

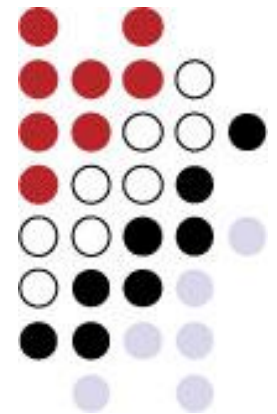
# Regulation 397/11 Overview

## New Energy Planning Requirements



LAS / Natural Resources Canada  
2012 Energy Planning Workshops

Scott Vokey



LAS is a wholly-owned subsidiary company  
of the Association of Municipalities of Ontario

# What is LAS?



- Our objective is to help you:
  - *Save Money, Make Money, and Build Capacity*
- A wholly-owned subsidiary of the Association of Municipalities of Ontario (AMO)
- Financial return to AMO



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of the Association of Municipalities of Ontario



# LAS Programs and Services



- Electricity
- Natural Gas
- EPT
- EMT
- Solar
- Fuel
- Group Benefits
- Insurance
- Risk Management
- One Investment
- CDM Resources  
(Audit++, Benchmark, Toolbox)



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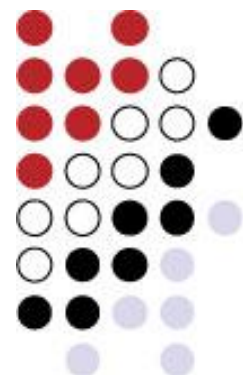
# Energy Planning—Price Impacts



## Ontario's Long-Term Energy Plan



- Municipalities should plan for 2.7—3.4% annual increase for each of next 20 years
- Est. before Fukushima & Drummond



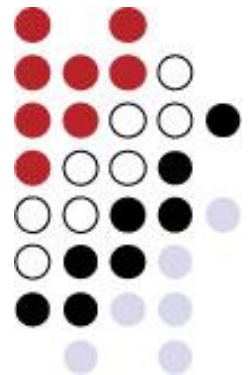
Building Our Clean Energy Future



# Energy Planning Regulatory Requirement



- Energy Conservation and Demand Management Plans (Reg 397/11) Regulation under *Green Energy Act* requires:
  - The first report due July 1, 2013: Energy Consumption and GHG Emission Template.
  - The second report due on July 1, 2014 energy conservation and demand management plans.



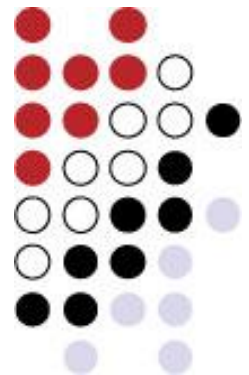
# Regulatory Requirement—GEA



- Phased reporting requirements to allow municipalities to develop capacity

## Phase One

- Energy consumption and GHG emissions for the following municipally owned and operated facilities:
  - offices
  - libraries, arts and culture facilities;
  - emergency medical services, fire, police;
  - community centre, arena, indoor pool, multi-use recreation complex;
  - public works/transit garage; and
  - water pumping and water treatment\*\*



# Regulatory Requirement—GEA



## Phase One (continued)

- Applies to all facilities that are heated and cooled
- Municipalities could voluntarily add other facility types
- In addition to energy consumption municipalities would report on the size, age and use of their facilities (e.g., hours of use).
- Water/wastewater unique see Sec 5.3.8
- Report ***due July 1, 2013 using 2011 data***

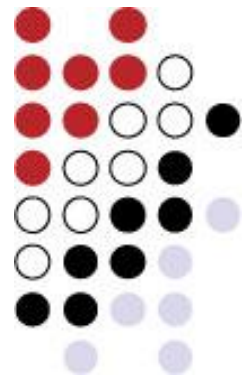


# Regulatory Requirement—GEA



## Phase Two

- Energy conservation plans posted by **July 1, 2014**
  - Updated consumption information
  - CDM goals and objectives
  - Cost/savings estimates for proposed measures
  - Description of any renewable energy used
  - 5 Year Plans, to be approved by Council



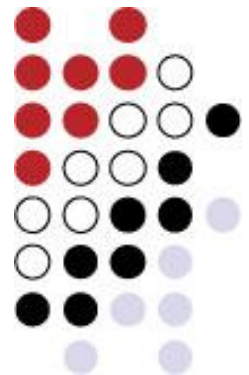


# EPT

## *The Energy Planning Tool*



**EPT – The Energy Planning Tool** is a web-based application that allows Ontario municipalities to generate Reg 397 compliant reports and plans.



