

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 24, 2017
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENT, FLEET & SOLID WASTE
SUBJECT:	ENVIRONMENTAL PROGRAMS ANNUAL UPDATE

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 under City Hall (Meetings) include:

- Environmental Programs Updates (April 25, 2016 meeting of the Civic Works Committee CWC, Item #8)

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 the Environmental Programs Division 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)

Where possible, estimated annual City expenditures and/or in-kind services from the community and business are noted by project. These expenditures do not include City staff time.

For in-kind services/funds offered by the community or businesses, the following scale is used:

Annual Community In-kind Hours	Annual Business In-kind Hours or Financial
Minor (less than 49 hours)	Minor (less than 24 and/or under \$1,000)
Moderate (50 – 99 hours)	Moderate (25 – 49 hours and/or under \$5,000)
Major (over 100 hours)	Major (over 50 hours and/or over \$5,000)

In a number of the projects, City staff time and expenditures activities are embedded as part of broader services and/or infrastructure requirements; therefore it is not possible to extract reasonable estimates from overall project or program costs.

City staff are always grateful to work with the community, businesses and institutions and fully recognized the importance of doing more collaborative work.

ACKNOWLEDGEMENTS

This report was prepared with assistance from Sneha Madur, Corporate Energy Management Engineer, and Greg Sandle, Environmental 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
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APPENDIX A

1. Community Energy Action Plan (CEAP)	
Website	City of London – Community Energy Action Plan
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Growing Our Economy
Brief Description	<ul style="list-style-type: none"> The CEAP was adopted by Council in July 2014, and the timeframe for Phase 1 of the plan is 2014-2018 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
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 & Green Communities (Item 2) is being used to engage the general public as well as communities, 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 Hydro, Union Gas, Project Neutral, Sustainability CoLab, other key energy stakeholders
Value to Customers	<ul style="list-style-type: none"> In 2015, London spent about \$1.5 billion on energy, and almost 90 percent of this money left London 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
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> City of London = \$25,000 Business Partners = Major Community Partners = Moderate
Overview - Recent Key Results	<ul style="list-style-type: none"> Developed and implementing Active & Green Home Check-up (home energy conservation) pilot project in Active & Green Communities - 73 out of 100 target completed as of March 31 Developed and implementing MyCarma London (vehicle fuel efficiency education) pilot project, with promotion through local employers as well as general public – 168 participants to date Hosted Strengthening London's Business Sustainability Network Workshop with Sustainability CoLab to explore interest in an employer engagement network in London – 40 participants, with strong support for taking next steps Completed research on options for the production and use of renewable natural gas from local organic waste Obtained FCM GMF funding for Feasibility Study: Municipal Tools for Catalyzing Net-Zero Energy Development in partnership with s2e Technologies, City of Kingston, City of Kitchener, and City of Waterloo
Next Steps	<ul style="list-style-type: none"> Completion and assessment of the Active & Green Home Check-up and MyCarma London pilot projects Work with business volunteers to pursue further development of the London's Business Sustainability Network Seek input from key energy stakeholders on CEAP progress
Further information	Ontario's Climate Change Strategy Canada's Action on Climate Change
Next CWC reports	<ul style="list-style-type: none"> 2016 community energy and greenhouse gas emissions inventory (Spring 2017) Community Energy Action Plan update, including stakeholder actions (Summer 2017)

2. Active & Green Communities	
Websites	City of London – Active & Green Communities Project Neutral
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Strengthening Our Community
Brief Description	<ul style="list-style-type: none"> • A community engagement pilot project addressing concerns about our environment, health, household finances, and community wellbeing • Two-way exchange of ideas between participating communities and the City (and its partners) • Provides simple and convenient access to programs and information from the City of London and partners • Provides “test markets” for small-scale pilot projects to test new tools and ideas
Community Engagement - levels and methods used (or to be used)	Levels – Inform, Consult (Involve), Collaborate, Empower Audiences – public, communities Methods – community champions, community meetings & events, informal “coffee” discussions, web-based tools (Active & Green Calculator provided by Project Neutral)
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"> • Residents within participating communities get quicker access to City and partner programs. • City staff can test new program ideas at a small scale to reduce the risk associated with trying new ideas.
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$35,000 • Business Partners = Moderate • Community Partners = Major
Overview - Recent Key Results	<ul style="list-style-type: none"> • Community-led projects (unique community garden projects) implemented in Glen Cairn, Tanglewood Orchard Housing Cooperative, and Trinity United Church • City-led projects (Active & Green Home Check-Ups, MyCarma London) implemented in Byron, Glen Cairn, Kensington Village, Old East, SoHo, and Willingdon • Feedback obtained on the Active & Green Calculator indicated challenges with obtaining historical utility data; modified it to make use of current utility bills • Over 200 households have completed the Active & Green Calculator • Workplace-based activities have proven to be cost-effective for engaging Londoners • Community-based activities are slower-paced than anticipated
Next Steps	<ul style="list-style-type: none"> • Open up participation to all interested community groups through a simplified enrolment process • Develop and test a workplace version of Active & Green Communities (i.e., Active & Green Workplaces) • Work with Project Neutral as a test community for their new, completely-redesigned carbon/cost footprint tool based on lessons learned in London
Further information	NeighbourGood London
Next CWC report	Update on Active & Green Communities (Fall 2017)

