

Environmental Activities of Fleet Services Division

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Major Environmental Acti

- **Green Fleet Transition Plan 2004-2007**
 - City's first efforts to green the fleet
 - Purpose: reduce fuel use, emissions of CO₂ and smog pollutants & reduce environmental impact of the City's vehicle operations
- **By December 31, 2007:**
 - 283 green vehicles in the City's fleet
 - Idle-Free Policy & 10-second rule for staff
 - Four cleaner fuel programs – ethanol, biodiesel, natural gas & on-road diesel for off-road use
- Reduced CO₂ emissions by an estimated 5,000 tonnes (4%) compared to conventional activities on a lifecycle basis.



Major Environmental Acti

- **Green Fleet Plan 2008-2011**
 - Climate Change, Clean Air & Sustainable Energy Plan rec. #9e
 - Adopted unanimously by Council March 2008
 - 38 actions on emission-reduction targets, vehicles, fuel, sustainable choices, maintenance & management practices
 - Adopts the City's CO₂ and smog pollutant targets for the fleet
- Expect to reduce CO₂ emissions by an estimated 15,000 tonnes (11%) compared to conventional activities on a lifecycle basis.
- Anticipate a net cost savings of \$2.032 million over four years, including fuel cost savings.



Major Environmental Acti

- **Green Fleet Plan Action #3: Replace 80 vehicles in 2008 with green vehicles**
- Fleet Services' Green Fleet Fund pays the incremental cost for a Division to purchase a green vehicle
- To date ordering 108 green vehicles for delivery in 2008:
 - 3 Toyota Prius
 - 38 hybrid Honda Civics
 - 40 hybrid Ford Escapes
 - 3 hybrid aerial tower bucket trucks
 - 24 regenerative-air street sweepers
- On track to surpass objective of 80 green vehicles in 2008

Major Environmental Ac



- **Green Fleet Plan Action #20: Promote the City's Idle-Free Policy & ten-second idling rule for staff**
- Policy introduced June 2007 requires staff to shut off vehicle if idling for more than ten seconds. 2008 activities:
 - Events for staff at yards
 - Work with Divisions to find solutions that meet their needs
 - Undertake Idle-Free pilot project & report to Government Management Committee September 2008
- The goal is to reach all Divisions & reduce



Major Environmental Acti

- **Green Fleet Plan Action #8: Evaluate biofuels to determine which products & feedstocks provide the greatest environmental benefits on a life-cycle basis, including land use**
- **Green Fleet Plan Action #12: Use clean sources of energy for vehicles**
 - City currently using ethanol from corn in gasoline & biodiesel from soy in diesel in low concentrations
 - Focus use on sustainable fuels & feedstocks
 - Report on environmental lifecycle of ethanol & hybrids to Sept. 2008 Government Management Committee
 - CO₂ and cost impacts will depend on findings



Other Environmental Acti

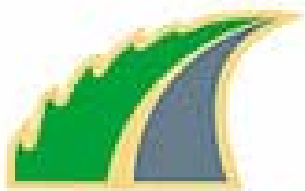
- **Green Fleet Plan Action #16 a: Provide technical support to TTC, Fire, Police & EMS in developing & implementing their green fleet plans**
 - Climate Change, Clean Air & Sustainable Energy Plan rec. #9f
 - Fleets regularly work together on similar issues through the Executive Fleet Management Coordinating Committee
 - Providing technical assistance & Toronto's Green Fleet Plan 2008-2011 as a resource
 - Co-ordinating development of the plan for these



Other Environmental Acti

- **Green Fleet Plan Action #14: Host the third Annual Green Fleet Expo**
 - One-day event where private & public fleet managers from across Canada can learn about green fleet practices & test-drive green vehicles
 - Hosted by Cities of Toronto & Hamilton
 - May 27th at Black Creek Pioneer Village, Toronto

www.toronto.ca/fleet to register



GREENFLEETEXPO



Future Environmental Activ



Three deliverables in 2008:

1. Implement the Idle-Free campaign & ten-second rule for staff;
2. Purchase 80 green vehicles in 2008; and
3. Pilot test light-, medium- & heavy-duty green trucks, share results with Canadian fleet managers & incorporate successful vehicles into the City's fleet.