

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 25, 2016</b>
<b>FROM:</b>	<b>JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET &amp; SOLID WASTE</b>
<b>SUBJECT:</b>	<b>ENVIRONMENTAL PROGRAMS UPDATE</b>

### RECOMMENDATION

That on the recommendation of the Director – Environment, Fleet & Solid Waste:

- a) This report **BE RECEIVED** for information; and
- b) This report **BE FORWARDED** to the Advisory Committee on the Environment (ACE) for information.

### PREVIOUS REPORTS PERTINENT TO THIS MATTER

Relevant reports that can be found at [www.london.ca](http://www.london.ca) under City Hall (Meetings) include:

- Environmental Programs Updates (April 20, 2015 meeting of the Civic Works Committee CWC, Item #12)
- Environmental Programs Updates (April 8, 2013 meeting of the CWC, Item #2)
- Environmental Programs Update (May 14, 2012 meeting of the CWC, Item #19)

### STRATEGIC PLAN 2015-2019

Municipal Council has recognized the importance of environmental and sustainability programs and projects in its 2015-2019 - Strategic Plan for the City of London ([2015 – 2019 Strategic Plan](#)). Specifically, all four Areas of Focus address at one level or another environmental and sustainability matters as follows:

#### **Strengthening Our Community**

- Healthy, safe, and accessible city

#### **Building a Sustainable City**

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

#### **Growing our Economy**

- Local, regional, and global innovation
- Strategic, collaborative partnerships

#### **Leading in Public Service**

- Collaborative, engaged leadership
- Excellent service delivery

### BACKGROUND

#### **PURPOSE:**

The purpose of this information report is to provide Committee and Council with a single report that provides brief updates on 13 key projects and activities within the Environmental Programs Division that:

- addresses Committee and Council recommendations for additional updates
- indicates how the program or project contributes to Council's Strategic Plan 2015-2019
- highlights a number of the key programs and projects currently under way or in the planning stages

- provides key available data and observations, and
- indicates how the program or project is addressing cost impacts and/or value to customers and the City's Community Engagement Policy

## **DISCUSSION**

The Environmental Programs Division's key focus is on being a central area for environmental leadership, coordination with other areas, and being easily accessible by the citizens and businesses of London for many projects dealing primarily with the built environment. The Division works closely with many Environmental & Engineering Services (EES) divisions as well as staff in Planning; Neighbourhood, Children & Fire Services; and Development & Compliance service areas.

City staff in this area apply practical municipal and private sector experience with a focus on air quality, climate change, climate adaptation, energy conservation, active transportation (walking and cycling), transportation demand management, urban watershed management, natural landscaping, community capacity building and community engagement. Within EES, important project/program relationships and synergies exist in such areas as water conservation, wastewater treatment operations, and energy conservation.

Some of Environmental Programs responsibilities include:

### **Community Environmental Action**

- Implement community and business outreach and action; partnerships and capacity building
- Administer and evaluate existing environmental programs and initiatives

### **Environmental Programs Coordination and Management**

- Respond to environmental inquiries and manage issues
- Undertake research and policy development
- Coordinate with other City of London divisions, Agencies, Boards & Commissions on environmental and sustainability matters

### **Corporate Environmental Actions**

- Design, implement, monitor and evaluate actions
- Undertake cost/benefit analyses and return on environmental investment

### **Benchmarking and Public Reporting**

- Undertake comparative evaluations, analyses and public reporting on many programs.

## **KEY PROJECT / PROGRAM UPDATES (AT A GLANCE)**

Appendix A contains a brief description, updates and key items on 13 projects, programs and initiatives, including:

1. Community Energy Action Plan (CEAP)
2. Active & Green Communities
3. London Environmental Network
4. Corporate Energy Conservation & Demand Management (CDM) Plan
5. Local Improvement Charges for Energy & Water Retrofits
6. Regional Rideshare
7. Bike (Cycling) Program
8. Give Active Transportation a Go! Campaign (as a component of transportation demand management – TDM)
9. London Subwatershed Planning
10. Source Water Protection Program
11. Thames River Clear Water Revival Initiative
12. London Clean & Green
13. Enhancing Environmental Outreach and Strengthening Community Capacity (CityGreen)

## ACKNOWLEDGEMENTS

This report was prepared with assistance from Allison Miller, Transportation Demand Management Coordinator, and Vanessa Kinsley, Community Outreach Coordinator.

