

AGENDA



ENVIRONMENTAL ADVISORY COMMITTEE

THE CORPORATION OF THE CITY OF MISSISSAUGA

TUESDAY, MAY 7, 2013 – 9 A.M.

COUNCIL CHAMBER

SECOND FLOOR, CIVIC CENTRE

300 CITY CENTRE DRIVE, MISSISSAUGA, ONTARIO, L5B 3C1

www.mississauga.ca

Members

Councillor George Carlson, Ward 11 (CHAIR)

Michael DeWit, Citizen Member (VICE-CHAIR)

Councillor Jim Tovey, Ward 1

Councillor Frank Dale, Ward 4

Dr. Brad Bass, Citizen Member

Elaine Hanson, Sheridan College, Office for Sustainability

Lucas Krist, Peel Environmental Youth Alliance

Lea Ann Mallett, Citizen Member

Val Otori, Citizen Member

Maureen Ricker, Citizen Member

Carl Rodgers, Citizen Member

Lucia Salvati, University of Toronto Mississauga

Diana Yoon, Peel Environmental Youth Alliance

Agency Liaison

Stephanie Crocker, EcoSource

CONTACT PERSON: Julie Lavertu, Legislative Coordinator

Office of the City Clerk, Telephone: 905-615-3200, ext. 5471; Fax 905-615-4181

Julie.Lavertu@mississauga.ca

CALL TO ORDERAPPROVAL OF AGENDADECLARATIONS OF DIRECT (OR INDIRECT) PECUNIARY INTERESTPRESENTATIONS/DEPUTATIONS

- A. Christopher Morgan, Program Manager: Air Quality, Environment & Energy Office, City of Toronto, with respect to Toronto's Future Weather & Climate Driver Study: Outcomes Report.
- B. Item 4 Ruwanthi Halwala, Intern, International Holistic Tourism Education Centre, with respect to the prevention of plastics from Mississauga entering rivers and the Great Lakes.

MATTERS TO BE CONSIDERED

- 1. Introduction of New Environmental Advisory Committee Citizen Members

The Environmental Advisory Committee's two new Citizen Members, Lea Ann Mallett and Carl Rodgers, will briefly introduce themselves to the Committee.

- 2. Approval of Minutes of Previous Meeting

Minutes of the meeting held March 5, 2013.

RECOMMEND APPROVAL

- 3. Enforcement Action Plan – Idling Control By-law 194-09

Corporate Report dated April 24, 2013 from the Commissioner of Transportation and Works with respect to the Enforcement Action Plan – Idling Control By-law 194-09.

RECOMMENDATION

That the Environmental Advisory Committee support the enforcement action plan outlined in the Corporate Report titled "Enforcement Action Plan – Idling Control By-law 194-09" from the Commissioner of Transportation and Works dated April 24, 2013.

RECOMMEND APPROVAL

4. Plastics Near Highway Exits

Email messages dated April 23, 2013 and March 27, 2013 from Julia Morton-Marr, Founding President, International Holistic Tourism Education Centre, and Ward 8 resident, with respect to plastics near highway exits.

DIRECTION REQUIRED5. Lakeview Waterfront Connection Environmental Assessment

Memorandum dated April 26, 2013 from Kate Hayes, Project Leader, Restoration and Stewardship, Credit Valley Conservation, with respect to the Lakeview Waterfront Connection Environmental Assessment.

RECOMMEND RECEIPT6. Natural Areas Survey 2012 Update

Memorandum dated March 19, 2013 from John Calvert, Director, Policy Planning Division, Planning and Building Department, with respect to the Natural Areas Survey 2012 update.

RECOMMEND RECEIPT7. Update on the Development of a Recognition Program

Memorandum dated April 25, 2013 from Andrea J. McLeod, Environmental Specialist, Environment Division, Community Services Department, with respect to an update on the development of a recognition program.

RECOMMEND RECEIPT8. Pipeline Proposals in Mississauga

Memorandum dated April 25, 2013 from Jeff Smylie, Environmental Engineer, Environmental Services, Transportation and Works Department, with respect to pipeline proposals in Mississauga.

RECOMMEND RECEIPT9. Upcoming Agenda Items and Environmental Advisory Committee (EAC) Role

Chart from Environment staff with respect to upcoming agenda items and Environmental Advisory Committee (EAC) role.

RECOMMEND RECEIPT

10. Status of Outstanding Issues from the Environmental Advisory Committee (EAC)

Chart dated May 7, 2013 from Julie Lavertu, Legislative Coordinator, Environmental Advisory Committee, with respect to the status of outstanding issues from the Environmental Advisory Committee.

