

Alternative Fuel Vehicles and Alternative Motor Fuel Tax Concessions

Social Service Tax Act and Motor Fuel Tax Act

This bulletin outlines concessions for alternative fuel vehicles and alternative fuels from the social service tax, also called the provincial sales tax (PST), and from the motor fuel tax.

For details on calculating the PST reduction, please refer to [Bulletin SST 087, Alternative Fuel Vehicles: Calculating the Tax Reduction](#).

For general PST information that applies to all businesses, such as who needs to register, when general exemptions apply, and how to charge and collect the PST, please read our [Small Business Guide to Provincial Sales Tax \(PST\)](#).

The information in this bulletin is provided for your convenience and guidance and is not a replacement for the legislation. The *Social Service Tax Act* and *Motor Fuel Tax Act* and Regulations can be found on the web at www.gov.bc.ca/sbr

In this issue...

- ***Social Service Tax Concessions***
 - ***Alternative fuel vehicles***
 - ***Vehicles converted to alternative fuel use***
- ***Motor Fuel Tax Concessions***

SOCIAL SERVICE TAX CONCESSIONS

ALTERNATIVE FUEL VEHICLES

An **alternative fuel vehicle** is a motor vehicle, not including a multi-jurisdictional vehicle or two-wheeled vehicle, that:

- (a) is manufactured to operate:
 - exclusively on electricity, ethanol, methanol, natural gas or propane;
 - as a hybrid electric vehicle (see definition following); or
 - as a bi-fuel vehicle that has two separate

fuel storage tanks so the vehicle can be propelled by an alternative fuel, other than electricity, (ethanol, methanol, natural gas or propane) or by gasoline or diesel fuel;

and

- (b) is a new vehicle (i.e., has not, since its manufacture, been sold or leased at a retail sale or retail lease);
- (c) is designed to be operated on a highway and licensed for use on a highway; and
- (d) meets the standards prescribed under the *Motor Vehicle Safety Act* (Canada).

Hybrid Electric Vehicles

A hybrid electric vehicle, is a motor vehicle that has both an internal combustion engine and an electric motor, and that is:

- (a) designed to automatically shut off the engine while idling, braking or coasting (commonly referred to as "idle stop");
- (b) designed to capture and store electricity generated during braking (commonly referred

to as “regenerative braking”); and

(c) capable of sustained propulsion either:

- simultaneously by the internal combustion engine and the electric motor (sometimes referred to as motor assist); **or**
- solely by the electric motor, operating on electricity generated by the internal combustion engine.

Tax Rate Adjustment

Alternative fuel vehicles that are passenger vehicles are eligible for a reduction in the price of the vehicle for the determination of the applicable tax rate. Passenger vehicles are motor vehicles designed primarily as a means of transport for individuals including cars, station wagons, motorcycles (greater than 250 cc), and trucks and vans to $\frac{3}{4}$ ton. Buses and larger trucks (over $\frac{3}{4}$ ton) are not included.

As the cost of an alternative fuel passenger vehicle is generally higher than the cost of comparable gasoline or diesel models, these vehicles may therefore be subject to a higher rate of tax applicable to vehicles priced at \$55,000 or more. This concession allows the price of a vehicle to be reduced by \$7,000 in order to calculate a reduced price for the vehicle that, in turn, is used to determine the applicable tax rate (7%, 8%, 9% or 10%).

The tax rate adjustment for hybrid electric vehicles that are passenger vehicles will be reduced to \$3,500 on April 1, 2008, and will be eliminated on April 1, 2009.

Point of Sale Tax Reduction

Alternative fuel vehicles are new bi-fuel, hybrid electric and other vehicles manufactured to operate exclusively on electricity, ethanol, methanol, natural gas or propane. Qualifying alternative fuel vehicles have in the past been eligible for a refund of all or a portion of the tax paid on the purchase or lease of the vehicle.

Effective February 16, 2005, the refund is replaced with a point of sale tax reduction. This means that you may obtain the benefit of the tax reduction at the time of purchasing or leasing a qualifying vehicle rather than applying for a refund after the sale or lease has taken place.

