



City of Fredericton Community Energy Planning

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Agenda Items

- Introduction
- Community Engagement: Green Matters
- Partners for Climate Protection
- Current State
- Moving Forward
- Brief Summary
- Q &A

Community Engagement



- Green Matters
 - Commuter Challenge (over 1300 tonnes CO₂ avoided)
 - 20 businesses and 143 participants
 - Placed 3rd nationally for cities our size
 - Clean Up Fred
 - Essay Contest (8 years running)
 - School aged children submit essays for cash prizes
 - Earth Hour
 - Regent Mall, Science East, RASC, and City Facilities
 - Green Shops
 - Encourages 120 businesses to reduce footprints

Partners of Climate Protection (PCP)

- Achieved 1st to Kyoto in 2010
- Commitment ended 2010
- Continued tracking until 2012
- Included all utilities and fuel for Corporate
- Best possible estimates on private vehicles
- Engaged utilities to obtain best estimates for public

Current State

- Building Instantaneous energy monitoring network
- Developing load shedding sequences
- Monthly reporting on energy performance
- Normalized baseline for monthly utility consumption
- City-wide energy management network for monitoring and re-commissioning
- Equipment replacements
- Preventative maintenance programs (controls and HVAC)
- Pursuing further energy recovery measures

Moving Forward.....



- Utilizing facility master plan to ID inefficient equipment
- Implementing solar air pre-heating
- Investigating photovoltaics
- Investigating small hydro
- Implementing energy storage in conjunction with renewables
- Developing GHG reporting
- Tracking energy savings from renewable projects and energy efficiency measures

In Summary

- Green Matters: Community Engagement
- Partners for Climate Protection: Past Reporting
- Current State: Measures currently being taken
- Moving Forward: Plans and opportunities being looked at

Discussion.....

Questions?

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