✓ **We will demo the EPT later today**





# End Product: Annual Report

## Energy Consumption and GHG Emissions

Facility Name	Address	Built	Total Area (m2)	Hours/Day	Fuel Types	Consumption	Emission Factor	Energy (ekWh/yr)	GHG Emissions (tonnes CO2e/yr)	GHG Intensity (tonnes CO2e/m2)	Energy Intensity (ekWh/m2)
Facility Primary Type: Long-Term Care											
55 Plus Centre	564 Road		10500		NG	293882 m <sup>3</sup>	1.86	3026984.60	546620.52	288.28	52.06
					Electricity	85656 kWh	0.21	65656.00	13787.76	6.25	1.31
Grand Total:								3092640.60	560408.28	294.54	53.37

Fulfill Ministry of Energy's Requirement for the following in your annual report:

- Address, total floor area, hours of use and type of operation
- Amount of energy used by type
- Amount of greenhouse gases emitted with respect to types of energy purchased and consumed per facility



# End Product: Strategic Plan

## Energy Management Plan

Township of Douro-Dummer

2011-09-22

### Commitment

- *Declaration of Commitment:* Test 123  
*See Reference Document: Resolution.doc*
- *Vision :* We exercise stewardship in our use of finite energy resources in order to demonstrate leadership, optimize our delivery of services, and enhance the overall quality of life in our community.
- *Policy:* We will incorporate energy efficiency into all areas of our activity including our organizational and human resources management procedures, procurement practices, financial management and investment decisions, and facility operations and maintenance.
- *Goals:* To continuously improve the energy efficiency of our facilities by utilizing best practices (management/policy, technical, organizational), in order to reduce our operating costs, energy consumption and the reduction of greenhouse gas emissions. We will seek opportunities to reduce fossil fuel use by utilizing any renewable energy sources available.
- *Overall Target:* 1. Initial target for 2014, before end of council term (XX% reduction in consumption from baseline year, 2008) 2. Longer term target of 2018 to align with another council term
- *Objectives:*
- *Stakeholder Needs:* Internal stakeholders (Council, committees of council, CAO, staff) need to be able to clearly communicate the corporate commitment to energy efficiency, to maintain awareness of energy use and to develop the skills and knowledge required to implement energy management practices and measures.  
*See Reference Document: Corporate Energy Plan- notes.doc*
- *Our Municipal Energy Needs :* We need reliable, low-cost, sustainable energy sources delivering energy to the most efficient facilities and energy-consuming technology feasible  
*See Reference Document: Current Consumption.xls*

Fulfill requirement for the following in your energy plan:

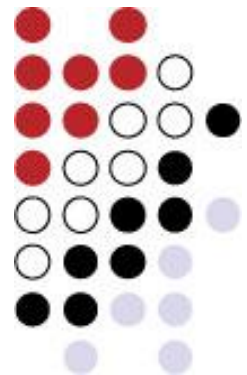
- Data from energy report(s)
- CDM goals and objectives
- Proposed CDM measures
- Confirmation of Council Approval

# EPT Now Available



- Annual subscription fee per municipality \$200/ year!
- Simply return a EOI Form to start the process

Edit Facility					
Name	<input type="text" value="Town Hall"/>				
Description	<input type="text"/>				
Address	<input type="text" value="123 Main Street"/>				
City	<input type="text" value="Pleasantville"/>				
Province	<input type="text" value="ON"/>				
Postal	<input type="text"/>				
Phone	<input type="text"/>				
Building #	<input type="text" value="1"/>				
Operations Contact	<input type="text" value="Scott Vokey"/>				
Energy Team Contact	<input type="text" value="Scott Vokey"/>				
Hours of Operation	<input type="text" value="M 12"/> <input type="text" value="T 12"/> <input type="text" value="W 12"/> <input type="text" value="T 12"/> <input type="text" value="F 12"/> <input type="text" value="S"/> <input type="text" value="S"/>				
Photo (JPG Only):	<input type="text"/> <input type="button" value="Browse..."/>				
<b>Asset Composition</b>					
280 (m <sup>2</sup> ) Town Hall <input type="button" value="DELETE"/>					
Add Type	<input type="text"/> (m <sup>2</sup> )				
Total Area (m <sup>2</sup> )	280				
Energy Types	(Check all that Apply)				
Energy Type	Budget Cost/yr	Budget Usage/yr	Budget eKwh	Target Reduction	eKwh Saved/yr
<input type="checkbox"/> Diesel	0	0	0.00	% over <input type="text"/> year(s)	0.00



# To Learn More...



## Contact:

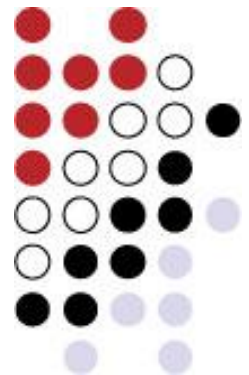
**Scott Vokey**

Energy Services Coordinator

416-971-9856 ext. 357

[svokey@amo.on.ca](mailto:svokey@amo.on.ca)

Or visit our website at: [www.LAS.on.ca](http://www.LAS.on.ca)



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