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. Ciufio, T. Khan, J. Kogelheide, C. Linton, G. Mitchell, D. Pavletic and N. St. Amour; and J. Martin (Secretary).


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.


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.


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.


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


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. Blosh 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

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

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

Local Issues - Survey

2012 Community Survey

Local Issues - Survey

2013, 2015 & 2016 Community Surveys

How Green is London? (February 2015)
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

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

Strategic Plan – Progress Report

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

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

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


<table>
<thead>
<tr>
<th>Not Started</th>
<th>25 Percent Completion</th>
<th>50 Percent Completion</th>
<th>75 Percent Completion</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 actions (5%)</td>
<td>6 actions (15%)</td>
<td>5 actions (13%)</td>
<td>12 actions (30%)</td>
<td>15 actions (38%)</td>
</tr>
</tbody>
</table>

For Comparison – Progress Between May 2014 and April 2015

<table>
<thead>
<tr>
<th>Not Started</th>
<th>25 Percent Completion</th>
<th>50 Percent Completion</th>
<th>75 Percent Completion</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 actions (13%)</td>
<td>9 actions (22%)</td>
<td>7 actions (18%)</td>
<td>17 actions (42%)</td>
<td>2 actions (5%)</td>
</tr>
</tbody>
</table>

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

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

CEAP Action Areas - City

Specific goals (either measureable 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

GHG emission trend vs targets (2015)
Cost of energy use ($1.5 billion in 2015)

- Electricity: 38%
- Gasoline: 34%
- Natural Gas: 17%
- Diesel: 8%
- Fuel Oil: 2%
- Propane: 1%

Does not include aviation & railway fuel use

We think more people may care about money

How You Compare to Your Neighbours...

<table>
<thead>
<tr>
<th></th>
<th>YOUR HOUSEHOLD</th>
<th>COMMUNITY AVERAGE</th>
<th>HOUSEHOLD BENEFIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>$1,635</td>
<td>$1,861</td>
<td>$226+</td>
</tr>
<tr>
<td>Electricity</td>
<td>$1,736</td>
<td>$1,327</td>
<td>$1,391+</td>
</tr>
<tr>
<td>Water</td>
<td>$818</td>
<td>$1,411</td>
<td>$593+</td>
</tr>
<tr>
<td>Personal Vehicle Use</td>
<td>$2,369</td>
<td>$2,236</td>
<td>$133-</td>
</tr>
</tbody>
</table>

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...

<table>
<thead>
<tr>
<th></th>
<th>YOUR HOUSEHOLD</th>
<th>COMMUNITY AVERAGE</th>
<th>YOUR HOUSEHOLD BENEFITS COMPARED TO YOUR COMMUNITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating (transportation)</td>
<td>0.5 km</td>
<td>0.4 km</td>
<td>above average</td>
</tr>
<tr>
<td>Walking (transportation)</td>
<td>1.08 km</td>
<td>0.63 km</td>
<td>room to improve</td>
</tr>
<tr>
<td>Exercise (hours)</td>
<td>16.0 h</td>
<td>14.6 h</td>
<td>above average</td>
</tr>
<tr>
<td>Personal vehicle kilometres (per household)</td>
<td>6.2 km/hour</td>
<td>7.0 km/hour</td>
<td>room to improve</td>
</tr>
</tbody>
</table>

* Personal vehicle kilometres based on Canada’s road safety recommendations.

We know some people care about their carbon footprint

YOUR ACTIVE AND GREEN COMMUNITIES REPORT

Thank you for completing the Project Neutal Survey! For our Annual Reports, please see our Reports Section.

Your results as measured in tonnes CO2e are:

- 2014: 23.96
- You’re on your way

Corporate Energy Management Program

1. Tracking & monitoring energy consumption
2. Renewable energy and feasibility projects
3. Leadership in Energy and Environmental Design (LEED) buildings and new energy efficient buildings
4. Energy conservation and demand management projects
   - Wastewater treatment and water supply facilities
   - Streetlighting upgrades
   - Building retrofits
   - Fleet
5. Procurement
6. 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

1. Flooding – Basement and Stormwater System Related

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

Climate Change Adaptation

3. River Water Quality

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

Climate Change Adaptation

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

How do you compare? Natural gas use in London
Thanks – Any Questions?

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