RECOMMEND RECEIPT

INFORMATION ITEMS

DATE OF NEXT MEETING – Tuesday, June 4, 2013 at 9 a.m., Council Chamber

OTHER BUSINESS

ADJOURNMENT

MAY 07 2013

**MINUTES****ENVIRONMENTAL ADVISORY COMMITTEE**

THE CORPORATION OF THE CITY OF MISSISSAUGA

TUESDAY, MARCH 5, 2013 – 9 A.M.**COUNCIL CHAMBER****SECOND FLOOR, CIVIC CENTRE**

300 CITY CENTRE DRIVE, MISSISSAUGA, ONTARIO, L5B 3C1

www.mississauga.caMEMBERS/AGENCY LIAISONS
PRESENT:

Councillor George Carlson, Ward 11 (CHAIR)
 Michael De Wit, Citizen Member (VICE-CHAIR)
 Councillor Jim Tovey, Ward 1
 Councillor Frank Dale, Ward 4
 Dr. Brad Bass, Citizen Member
 Stephanie Crocker, EcoSource
 Lucas Krist, Peel Environmental Youth Alliance
 Lea Ann Mallett, EcoSource
 Rahul Mehta, EcoSource
 Maureen Ricker, Citizen Member
 Lucia Salvati, University of Toronto Mississauga
 Diana Yoon, Peel Environmental Youth Alliance (arrived at 9:21 a.m.)

MEMBERS/AGENCY LIAISONS
ABSENT:

Hassaan Basit, Citizen Member
 Elaine Hanson, Sheridan College, Office for Sustainability
 Val Ohori, Citizen Member

STAFF PRESENT:

Ella Basic, Public Affairs Consultant
 Mary Bracken, Environmental Specialist
 Jessica Corkum-Gorrill, Natural Areas and One Million Trees
 Project Coordinator
 Julius Lindsay, Community Energy Specialist
 Andrea J. McLeod, Environmental Specialist
 Brenda Osborne, Director, Environment
 Lisa Urbani, Environmental Research Assistant

CONTACT PERSON: Julie Lavertu, Legislative Coordinator

Office of the City Clerk, Telephone: 905-615-3200, ext. 5471; Fax 905-615-4181

Julie.Lavertu@mississauga.ca

CALL TO ORDER – 9:03 a.m.

APPROVAL OF AGENDA

Approved (F. Dale)

DECLARATIONS OF DIRECT (OR INDIRECT) PECUNIARY INTEREST – Nil

PRESENTATIONS/DEPUTATIONS

- A. Jessika Corkum-Gorrill, Natural Areas and One Million Trees Project Coordinator, with respect to the One Million Trees Mississauga Program Update.

Ms. Corkum-Gorrill gave a PowerPoint presentation dated March 5, 2013 and entitled “One Million Trees Mississauga Program Update” and discussed the Program’s support, goals, key partners, achievements to date, volunteer t-shirt for the 2013 launch, and next steps, including the launch event on April 20, 2013 at the Meadowvale Conservation Area and a Tree Planting Public Workshop with the Toronto and Region Conservation Authority (TRCA) at the Burnhamthorpe Community Centre on May 14, 2013. She encouraged Committee members to participate and raise awareness about the Program.

Committee members raised various issues including:

- The possibility of the City partnering with Acer for tree plantings at schools and the City’s four horticultural societies to promote the overall Program;
- The types of trees that will be planted as part of the Program and whether they are native and hardy species that are suitable for the City’s current and future climate;
- The calculation of trees on private property into the one million trees calculation and the possibility of encouraging residents to plant one tree per property and/or per resident via the Program and associated advantages and disadvantages;
- Past tree planting events and programs at schools in partnership with the City;
- Whether the Program will target certain areas of the City for tree plantings;
- The City’s overall tree-related by-laws, policies, and mindset;
- The need to engage with businesses so that they plant trees on their properties;
- The Program’s website, logo, residential strategy, affiliated programs, and overall promotion and the 2013 launch event and its location, time, and importance;
- The need to plant trees away from sewer and water lines in order to avoid issues;
- Boulevard and sidewalk trees in the City and associated planting practices, health, and other challenges, the Program vis-à-vis the latter, and the issues with planting horse chestnut trees and Norway maples on boulevards and near sidewalks;
- Whether the City is still planting Norway maples in the City’s public spaces; and
- The need to make residents, businesses, nurseries, landscapers, and other stakeholders aware about the Program and its goals for its overall success.

Ms. Yoon arrived at 9:21 a.m.

Ms. Corkum-Gorrill answered the Committee's above-noted comments and questions. Of note, she said that the Program includes the planting of both trees and shrubs and that Credit Valley Conservation and the TRCA have existing programs regarding the planting of trees in corporate areas and that the Program will highlight these various programs.

Recommendation

EAC-0007-2013

That the PowerPoint presentation, dated March 5, 2013 and entitled "One Million Trees Mississauga Program Update," by Jessika Corkum-Gorrill, Natural Areas and One Million Trees Project Coordinator, to the Environmental Advisory Committee on March 5, 2013 be received.

Received (M. Ricker)

- B. Mary Bracken, Environmental Specialist, with respect to 2012 "Reporting Out" on Living Green.