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### Appendix A Environmental Programs - Key Projects and Initiatives (*At a Glance*)

- c Lynne Livingstone, Managing Director, Neighbourhood, Children and Fire Services
- John Fleming, Managing Director, Planning and City Planner
- George Kotsifas, Managing Director, Development and Compliance Services and Chief Building Official
- Edward Soldo, P.Eng., Director, Roads & Transportation
- John Lucas, P.Eng., Director, Water & Wastewater

## APPENDIX A

<b>1. Community Energy Action Plan (CEAP)</b>	
Website	<a href="#">City of London – Community Energy Action Plan</a>
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Growing Our Economy
Brief Description	<ul style="list-style-type: none"> <li>• The Community Energy Action Plan (CEAP) was adopted by Council in July 2014, and the timeframe for Phase 1 of the plan is 2014-2018.</li> <li>• The CEAP's goals are to increase the local economic benefit of sustainable energy use, and reduce greenhouse gas emissions to 15% below 1990 levels by 2020.</li> <li>• The plan was developed with review and input from three-dozen key energy stakeholders.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, communities, key energy-using sectors</p> <p>Methods – Active &amp; Green Communities (Item 2) is being used to engage the general public as well as communities (geographic and interest-based), while key energy-using sectors will be engaged using a mix of workshops and other direct one-on-one discussions</p>
Project/Program partners	London Environmental Network (and members), London Hydro, Union Gas, other key energy stakeholders
Value to Customers	<ul style="list-style-type: none"> <li>• In 2014, London spent about \$1.6 billion on energy, and almost 90 percent of this money left London.</li> <li>• If the CEAP's goals are met, London's annual energy costs at the end of 2018 will be around \$250 million lower than business-as-usual.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• City staff have developed and tested new "energy literacy" tools such as energy maps (developed by City GIS staff), infographics, and videos.</li> <li>• Obtained \$25,000 from the Ontario Ministry of Energy's <a href="#">Municipal Energy Plan</a> Implementation funding program to support Active &amp; Green Communities (see Item 2).</li> <li>• Obtained \$12,760 from FCM's Green Municipal Fund to research the production and use of renewable natural gas from local organic waste.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• Continue implementation of the Active &amp; Green Communities engagement strategy (see Item 2).</li> <li>• Update the community energy and greenhouse gas emissions inventory with 2015 data.</li> <li>• Develop a new program to engage London's employers, modelled upon existing programs such as <i>Sustainable Hamilton Burlington</i> and Waterloo Region's <i>Regional Carbon Initiative</i>.</li> <li>• Provide recommendations for utilizing Local Improvement Charges for energy and water saving retrofits (see Item 5 - Property Assessed Clean Energy).</li> </ul>
Further information	<a href="#">Ontario's Climate Change Strategy</a> <a href="#">Canada's Action on Climate Change</a>
Next CWC reports	<ul style="list-style-type: none"> <li>• 2015 community energy and greenhouse gas emissions inventory (Spring 2016)</li> <li>• Community Energy Action Plan update (Summer 2016)</li> </ul>

<b>2. Active &amp; Green Communities</b>	
Websites	<a href="#">City of London – Active &amp; Green Communities</a> <a href="#">Project Neutral</a>
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Strengthening Our Community
Brief Description	<ul style="list-style-type: none"> <li>• A community engagement pilot project addressing concerns about our environment, health, household finances, and community wellbeing.</li> <li>• Two-way exchange of ideas between participating communities and the City (and its partners).</li> <li>• Provides simple and convenient access to programs and information from the City of London and partners.</li> <li>• Provides “test markets” for small-scale pilot projects to test new tools and ideas.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, communities</p> <p>Methods – community champions, community meetings &amp; events, informal “coffee” discussions, web-based tools (Active &amp; Green Calculator provided by Project Neutral)</p>
Project/Program partners	Project Neutral, London Hydro, Union Gas, Upper Thames River Conservation Authority, Middlesex-London Health Unit, Ontario Ministry of Energy
Value to Customers	<ul style="list-style-type: none"> <li>• The Active &amp; Green Calculator, provided by Project Neutral, uses energy mapping data to provide Londoners with the ability to compare their energy costs and environmental impacts with their neighbours, and provides a household action planning tool specific for their household.</li> <li>• Residents within participating communities get quicker access to City and partner programs.</li> <li>• City staff can test new program ideas at a small scale to reduce the risk associated with trying new ideas.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• Seven participating communities so far – Byron Community Association, Glen Cairn Community Collaborative, SoHo Community Association, Tanglewood Housing Co-operative, Trinity United Church, Old East Village Community Association, and Willingdon Avenue.</li> <li>• As of April 1, 250 households have started the Active &amp; Green Calculator and 110 have entered their household information.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• Continue to work with existing seven communities to implement identified actions.</li> <li>• Bring on board at least three additional communities.</li> <li>• Undertake City-wide promotions for the Active &amp; Green Calculator</li> <li>• Develop and implement the two pilot projects (home consultations, efficient vehicle monitoring) to be funded by the Ontario Ministry of Energy.</li> </ul>
Further information	<a href="#">Ontario Ministry of Energy Municipal Energy Plan Program</a> <a href="#">NeighbourGood London</a>
Next CWC report	<ul style="list-style-type: none"> <li>• Update on Active &amp; Green Communities (Fall 2016)</li> </ul>

