

8TH REPORT OF THE
TREES AND FORESTS ADVISORY COMMITTEE

Meeting held on August 9, 2016, commencing at 12:17 PM, in Committee Room #4, Second Floor, London City Hall.

PRESENT: R. Mannella (Chair), A. Cantell, P. Ciufo, T. Khan, J. Kogelheide, C. Linton, G. Mitchell, D. Pavletic and N. St. Amour; and J. Martin (Secretary).

ABSENT: C. Haindle, I. Listar, R. Postma and S. Rowland.

ALSO PRESENT: A. Beaton, P. Donnelly, J. Ramsey and J. Stanford.

I. CALL TO ORDER

1. Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

II. SCHEDULED ITEMS

2. Overview of the City's Approach for Climate Change

That the Civic Administration BE REQUESTED to provide the Draft Climate Change Adaptation Strategy to the Trees and Forests Advisory Committee (TFAC), the Environmental and Ecological Planning Advisory Committee (EEPAC) and the Advisory Committee on the Environment (ACE) for the purposes of providing feedback; it being noted that the TFAC received the attached presentation from J. Stanford, Director, Environment, Fleet and Solid Waste, and P. Donnelly, Manager, Watershed Program, with respect to this matter.

III. CONSENT ITEMS

3. 7th Report of the Trees and Forests Advisory Committee

That it BE NOTED that the 7th Report of the Trees and Forests Advisory Committee, from its meeting held on June 22, 2016, was received.

4. Municipal Council Resolution - 7th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the Municipal Council resolution adopted at its meeting held June 23, 2016, with respect to the 7th Report of the Environmental and Ecological Planning Advisory Committee, was received.

5. Municipal Council Resolution - 6th Report of the Trees and Forests Advisory Committee

That it BE NOTED that the Municipal Council resolution adopted at its meeting held July 26, 2016, with respect to the 6th Report of the Trees and Forests Advisory Committee, was received.

6. Municipal Council Resolution - Humane Urban Wildlife Conflict Policy

That it BE NOTED that the Municipal Council resolution adopted at its meeting held July 26 2016, with respect to the Humane Urban Wildlife Conflict Policy, was received.

IV. SUB-COMMITTEES & WORKING GROUPS

7. Allergens, Climate Change & Invasives Working Group

That it BE NOTED that the Trees and Forests Advisory Committee (TFAC) received a verbal update from A. Cantell on behalf of the Allergens, Climate

Change & Invasives Working Group.

8. 1995 Dingman Creek Objectives (C. Linton)

That it BE NOTED that the Trees and Forests Advisory Committee (TFAC) received a verbal update from C. Linton with respect to the 1995 Dingman Creek Objective.

V. ITEMS FOR DISCUSSION

9. Humane Urban Wildlife Conflict Policy: Forestry Operations Wildlife Protocol

That the following actions be taken with respect to the Humane Urban Wildlife Conflict Policy: Forestry Operations Wildlife Protocol:

- a) the Civic Administration BE INVITED to the September meeting of the Trees and Forests Advisory Committee (TFAC) to provide additional information with respect to current Forestry Operations Wildlife Protocol; and,
- b) the discussion with respect to the staff report BE DEFERRED to the next meeting of the TFAC as it relates to trees and forests;

it being noted that the TFAC received a verbal presentation from M. Blosch and F. Morrison with respect to this matter.

10. Tree Watering Update

That it BE NOTED that the Trees and Forests Advisory Committee received a verbal update from A. Beaton, Forestry Operation Supervisor, with respect to tree watering.

11. Green Legacy

That the following actions be taken with respect to a Green Legacy Program:

- a) the Civic Administration BE REQUESTED to investigate the possibility of establishing a Green Legacy program in London similar to the Wellington County Green Legacy program; and,
- b) the Civic Administration BE REQUESTED to consider contacting Middlesex County, local conservation authorities, ReForest London, local school boards, and other planting organizations, to assist in the investigation of establishing a Green Legacy program;

it being noted that the establishment of this program would assist in achieving the goal of substantially increasing the tree population in the City of London as set out in the Urban Forest Strategy.

12. Road Work and Impact on Trees

That the Civic Administration BE REQUESTED to provide the Trees and Forests Advisory Committee with the policies and guidelines that deal with trees damaged during roadwork construction and to advise as to the actions that will be taken with respect to the damage done to trees on Queenston.