Ms. Bracken presented a PowerPoint presentation dated March 5, 2013 and entitled "2013 Report on Living Green" and discussed the White Paper and Highlights Report and their purpose, content, and associated timelines. She said that the White Paper and Highlights Report will be released to Council at their meeting on April 10, 2013 and that staff will provide the Committee with the White Paper and Executive Summary on May 7, 2013 and make a deputation on this matter at the Committee's meeting in May 2013.

Dr. Bass discussed City initiatives that are not directly linked to Environment staff or the Living Green Master Plan (LGMP) (e.g. the Stormwater Financing Study) and how these matters will be captured in the 2012 "reporting out" process. Ms. Bracken responded that the process will focus on all of the City's environmental initiatives that contribute to the LGMP's goals and objectives, rather than only those that were included in the LGMP.

Recommendation

EAC-0008-2013

That the PowerPoint presentation, dated March 5, 2013 and entitled "2012 Report on Living Green," by Mary Bracken, Environmental Specialist, to the Environmental Advisory Committee on March 5, 2013 be received.

Received (Dr. B. Bass)

MATTERS CONSIDERED

1. Approval of Minutes of Previous Meeting

Minutes of the meeting held February 5, 2013.

Approved (J. Tovey)

2. Let Your Green Show Awareness Campaign – Phase 2

Memorandum dated February 21, 2013 from Andrea J. McLeod, Environmental Specialist, with respect to the Let Your Green Show awareness campaign – phase 2.

Ms. McLeod gave an overview of her Memorandum and discussed the campaign's second phase (which will focus on using less water), partners, and logistics, including actions and greenbacks for participants. She said that the Region's three municipalities will participate in the second phase and have their own Greenest Ward Awards and that volunteers will attend events across the Region to sign up participants. Ms. McLeod added that the second phase will be launched on March 22, 2013 and that Committee members have been invited to the launch which will coincide with the Ward 1 skating party at the Port Credit Memorial Arena to celebrate their Greenest Ward Award from the campaign's first phase. She added that marketing materials will be available soon and asked Committee members to suggest any events that their volunteers should attend.

Councillor Tovey discussed the campaign's second phase and its overall importance. He spoke about the campaign's upcoming launch event and Ward 1 skating party and encouraged Committee members and others to attend and participate in the campaign.

Recommendation

EAC-0009-2013

That the Memorandum, dated February 21, 2013 and entitled "Let Your Green Show Awareness Campaign – Phase 2," from Andrea J. McLeod, Environmental Specialist, be received.

Received (J. Tovey)

3. Earth Hour 2013

Memorandum dated February 22, 2013 from Julius Lindsay, Community Energy Specialist, with respect to Earth Hour 2013.

Mr. Lindsay gave an overview of his Memorandum and discussed the City's involvement in Earth Hour, including goals, partners, sponsors, lighting and energy reduction at City facilities, promotion, and the "I Will If You Will" (IWIYW) campaign. He noted that the Earth Hour movement has shifted its focus from a one-hour event to encouraging people to go beyond the hour and to live more sustainably every day. Mr. Lindsay said that the Mayor has agreed to participate in the IWIYW campaign which will be launched on March 22, 2013 as part of the Let Your Green Show (LYGS) campaign's second phase.

Committee members discussed the City's Earth Hour events in 2012 versus 2013, the IWIYW campaign and its timelines, logistics, and Mayor's pledge, and the Peel Environmental Youth Alliance's Earth Hour 2013 event at Whole Foods Mississauga.

Mr. Lindsay answered the Committee's above-noted comments and questions.

Recommendation

EAC-0010-2013

That the Memorandum, dated February 22, 2013 and entitled "Earth Hour 2013," from Julius Lindsay, Community Energy Specialist, be received.

Received (F. Dale)

4. Living Green Earth Days 2013

Ms. Basic gave a verbal update and noted that the month-long event begins in April 2013 and includes various events, including a Cooksville Creek Trail clean-up, tree planting at the Meadowvale Conservation Area on April 20, 2013, and a 20-minute makeover on April 22, 2013. She said that Glad is donating garbage and recycling bags, discussed the City's promotion of the events, and encouraged residents and businesses to register and obtain more information online starting April 18, 2013 at www.mississauga.ca/earthdays.

The Chair said that he will be handing out promotional items from past environmental events at Streetsville's clean-up event and asked whether new branded t-shirts will be available for distribution to participants. Ms. Basic responded that t-shirts will not be distributed at the Living Green Earth Days 2013 events, but that she would follow up with Ms. Corkum-Gorrill regarding the types and distribution of t-shirts for the One Million Trees Mississauga Program. Ms. Osborne suggested that Committee members wear their LYGS organic cotton t-shirts to Living Green Earth Days 2013 events.

Committee members discussed the advantages and disadvantages of distributing t-shirts as promotional items, the possibility of using organic cotton or other sustainable materials for the City's t-shirts, and events targeting rivers and streams which often have garbage.

Ms. Basic answered the Committee's above-noted comments and questions. Ms. Osborne invited Committee members to sign an Earth Hour pledge board after the meeting.