<b>3. London Environmental Network</b>	
Website	<a href="#">London Environmental Network</a>
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Strengthening Our Community Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>The London Environmental Network (LEN) builds strong, stable &amp; resilient organizations so they can be more effective at creating positive change over the long term. It also acts as a hub for Londoners to learn about environmental efforts in our city and how they can get involved.</li> <li>The City of London has a seat on the Steering Committee.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, community groups, neighbourhoods, schools</p> <p>Methods – Direct delivery of materials, Presentations, Workshops, Webpage, Videos, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops</p>
Project/Program partners	LEN has 37 local and regional members with direct members, volunteers and participants equaling over 5700 people
Value to Customers	<ul style="list-style-type: none"> <li>Facilitate collaboration between environmental organizations</li> <li>Provide training and shared resources to make groups stronger and more effective</li> <li>Empower member organizations to communicate their stories better and become more effective at making change</li> <li>Be a central source for Londoners to learn about environmental groups, events and activities</li> <li>Recruit volunteers and supporters for member organizations</li> <li>Share and celebrate our successes!</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>Launched in March 2015.</li> <li>Completed Strategic Plan focusing on building environmental groups' internal capacity to deliver on their missions, growing membership engagement, measuring community impact, and building LEN's capacity to support environmental groups over the long term.</li> <li>Brought training and experience in collaborative skills to the overall environmental sector by facilitating and supporting 3 cross-sectoral composting initiatives.</li> <li>Partnered with Sustainability Network and Gosling Foundation to provide subsidized training on how to establish, grow and maintain public engagement.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>Implement Strategic Plan with key milestones for 2016 and 2017.</li> </ul>
Further information	All details contained on <a href="#">London Environmental Network</a>
Next CWC report	<ul style="list-style-type: none"> <li>Quarter 2 - 2017</li> </ul>

<b>4. Corporate Energy Conservation and Demand Management (CDM) Plan</b>	
Website	<a href="#">City of London – Corporate Energy Management Program</a>
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>• The Corporate Energy Conservation and Demand Management (CDM) Plan is a mandatory requirement of the Ontario <i>Green Energy Act</i>.</li> <li>• The plan has a timeframe of five years (2014-2018), and was adopted by Council in July 2014.</li> <li>• This plan was built upon previous corporate energy management activities, some dating back to the 1990s</li> <li>• The plan's goal is to reduce corporate energy use 10 percent from 2014 levels by 2020, which requires a service delivery energy efficiency (energy used per Londoner) improvement of 15 percent to accommodate London's growth.</li> </ul>
Staff Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – employees, key energy-using service areas</p> <p>Methods – different employee engagement activities have been tested under the <i>It's Within Reach</i> program; management from energy-using service areas were consulted in person to determine actions to include in the Plan</p>
Project/Program partners	London Hydro and Union Gas (energy conservation incentives); Federation of Canadian Municipalities Green Municipal Fund (GMF)
Value to Customers	<ul style="list-style-type: none"> <li>• In 2013, the Corporation spent about \$17.5 million on energy every year, and almost 90 percent of this money left London.</li> <li>• Due to rising energy prices, this is forecast to increase to \$26 million by 2020 if energy efficiency remains unchanged.</li> <li>• If the plan's goals are met, the Corporation's annual energy costs will be around \$4 million lower than forecast.</li> <li>• If the plan's goals are met, the Corporation's annual energy-related greenhouse gas emissions will be around 3,900 tonnes CO<sub>2e</sub> lower per year compared to the 'Business-as-Usual' Case.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• City service areas continued to investigate and implement energy-saving measures in municipal facilities and buildings outlined in the Corporate Energy CDM Plan.</li> <li>• The City received funding from the GMF to carry out research on the use of organic waste to produce renewable natural gas as a vehicle fuel.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• Update and reporting of the corporate energy and greenhouse gas emissions inventory with 2014 and 2015 data.</li> <li>• Report back on the status of implementation of the Corporate Energy CDM Plan.</li> </ul>
Further information	<a href="#">Ontario Ministry of Energy - Conservation for Public Agencies</a>
Next CWC report	<ul style="list-style-type: none"> <li>• 2015 corporate energy and greenhouse gas emissions inventory (Summer 2016)</li> </ul>