13. Urban Forestry Strategy Template (I. Listar)

That it BE NOTED that discussion with respect to the Urban Forestry Strategy template was deferred to the next meeting of the Trees and Forests Advisory Committee.

14. Work Plan Review

That it BE NOTED that discussion with respect to 2016 Trees and Forests Advisory Committee Work Plan review was deferred to the next meeting of the

Trees and Forests Advisory Committee.

VI. DEFERRED MATTERS/ADDITIONAL BUSINESS

None.

VII. ADJOURNMENT

The meeting adjourned at 2:15 PM.

NEXT MEETING DATE: September 28, 2016



Taking Action on Climate Change



Trees and Forests Advisory Committee
August 9, 2016



Local Issues - Survey

Most important local issue
London



2012
Community
Survey



From TFAC Workplan – Climate Change

- Climate change is expected to have enormous impacts on Canadian forests, with a minimum of 4oC of warming predicted for our country (vs. the global average of 2oC) by the end of the century, and worst case projections from the IPCC suggesting that increases as high as 10oC may be possible (for Canada)
- Goal is to develop recommendations around:
 - Acquisition and establishment of more southerly stock
 - Piloting more southern species as street trees
 - Collaborating with more southern municipalities on climate change issues

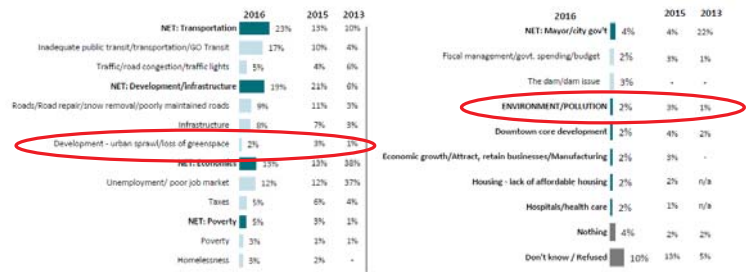


Local Issues - Survey

2013, 2015 & 2016 Community Surveys

MOST IMPORTANT ISSUES IN LONDON – TOP MENTIONS

Since 2015, City of London residents are more likely to focus on transportation, with more than two-in-ten now saying it is the most important issue facing the City (up 10 points from 2015), including a growing number (almost two-in-ten) who specifically mention inadequate public transit/transportation. Two-in-ten mention development/ infrastructure, specifically roads or road repair and infrastructure.



Q1. To begin, in your view, what are the most important issues facing the City of London? That is, what issues should receive the greatest attention from City Council?
Base: All respondents 2015 (n=501), 2015 (n=500), 2016 (500)
© 2016 Ipsos



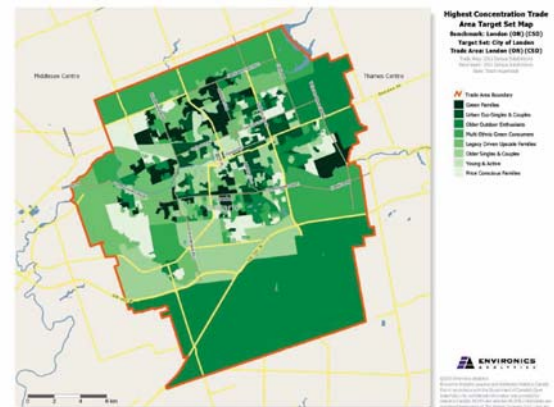
Sustainability/Climate Change reporting over the last 25 years

It has taken many forms:

- Corporate staff reports
- Comprehensive (technical) city-wide reports
- Project specific reports
- Special publications
- Various budget documents
- Webpages
- Collaborative webpages



How Green is London? (February 2015)



Source: Analyzing Environmental Perceptions, Attitudes and Actions of Londoners



London CANADA

Environment is enshrined in strategic City documents



Building a Sustainable City

- Robust infrastructure
- Convenient and connected mobility choices
- Strong and healthy environment
- Beautiful places and spaces
- Responsible growth
- Heritage conservation



London CANADA

City areas involved with action on Climate Change

1. Environmental & Engineering Services
2. Planning
3. Neighbourhood, Children & Fire Services
4. Parks & Recreation
5. Corporate Services (Facilities, Risk)
6. Development & Compliance Services