3. London Environmental Network	
Website	London Environmental Network
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"> The London Environmental Network (LEN) builds strong, stable & 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 The City of London has a seat on the Steering Committee
Community Engagement - levels and methods used (or to be used)	Levels – Inform, Consult (Involve), Collaborate, Empower Audiences – public, community groups, neighbourhoods, schools Methods – Direct delivery of materials, Presentations, Workshops, Webpage, Videos, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops
Project/Program partners	LEN has 37 local and regional members with direct members, volunteers and participants equaling over 5,700 people
Value to Customers	<ul style="list-style-type: none"> Facilitate collaboration between environmental organizations Provide training and shared resources to make groups stronger and more effective Empower member organizations to communicate their stories better and become more effective at making change Be a central source for Londoners to learn about environmental groups, events and activities Recruit volunteers and supporters for member organizations Share and celebrate our successes!
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> City of London = \$5,000 (not including City Community Grant) Business Partners = Major Community Partners = Major
Overview - Recent Key Results	<ul style="list-style-type: none"> Launched in March 2015. 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 Brought training and experience in collaborative skills to the overall environmental sector by facilitating and supporting 3 cross-sectoral composting initiatives Partnered with Sustainability Network and Gosling Foundation to provide subsidized training on how to establish, grow and maintain public engagement LEN was successful in receiving a grant from the London Community Grant Program's multi-year granting stream for the period 2017 to 2019
Next Steps	<ul style="list-style-type: none"> Implement Strategic Plan with key milestones for 2017 Review of some Strategic Plan elements in light of City grant and changing requirements of the membership.
Further information	All details contained in London Environmental Network
Next CWC report	Update reports are planned for second quarter of 2018

4. Corporate Energy Conservation and Demand Management (CDM) Plan	
Website	City of London – Corporate Energy Management Program
Connections to Council's Strategic Plan 2015-2019	Building a Sustainable City Leading in Public Service
Brief Description	<ul style="list-style-type: none"> The Corporate Energy Conservation and Demand Management (CDM) Plan is a mandatory requirement of the Ontario <i>Green Energy Act</i> The plan has a timeframe of five years (2014-2018), and was adopted by Council in July 2014 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
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 (incentives); Federation of Canadian Municipalities Green Municipal Fund (GMF)
Value to Customers	<ul style="list-style-type: none"> In 2016, the Corporation spent about \$21 million on energy and almost 90 percent of this money left London Due to rising energy prices, this is forecast to increase to \$26 million by 2020 if energy efficiency remains unchanged If the plan's goals are met, the Corporation's annual energy costs will be around \$4 million lower than forecast If the plan's goals are met, the Corporation's annual energy-related greenhouse gas emissions will be around 3,900 tonnes CO_{2e} lower per year compared to 'Business-as-Usual'
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> City of London = \$10,000 (excluding project capital costs) Business Partners = Major Community Partners = None
Overview - Recent Key Results	<ul style="list-style-type: none"> Reported the 2015 corporate energy and greenhouse gas emissions inventory (see website for details) Reported on the status of implementation of the Corporate Energy CDM Plan (see website for details) Re-launched employee Culture of Conservation program Launched regular energy team meetings with Wastewater operations to monitor and develop energy reduction projects
Next Steps	<ul style="list-style-type: none"> Develop space heater and temperature settings policy in liaison with Facilities division for City employee locations Test the use of Environmental Champions in key facilities to promote energy/environmental activities in these work areas Implement lighting retrofit projects at Adelaide PCP Work in coordination with Greenway PCP staff and London Hydro to implement the Organic Rankine Cycle (ORC) engine project, which reduces City's overall energy use by four percent Establish ongoing Culture of Conservation (employee) activities for employee engagement
Further information	Ontario Ministry of Energy - Conservation for Public Agencies
Next CWC report	<ul style="list-style-type: none"> 2016 corporate energy and greenhouse gas emissions inventory (Spring 2017)

