

# Local Energy Plans

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EcoPerth



**Preliminary information from Energy Conservation and Demand Management Plans** **October 1 2014**

eCO2 (tonnes)	Lanark County	Carleton Place	Mississippi Mills	Perth	Lanark Highlands	Beckwith	D/NE	Tay Valley	Montague	Total Lanark County	Smiths Falls
housing	1,192									1,192	
arena		258	284	118	67	212				939	145
Lanark Lodge	589									589	
sewage plant		224	191							415	817
works yards	89	32	69	24	91	17	47	39	18	426	155
indoor pool		264		132						396	
town hall	73	59	60	100	26	8	21	23	5	377	109
police/fire stations		52	59	56	46	20	18		25	275	12
water plant		116		67						183	386
community halls		16		1	27		23	14	12	93	340
pumping stations		19	61							80	
other	6	8	52	4						69	21
library		26	25		7					58	21
street lights		56								56	
daycare		52								52	
museum		19		15	1					35	9
pumping station		1		15						17	
traffic lights		13								13	
train station		11								11	
water tower		1								1	
<b>Total t CO2</b>	<b>1,949</b>	<b>1,216</b>	<b>800</b>	<b>531</b>	<b>266</b>	<b>257</b>	<b>109</b>	<b>76</b>	<b>61</b>	<b>5,277</b>	<b>2,016</b>
<b>Goals</b>	7% to 15% by 2018	5% by '25 (pop growth of 20%)	7% to 15% by 2018	no goals identified	no report	5% by 2018 (/sq ft), +3% by 2025	10%/sq ft by 2018 + 5% by 2025 (pop growth of 15%)	no overall goals identified	no goals identified		
<b>Plan</b>	Energy Management Team (no public)	education, LED street lights, electric vehicles	Energy Efficiency Team (no public)	some projects identified, overall plans yet to be developed			Team (public invited) education, LED lights, vehicles	tied in with Strategic Plan, with details yet to come			
<b>Area (km2)</b>	3,034	9	520	12	1,048	241	366	549	280	3,034	10
<b>Population</b>	65,667	9,809	12,385	5,840	5,128	6,986	7,487	5,571	3,483	65,667	8,978
<b>kg CO2 / capi</b>	<b>30</b>	<b>124</b>	<b>65</b>	<b>91</b>	<b>52</b>	<b>37</b>	<b>15</b>	<b>14</b>	<b>17</b>	<b>80</b>	<b>225</b>

## **Lanark County: ICSP** (Integrated Community Sustainability Plan) 2012

### Theme 11 Statement: Environment

Our community enhances its capacity to generate renewable energy and progressively improves its energy efficiency.

### Theme 9: Climate Change and Air Quality

Strategic Objective : Work together to make the reduction of greenhouse gases and air pollutants an objective when making choices and decisions in our County.

Requires Community Partner: County-led initiative with support from environmental partners, local economic development groups and local municipalities.

# L-CAN – Lanark Climate Action Network

Reps from 15 local Environmental/Community Groups and Businesses

*Specifically, we would like to see adoption of four recommendations:*

- 1. Establish a greenhouse gas sources and emissions inventory for both County operations and Lanark County as a whole and make this publicly available;**
- 2. Add consideration of the impact of ghg emissions for all decisions made at the County Council level as a one-line item on all reports and indicate whether ghg emissions can be expected to rise or fall as a result of a particular activity;**
- 3. Keep records of all such decisions and indications for purposes of future planning and to establish funding eligibility for funding opportunities;**
- 4. Establish a County Climate Advisory Committee drawing on local expertise to assist with ghg calculations, monitoring, and advising on ghg reductions opportunities/mitigation, and on health, business and environmental adaptation strategies.**