5. Our Municipality Can Help Stop Climate Change

Email message dated February 1, 2013 from Danish Sarwar, Ward 5 resident, with respect to how our municipality can help stop climate change.

Ms. Osborne discussed Mr. Sarwar's email message and noted that it had been emailed to various Members of Council. She suggested that this matter be referred to staff so that they could review whether municipalities have the legal authority to pass a by-law that would require gasoline retailers to place warning labels on their gas pump nozzles regarding the harms associated with the consumption of fossil fuels.

Committee members discussed Mr. Sarwar's suggestion and the possibility of using stickers at gasoline stations and other venues to highlight various environmental issues, the disadvantages of using such stickers solely at gasoline stations, and the need to

effectively inform the public regarding the City's environmental issues and campaigns.

Recommendation

EAC-0011-2013

That the email message dated February 1, 2013 from Danish Sarwar, Ward 5 resident, with respect to how our municipality can help stop climate change, be received and referred to staff for further review and returned to a future Environmental Advisory Committee meeting for consideration.

Received/Referred (F. Dale)

6. Resignation Email Message from Hassaan Basit, Environmental Advisory Committee Citizen Member

Resignation email message dated January 17, 2013 from Hassaan Basit, Environmental Advisory Committee Citizen Member, advising Councillor George Carlson, Environmental Advisory Committee Chair, of his resignation from the Environmental Advisory Committee.

In response to the Chair, Ms. Lavertu discussed the process for filling Citizen Member vacancies and said that all vacancies on the City's Advisory Committees will be filled in late March/early April 2013 which also coincides with the mid-term point in the citizen appointment terms of Citizen Members at which time they will be asked whether or not they wish to complete their terms. The Chair thanked Mr. Basit for his years of service and contributions to the Committee and noted that work obligations led to his resignation.

Recommendation

EAC-0012-2013

That the resignation email message dated January 17, 2013 from Hassaan Basit, Environmental Advisory Committee Citizen Member, advising Councillor George Carlson, Environmental Advisory Committee Chair, of his resignation from the Environmental Advisory Committee, be received.

Received (L. Krist)

7. Upcoming Agenda Items and Environmental Advisory Committee (EAC) Role

Chart from Environment staff with respect to upcoming agenda items and Environmental Advisory Committee (EAC) role.

Recommendation

EAC-0013-2013

That the chart from Environment staff with respect to upcoming agenda items and Environmental Advisory Committee (EAC) role be received.

Received (M. Ricker)

8. Status of Outstanding Issues from the Environmental Advisory Committee (EAC)

Chart dated March 5, 2013 from Julie Lavertu, Legislative Coordinator, Environmental Advisory Committee, with respect to the status of outstanding issues from the Environmental Advisory Committee.

Recommendation

EAC-0014-2013

That the chart dated March 5, 2013 from Julie Lavertu, Legislative Coordinator, Environmental Advisory Committee, with respect to the status of outstanding issues from the Environmental Advisory Committee be received.

Received (F. Dale)

INFORMATION ITEMS – Nil

DATE OF NEXT MEETING – Tuesday, April 2, 2013 at 9 a.m., Council Chamber

OTHER BUSINESS – Nil

ADJOURNMENT – 10:05 a.m. (Dr. B. Bass)

MAY 07 2013



Corporate Report

Clerk's Files

Originator's
Files

DATE: April 24, 2013

TO: Chair and Members of the Environmental Advisory Committee
Meeting Date: May 7, 2013

FROM: Martin Powell, P. Eng.
Commissioner, Transportation and Works

SUBJECT: **Enforcement Action Plan – Idling Control By-law 194-09**

RECOMMENDATION: That the Environmental Advisory Committee support the enforcement action plan outlined in the Corporate Report titled “Enforcement Action Plan – Idling Control By-law 194-09” from the Commissioner of Transportation and Works dated April 24, 2013.

**REPORT
HIGHLIGHTS:**

- In 2001, the City delivered an anti-idling awareness campaign.
- On June 24, 2009 the City of Mississauga's enacted the Idling Control By-law 194-09.
- Following approval of the Idling Control By-law 194-09, the existing anti-idling awareness campaign was re-launched with updated tactics and materials to include specific information on the by-law; and, in 2009 and 2010, the City partnered with the Community Environment Alliance to deliver EcoDriver workshops in the Corporation and throughout Mississauga.
- Enforcement of the Idling Control By-law 194-09 commenced upon Council approval of the by-law on June 24, 2009 on a reactive basis in response to complaints.
- An Anti-Idling Enforcement Team was established on a trial basis,

comprising three Parking Enforcement officers and with a mandate to patrol both City and private property on a proactive basis and enforce the provisions of the Idling Control By-law 194-09.

- The pilot project started on March 1, 2012 and concluded on May 31, 2012; and, at the conclusion of the pilot project, 98 tickets were issued for violations of the Idling Control By-law 194-09 and approximately 150 educational pamphlets were distributed.