Motor vehicle dealers are provided with information on eligible vehicles and on procedures for providing the tax reductions at the time of sale or lease. The point of sale tax reduction applies to all purchases and leases of alternative fuel vehicles that take place on or after February 16, 2005. Vehicles

purchased or leased before this date remain eligible for the tax refund.

Amount of the Tax Reduction

The tax reduction for qualifying alternative fuel vehicles, *other than hybrid electric vehicles*, is 50% of the tax payable to a maximum of \$1,000.

The tax reduction for shuttle buses and passenger buses is 50% of the tax payable to a maximum of \$5,000 and \$10,000 respectively.

Qualifying hybrid electric vehicles (not passenger buses or shuttle buses) are eligible for a temporary, but increased, tax reduction to a maximum of \$2,000. The tax reduction applies to new qualifying hybrid electric vehicles purchased or leased on or after February 16, 2005 and before April 1, 2008. On April 1, 2008, the tax reduction amount will be reduced to a maximum of \$1,000 and will be eliminated on April 1, 2009.

More Info: [Bulletin SST 087](#), *Alternative Fuel Vehicles: Calculating the Tax Reduction*

Refunds for Alternative Fuel Vehicles prior to February 16, 2005

If you purchased or leased an alternative fuel vehicle prior to February 16, 2005, you may claim a partial refund from the ministry. The refund amount is 30% of the tax paid, to a maximum of \$1,000, \$5,000 or \$10,000 depending on the type of vehicle.

For eligible alternative fuel vehicles, *except passenger or shuttle buses*, the refund is the lesser of:

- 30% of the tax paid on the purchase or lease of the vehicle; or
- \$1,000 after July 31, 2001 (\$500 prior to July 31, 2001).

For *alternative fuel shuttle buses* (seating capacity of 14 to 29 passengers), purchased or leased on or after October 22, 2004, the refund is the lesser of:

- 30% of the tax paid on the purchase or lease of the shuttle bus; or
- \$5,000.

For *alternative fuel passenger buses* (seating capacity of 30 or more passengers), the refund is the lesser of:

- 30% of the tax paid on the purchase or lease of the passenger bus; or
- \$10,000 after July 31, 2001 (\$5,000 prior to July 31, 2001).

To claim a refund, complete the *Application for Refund of Social Service Tax Paid on a Motor*

Vehicle form (**FIN 413MV**). This form is available from the ministry or any Service BC-Government Agent office. You will also find it on our website at:

www.sbr.gov.bc.ca/ctb/forms.htm

Include the following information with your claim.

- A copy of the registration certificate showing the make, model, year and fuel type of the vehicle.
- If the vehicle is purchased, a copy of the bill of sale indicating the date of purchase and the amount of tax paid. If the vehicle is leased, a copy of the lease agreement showing the date the lease was entered into, the term of the lease, and the lease price, as well as copies of lease invoices showing the amount of tax paid.
- Documentation from the dealer confirming the type of fuel the vehicle is designed to consume.

Forward your refund claim to:

Refund Section
Consumer Taxation Programs Branch
PO Box 9628, Stn Prov Govt
Victoria BC V8W 9N6

All refund claims must be submitted within six years from the date the tax was paid.

VEHICLES CONVERTED TO ALTERNATIVE FUEL USE

Natural Gas or Propane Conversion Kits

Purchases of kits to convert motor vehicles and stationary engines to operate on natural gas or propane are exempt from PST.

This exemption applies to all parts used in converting an internal combustion engine from gasoline or diesel to natural gas or propane. Such items include the mixer, adapter, regulator, converter, fuel lock-off, pressure release valve, engine supply tank, piping, and brass fittings.

Tax applies to any parts that may be installed at the same time as the conversion, but are not related to the conversion.

Electric Conversion Kits

Purchases of kits to convert motor vehicles to operate exclusively on electricity are exempt from PST. This exemption applies to all parts that are required to enable the vehicle to run on electricity. This includes motors, motor controllers, motor mounts, throttle pot boxes, contactors, fuses, circuit breakers, onboard battery chargers, charger interlock relays, fuel gauges, ammeters and shunts,

welding cable and lugs, batteries, adapter plates and couplers, vacuum pump kits (for restoring power brakes), power steering kits (to restore power steering), controller cooling kits, upgraded charging systems, heater kits, rev systems, and reversing contactors.