5. Local Improvement Charges for Energy & Water Retrofits (also known as Property Assessed Clean Energy – PACE)	
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"> • 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 • This can be applied to both residential and commercial properties • LICs can also be used for on-site stormwater management (e.g., green roofs, permeable pavement)
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, Clean Air Partnership
Value to Customers	<ul style="list-style-type: none"> • Uncertainty about long-term home/building ownership plans is a known barrier for home energy retrofits • Energy retrofits funded through LICs are transferrable to the new owner, thus potentially removing the barrier associated with uncertainty regarding long-term ownership plans • 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 • LICs could also be coordinated with existing and new utility energy conservation incentive programs
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$5,000 • Business Partners = Major • Community Partners = Minor
Overview - Recent Key Results	<ul style="list-style-type: none"> • A stakeholder workshop was 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 • Ontario's proposed "green bank" entity, announced as part of Ontario's Climate Change Action Plan, may negate the need for a "made-in-London" LIC program, depending on how it is implemented • Update report to CWC provided on February 21, 2017
Next Steps	<ul style="list-style-type: none"> • Continue to provide input and support for consultations on the provincial role for using LICs in deep energy retrofit programs, such as providing funding for loan loss reserve funding and/or province-wide retrofit program delivery • Once further details on funding and incentives of the Ontario Climate Change Solutions Deployment Corporation (i.e., "green bank") are known, prepare a business case for an energy-related private property LIC pilot project in London
Further information	Collaboration on Home Energy Retrofits in Ontario
Next CWC report	Update, Business Case and recommendations regarding the use of LIC financing in London (September 2017)

6. Regional Rideshare	
Website	Regional Rideshare
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"> • London is a partner in a regional group of municipalities to expand London's rideshare service (previous carpool service) into surrounding communities • This initiative involves two main aspects: <ol style="list-style-type: none"> 1. 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 2. a coordinated marketing campaign • 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 • Regional Rideshare was officially launched in May 2015
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"> • 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 • By cost-sharing, the City of London saves on the website annual fee and marketing material development
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$6,000 • Business Partners = Moderate • Community Partners = Unknown
Overview - Recent Key Results	<ul style="list-style-type: none"> • Almost 800 people are current users, with 1,800 carpool invitations • Made improvements to website to make sign-up features more prominent, and add social media features • Active promotion is ongoing in Middlesex, Oxford, Perth, and Huron Counties, and in St. Marys, Stratford and St. Thomas • In London, the focus has been on 5 targeted workplaces through the Give AT a Go! Campaign (see Item 8) and existing relationships with local employers
Next Steps	<ul style="list-style-type: none"> • Expanded City-wide promotion to employers & Londoners • Pathways will be offering enhanced support (at no extra cost) for marketing and workplace support in 2017/18 • Regional Rideshare will be incorporated into upcoming work around establishing a transportation management association for downtown London
Further information	
Next CWC report	Will be included in a TDM program update report in Q1 2018

7. Bike (Cycling) Program	
Websites	www.london.ca/cycling (new content under development) and www.londonbikes.ca (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"> • Cycling is a key component of the City of London's Transportation Demand Management (TDM) program – specifically as part of Active Transportation promotion • Cycling promotion and awareness activities are closely tied to Transportation Planning & Design, Environmental & Parks Planning, and Parks & Recreation Operations • Current cycling activities are closely tied to the London ON Bikes Cycling Master Plan, under development • Cycling infrastructure and relationships to Shift (Rapid Transit Initiative) is key to overall mobility in the city
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"> • These activities make it easier for more Londoners to ride a bicycle for transportation. • Better end-of-trip facilities are also being addressed, with secure bike parking and working with employers.
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$25,000 • Business Partners = Moderate • Community Partners = Major
Overview - Recent Key Results	<ul style="list-style-type: none"> • Completed the Cycling Master Plan; many different elements are assigned to the Environmental Programs Division for implementation • Two bike corrals were 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 • Four bike fix-it stations were installed throughout the city, allowing cyclists to make quick repairs to their bike • London's Bronze level designation within Ontario's Bicycle Friendly Community award program was renewed in 2016
Next Steps	<ul style="list-style-type: none"> • Developing the London Celebrates Cycling event for June 2017; including the Canada 150 bike ride (June 24th) • Secure bike parking and a bike share program will be studied as part of work around establishing a transportation management association for downtown London • Based on above, bike parking will be implemented as part of Federal infrastructure funding and City capital program • New redesigned bike map to be created • Plan and/or implement other outreach components of the Cycling Master Plan
Further information	
Next CWC report	Will be included in a TDM program update report in Q1 2018