BACKGROUND:

In 2001, the City delivered an anti-idling awareness campaign. Initially, the campaign was part of a pilot with Natural Resources Canada to encourage the citizens of Mississauga to reduce unnecessary idling of vehicles. As part of the pilot the City delivered educational blitzes at idling hot spots throughout Mississauga, such as schools, community centres and GO Transit stations; installed idle-free zone signs at City facilities; and, developed a variety of promotional materials.

The City of Mississauga's Idling Control By-law 194-09 was enacted and passed on June 24, 2009. The intent of the by-law is to encourage the community to contribute to the overall reduction of vehicle emissions in the City of Mississauga. When the Idling Control By-law was developed in 2009, consensus input from multiple internal and external stakeholders, including Mississauga's Environmental Advisory Committee, Enforcement Division staff and the Medical Officer of Health from the Region of Peel, supported an idling time of three minutes. At that time, three minutes was consistent with a number of municipalities with similar by-laws. Since then other municipalities, including the City of Brampton, have adopted idling by-laws with the same time restriction.

Idle-Free Education Blitzes

Following approval of the Idling Control By-law 194-09, the existing anti-idling awareness campaign was re-launched with updated tactics and materials to include specific information on the by-law. This is the current Idle-Free campaign.

As part of the Idle-Free campaign, educational blitzes continued in the community to educate motorists on the Idling Control By-law 194-09 and provide information, in the form of mock tickets and vehicle magnets, on the impact of the idling of vehicles on greenhouse gas emissions and air quality. In October 2009, City staff from the Environmental Management section of the Recreation and Parks Division and municipal law enforcement officers (MLEOs) from the Compliance and Licensing Enforcement section of the Enforcement Division worked together to execute an educational blitz. This educational blitz targeted elementary schools, community centres and the University of Toronto in Mississauga. During the week-long blitz, 159 drivers were provided information on the City's Idling Control By-law 194-09.

In April of 2010, a second educational blitz was undertaken specifically addressing school zones. During this blitz week, 130 drivers were provided information on the Idling Control By-law 194-09. Additionally, the Mississauga Living Green display was set-up at three community centres during the week: Cawthra, Clarkson and Frank McKechnie. Residents who visited the display were provided with information on the City's Idling Control By-law 194-09. Due to the success of these two educational blitz weeks in school zones, the blitzes have continued but are now undertaken directly by interested schools using an Anti-Idling Tool-kit prepared by the Greater Toronto Area Clean Air Partnership, of which the City is a member. This tool-kit provides schools with the necessary resources to run their own anti-idling campaign. Additionally, schools participating in the City's Green Chair program are required to hold an education blitz as one environmental initiative to obtain their Green Chair certification.

Idle-Free Zone Signage Inventory

From September to November 2009, City staff visited 40 City facilities to determine if anti-idling signage from the 2001 campaign was still present and/or needed to be replaced. Starting in 2010, installation of updated Idle-Free signage has been occurring on an annual basis.

EcoDriver Workshops

In 2009 and 2010, the City partnered with the Community Environment Alliance to deliver EcoDriver workshops in the Corporation and throughout Mississauga. These workshops provided guidance on how to drive more efficiently, highlighted the Idling Control By-law 194-09 and policy, and provided information on the City's Employee Smart Commute Program. Everyone who attended an EcoDriver workshop was provided with Idle-Free promotional materials.

There were two advertised community EcoDriver workshops hosted during the October 2009 blitz week. One was held at Clarkson Community Centre which had zero attendance and one at Frank McKechnie Community Centre which had five people attend. Due to the low turnout, it was recommended to remove this tactic from the campaign strategy.

As part of the internal communication tactics, six EcoDriver sessions were held for City staff between June 2009 and May 2010.

Mississauga Living Green Website

Information on the City's Idling Control By-law 194-09 is available on the City's environmental web pages. Interested members of the community can also contact the Environment Division for information and resources.

As part of the new Living Green blog, the City issues regular anti-idling related posts and reminders regarding the by-law.

Idle-Free Promotional Materials

As part of the campaign re-fresh in 2009, Idle-Free posters were distributed to all City facilities for display. Additionally, the main information pieces (mock tickets and idle-free flashlights) are made available whenever the Living Green display is in use.

Community Education

On an as required basis, City staff deliver Idle-Free awareness outreach when issues arise at specific locations through-out the City. City staff have worked with individual companies and schools to help educate their drivers and customers about the Idling Control By-law 194-09 and the hazards of vehicle idling.

Enforcement of the Idling Control By-law 194-09

Enforcement of the Idling Control By-law 194-09 commenced upon Council approval of the by-law on June 24, 2009 on a reactive basis in response to complaints. On receipt of a complaint, MLEOs from Compliance and Licensing Enforcement monitor the area of concern. Since that time, educational blitzes were conducted in response to complaints but tickets were not issued.