London CANADA

Strategic Plan – Progress Report



15 STRATEGIC PLAN FOR THE CITY OF LONDON 2016-2019 May 2016 Semi-Annual Progress Report



London CANADA

Plans, Programs & Projects with Focus on Climate Change

- [Active & Green Communities engagement pilot](#)
- Active Transportation and Transportation Demand Management, ASRTS and a portion of the Parking Strategy (in progress)
- [Climate Change Adaptation Strategy \(in progress\)](#)
- [Community Energy Action Plan \(CEAP\)](#)
- Community Improvement Plans
- [Corporate Energy Conservation & Demand Management \(CDM\) Plan including Street Lights](#)



London CANADA

Environment is enshrined in strategic City documents



Green City Strategy

- Green Jobs
- Green Mobility
- Green Development
- Green Infrastructure
- Green Energy & Clean Air
- Healthy Watershed
- Clean Water & Water Conservation
- Managing Our Waste



London CANADA

Plans, Programs & Projects with Focus on Climate Change

- [Green Development Strategy \(2017 or 2018\)](#)
- Green Fleet Strategy Update (in progress)
- Heritage Conservation
- London ON Bikes Cycling Master Plan (in progress)
- [NeighbourGood London: London Strengthening Neighbourhoods Strategy](#)
- [Parks & Recreation Master Plan](#)
- [Pollution Prevention and Control Plan](#)



Plans, Programs & Projects with Focus on Climate Change

- Resource Recovery Strategy (in progress)
- Shift – London’s Rapid Transit Initiative (in progress)
- Smart Moves - 2030 Transportation Master Plan
- Source Water Protection Plan
- Stormwater and watershed management programs
- Thames River Clear Water Revival Project
- The London Plan
- Urban Design Program
- Urban Forest Strategy
- Water conservation and efficiency programs



CEAP Action Areas - City

Overall Progress on 2014/2015 CEAP – 40 Actions – Between May 2015 and April 2016

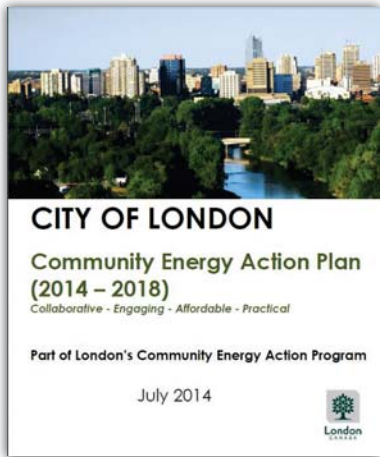
Not Started	25 Percent Completion	50 Percent Completion	75 Percent Completion	Completed
2 actions (5%)	6 actions (15%)	5 actions (13%)	12 actions (30%)	15 actions (38%)

For Comparison – Progress Between May 2014 and April 2015

5 actions (13%)	9 actions (22%)	7 actions (18%)	17 actions (42%)	2 actions (5%)
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Community Energy Action Plan

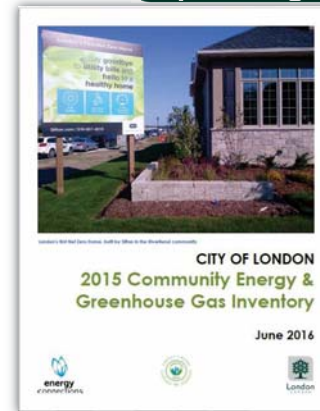


1. Increase the local economic benefit of sustainable energy use through:
 - Cost savings,
 - Revenue from clean & green energy, and
 - Job creation.
2. Reduce the environmental impact of energy use, consistent with Ontario’s GHG emission reduction targets

14



Climate Change - Annual energy & GHG inventory reporting



1. Total GHG emissions are 8% below 1990 levels
2. Per person, Londoners & London businesses released 25% fewer GHGs than they did in 1990

