

HYBRID AND ELECTRIC VEHICLES

Support fleet conversions to hybrid vehicles through demonstration of leading technologies, including least 20 medium-duty hybrid trucks, hybrid industrial equipment and plug-in hybrids. Fleets will gain access to case studies of actual fleet experience to assist in purchasing decisions.

Green Fleets BC works to ensure that BC fleets have good information on the real-world performance of hybrid vehicles. The latest reports and case studies are available at www.hybridexperience.ca.

Green Fleets BC has seen great interest in electric and hybrid vehicles in British Columbia – and there is high demand for its workshops on hybrids. Fleets are now seeking medium-duty hybrid trucks and are requesting assistance from Green Fleets BC to bring these vehicles to British Columbia.

E3 FLEET RATING PROGRAM

Recognize green fleet performance through the E3 Fleet Rating System, resulting in at least 50 rated fleets in BC by 2010,

including the Government of BC fleet, by providing incentives for participation, and by supporting fleets in developing and implementing green fleet plans.

The E3 Fleet Rating program was launched in BC in late 2006 as North America's first green rating system for vehicle fleets. Developed by fleet managers for fleet managers, this program offers services and resources to assist progressive fleets increase fuel efficiency, reduce emissions, manage expenses, incorporate new technologies and use alternative fuels.

For fleets making a commitment to become carbon-neutral, E3 Fleet provides an emissions baseline, and identifies opportunities for emissions reduction. Fleets can then be recognized for their green performance at Bronze, Silver, Gold or Platinum levels, verified through third-party ratings.

In just this past year, participation in the E3 Fleet Rating Program has ramped up quickly, from 16 to 49 fleets across Canada, including the Province of BC and Ontario, many municipalities in BC, Ontario and Alberta, as well as a growing number of private sector fleets. ■

Fitting Solutions

Fleet owners and managers are faced with many decisions, such as choosing the best vehicles of a particular class, using the right vehicle for each job, adopting progressive engine technologies and evaluating use of low-emission fuels. Best management practices are also important, including good vehicle maintenance, careful route planning and sound driving practices.

The success of Green Fleets BC is dependent on working closely with fleets to identify opportunities and barriers, and helping them explore multiple strategies to drive down emissions. A key forum for dialogue is the Green Fleets BC Network – a place for owners and managers to share their experience and explore practical solutions.

PROGRAM FUNDING

Green Fleets BC is funded by the BC Ministry of Environment.

FRASER BASIN COUNCIL

The Fraser Basin Council is a non-profit organization that brings people together to advance sustainability in the Fraser River Basin and beyond. Our vision is social well-being, supported by a vibrant economy and sustained by a healthy environment.

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Fraser Basin Council



Find out more at www.greenfleets.ca

Driving Solutions
APRIL 2008

 **Green Fleets**
BRITISH COLUMBIA



The Road Ahead for Green Fleets BC

A SECTOR CHANGE BY 2010

Green Fleets BC expects to work with 140 more fleets – both large and small – to green up a projected 8,000 vehicles over the next two years. These fleets will demonstrate ways to reduce emissions by as much as 25%.

As a direct result of the program, we expect reductions of over 300 tonnes/year of smog-forming pollutants, as well 18,000 tonnes/year of greenhouse gases. These leadership initiatives are also designed to trigger broader market changes, resulting in over 200,000 tonnes/year of greenhouse gases and 900 tonnes/year of smog-forming pollutants.

The Bottom-Line Benefits of Greener Fleets

THE RESULTS SO FAR: GHGS DOWN 4,500 TONNES

Through Green Fleets BC and related initiatives, 66 fleets have made commitments to new emission reductions. Together these fleets manage approximately 6,000 vehicles. Here are the annual emissions reductions projected:

- 4,500 tonnes of greenhouse gases
- 28 tonnes of NOx
- 0.6 tonnes of PM 2.5

“The BC Trucking Association has been pleased to partner with the Fraser Basin Council on the Green Fleets BC program. As a result of this partnership, BC is the first province in Canada to roll out an EnviroTruck program to demonstrate that, with today’s technologies, the trucking sector can reduce greenhouse gases by up to 25% and tailpipe emissions by over 90%. We’re looking forward to working with our members to ramp up this program over the next two years.”