<b>5. Local Improvement Charges for Energy &amp; Water Retrofits (also known as Property Assessed Clean Energy – PACE)</b>	
Website	none
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Growing Our Economy
Brief Description	<ul style="list-style-type: none"> <li>• The Province has modified its regulations to allow the use of Local Improvement Charges (LICs) for property-specific energy and water saving retrofits. This is similar to the Property Assessed Clean Energy (PACE) programs used by some American state and municipal governments.</li> <li>• This can be applied to both residential and commercial properties.</li> <li>• LICs can also be used for on-site stormwater management (e.g., green roofs, permeable pavement).</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, commercial building owners, local mortgage providers, Union Gas, London Hydro, London Home Builders Association</p> <p>Methods – to be developed, likely through a pilot project</p>
Project/Program partners	Union Gas, London Hydro, London Home Builders Association (renovator members), Upper Thames River Conservation Authority.
Value to Customers	<ul style="list-style-type: none"> <li>• Uncertainty about long-term home/building ownership plans is a known barrier for home energy retrofits.</li> <li>• Energy retrofits funded through LICs are transferrable to the new owner, thus potentially removing the barrier associated with uncertainty regarding long-term ownership plans.</li> <li>• The financing terms for LICs can offer longer-term, lower interest rates which can allow most of the LIC repayments to be covered by utility bill savings.</li> <li>• LICs could also be coordinated with existing and new utility energy conservation incentive programs.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• In late 2015, City of London provided funding for an update on the 2014 report from Collaboration on Home Energy Efficiency Retrofits in Ontario (CHEERIO). An update is expected in Spring 2016.</li> <li>• The City of Toronto is in the second year of its Home Energy Loan Program (HELP), a pilot program being monitored by City of London staff for potential application</li> <li>• London (along with Guelph and Durham Region) is also supporting a project evaluating the potential use of LICs for commercial buildings as well as for stormwater measures. To date, the project team is working on legal, market and policy research.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• A stakeholder workshop is being held on April 21, 2016 with key stakeholders such as the London Home Builders' Association, London Hydro, Union Gas, local mortgage lenders, community groups, and City staff.</li> <li>• One-on-one discussions with key stakeholders will take place after the workshop.</li> <li>• Finance and Legal staff will review the existing HELP program in Toronto and proposed program in Guelph.</li> </ul>
Further information	<a href="#">Collaboration on Home Energy Retrofits in Ontario</a>
Next CWC report	<ul style="list-style-type: none"> <li>• Update, Business Case and recommendations regarding the use of LIC financing in London (Fall 2016)</li> </ul>



