



	<h2>COMMITTEE OF THE WHOLE</h2>
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For meeting to be held on: June 11, 2013	Submitted by: James Gates Treasurer	For: Action
Subject: <h3>ENERGY CONSERVATION AND DEMAND MANAGEMENT PLANS O.REG. 397/11</h3>		

BACKGROUND

Under Ontario Regulations 397/11, every municipality, municipal service board, post-secondary educational institution, public hospital, and school board in Ontario will be required to prepare, publish, make available to the public, and implement an energy conservation and demand management (ECDM) plan.

The requirements are published in Ontario Regulation 397/11 – Energy Conservation and Demand Management Plans, under the Green Energy Act, 2009.

What is an ECDM Plan?

An ECDM plan is comprised of two parts:

1. A summary of the public agency’s annual energy consumption and greenhouse gas (GHG) emissions for its operations.
2. A description of previous, current and proposed measures for conserving and otherwise reducing the amount of energy consumed by the agency’s operations and for managing the agency’s demand for energy, including a forecast of the expected results of the current and proposed measures.

Deadlines for Compliance

July 1, 2013 (and each year after)

Annual report of energy consumption and greenhouse gas emissions.

July 1, 2014

Publishing of the agency’s goals and objectives for conserving and reducing energy consumption, proposed measures under the agency’s ECDM plan, cost and savings for its proposed measures, renewable energy generation, and confirmation that the plan has been approved by senior management. /2

**SUBJECT: ENERGY CONSERVATION AND DEMAND MANAGEMENT PLANS
O.REG. 397/11**

July 1, 2019 (every 5 years)

Publishing of the agency's current and proposed measures for energy conservation and a revised forecast of actual results achieved.

ANALYSIS

The regulation relates to any municipal buildings that are owned or leased that:

- Are heated or cooled and the municipality is responsible for the payment of energy costs,
- Are related to the treatment or pumping of water or sewage, whether or not the building or facility is heated or cooled, and the municipality is responsible for the payment of energy costs.

Does not apply to non-building structures or energy sources (i.e., street lighting, etc.)

For the County of Middlesex under this regulation we must report on the County building (399 Ridout North) and the Works Garages.

We do not report on 50 King as the Health Unit pays 100% of the energy costs and if required they would report. We do not report on the County's Library buildings that are owned by the local municipalities because we do not pay the energy costs. And we do not report on Strathmere Lodge as it is not required. In the education sessions they recommended that if your home for the aged was going to be retrofitted it would be a good idea to include it in to ensure you would meet your energy savings goal. Since Strathmere Lodge is a new building, it has not been included.

We will be reporting on the Ambulance Stations commencing in 2012 as the energy costs under the contract prior to April were not reported or paid for separately within the contract.

RECOMMENDATION

That the Annual Report of Energy Consumption and Greenhouse Gas Emissions be posted on our website.

Attachment

Press TAB to move to input areas. Press UP or DOW		Energy Consumption and Greenhouse Gas Emissions Reporting - for 2011	
Confirm consecutive 12-month period (month-year to month-year)	January 2011 to December 2011		
Type of Public Agency (Sector):	Municipal	Please fill in the mandatory fields indicated in red, in a	
Agency Sub-sector	Municipality		
Organization Name	County of Middlesex		
Operation Name	Operation Type	Address	City
<i>Gatsby Administration Centre</i>	<i>Administrative offices and related facilities, including municipal council chambers</i>	<i>512 Smithson Avenue</i>	<i>Toronto</i>
County Building	Administrative offices and related facilities, including municipal council chambers	399 Ridout Street North	London
Transportation - District 1 (Central Garage)	Storage facilities where equipment or vehicles are maintained, repaired or stored	1988 Gainsborough Road	London
Transportation - District 2	Storage facilities where equipment or vehicles are maintained, repaired or stored	560 Shaw Road	Dorchester
Transportation - District 3	Storage facilities where equipment or vehicles are maintained, repaired or stored	22681 Melbourne Road	Melbourne
Transportation - District 4	Storage facilities where equipment or vehicles are maintained, repaired or stored	1754 Elginfield Road	Parkhill
Transportation - District 4	Storage facilities where equipment or vehicles are maintained, repaired or stored	1786 Elginfield road	Parkhill
Transportation - District 6	Storage facilities where equipment or vehicles are maintained, repaired or stored	15294 Plover Mills Road	Bryanston
Transportation - District 9	Storage facilities where equipment or vehicles are maintained, repaired or stored	21906 Simpson Road	Glencoe

Press TAB to move to input areas. Press UP or DOW						
Confirm consecutive 12-month period (month-year to month-year)						
Type of Public Agency (Sector): in addition to submitting data on y						
Agency Sub-sector						
Organization Name						
Operation Name	Postal Code	Total Floor Area of the Indoor Space in which Operation is Conducted	Average # Hours Per Week	Energy Type and Amount Purchased and Consumed in Natural Units		
				Electricity	Natural Gas	
<i>Gatsby Administration Centre</i>	<i>M7A 2J1</i>	<i>361,280.00 Square feet</i>	<i>40</i>	<i>5,103,348.00000 kWh</i>	<i>410,325.00000 Cubic meter</i>	
County Building	N6A 2P1	57,492.00 Square feet	35	437,398.00000 kWh	16,961.00000 Cubic meter	
Transportation - District 1 (Central Garage)	N6H 4L2	21,183.38 Square feet	66	132,524.00000 kWh	45,477.00000 Cubic meter	
Transportation - District 2	N0L 1G4	8,928.00 Square feet	40	47,483.00000 kWh	14,374.00000 Cubic meter	
Transportation - District 3	N0L 1T0	9,152.00 Square feet	40	47,598.00000 kWh	12,216.00000 Cubic meter	
Transportation - District 4	N0M 2K0	9,152.00 Square feet	40	66,061.00000 kWh	10,189.00000 Cubic meter	
Transportation - District 4	N0M 2K0	4,050.00 Square feet	40	3,299.00000 kWh	0.00000 Cubic meter	
Transportation - District 6	N0M 2A0	3,844.00 Square feet	40	5,954.00000 kWh	7,398.00000 Cubic meter	
Transportation - District 9	N0L 1M0	3,842.00 Square feet	2	80,910.00000 kWh	0.00000 Cubic meter	

Press TAB to move to input areas. Press UP or DOW			
Confirm consecutive 12-month period (month-year to month-year)			
Type of Public Agency (Sector):			
Agency Sub-sector			
Organization Name			
		Total (These columns will calculate when file is Saved)	
Operation Name	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Comments
<i>Gatsby Administration Centre</i>			
<i>Click above cell to toggle units</i>			
County Building	67,058.76455	10.74333	
Transportation - District 1 (Central Garage)	96,581.96408	29.07201	
Transportation - District 2	30,974.51250	22.42906	
Transportation - District 3	26,903.73943	19.38668	
Transportation - District 4	24,548.47850	19.05020	Gas Heat
Transportation - District 4	263.92000	0.81457	Hydro Only - no water - no gas
Transportation - District 6	14,463.17855	22.00268	
Transportation - District 9	6,472.80000	21.05934	Electric Heat; storage