17



CEAP Action Areas - City

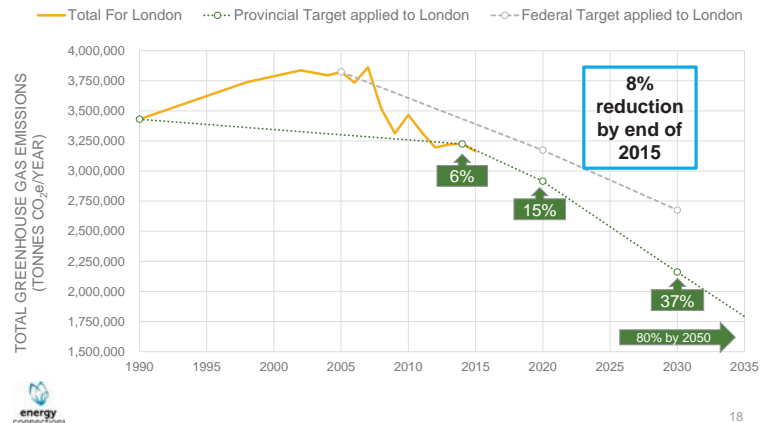
Specific goals (either measurable or aspirational) established for each energy-using sector in London:

- Single-Family Homes
- Multi-Unit Residential Buildings
- Commercial and Institutional Buildings
- Industry and Manufacturing
- Stores and Restaurants
- Local Energy Production and Cogeneration of Heat and Power
- Vehicles and the Transportation System

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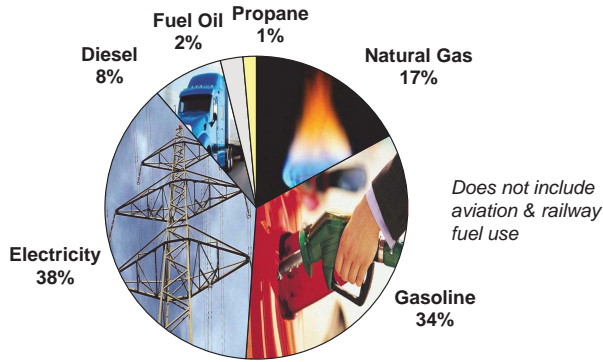
GHG emission trend vs targets (2015)



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Cost of energy use (\$1.5 billion in 2015)



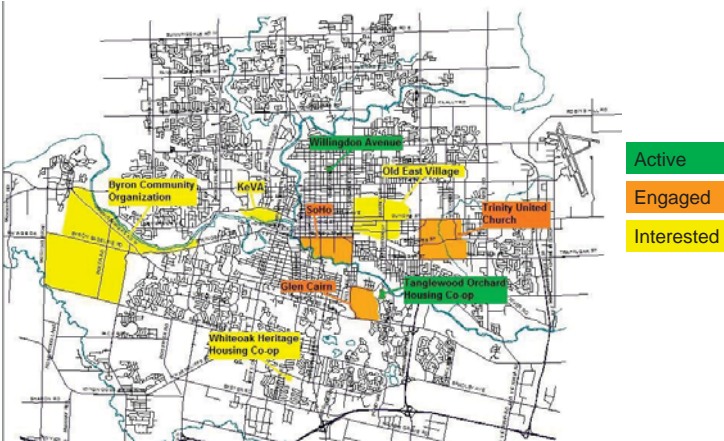
We think more people may care about money

How You Compare to Your Neighbours...

	YOUR HOUSEHOLD <small>ANNUAL CONSUMPTION DATA</small>	COMMUNITY AVERAGE <small>ANNUAL CONSUMPTION DATA</small>	HOUSEHOLD BENEFIT <small>COMPARED TO YOUR COMMUNITY</small>
Saving Money			
Gas	\$1,035	\$1,901	\$866+
Electricity	\$1,736	\$3,127	\$1,391+
Water	\$818	\$1,411	\$593+
Personal Vehicle Use	\$3,369	\$3,216	\$153-
Your household's annual savings are... (compared to the average)			\$2,697



