



Hamilton

**Green Fleet Implementation  
Plan 2006-2008**

# Situation



- Dr. Brian McCarry, Clean Air Hamilton: “There’s a direct link between the combustion of fossil fuels and health. If we fix local air quality, we’ll also fix most of the problems related to climate change.”
- CAH 2003-2004 report shows little progress in reducing key air pollutants including nitrogen dioxide, ground level ozone and fine particulate matter.
- Council has approved Triple Bottom Line approach to decision making.



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# Situation (continued)



- Kyoto Protocol on climate change became effective Feb. 16 2005.
- Federal government announced its plan to achieve Canada's Kyoto target in April.
- City of Hamilton operates 1,500 motor vehicles
- Central Fleet and Transit fuel budget \$8.0 million
- Fleet is a significant source of air pollution and greenhouse gas emissions: 34,000 tonnes of CO<sub>2</sub> per year.



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# Council's Commitments



- VISION 2020: to ensure the City has the best air quality of any major urban area in Ontario, and to reduce greenhouse gas emissions 20% from 1990 levels.
- Transportation Master Plan: reduce the impacts of motorized travel by promoting more fuel-efficient and lower emission vehicles, starting with the municipal fleet.



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# Commitments



- Roadmap to Sustainability: develop a plan for a more environmentally friendly fleet.
- Mission, Vision, Values and Goals: a great City in which to live; a healthy, safe and green City; a City that spends wisely and invests strategically.



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# Strategy



- Reduce emissions from fleet that impact health and environment.
- Signal an interest in “green fleet”
- Become a recognized leader
- Take effective action on our own plans and triple bottom line commitment.



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# Tactics



- 3-year plan 2006-2008
- 46 hybrids for light-duty fleet
- 10% biodiesel blend for heavy duty fleet and buses.
- No idling policy for all City vehicles.
- Environmental management system (ISO) for Central Fleet.



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# Benefits



- eCO<sub>2</sub> reductions between 4,000 and 6,000 tonnes over 3 years
- Fuel cost saving from hybrids \$220,000 over 8 years.
- Most of the operating cost increase can be recovered if the idling policy is effectively enforced.



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# Cost/Benefits



## Summary: 2006-2008

Capital budget impact	\$236,000
Operating budget impact	(\$ 18,000)
Incremental cost	\$218,000



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# Strategic Benefit

- Fulfill air quality and TBL goals in VISION 2020, Roadmap to Sustainability and Transportation Master Plan.
- Demonstrate City's leadership to provincial and federal levels.
- Spur clean vehicle development.



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# Questions

This is our 15<sup>th</sup> hybrid purchased and our first hybrid truck, a 2005 Chevrolet.



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