PRESENT STATUS:

In January of 2012 staff from the Enforcement and Environmental Divisions met to discuss opportunities to seek greater compliance with the Idling Control By-law 194-09. As a result, an Anti Idling Enforcement Team was established on a trial basis, comprising of three Parking Enforcement officers. The mandate of the Team was to patrol both City and private property on a proactive basis and enforce the provisions of the Idling Control By-law 194-09. Where applicable, enforcement was undertaken and tickets were issued. Parking Enforcement officers also provided written educational information in addition to the ticket, and where appropriate, provided a warning only. In addition, Parking Enforcement officers collected data on all aspects of this initiative.

The pilot project started on March 1, 2012 and concluded on May 31, 2012. At the conclusion of the pilot project, 98 tickets were issued for violations of the Idling Control By-law 194-09 and approximately 150 educational pamphlets were distributed.

COMMENTS:

The pilot enforcement project was initiated in March 2012 and concluded in May 2012 and was successful due to the proactive enforcement strategy that was implemented by Parking Enforcement. The proactive style of enforcement permitted officers to actively

investigate key areas such as school zones, industrial areas, shopping malls and various private properties throughout the city that were identified as problematic areas, rather than simply investigating specific locations after-the-fact in response to complaints.

It is anticipated that once an Administrative Penalty System (APS) is implemented, enforcement of the provisions of the Anti-Idling By-law 194-09 will be undertaken under the APS resulting in violation notices being issued to offenders instead of the current Part 1 tickets issued under the *Provincial Offences Act*.

Sections 151(1) (g), (5) and 102.1 of the Municipal Act, 2001 establishes the new statutory authority for municipalities to implement a system of administrative penalties for the enforcement of licensing and parking by-laws. Ontario Regulation 333/07, under the *Municipal Act, 2001*, allows municipalities to establish an administrative penalty system (APS) for administering, disputing and resolving most minor parking infractions as an alternative to the current system of parking tickets being processed under Part II of the *Provincial Offences Act*.

Actions of Other Municipalities

A survey of surrounding municipalities (see Appendix 1) indicates that enforcement is being performed using an education component combined with proactive and/or reactive enforcement. In particular, the Town of Oakville and the cities of Burlington and Cambridge are enforcing their by-laws on a proactive basis.

Proposed Enforcement Action Plan

Given the success of the pilot project conducted by Parking Enforcement in 2012, it is recommended that the Idling Control By-law 194-09 be enforced on a proactive and reactive basis by Parking Enforcement officers. The education components associated with the regulation of this by-law would continue and would not be affected by this change.

Moreover, this change achieves the following objective to more effectively regulate idling in the City: it moves responsibility for the regulation of the Idling Control By-law 194-09 from MLEOs in the Compliance and Licensing Enforcement section of the Enforcement

Division, who do not regularly patrol City streets and who enforce the By-law on a reactive basis in response to complaints, to Parking Enforcement officers, who patrol City streets, and who will enforce the by-law on both a proactive and reactive basis.

STRATEGIC PLAN: Mississauga's Strategic Plan

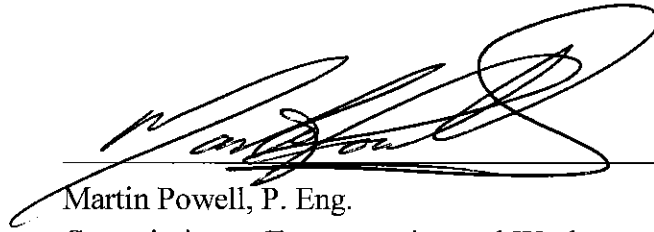
One of the five Strategic Pillars for Change in the City's Strategic Plan is Living Green. Two of the Strategic Goals for this Pillar support proactive enforcement of the Idling Control By-law 194-09. The applicable Strategic Goals are noted below:

- "Lead and Encourage Environmentally Responsible Approaches – to lead and promote the utilization of technologies and tactics to conserve energy and water, reduce emissions and waste, improve our air quality and protect our natural environment."
- "Promote a Green Culture – to lead a change in behaviours to support a more responsible and sustainable approach to the environment, that will minimize our impact on the environment and contribute to reversing climate change."

FINANCIAL IMPACT: The proposed enforcement action plan can be accommodated with existing resources and will not require additional regular full-time Parking Enforcement officers.

CONCLUSION: This report provides a history of the regulation of the Idling Control By-law 194-09, including the results of the pilot project implemented in 2012 for proactive enforcement of the By-law. In addition, this report recommends that the Environmental Advisory Committee support an enforcement action plan for the Idling Control By-law 194-09 that provides for proactive and reactive enforcement of the by-law by Parking Enforcement officers.

ATTACHMENTS: Appendix 1: Idling Control By-laws of Different Municipalities

A handwritten signature in black ink, appearing to read "Martin Powell", is written over a horizontal line.