<b>6. Regional Rideshare</b>	
Website	<a href="#">Regional Rideshare</a>
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Growing our Economy Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>London is a partner in a regional group of municipalities to expand London's rideshare service (previous carpool service) into surrounding communities.</li> <li>This initiative involves two main aspects: <ol style="list-style-type: none"> <li>a web service that enables members of our communities to connect for the purpose of sharing rides to work, school, or health care facilities; and</li> <li>a coordinated marketing campaign.</li> </ol> </li> <li>Communities surrounding London lack transportation options. London roads face congestion problems, particularly during rush hour. Many of London's companies employ people from the surrounding region.</li> <li>Regional Rideshare was officially launched in May 2015.</li> </ul>
Community Engagement - levels and methods to be used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – London employers and public</p> <p>Methods – London employers will be engaged through the Business Travel Wise Program, targeted invitations, and general promotion. The general public will be engaged through social media, posters, billboards, etc.</p>
Project/Program partners	Huron County, Perth County, Middlesex County, Town of St. Marys, City of Stratford, Lambton County, Oxford County, City of St. Thomas, and others may continue to join. Pathway Intelligence Inc. designs and manages the website.
Value to Customers	<ul style="list-style-type: none"> <li>In 2007, London launched a web-based ridematch service, which has benefited over 2,500 primarily-Londoners. This expansion into surrounding communities means that the potential for users to find a match is greater.</li> <li>By cost-sharing, the City of London saves on the website annual fee and marketing material development.</li> <li>The new website provides an improved user experience.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>Currently, over 1,500 people have registered on Regional Rideshare, and of those over 750 are active and about 100 carpools have been formed.</li> <li>Active promotion is ongoing in Middlesex, Oxford, Perth, Huron and Lambton Counties, and in St. Marys, Stratford and St. Thomas.</li> <li>In London, the focus has been on promoting at 10 targeted workplaces through the Give AT a Go! Campaign (see Item 8) and existing relationships with local employers.</li> <li>Through Regional Rideshare, London has strengthened its relationship with surrounding municipalities.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>City-wide promotion to London employers &amp; Londoners</li> <li>Determine steps for 2016-17 and renew agreements.</li> </ul>
Further information	Further details can be found in the April 20 <sup>th</sup> , 2015 Civic Works Committee (CWC) report, <a href="#">Update: Regional Rideshare Program Civic Works Committee report, April 20th, 2015</a>
Next CWC report	<ul style="list-style-type: none"> <li>Regional Rideshare update Spring 2017</li> </ul>

<b>7. Bike (Cycling) Program</b>	
Websites	<a href="http://www.london.ca/cycling">www.london.ca/cycling</a> (new content under development) and <a href="http://www.londonbikes.ca">www.londonbikes.ca</a> (Cycling Master Plan website)
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>• Cycling is a key component of the City of London's Transportation Demand Management (TDM) program – specifically as part of Active Transportation promotion.</li> <li>• Cycling promotion and awareness activities are closely tied to Transportation Planning &amp; Design, Environmental &amp; Parks Planning, and Parks &amp; Recreation Operations.</li> <li>• Current cycling activities are closely tied to the London ON Bikes Cycling Master Plan, under development.</li> <li>• Cycling infrastructure and relationships to Shift (Rapid Transit Initiative) is key to overall mobility in the city.</li> </ul>
Community Engagement - levels and methods used (or to be used)	Levels – Inform, Consult (Involve), Collaborate, Empower Audiences – Public, community groups, and employees Methods – General promotion, social media, one-on-one meetings, presentations, and special events
Project/Program partners	Cycling Advisory Committee, Middlesex-London Health Unit, Thames Region Ecological Association, London Cycle Link, local employers, etc.
Value to Customers	<ul style="list-style-type: none"> <li>• These activities make it easier for more Londoners to ride a bicycle for transportation.</li> <li>• Better end-of-trip facilities are also being addressed, with secure bike parking and working with employers.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• In April 2015, hosted the Ontario By Bike Cycle Tourism Workshop, which drew local employers, business leaders, and stakeholders together to discuss ways of encouraging bike tourism and associated economic benefits in London.</li> <li>• Two bike corrals have been purchased for spring installation downtown and in Old East Village. Each corral takes up one on-street parking space. Instead of providing parking for one car, enough parking is provided for up to 14 bikes.</li> <li>• Four bike fix-it stations will be installed throughout the city this spring. Each station allows a cyclist to make quick repairs to their bike.</li> <li>• Five bike-friendly parks have been enhanced, with signage being installed this year. One bike-friendly neighbourhood has also been identified for enhancements this year. All will be promoted as cycling-friendly destinations.</li> <li>• Since January 2015, attended over 30 events where cyclists of all ages and abilities were engaged on London ON Bikes and cycling in general.</li> </ul>
Next Steps	Staff is working on several other cycling projects, including more bike parking options, safety education, promoting routes, and gathering data. All should be completed or well-underway by December 2016.
Further information	<a href="#">April 20th 2015 CWC report – Bike Program Update</a>
Next CWC report	Updates tied to London ON Bikes Cycling Master Plan

