

Lisa Hatina
January 20, 2011

Enviro-Fleets: Greening the Municipal Heavy-Duty Fleet



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Green Municipal Fund
Fonds municipal vert

Enviro-Fleets

Federation of Canadian Municipalities (FCM)

- **National voice of municipalities since 1901**
- **Represent interests of municipalities on policy and program matters within federal jurisdiction**
- **1800 members**
 - Canada's largest cities
 - Small urban and rural communities
 - 18 provincial and territorial municipal associations



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Enviro-Fleets Project

- Funded by Environment Canada up until March 31, 2011
- Aims to help municipal fleet managers green their fleets
- Delivered under FCM's Partners for Climate Protection (PCP) program



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Enviro-Fleets Project Goal

Reduce GHGs and CACs from heavy-duty vehicles

- Fleets usually 3-5% of municipal emissions (up to 20%, e.g. Edmonton)
- 23% of all transportation emissions are heavy-duty
- CACs → cancer, asthma and other health issues



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Reducing Fleet Emissions

Municipalities benefit

- **Lower operating costs**
- **Improved local air quality**
- **May support the local economy**
- **Shows leadership on environmental issues**
- **Helps meet municipal environmental goals**



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Enviro-Fleets Resources

Partners
for Climate
Protection

Enviro-fleets: reducing emissions
from municipal heavy-duty
vehicles

A guide to helpful resources
June 2010




FCM | Federation of
Canadian Municipalities

Partners for
Climate Protection

Enviro-Fleets:
Reducing municipal
heavy-duty vehicle
emissions

A guide to best practices
November 2010



FCM | Federation of Canadian
Municipalities | Fédération
canadienne des
municipalités



Enviro-Fleets Workshops

- London, ON: November 16, 2010
- Coquitlam, BC: December 8, 2010
- ~35 participants
- Pointe Claire, QC: February 23, 2011
- Presentations by academic, non-profit, consultant, for-profit, and other muni fleet managers
- Group exercises



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Expert Speakers

- Software and monitoring programs to improve fleet performance
- Fleet management strategies and successes
- Asset management and economic lifespan
- Best practices and resources available to fleet managers
- Biodiesel use in fleet vehicles
- Software modelling programs to develop green fleet plans
- Simulator usage to develop operators skills



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Enviro-Fleets Workshop: Vancouver

SOLUTIONS FOR BASELINING

- E3 Review
- IT department
- Fleet program for data
- Finance
- OEM's
- End users
- Drivers, mechanics
- Environmental departments/sustainability dept.
- Peers



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SOLUTIONS FOR TECHNOLOGY VERIFICATION

- 3rd party verifier
- Pilot projects
- Manufacturers
- Experience of other districts and municipalities



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SOLUTIONS FOR RESISTANCE TO CHANGE

- Senior management
- Council
- Champion
- Early adopters
- Communications
- Finance
- Leadership
- Accountability (performance)



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SOLUTIONS FOR COST

- All levels of government
- Pilot projects
- Group purchasing
- OEM initiatives (for early adopters)
- Verifiable cost estimates
- Fleet reserves
- Co-marketing (ie. health)
- Social marketing
- Funding agencies (GMF)



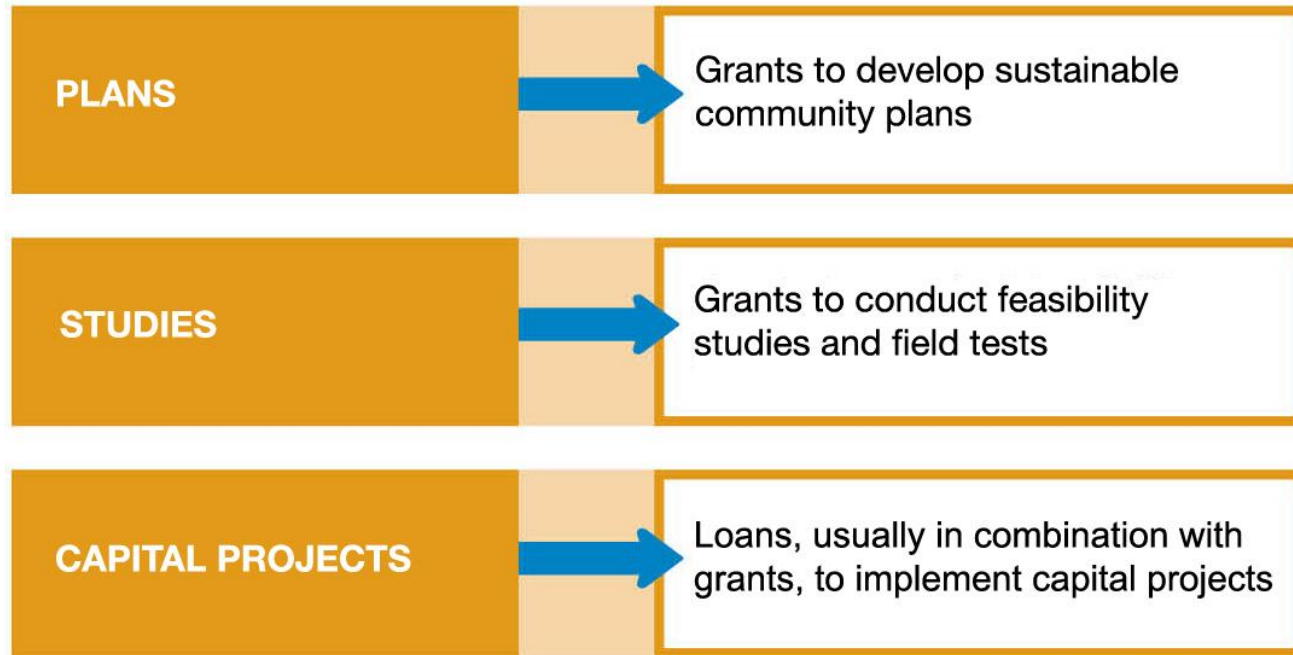
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SUSTAINABLE COMMUNITY ACTIVITIES

GMF FUNDING STREAMS



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Eligible transportation projects

Reduced fossil fuel consumption and emissions

- Modal shift
- Improved fleet fuel efficiency
- Fleet fuel switching



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Capital project opportunities

- Broad eligibility
- Loan maximum of \$10 million* and
- Grant amount set at 20% of loan (maximum \$1million)
- Granting up to \$12 million annually
- No grant penalties
- Single online form with self-screening questionnaire



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