

NBEIA

Buy Green Expo 2011



City of Fredericton's Green Efforts



How did we get started?

3 primary ingredients.....

- Existing policies & practices
- The seeds of a "green" culture
- A target!!



The Target

FCM - Partners for Climate Protection in 2000

Fredericton Commitments

↓ corporate GHG's by 20%

↓ community GHG's by 6%



Develop
local action
plan

The Target

Corporate Activities

- Buildings
- Fleet
- Operations

Community

- Outreach Programs



Implement
local action
plan or
activities

Fostering a Green Culture

A team approach

- Senior management led, with commitment from employees across all departments
- Employee education and awareness about energy consumption practices
- Commitments by external service providers



Implement
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Green Specifics – Buildings

Energy related

- Design services - Fredericton Convention Centre – LEED design
- Geothermal technologies - Grant Harvey Centre at ScotiaBank Park South
- Lighting – energy efficient lighting retrofits
- Control systems - lighting & heating
- Natural gas – heating and high efficiency appliances
- High R-value products - windows, exterior doors and roof insulation when buildings require retrofits
- HVAC products & services - high efficiency HVAC, heat pumps and preventative maintenance on systems
- Solar and Heat recovery (Fire stations solar panels, LBR ammonia recovery)

Conservation Measures – low flow fixtures



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Green Specifics – Operations

Fleet

- Fuel efficiency - replace aging vehicles with new fuel efficient models & Bio-fuel additives
- Vehicle size - reduction in the sizes of vehicles and trucks
- Awareness - Anti-idling program
 - Reducing warm up time and installing LED vehicle warning lights on police cars and City heavy equipment

IT related - recycling “Computers for Schools” & printer cartridges



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Green Specifics – Operations

Engineering & Public Works

- Lighting (LED traffic lights, street light rationalization & LED pilot)
- Warm mix asphalt
- Replacement of equipment for energy efficiency
 - Pumping and well station upgrades, lighting & heating
- Design – separate sanitary & storm water systems
- On-going initiatives..... part of the culture



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Green Specifics – Operations

Purchasing policy evolution

- Specific policy directives in 2009
- Specific scoring criteria on green elements
- Some flexibility on specs if “locally sourced”
- Green requirements for product provision (cleaning chemicals, paints, paper (FSC))



Monitor
progress and
reporting
results

Our Success

Between 2000 and 2008, the City of Fredericton has reduced emissions in municipal operations by:

17%!!



Monitor
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reporting
results

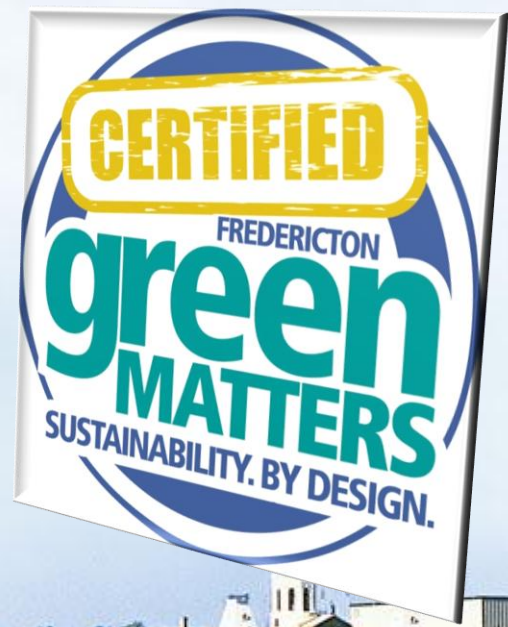
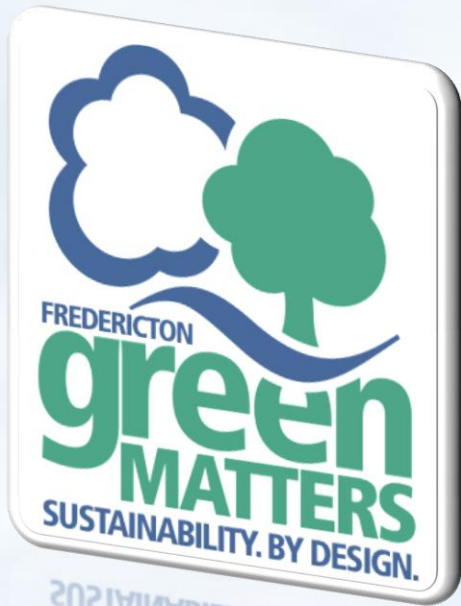
Challenges

