



ONTARIO POWER AUTHORITY

CAGBC  
Meeting, June  
18, 2010



## Ontario Power Authority Municipal Policy Support Project

# Outline

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- What is the OPA interest in Sustainable Communities
- Municipal Policy development support
- Local Improvement Charge community of practice
- OPA Sustainable communities program development

# QUEST Vision

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- By 2050 every community in Canada is operating as an integrated energy system, and accordingly, all community development and redevelopment incorporates an integrated energy system.
  - Encouraging mixed-use higher density urban development;
  - Reducing the energy input required for a given level of service;
  - Matching the type of energy with its use;
  - Managing surplus heat across applications and sectors;
  - Converting waste to energy;
  - Integrating on-site renewable sources of energy;
  - Optimize use of grid energy and as a resource to optimize the overall system and ensure reliability.

## Value to the OPA

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- OPA focus on broader sustainability, not just electricity system reliability.
  - Identify incremental conservation and renewable opportunities to meet targets
  - Support development of municipal tools that can contribute to market transformation
  - Leverage local democracy to facilitate energy planning and implementation

# Policy Support

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- Municipalities have powerful tools to drive conservation and ICES
  - In 2010, co-funding to four communities to develop policy
    - City of Toronto
    - City of London
    - City of Guelph
    - Town of East Gwillimbury
  - Established a community of practice to share insights and exchange ideas. Webinars held on
    - January 2010
    - June 2010
- \* Presentations are available from these

# City of Toronto - Financing

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- Investigating financing tools
- Looking at two options
  - Loan based on local improvement charges
  - Grant in conjunction with utilities
- Expect to go to new council after the election
- Issues:
  - Can LICs be used for energy efficiency? If an amendment is needed, can it be achieved?
  - How to secure the financing? Will banks be willing to put forward the necessary funds?
- Supported by consultant, Sonja Persram

## City of London - Grants

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- Exploring the use of community improvement plans and other tools to create grants for energy efficiency and renewable power generation
- Retained consultants to support work
- First phase, best practices report, is complete
- Next phase is consultation, followed by an option paper
- End goal is pilot projects

# City of Guelph – Energy Density Targets

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1. Assess the integration of the City’s CEP into the routine subsequent processes of secondary planning, zoning by-laws, development application process, inspections, administration, skills/training etc.
  2. Assess the market implications of moving from “recommended” to the more prescriptive “thou shalt” when setting energy performance targets.
  3. In light of the above and understanding the 2031 targets inherent in the CEP, determine the ramp-in of potentially and increasingly prescriptive energy performance compliance requirements in subsequent 5-year OP Update cycles
- Retained the CUI to assist

## Town of East Gwillimbury – Renewable Requirement

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- Exploring the possibility of including a renewable requirement for all new construction
- Retained consultant Peter Love to assist
- Building on the UK Merton Rule
- Project phases:
  - Research energy alternatives
  - Provincial and local regulatory regime
  - Stakeholder consultation
  - Economic analysis
- First two phases underway

## Local Improvement Charge Community of Practice

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- Established with NRCan and town of Schelt, BC to share experience and ideas across Canada.
  - One in person meeting, followed by four teleconference.  
Next meeting scheduled for June 30
- Members include:
  - City of Vancouver
  - City of Toronto
  - City of Ottawa
  - City of London
  - AMO
  - Pembina
  - Community Energy Association
  - BC Hydro
  - Climate Change Central, Alberta

# Next Step: Sustainable Community Program Design

*Concept, not yet approved:*