Shot Down Twice

# Town of Perth

## Climate Change Action Plan

Mayor's Task Force on  
Climate Change

### **Milestone 1**

Create a Baseline Emissions  
Inventory and Forecast



### **Milestone 2**

Set Emissions Reduction Targets



### **Milestone 3**

Develop a Local Action Plan



### **Milestone 4**

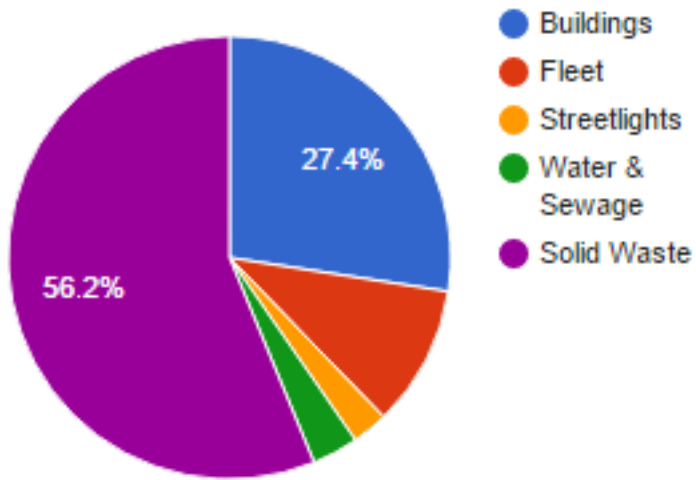
Implement the Local Action Plan



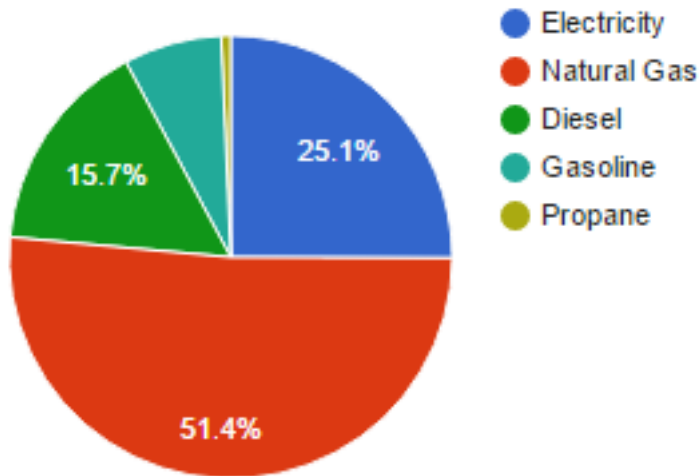
### **Milestone 5**

Monitor Progress and  
Report Results

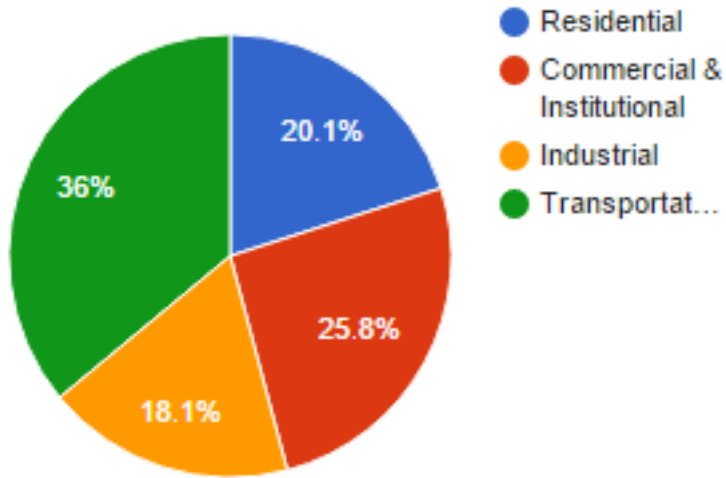




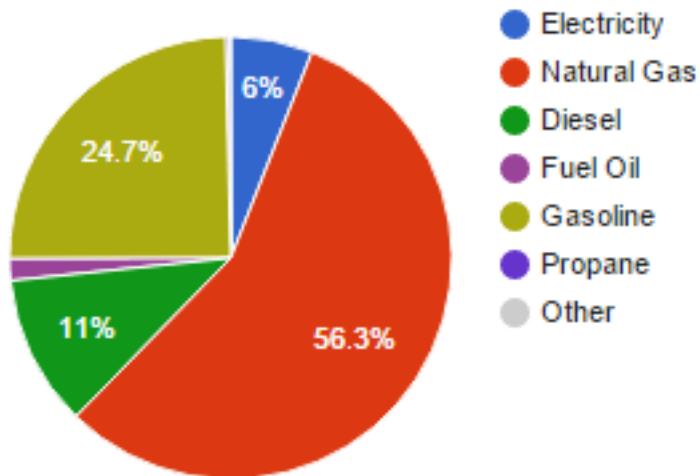
## Corporate GHG Emissions by Sector



## Corporate GHG Emissions by Source



## Community GHG Emissions by Sector



## Community GHG Emissions by Source



# Perth Corporate Actions

Renewable Energy Installation	Installation of renewable energy, such as rooftop solar or wind.	Director of Development and Protective Services
Revolving Fund	Energy savings (\$) from energy upgrades is directed towards this fund, which then allows for internal financing of future projects.	Director of Corporate Services
LEED Min. Construction Standard	Establish a Policy that any new building would need to meet a LEED standard, such as Gold or Platinum.	Director of Development and Protective Services
Solar Hot Water Heating	Installation of solar hot water technology on buildings where technically and financially feasible, such as for heating the water in the Town's pool	Director of Development and Protective Services
Public Conservation Education	Educate public on importance of water conservation and techniques available to the public	Director of Environmental Services
Builder Engagement	Encourage builders to adopt water efficient technologies at the time of construction	Director of Development and Protective Services

# Integrate Plan with Corporation

- Identify Specific Actions with description
- Priority Level & Year of Completion (2017 to 2022)
- Sectors engaged
- Responsible department/individual
- All reports to Council to include GHG implications
- Submit plans during Budget deliberations
- Ongoing monitoring of progress and annual report card
- Changing the Corporate Culture