTS (kilograms)

	Regulated Maximum ¹	Permitted Allowance ^{1,2,3}
Truck – Steering Axle	7,300	8,300
Truck Tractor – Steering Axle	6,000	7,000
Truck/Truck Tractor – Drive Axle	17,000	18,000

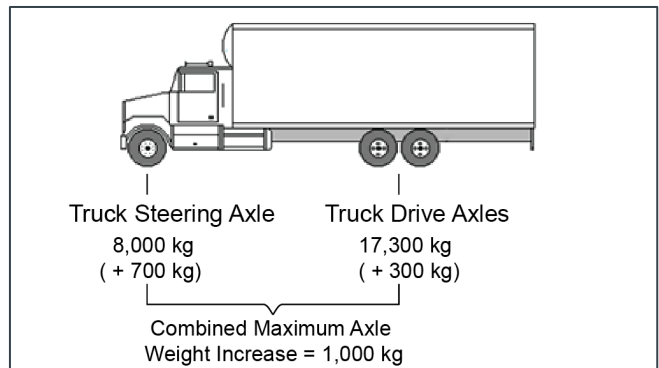
¹ Maximum weights are dependent on tire size. Weights cannot exceed 10 kg/mm of nominal tire width as stamped on the tire by the manufacturer.

² Maximum increased weight not to exceed 1,000 kg over the steering and drive axles combined.

³ Permit is required to obtain these weights

Seasonal restrictions apply and travel on banned roads is prohibited for vehicles operating with drive axle weights that exceed the ban percentages. Operation on municipal roads requires approval from the municipality. Overweight permits for alternative fuels cost \$84 per commercial vehicle and are valid for one year from the date issued.

Example: Combined Maximum Axle Weight



Contact Information

Carriers can apply for annual Overweight Permits by contacting Alberta Transportation's Central Permit Office by e-mail at Central.Permits@gov.ab.ca or by phone at 1-800-662-7138.

For more information about commercial vehicle weight and dimension regulations visit www.alberta.ca/commercial-vehicle-weight-and-dimensions-regulations.aspx.