Active & Green Communities Engagement



We think more people may care about their health

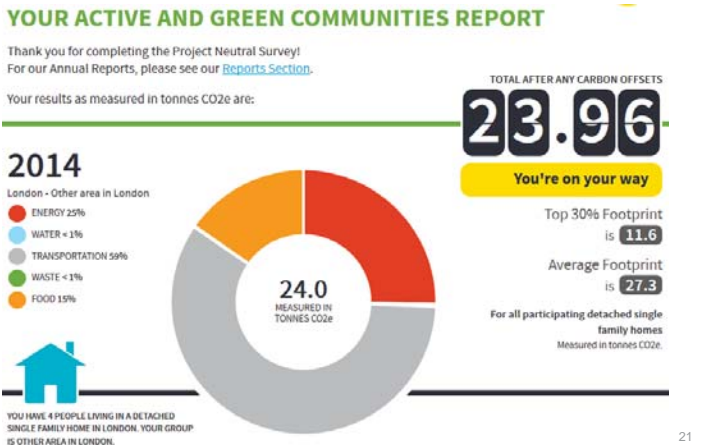
How You Compare to Your Neighbours...

	YOUR HOUSEHOLD <small>DAILY DATA PER PERSON</small>	COMMUNITY AVERAGE <small>DAILY DATA PER PERSON</small>	YOUR HOUSEHOLD BENEFITS <small>COMPARED TO YOUR COMMUNITY</small>
Active & Healthy			
Walking (transportation)	0.5 km	0.4 km	above average 😊
Biking (transportation)	0.00 km	0.03 km	room to improve
Exercise (leisure)	16.2 min	10.0 min	above average 😊
Fruits & Vegetables (daily servings/household)	6.2 servings	7.0 servings	room to improve

* Daily servings based on [Canada's Food Guide recommendations](#).



We know some people care about their carbon footprint



Corporate Energy Management Program

CITY OF LONDON
Corporate Energy Conservation and Demand Management (CDM) Plan
July 2014

- Tracking & monitoring energy consumption
- Renewable energy and feasibility projects
- Leadership in Energy and Environmental Design (LEED) buildings and new energy efficient buildings
- Energy conservation and demand management projects
 - Wastewater treatment and water supply facilities
 - Streetchighting upgrades
 - Building retrofits
 - Fleet
- Procurement
- Creating a corporate "Culture of Conservation"



Corporate Energy Management Program

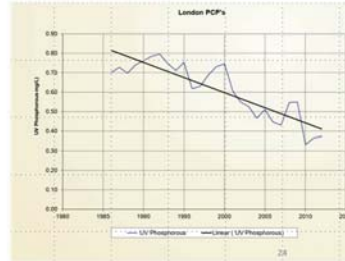
Updated results being reported to CWC on August 22, 2016:

- Total energy use in 2015 was over 4% lower than 2014 and 8% lower than 2007
- Energy use per person has dropped 14% since 2007
- Corporate GHG emissions have dropped by about 50% since 2007
- Total energy cost in 2015 increased to over \$19 million (no energy reductions, we would have paid about 8% more)



Climate Change Adaptation

3. River Water Quality



Improvements in PCP effluent discharge



Thursday, September 22, 2016 | 10:58
Adelaide Wastewater Treatment Plant | 1205 Adelaide Street, London, ON

Response = Sewer Separation, TRESS pilot project at Adelaide PCP, Clear Water Revival Initiative, Pollution Prevention & Control Plan



Climate Change Adaptation

1. Flooding – Basement and Stormwater System Related



Response = Downspout Disconnect Program, Flooding Matters Task Force, Sump Pump Program.



Climate Change Adaptation

Phases	Action	Schedule
1	Internal inventory, risk and process identification	Complete
2	Incorporate increased Climate Change Adaptation in design and practice when possible	2016 - Q4
3	Update Draft Strategy, implementation plan and final review	2017 - Q2
4	Submit to Committee/Council	2017 - Q3
5	Implement approved strategy	2018 - Q1



Climate Change Adaptation

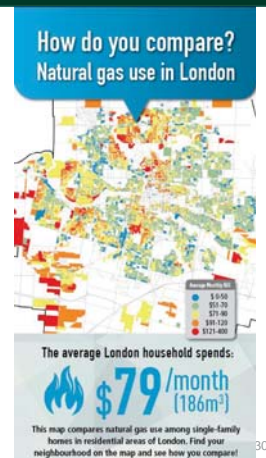
2. Flooding – Thames River and tributary creeks related



Response = Western researchers updating IDF curves (+25%), UTRCA updated river modelling, and Dingman Creek subwatershed Class EA.



CityGreen – Talking Climate Change





CityGreen – Talking Climate Change



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Thanks – Any Questions?

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