- Education: Short term vs. long term
- Financial hurdles and long-term planning
- Demand & Supply



Community Outreach

Implement local action plan or activities



Implement
local action
plan or
activities

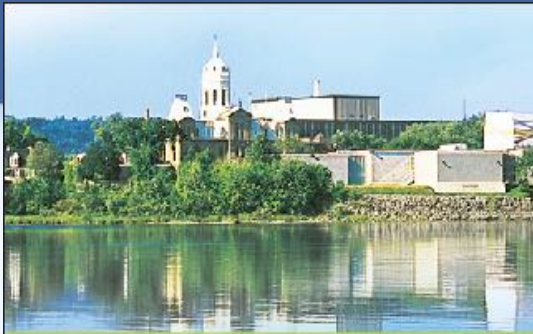
Community Outreach



New
Nouveau  Brunswick

Your Environmental Trust Fund at Work
Votre Fonds en fiducie pour l'environnement au travail

Implement
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activities



Fredericton to Kyoto. Together

You are invited to the launch of
the *Green Matters* Campaign

Fredericton's Greenhouse Gas (GHG)
Reduction Strategy

Wednesday, June 13th
City Hall (in front of building)
12:00pm to 1:30pm
Rain location: City Hall Council Chamber

Fredericton's environmental initiatives have earned provincial and national awards. Now we've set our sights on being the first city in Canada to meet Kyoto greenhouse gas emission reduction targets.

Our Goal? Reduce community GHG emissions by 6% by 2010.

Come and browse our informative displays to find out how you can help at home, at work, at school, and on the road.

Make a difference. Join Fredericton's Green Revolution.

Free seedlings, a free compact fluorescent light bulb, prizes, BBQ, and more...



greenmattersfredericton.com



THE DAILY CLEANER

What is Green Matters?

Our community
engagement tool

**Sustainability &
Environmental
Education**

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activities

Public Events & Partnerships

- Earth Hour
- Earth Day
- Environment week
- Media
- Brochures
- Essay Contest



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Green Shops

- Reduce Fredericton's environmental impact by supporting, promoting and rewarding environmental stewardship within the business community.
- Select actionable items
- Make the change
- Keep records

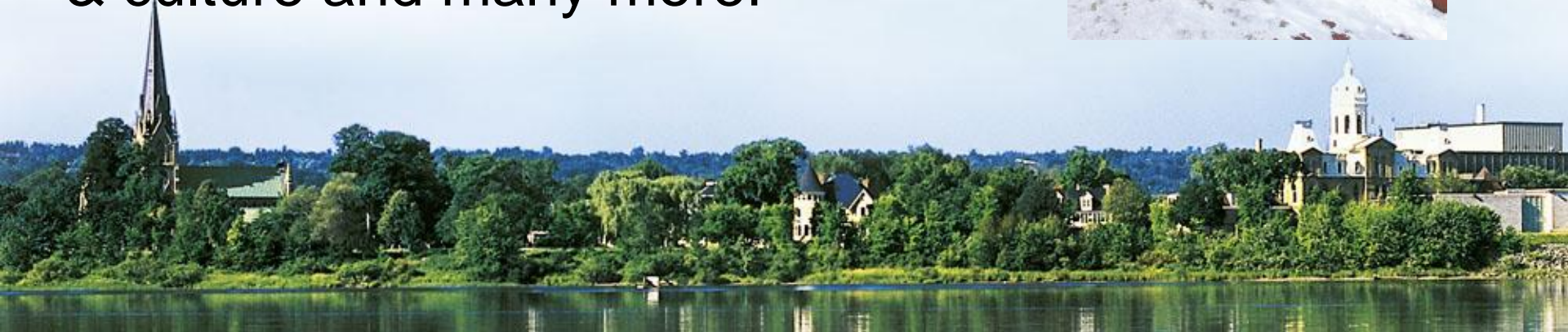


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Member Businesses

7 participants in 2008 and 75 members to date and growing!

Includes retail, health & wellness, beauty, recreation, accommodations, food & beverage, transportation, arts & culture and many more!



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results

Our Success

Between 2000 and 2009, the City of Fredericton's population grew by 14%

But community emissions decreased by:

12% per capita!!



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Sustainability By Design