— Paul Landry, President & CEO, BC Trucking Association

Up to 40% of greenhouse gas and other harmful emissions come from transportation – including on-road fleets. The good news is that today’s fleet vehicles can run cleaner and more efficiently, even under demanding conditions. And it’s to everyone’s benefit.

Green Fleets BC is a program of the Fraser Basin Council, in partnership with the BC Ministry of Environment. Our goal is clear – to achieve continuous improvement in energy efficiency and emissions reduction in vehicle fleets of all kinds.

Green Fleets BC has secured multiple new commitments in the past year:

- 17 new fleets participating in the E3 Fleet Rating program
- 29 new fleets developing campaigns to reduce idling in their fleets through Idle-Free BC
- three fleets participating in a new EnviroTruck program, demonstrating the emissions reductions and cost-savings possible through advanced long-haul and urban trucking technologies
- 23 new fleets demonstrating the use of biodiesel through the Biofleet initiative.

Fleets participating in Green Fleets BC are becoming leaders in emission reductions, and are ideally placed to influence others in both the public and private sector. The program is seeking new commitments, and monitoring these over the coming two years.

Here are the program goals in the two years ahead.

IDLE-FREE BC

Engage at least 70 new fleets in idling reduction programs through Idle Free BC – offering outreach tools and web resources, case studies and fleet recognition. To date, many fleets have been able to cut emissions by 5 – 15% by reducing unnecessary idling.

Idle-Free BC builds awareness among fleets and the public about the economic, environmental and health costs of idling, and supports them in implementing their own idling reduction programs. The program shows fleets how to reduce unnecessary idling with minimal impact on day-to-day operations. Idling reduction is often a simple first step for fleets – one that leads to further actions and emissions reductions.

Over 80 fleets and communities are now part of Idle-Free BC.

ENVIROTRUCK

Expand the EnviroTruck program by at least 10 new fleets, and put 100 highly efficient units (trucks and/or trailers) on the road. These can reduce GHG emissions and costs by 15 to 20% over traditional models. The emissions reductions from each participating truck and trailer unit is equivalent to taking 10 to 15 cars off the road.

Green Fleets BC is working with the BC Trucking Association to help BC trucking companies save money, improve worker health and decrease smog and greenhouse gas emissions. There are now 11 EnviroTrucks across three fleets rolling out through Green Fleets BC. These trucks will ground-test the benefits and barriers of a variety of available emission reduction technologies. These include tractor and trailer aerodynamics, low-rolling resistance tires and auxiliary power units (APUs). The results of these experiences will be shared through trade publications as well as the Green Fleets BC website.

The next step will be to plan a wide-scale market uptake of emission reduction technologies in the BC trucking industry

“We are extremely pleased that the BC Ministry of Environment, in conjunction with the BCTA and the Fraser Basin Council, have stepped up to provide incentives for transportation companies to become more environmentally responsible. This follows in lock-step with our commitment to be a leader when it comes to providing ‘green’ transportation solutions to our current and future customers.”

— Don Coe, President, Glennco Transport

ALTERNATIVE FUELS

Work with at least 40 new fleets on use of biodiesel, begin work with the marine sector, and support efforts to assess and increase the sustainability of biodiesel.

Green Fleets BC offers fleet managers in-depth, objective information on alternative fuels, plus practical tools, such as an online look-up of retail and cardlock stations: see the Green Fuels map at www.greenfleets.ca. Through the BioFleet program, Green Fleets BC provides information and tools to allow fleets to demonstrate the use of biodiesel. Green Fleets BC is also seeking opportunities for pilot demonstrations of second-generation biodiesel feedstocks from non-food-related sources.

Recognizing that leaders in many sectors are examining the sustainability of biodiesel, the Fraser Basin Council has commissioned a paper summarizing the best available information on the social, environmental and economic impacts and benefits of biodiesel use in British Columbia. ▶

