



Committee of the Whole

Meeting Date: June 30, 2015
Submitted by: James Gates, Treasurer
Subject: Energy Conservation and Demand Management Plans O'Reg 397/11

BACKGROUND:

Ontario Regulation 397/11, Energy Conservation and Demand Management Plans, requires all broader public sector (BPS) organizations, including hospitals, municipalities, universities, colleges, school boards and municipal service boards responsible for water and sewage treatment and pumping operations to:

- Report on their annual energy use and greenhouse gas (GHG) emissions in designated buildings/facilities by July 1 beginning in 2013; and
- Develop and implement 5-year energy conservation and demand management plan (CDM) by July 1, 2014

This year BPS organizations are required to report their 2013 energy consumption data by July 1, 2015.

- Energy consumption data is to be submitted to the ministry and made publicly available on the organization's website and intranet site and be available in printed form at their head office.
- CDM plans are to be made publicly available on their website and intranet site, and be available in printed form at their head office. While BPS organizations are not required to submit their CDM plans to the ministry, the portal includes an area for BPS organizations to indicate that their plan has been completed and to provide a link to it on their BPS organization's website.

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.

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.

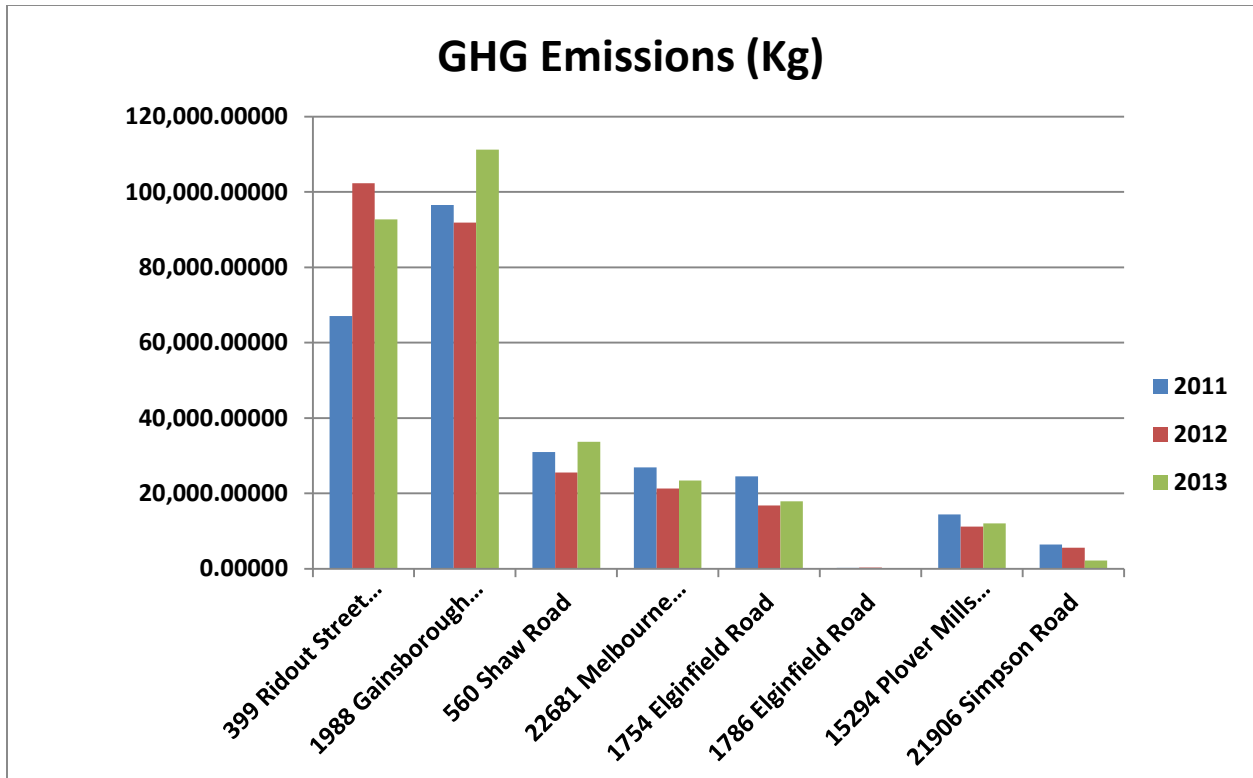
This does not apply to non-building structures or energy sources (i.e., street lighting, etc.)

For the County of Middlesex under this regulation we must report on the County building (399 Ridout North) Ambulance Stations (April 2012) 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; and 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. We also 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.

RECOMMENDATION:

That the Energy Consumption and Greenhouse Gas Emissions report for 2013 be posted on our website.