<b>8. Give Active Transportation a Go! Campaign (as a component of transportation demand management – TDM)</b>	
Website	<a href="#">MLHU – Active Commuting</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>• In partnership with the MLHU, campaign to increase awareness and use of Active Transportation (i.e., walking, cycling, public transit), among workplace commuters and the general public in London and Middlesex County.</li> <li>• A targeted campaign May-September 2015 occurred at 5 pilot workplaces.</li> <li>• Various communication interventions, incentives, and prizes were used to encourage participation.</li> <li>• The City tied in promotion of the Business Travel Wise Program, including promotion of carpooling.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – Employers, their employees, and general commuting public</p> <p>Methods – One-on-one meetings, targeted messaging and promotion, incentives for employers and their employees. Social media and advertising to the general public.</p>
Project/Program partners	Middlesex-London Health Unit 5 London workplaces of varying sizes Ontario Ministry of Health & Long Term Care (funding)
Value to Customers	<ul style="list-style-type: none"> <li>• The targeted campaign allowed employees at the 5 participating workplaces to try active transportation in a fun, supportive environment, and be eligible for incentives and prizes.</li> <li>• The 5 workplaces were introduced to the Business Travel Wise Program, and opportunities to make changes to the workplace to encourage active transportation as well as carpooling.</li> <li>• Promoting active transportation can be an enhancement to a workplace wellness program and support employee health and retention.</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• 5 workplaces ranged between 10 and 2,500 total employees.</li> <li>• Number of employees who participated in the campaign over the 5 months period ranged from 4 to 58%. Generally, smaller sized workplaces had a higher percentage of participation.</li> <li>• The average number of active commuters over the 5 months ranged between 37 and 2,145 per workplace.</li> <li>• This project also helped strengthen the relationship between the City and MLHU with a proactive approach to Londoners' physical activity levels.</li> </ul>
Next Steps	Determine resources available for a 2016 smaller-scale campaign. Follow up with 5 campaign workplaces about interest in pursuing specific Business Travel Wise Program initiatives.
Further information	<a href="#">MLHU – Active Transportation Reports</a>
Next CWC report	Quarter 2 - 2017

<b>9. London Subwatershed Planning</b>	
Website	<a href="#">City of London – Creeks and Watersheds</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City
Brief Description	<ul style="list-style-type: none"> <li>London is divided into 17 subwatersheds categorized by their main watershed (Thames River or Kettle Creek) and by the characteristics of the urban drainage pattern (e.g., creeks and streams) in the corresponding neighbourhoods.</li> <li>Program delivery is designed depending on the subwatershed issues, the infrastructure condition, and the community interest.</li> <li>The implementation of plans, updates, and strategies respond to each areas unique characteristics (e.g. the Coves Subwatershed Plan focused primarily on public access and water quality).</li> <li>High profile projects such as the 2015 London Community Foundation "Back to the River" project (a design competition for 5 km of the downtown riverfront) enabled subwatershed planning principles to be incorporated.</li> </ul>
Community Engagement – levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, community groups, neighbourhoods, schools</p> <p>Methods – Direct delivery of materials, Briefings, Presentations, Workshops, Webpage, Videos, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops</p>
Project/Program partners	<ul style="list-style-type: none"> <li>Upper Thames River, Lower Thames Valley, and Kettle Creek Conservation Authorities (CAs)</li> <li>Others are numerous and varied.</li> </ul>
Value to Customers	<ul style="list-style-type: none"> <li>These initiatives provide environmental awareness, community building opportunities, and activities designed for environmental action.</li> <li>City infrastructure, specifically related to stormwater and flooding are wisely managed through these processes.</li> <li>Community implementation opportunities and environmental stewardship lead to stronger neighbourhoods and improved environmental conditions.</li> </ul>
Recent Key Results	The Friends of the Coves Subwatershed Inc. has been diligently implementing their Subwatershed Plan (2004) which has now evolved with the creation of Coves Conservation Master Plan (2014) for the associated Environmentally Significant Area.
Next Steps	<ul style="list-style-type: none"> <li>Complete the subwatershed plans, updates and strategies as enhanced by direction contained in the draft London Plan</li> <li>Assist the Stormwater Engineering Service Area with Master Drainage Plans / Subwatershed Pilot Projects.</li> </ul>
Further information	<a href="#">Friends of the Coves</a> <a href="#">Upper Thames River Conservation Authority</a>
Next CWC report	Quarter 2 - 2017

