City of Fredericton
Community Energy Planning

Prepared by the Jeff Wilhelm, Building Services
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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 CO$_2$ avoided)
    - 20 businesses and 143 participants
    - Placed 3$^{rd}$ 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
• 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?

jeff.wilhelm@fredericton.ca