Martin Powell, P. Eng.
Commissioner, Transportation and Works

Prepared By: Kevin Kealy, Acting Supervisor, Parking Enforcement

Idling Control By-laws In Different Municipalities

City of Toronto:

- Municipal Code Chapter 517, Idling of Vehicles and Boats, By-law No. 775-2010
- 1 minute time limit in a 60 minute period.
- Transportation Services By-law Officers and Toronto Police Service enforce the by-law on reactive basis. No resources to enforce on Proactive basis.
- Anti-idling educational materials produced by Public Health and Transportation Services are distributed to civic, community and recreational centres, daycare facilities, public libraries, major car rental agencies, schools and driving schools. City of Toronto parking permits also include information on the idling by-law. During twice-yearly idling control blitzes, Transportation Services enforcement staff, with support from Toronto Police Service officers, provide education and information about the idling control by-law and the benefits of vehicle emissions reduction. Currently, education and outreach is focussed on the air quality benefits of reduced idling. Amending the by-law provides an opportunity to update the education materials to include information on the importance of mitigating greenhouse gas emissions. Providing information about the contribution of vehicle emissions to climate change also supports effort to encourage healthier, more sustainable approaches to travel in Toronto, such as walking and cycling.
- Between January 2009 and December 2011, the City of Toronto issued approximately 1,625 warnings, 98 tickets and 10 Summons.

City of Hamilton:

- Idling Control By-law Bill No. 160.
- 3 minute time limit in a 60 minute period.
- Municipal Law Enforcement Officers under the City's Parking and By-Law Services enforce the idling by-law.
- The campaign consists of two parts: **an internal campaign** directed at City-owned fleets and City employees; and an external campaign, directed at the community. Much of the work for the internal campaign has been completed. Anti-idling traffic signs have been designed and produced and will be installed at 18 sites on City-owned property. Brochures have been prepared and will be distributed to City employees. Training will be provided to employees who operate City-owned vehicles.
- The City is working with Green Venture and Clean Air Hamilton in launching a broader idling awareness campaign Idling Stinks Hamilton that is directed at the community.
- **City-wide Campaign:** The campaign is focused on three pillars: Raising awareness of the negative impacts of idling in the general public; raising awareness and reducing idling behaviour at schools; and working with fleet operators to realize that anti-idling saves money and helps the environment.
- Statistical data on complaints, warnings and the issuance of tickets is not available on-line and was not provided to City of Mississauga, when staff inquired.

City of Brampton:

- Idling Control By-law No. 133-2011
- 3 minute time limit
- Municipal Law Enforcement Officers and Peel Police Services enforce the Idling Control By-law. By-law was enacted in 2011; however, enforcement of the bylaw has not been implemented. Currently the City of Brampton is reviewing enforcement strategies and have not yet implemented any enforcement of the By-law. City of Brampton have received approximately 15 citizen complaints on Idling but no charges have been laid.
- The City of Brampton launched an educational campaign on the Idling. Brochures, ads on bus shelters, 15 second ads at Brampton movie theatres and handing out snow scrappers with idle-free decal.

City of Cambridge:

- Anti-idling By-law 164-09; This by-law is for designated key areas within the City where air quality improvements can be most beneficial – these are zones at schools and the highly pedestrian civic square area around City Hall.
- 1 minute time limit
- Parking Enforcement Officers enforce the by-law at the designated key areas on a proactive and reactive basis.
- While the by-law was approved by Cambridge City Council in 2009, there was a public education period that enabled them to spread the word, engage the community groups and share the details about the by-law before they commenced enforcement. To-date, there have been a total of five warnings and nine tickets issued for violators of this by-law.

City of Burlington:

- Idling Control By-law 27-2009
- 1 minute time limit
- Between June 2009 and December 2012, there were 45 tickets and 58 warnings issued.
- By-law Enforcement Officers enforce the by-law on a reactive basis.
- The city's sustainability staff have been actively raising awareness about unnecessary idling since 2003. Ads are placed in the Burlington Post, articles are published as necessary in city publications, staff talk to students and teachers at school board events while promoting the resources that are available to schools free of charge and Community displays are set up.

Town of Oakville

- Anti-idling By-law 2002-153
- 5 minute time limit
- Enforced by Municipal Law Enforcement Officers and Police Officers; reactive basis only
- Between January 2010 and December 2012, there have been 15 complaints received and 3 tickets issued.
- Outreach and education surrounding the by-law includes involving school communities and promotion of the by-law at idling hotspots (Ford Motor Plant, Schools, etc). The town runs an ongoing smog reduction education campaign, targeting town employees. Town vehicles and equipment have stickers reminding staff not to idle.

MAY 07 2013

Julie Lavertu

From: Brenda Osborne
Sent: 2013/04/24 10:59 AM
To: Carol Horvat
Cc: Karen Morden; Julie Lavertu
Subject: RE: Plastics near Highway exits

Carol,

It looks like Ms. Morton-Marr has just re-sent her original email and attachments, but we will certainly include her latest correspondence.

Thank you.
Brenda

From: Hazel McCallion
Sent: 2013/04/24 9:34 AM
To: Brenda Osborne
Cc: Karen Morden
Subject: FW: Plastics near Highway exits

April 24, 2013

Brenda,

Please find attached another e-mail from Ms. Morton-Marr. As you are aware, her previous e-mail to the Mayor is being placed on the May 7th EDAC agenda. It is our request that this e-mail be placed on that agenda as well for the committee's review and response back to Ms. Morton-Marr directly.