Energy Consumption and Greenhouse Gas Emissions Reporting - for 2013

Confirm consecutive 12-mth period (mth-yr to mth-yr)
 Jan/2013 - Dec/2013
 Sector: Municipality
 Agency Sub-sector: Municipal
 Organization Name: County of Middlesex

Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Annual Flow (Mega Litres)	Electricity		Natural Gas		Total (calculated)	
									Quantity	Unit	Quantity	Unit	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
County Building	Administrative offices and related facilities, including municipal council chambers	399 Ridout Street North	London	N6A 2P1	57,492.00	Square feet	35	0.00000	722,990.00000	kWh	19,974.00000	Cubic Meter	92,719.29958	16.26781
Station 1 - Waterloo - Headquarters	Ambulance stations and associated offices and facilities	340 Waterloo Street	London	N6B 2N6	16,100.00	Square feet	168	0.00000	170,000.00000	kWh	35,260.00000	Cubic Meter	79,585.54802	33.83450
Station 2 - Meg Drive	Ambulance stations and associated offices and facilities	45 Meg Drive	London	N6E 2V2	4,880.00	Square feet	168	0.00000	41,000.00000	kWh	21,997.00000	Cubic Meter	44,704.61412	56.30722
Station 3 - Oxford Street	Ambulance stations and associated offices and facilities	611 Oxford Street West	London	N6H 1T8	2,000.00	Square feet	168	0.00000	27,369.00000	kWh	5,016.00000	Cubic Meter	11,563.75746	40.33896
Station 4 - Trossacks	Ambulance stations and associated offices and facilities	1601 Trossacks Avenue	London	N5X 2G3	2,142.00	Square feet	168	0.00000	34,094.00000	kWh	6,642.00000	Cubic Meter	15,149.09766	48.87194
Station 6 - Glencoe	Ambulance stations and associated offices and facilities	147 McKellar Street	Glencoe	N0L 1M0	2,178.00	Square feet	168	0.00000	17,900.00000	kWh	2,923.00000	Cubic Meter	6,886.91752	22.48163
Station 7 - Strathroy	Ambulance stations and associated offices and facilities	61 Albert Street	Strathroy	N7G 1V4	2,742.00	Square feet	168	0.00000	7,411.00000	Cubic Meter	7,411.00000	Cubic Meter	14,011.43670	28.72445
Station 8 - Parkhill	Ambulance stations and associated offices and facilities	179 Mill Street	Parkhill	N0N 2K0	1,728.00	Square feet	168	0.00000	2,183.00000	Cubic Meter	2,183.00000	Cubic Meter	4,127.23874	13.42618
Station 9 - Lucan	Ambulance stations and associated offices and facilities	188 George Street	Lucan	N0M 2J0	2,940.00	Square feet	168	0.00000	22,515.00000	kWh	4,311.00000	Cubic Meter	9,861.90318	23.24195
Station 10 - Nilestown	Ambulance stations and associated offices and facilities	2024 Westchester Bourne	Nilestown	N6M 1H6	2,178.00	Square feet	168	0.00000	21,008.00000	kWh			1,596.86010	9.64555
Station 12 - Komoka	Ambulance stations and associated offices and facilities	22494 Komoka Road	London	N0L 1R0	2,568.00	Square feet	168	0.00000	20,712.00000	kWh	3,514.00000	Cubic Meter	8,218.02382	22.60826
Station 13 - Byron	Ambulance stations and associated offices and facilities	3100 Colonel Talbot Road	London	N6P 0B3	2,340.00	Square feet	168	0.00000	4,648.00000	kWh	3,882.00000	Cubic Meter	7,692.71779	19.61753
Station 14 - Hyde Park	Ambulance stations and associated offices and facilities	2225 Hyde Park Road	London	N6H 5K2	4,036.00	Square feet	168	0.00000	24,256.00000	kWh	7,964.00000	Cubic Meter	16,900.70050	26.98107
Transportation - District 1 (Central Garage)	Storage facilities where equipment or vehicles are maintained, repaired or stored	1988 Gainsborough Road	London	N6H 5L2	21,183.38	Square feet	66	0.00000	173,930.00000	kWh	51,850.00000	Cubic Meter	111,249.77711	34.22401
Transportation - District 2	Storage facilities where equipment or vehicles are maintained, repaired or stored	560 Shaw Road	Dorchester	N0L 1G4	9,500.00	Square feet	40	0.00000	43,153.00000	kWh	16,073.00000	Cubic Meter	33,668.19361	22.52350
Transportation - District 3	Storage facilities where equipment or vehicles are maintained, repaired or stored	22681 Melbourne Road	Melbourne	N0L 1T0	9,152.00	Square feet	40	0.00000	47,837.00000	kWh	10,464.00000	Cubic Meter	23,419.70697	17.37828
Transportation - District 4	Storage facilities where equipment or vehicles are maintained, repaired or stored	1786 Elginfield Road	Parkhill	N0M 2K0	4,050.00	Square feet	40	0.00000	1,735.00000	kWh			131.88082	0.42840
Transportation - District 4	Storage facilities where equipment or vehicles are maintained, repaired or stored	1754 Elginfield Road	Parkhill	N0M 2K0	9,152.00	Square feet	40	0.00000	10,889.00000	kWh	9,051.00000	Cubic Meter	17,939.75965	11.70029
Transportation - District 6	Storage facilities where equipment or vehicles are maintained, repaired or stored	15294 Plover Mills Road	Bryanston	N0M 2A0	2,500.00	Square feet	40	0.00000	8,722.00000	kWh	6,014.00000	Cubic Meter	12,033.20744	29.05498
Transportation - District 9	Storage facilities where equipment or vehicles are maintained, repaired or stored	21906 Simpson Road	Glencoe	N0L 1M0	3,842.00	Square feet	2	0.00000	28,662.00000	kWh			2,178.65594	7.46018