8. Give Active Transportation a Go! Campaign	
Website	MLHU – Active Commuting
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"> • 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 • A targeted campaign May-September 2015 occurred at 5 pilot workplaces • Various communication interventions, incentives, and prizes were used to encourage participation • The City tied in promotion of the Business Travel Wise Program, including promotion of carpooling
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"> • 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 • 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 • Promoting active transportation can be an enhancement to a workplace wellness program and support employee health and retention
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$2,000 • Business Partners = Major • Community Partners = Major
Overview - Recent Key Results	<ul style="list-style-type: none"> • Follow up with 5 campaign workplaces about interest in pursuing specific Business Travel Wise Program initiatives • Health at Work for All newsletter (MLHU) article to 180 workplaces promoting active commuting • Creating Physical Activity in Workplace Toolkit (MLHU) – new section on Active Commuting
Next Steps	<ul style="list-style-type: none"> • Health at Work for All newsletter article to 180 workplaces promoting active commuting • Under development: workplace presentation, assessment / planning of workplace commuter options with individual workplaces • Media – explore opportunities • Program will be incorporated into upcoming work around establishing a transportation management association for downtown London
Further information	MLHU – Active Transportation Reports
Next CWC report	Will be included in a TDM program update report in Q1 2018

9. London Subwatershed Planning	
Website	City of London – Creeks and Watersheds
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City
Brief Description	<ul style="list-style-type: none"> 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 Program delivery is designed depending on the subwatershed issues, the infrastructure condition, and the community interest The implementation of plans, updates, and strategies respond to each areas' unique characteristics (e.g. the Coves Plan focused primarily on public access and water quality) 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
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.</p>
Project/Program partners	<ul style="list-style-type: none"> Upper Thames River, Lower Thames Valley, and Kettle Creek Conservation Authorities (CAs) Others are numerous and varied (e.g. Thames River Rally, Thames River Paddling Routes).
Value to Customers	<ul style="list-style-type: none"> These initiatives provide environmental awareness, community building opportunities, and activities designed for environmental action City infrastructure, specifically related to stormwater and flooding are wisely managed through these processes Community implementation opportunities and environmental stewardship lead to stronger neighbourhoods and improved environmental conditions
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> City of London = No discrete budget - rather is contained as part of three water infrastructure budgets Business Partners = Minor Community Partners = Major
	<p>The Friends of the Coves Subwatershed Inc. continue to fundraise and create access to the Environmentally Significant Area via trail development. Elmwood Gateway is the latest development planned with matching private funds.</p> <p>City wide, watershed boundaries have been added as a layer to the CityMap feature on the City website. Also, a topographic landscape model of the City has been successfully used at events to raise awareness of urban surface drainage.</p>
Next Steps	<ul style="list-style-type: none"> Continue to guide subwatershed plans, updates and strategies as per direction contained in the London Plan Assist the Stormwater Engineering Service Area with Master Drainage Plans / Subwatershed Pilot Projects / One River EA
Further information	Friends of the Coves Upper Thames River Conservation Authority
Next CWC report	Update reports are planned for second quarter of 2018

10. Source Water Protection Program	
Website	Thames - Sydenham & Region Drinking Water Source Protection Lake Erie Source Protection Region
Connections to Council's Strategic Plan 2015-2019	Strengthening Our Community Building a Sustainable City
Brief Description	<ul style="list-style-type: none"> • 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 • 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 • 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)
Community Engagement - levels and methods used (or to be used)	Levels – Inform, Consult (Involve), Collaborate, Empower Audiences – public, communities, businesses, neighbourhoods Methods – Direct delivery of materials, Briefings, Presentations, Workshops, Webpage, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops
Project/Program partners	<ul style="list-style-type: none"> • SWP involves a Steering Committee that successfully completed the creation of a Plan. The committee is in the process of being reduced in size from 20+ members to 15 members in 2017 for implementation purposes. London maintains a representative who has now been asked to also represent the interests of Middlesex County • The Thames Sydenham Region has 3 First Nation representatives covering the interests of 8 First Nations • Conservation Authority staff have managed the process on behalf of the province through the Ministry of the Environment and Climate Change (MOECC)
Value to Customers	Water stewardship is the key message. This program promotes water quality in general, and specifically municipal drinking water supplies for London and surrounding watershed communities who share the Regional Water Supply infrastructure
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$33,000 for Risk Management Services • Business Partners = Major • Community Partners = Minor
Overview - 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 in process 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 (e.g., The London Plan) and risk management expertise
Further information	Refer to the websites listed above
Next CWC report	Update reports are planned for second quarter of 2018