<b>10. Source Water Protection Program</b>	
Website	<a href="#">Thames - Sydenham &amp; Region Drinking Water Source Protection</a> <a href="#">Lake Erie Source Protection Region</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City
Brief Description	<ul style="list-style-type: none"> <li>• Source Water Protection (SWP) - London maintains two surface water intakes to the Great Lakes via our Regional Water Supply System and local back-up wells that draw groundwater for emergency situations.</li> <li>• Using provincial government funding, we are ensuring the safety of municipal drinking water by managing water at the source, and working to ensure the long-term protection of local groundwater aquifers and water quality.</li> <li>• Given our regional interests in water supply and located in two watersheds (Thames River and Kettle Creek), we are partners in two Regional Source Water initiatives (Thames Sydenham Region and Lake Erie Region) and maintain an interest in a third region (Ausable Bayfield Maitland Valley Region).</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, communities, businesses, neighbourhoods</p> <p>Methods – Direct delivery of materials, Briefings, Presentations, Workshops, Webpage, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops</p>
Project/Program partners	<ul style="list-style-type: none"> <li>• SWP involves a Steering Committee of 20+ members for each region, representing three groups of seven municipal members, industry and key environmental groups plus First Nations, Middlesex-London Health Unit representation and a provincial liaison.</li> <li>• The Thames Sydenham Region has 3 First Nation representatives covering the interests of 8 First Nations.</li> <li>• Conservation Authority staff have managed the process on behalf of the province through the Ministry of the Environment and Climate Change (MOECC).</li> </ul>
Value to Customers	Water stewardship is the key message of this initiative. This program safeguards water quality in general, and specifically municipal drinking water supplies for London and surrounding watershed communities who share the regional water supply infrastructure.
Recent Key Results	Previous reports to Council have documented the stages of the work leading up to the completion of the Plan including technical and assessment work (or the “scientific” work) for the two standby well fields. Policies have been prepared for the Region including London, and the Plan has been approved. Implementation is now being planned utilizing Risk Management expertise at the Upper Thames River CA and education and awareness programs at the MOECC.
Next Steps	Implementation by municipalities using land use planning tools and risk management expertise.
Further information	Refer to the websites listed above
Next CWC report	Update reports are planned for fall of 2016

<b>11. Thames River Clear Water Revival Initiative</b>	
Website	<a href="#">Thames River Clear Water Revival</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City Growing Our Economy
Brief Description	<ul style="list-style-type: none"> <li>• Thames River Clear Water Revival (CWR) is a collaborative stewardship initiative to create a water management plan for the entire Thames River from headwaters to the outlet into Lake St. Clair. The previous plan for this watershed was completed in 1975.</li> <li>• London benefits from the existence of the Thames River flowing through the city for a whole host of reasons including environmental, social, and economic reasons. London is the largest municipality by geographic size and population in the Thames watershed and therefore a logical leader for this effort.</li> <li>• Using federal and provincial government funding focused on water quality in the Great Lakes, we are working in conjunction with our watershed partners, to ensure the long-term protection and enhancement of the Thames River water quality.</li> <li>• Considerable interest by First Nations has resulted in four being actively represented on the Steering Committee.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (Involve), Collaborate, Empower</p> <p>Audiences – public, communities, businesses, neighbourhoods</p> <p>Methods – Direct delivery of materials, Briefings, Presentations, Workshops, Webpage, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops</p>
Project/Program partners	CWR involves a Steering Committee composed of staff from Environment Canada, three provincial ministries, two Conservation Authorities, four First Nations, and City of London.
Value to Customers	Water stewardship is the key message of this initiative. This program safeguards water quality in general, and specifically river water quality for London and surrounding watershed communities.
Recent Key Results	<ul style="list-style-type: none"> <li>• A multi-partnership Steering Committee has been created representing the wide interest in the initiative. Representation on the committee is currently from federal, provincial, First Nations, two Conservation Authorities, and the City of London.</li> <li>• A project manager has been hired, a website created through UTRCA to help lead the initiative.</li> <li>• University research has capitalized on the initiative to attract water quality funding housed at the Adelaide PCP.</li> <li>• First Nations engagement has increased given the ability of the communities to mobilize interest with their youth.</li> </ul>
Next Steps	Water Management Plan completion in 2017
Further information	see website above
Next CWC report	Update reports are planned for fall of 2016