Tax applies to any parts that may be installed at the same time as the conversion, but are not related to the conversion. This includes optional items such as battery watering systems, even if they may enhance the operation of the vehicle as an electric vehicle.

Installation of Natural Gas, Propane or Electric Conversion Kits

Tax does not apply to charges to install the natural gas, propane or electric conversion kits described in this section. This is regardless of whether the installer also sells the conversion kit to the customer or simply installs the customer's kit. Tax does apply to any other service that may be provided at the same time as the conversion, but is not related to the conversion.

To qualify for the exemption for charges to install the exempt kit when other taxable services are provided at the same time, the charge for installing the kit must be **separately** stated from the taxable services on the sales invoice.

Repair or maintenance services provided to exempt conversion kits, as well as the parts consumed in their repair or maintenance, are exempt from PST.

Hybrid Electric and HCNG Bus Conversions

Effective February 22, 2006, a refund is provided for tax paid on parts and labour to convert shuttle buses and passenger buses to operate as hybrid electric vehicles or to operate on HCNG (a blend of hydrogen and compressed natural gas). There is a maximum refund of \$5,000 for each shuttle bus conversion and \$10,000 for each passenger bus conversion.

The refund applies to all parts required for the vehicle to run as a hybrid electric vehicle or to operate on HCNG.

For hybrid electric conversions, this includes transmissions, electric motors, powercells and all related parts necessary for the conversion.

For HCNG conversions, this includes transmissions; cooling, intake, air and exhaust piping; filters; hoses; fans; power steering pumps or motors; belt guards; mufflers; and all related parts necessary for the conversion.

Tax applies to any parts that may be installed at the same time as the conversion, but are not related to the conversion. Tax also applies to repair or maintenance services provided after the conversion.

To claim a refund, complete the *Application for Refund of Social Service Tax or Hotel Room Tax* form (**FIN 413**). This form is available from the ministry or any Service BC-Government Agent office. You will also find it on our website at: www.sbr.gov.bc.ca/ctb/forms.htm

Include documentation with your refund request, such as invoices, that show payment of the tax and the date the tax was paid.

MOTOR FUEL TAX CONCESSIONS

The following motor fuel tax concessions are provided to encourage the development of cleaner and more environmentally friendly motor fuels. For the purposes of the motor fuel tax concessions, motor vehicles are vehicles designed to be self-propelled on land, including cars, trucks, vans, sport utility vehicles and other vehicles of this type.

Alcohol-Based Fuels and Natural Gas

Natural gas and alcohol-based fuels (blends of gasoline or diesel fuel and at least 85% ethanol or methanol) are exempt from motor fuel tax when purchased to propel a motor vehicle.

Propane

Propane purchased for use in operating a motor vehicle or operating a stationary engine is subject to tax under the *Motor Fuel Tax Act*. Effective March 1, 2003, the tax rate on propane is 2.7¢ per litre, resulting in a preferential tax rate for propane compared to gasoline and diesel fuel.

Ethanol and Biodiesel

As part of the 2004 Provincial Budget, the preferential treatment for alternative motor fuels was extended to include ethanol and biodiesel when blended with either clear gasoline or clear diesel fuel.

Effective July 1, 2004, ethanol and biodiesel are exempt from tax as follows:

- the ethanol portion (including denaturant) of a blend of ethanol and gasoline or diesel is exempt from tax if the ethanol portion is not less than **5%** or more than **25%**; **or**
- the biodiesel portion of a blend of biodiesel and diesel is exempt from tax if the biodiesel portion is not less than **5%** or more than **50%** of the volume of the blend.

NEED MORE INFO?

This bulletin is provided for convenience and guidance.

If you have any questions, call us at **604 660-4524** in Vancouver or call toll-free at **1 877 388-4440**, or e-mail your questions to CTBTaxQuestions@gov.bc.ca

Information is also on the web at www.gov.bc.ca/sbr While there, you can subscribe to our free electronic update service.

References: *Social Service Tax Act*, Sections 6, 20, 75(2) and 130(b.1) and Regulations 2.45(b), 3.20(l) and Division 11; *Motor Fuel Tax Act*, Sections 3.1, 9, and 10.1 and Regulations 51.1, 51.2 and 51.3