11. Thames River Clear Water Revival Initiative	
Website	Thames River Clear Water Revival
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"> 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 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 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 Considerable interest by First Nations has resulted in four being actively represented on the Steering Committee
Community Engagement - levels and methods used (or to be used)	Levels – Inform, Consult (Involve), Collaborate, Empower Audiences – public, communities, businesses, neighbourhoods Methods – Direct delivery of materials, Briefings, Presentations, Workshops, Webpage, Social media interaction (Facebook and Twitter), Workshops, Community-led events, NGO-led seminars/workshops
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
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> City of London = \$25,000 for general project support Business Partners = Major Community Partners = Minor
Overview - Recent Key Results	<ul style="list-style-type: none"> the multi-partnership Steering Committee created to represent the wide interest in the initiative is now assisting in informing the proposed Domestic Action Plan for Lake Erie as the Thames River is an identified source of Phosphorus Representation on the committee remains constant including federal, provincial, First Nations, two CAs and the City The project manager continues to direct the work of the group and is managing the Water Management Plan creation, and the website that helps to communicate the initiative to the wider public University research housed at the Adelaide PCP, has capitalized on the initiative to attract water quality funding First Nations engagement has increased given the ability of the communities to mobilize interest with their youth
Next Steps	Water Management Plan scheduled for completion in Q2 / 2017
Further information	see website above
Next CWC report	Update reports are planned for fall of 2017

12. London Clean & Green Program	
Website	London Clean & Green
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"> • 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 • 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 • A calendar of events is produced annually to advertise the opportunities in the community (mid-April until late June)
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"> • The event coordinates activities, advertises events and provides a way for groups to engage in community building • 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)
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$30,000 • Business Partners = Major • Community Partners = Major
Overview - Recent Key Results	<ul style="list-style-type: none"> • Neighbourhood strengthening, increased awareness of our actions, the condition of our neighbourhoods and how stewardship starts with the individual • 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 • As noted, the London Clean & 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
Next Steps	London Clean & Green, working through the City of London, will have a larger role in the Canada150 London Program including the Signature Event being planned for April 21 – 23.
Further information	Consult the website for events, locations and activities
Next CWC report	Update reports are planned for second quarter of 2018

13. CityGreen - Enhancing Environmental Outreach and Strengthening Community Capacity	
Website	City of London CityGreen
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"> • CityGreen is an environmentally focused display that delivers a key message – Working Together for Sustainability • All environmental areas (built environment, natural environment) of the City of London participate with information and staff depending on the event • 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 • CityGreen operates throughout the year at major indoor and outdoor events in London • Assists other City service areas with major community outreach activities such as “London ON Bikes” and assist community groups with gaining additional exposure
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"> • City of London service areas with environmentally-related programs and activities (Environmental & Engineering Services, Planning, Neighbourhood, Children & Fire Services and Development & Compliance)
Value to Customers	<ul style="list-style-type: none"> • 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 • Participation in existing and new outreach activities with a wide range of communities (e.g., community associations; arts and cultural institutions; local employers; service clubs; and faith-based organizations)
Estimated City expenditures and/or in-kind	<ul style="list-style-type: none"> • City of London = \$40,000 • Business Partners = Minor • Community Partners = Minor
Overview - Recent Key Results	<ul style="list-style-type: none"> • Londoners are now recognizing CityGreen as being a regular feature at community events • Received Best Feature Display award at the 2017 Lifestyle Home Show • Obtained commitment from Carolinian Canada to host their regional “Go Wild Grow Wild” environmental expo in London a second year in 2017, including expansion possibilities • The Enviroworks insert (London Hydro bills) was rebranded to CityGreen for consistency and brand awareness
Next Steps	<ul style="list-style-type: none"> • Continue to build upon and improve environmental outreach methods and tools
Further information	City of London – Environmental Initiatives
Next CWC report	Not required unless further details requested