<b>12. London Clean &amp; Green Program</b>	
Website	<a href="#">London Clean &amp; Green</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>The program started in 1996 with 30 people on a Saturday morning - it now boasts participation of between 5,000 and 10,000 people over the course of over 2 months</li> <li>In 2012 the program grew to include both "Clean" and "Green" activities; "cleaning" including litter and graffiti removal and "greening" being the various activities to protect and improve our environment through stewardship</li> <li>A calendar of events is produced annually to advertise the opportunities in the community to be involved from mid-April until late June</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (involve), Collaborate, Empower</p> <p>Audiences – public, community groups, businesses, business associations, schools</p> <p>Methods - Direct delivery of materials, Briefings, Mass media (print, radio), Presentations, Webpage, Social media interaction (Facebook and Twitter), Community-led events</p>
Project/Program partners	Amway, Dillon Consulting, Goodwill Industries, Joe Kools, Labatt Brewery, London Environmental Network, London Home Builders' Association, London Public Library, Miller Waste Systems, Million Tree Challenge, Neighbourhood Good London, ReForest London, Thames Region Ecological Association, TD, Thames Talbot Land Trust, Tim Hortons, Try Recycling, Upper Thames River Conservation Authority
Value to Customers	<ul style="list-style-type: none"> <li>The event coordinates activities, advertises events and provides a way for groups to engage in community building.</li> <li>In recent years there has been an increased focus on "cleaning" activities under the banner 12 Days of Cleaning. The goal is to make Londoners and businesses aware that there are numerous locations to drop-off items that may otherwise become litter and garbage (i.e., a focus on preventing the creation of litter, garbage and illegal dumping).</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>Neighbourhood strengthening, increased awareness of our actions, the condition of our neighbourhoods and how stewardship starts with the individual.</li> <li>The material collected is substantial (18 to 20 tonnes on average) and provides the reminder that waste prevention starts at home and at your place of business.</li> <li>As noted, the London Clean &amp; Green Program is a collaboration between individuals, community groups, businesses and the City of London. The 2016 edition marks 21 years of being in the cleaning and greening business, a significant milestone.</li> </ul>
Next Steps	London Clean & Green, working through the City of London, will have a larger role in the Canada150 Program.
Further information	Consult the website for events, locations and activities
Next CWC report	Quarter 2 - 2017

<b>13. CityGreen - Enhancing Environmental Outreach and Strengthening Community Capacity</b>	
Website	<a href="#">City of London CityGreen</a>
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> <li>• CityGreen is an environmentally focused display that delivers a key message – Working Together for Sustainability</li> <li>• All environmental areas (built environment, natural environment) of the City of London participate with information and staff depending on the event.</li> <li>• The goal is to be a one-stop-shop for environmental information, knowledge, hands-on-displays, and how to take action in your own community.</li> <li>• CityGreen operates throughout the year at major indoor and outdoor events in London.</li> <li>• Assists other City service areas with major community outreach activities such as “Shift London” and “London ON Bikes” and assist community groups with gaining additional exposure to Londoners and visitors.</li> </ul>
Community Engagement - levels and methods used (or to be used)	<p>Levels – Inform, Consult (involve), Collaborate, Empower</p> <p>Audiences – public, community groups, businesses, business associations, schools, neighbourhoods</p> <p>Methods – interactive displays of various sizes at existing community events (from small tabletop displays to over 3000 square foot display at the Lifestyle Home Show), piloting the use of vacant store fronts, City Hall lobby space and outdoor festivals (mobile display trailer and tents)</p>
Project/Program partners	<ul style="list-style-type: none"> <li>• City of London service areas with environmentally-related programs and activities (Environmental &amp; Engineering Services, Planning, Neighbourhood, Children &amp; Fire Services and Development &amp; Compliance)</li> </ul>
Value to Customers	<ul style="list-style-type: none"> <li>• Through the use of eye-catching, easy-to-understand and interactive engagement materials, increase the capacity of Londoners of all ages to take action that benefits our environment, their health, and their pocketbook.</li> <li>• Participation in existing and new outreach activities with a wide range of communities (colleges and universities; community and neighbourhood associations; arts and cultural institutions; local employers and business organizations; service clubs; and faith-based organizations)</li> </ul>
Recent Key Results	<ul style="list-style-type: none"> <li>• In the last 12 months have participated in approximately 80 public events with an estimated number of visitors at 20,000.</li> <li>• Obtained the commitment from Carolinian Canada to host their regional “Go Wild Grow Wild” environmental expo in London for 2017 including expansion possibilities.</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• Invited to attend and display information at community events and festivals. Over 30 events have been confirmed for 2016.</li> </ul>
Further information	<a href="#">City of London – Environmental Initiatives</a>
Next CWC report	Not required unless further details requested