Thank you.

Carol

From: Julia Morton-Marr [<mailto:ihtec@3web.com>]
Sent: 04/23/2013 1:58 PM
To: Hazel McCallion
Subject: Plastics near Highway exits

Mayor Hazel McCallion
City of Mississauga
Ontario, Canada

27 March 2013

Dear Mayor Hazel

Travelling of the Highway 403 this week, I was sad to see all the plastics on the land by the exits. I have met Captain Charles Moore, in Honolulu, Hawaii, USA last October, who has researched the plastic garbage in the Western Pacific Gyre and written about the plastic in the ocean in his book "Plastic Ocean". As a result Charles

asked me to hold discussions in Canada re the plastics and the garbage that can go from land to streams and rivers, into the Great Lakes and then out into the ocean. <http://www.algalita.org>

Last November, I was asked to speak to the World Citizens, Mississauga, by Dorothea Sheasby. I have attached the flyer that I made for the event, based on the Kokua Hawaii Foundation's flyer, and my speaking / research notes for you. I have also bought the 'Plastic Ocean' DVD movie, so that you and all your staff for the City of Mississauga, know about the problem. Plastics plus CO2 emissions are killing millions of species, both in the ocean and birds on land. This is happening in all the 5 Ocean Gyres and is a very serious problem.

<http://5gyres.org/>

Here are a few more ideas for action and discussion.

- a. Present to council the flyer and my World Citizen speech and research.
- b. Develop a staged plan for removal of plastic packaging.
 - i. Create an act for "households to collect plastic and get paid by the pound or kilo, like bottle returns.
 - ii. Keep Mississauga Beautiful - fine \$5000
 - iii. Encourage businesses to do the same.
 - iv. Ensure no plastic use in Municipal properties.
 - vi. Encourage manufacturing and businesses to focus on cradle to cradle production.
 - vii. Ban all plastics.

Please could the City to contact whoever does their clean up the garbage on the sides of the roads, as soon as possible, before it gets into the streams and rivers of melting ice.

As an educator on Global Issues, I request that you please bring it to the attention of the Council, your staff. I plan to send a copy of this email to my local council member Katie Mahoney, Ward 8.

Thank you for your attention to this matter.

Julia

Julia Morton-Marr
Mississauga Citizen, Ward 8

Julie Lavertu

From: Brenda Osborne
Sent: 2013/03/28 3:57 PM
To: Hazel McCallion
Cc: Ivana Di Millo; Julie Lavertu; Marie Fitzpatrick
Subject: FW: Time sensitive request from Mayor's Office - EAC follow-up - Plastics near Highway exits
Attachments: WordCitizenSpeech.pdf; PlasticFreeOceanMississauga.pdf
Importance: High

Mayor McCallion,

I would like to confirm that Ms. Morton-Marr's email message will be placed on the Environmental Advisory Committee's May 7, 2013 agenda. In addition, I have forwarded Ms. Morton-Marr's email to Mr. Arsenault at the Ontario Ministry of Transportation (with a copy to you) requesting he address the litter reported by Ms. Morton-Marr along the exit ramps of Highway 403 in Mississauga.

Thank you,
Brenda

Brenda E. Osborne,
Director, Environment
Community Services Department
City of Mississauga
201 City Centre Drive, 9th Floor
Mississauga, ON L5B 2T4
Tel: 905-615-3200 Ext. 3217
Fax: 905-615-3554

Follow the Living Green blog at www.mississauga.ca/livinggreen



Please consider the environment before printing this email

From: Hazel McCallion
Sent: March 27, 2013 1:50 PM
To: Ivana Di Millo; Karen Morden
Subject: FW: Plastics near Highway exits

March 27, 2013

The attached e-mail was received by the Mayor and is being forwarded to you for consideration by the LitterNot Team and the Environmental Advisory Committee.

Carol Horvat
Executive Assistant to the Mayor
City of Mississauga
300 City Centre Drive, 3rd Floor
Mississauga, Ontario L5B 3C1
Tel: (905) 615-4030
Fax: (905) 896-5879

"This e-mail may not be forwarded or shared without written permission of the author."

From: Julia Morton-Marr [<mailto:ihtec@3web.com>]
Sent: 03/27/2013 1:43 PM
To: Hazel McCallion
Subject: Plastics near Highway exits

Mayor Hazel McCallion
City of Mississauga
Ontario, Canada

27 March 2013

Dear Mayor Hazel

Travelling of the Highway 403 this week, I was sad to see all the plastics on the land by the exits. I have met Captain Charles Moore, in Honolulu, Hawaii, USA last October, who has researched the plastic garbage in the Western Pacific Gyre and written about the plastic in the ocean in his book "Plastic Ocean". As a result Charles asked me to hold discussions in Canada re the plastics and the garbage that can go from land to streams and rivers, into the Great Lakes and then out into the ocean. <http://www.algalita.org>

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As an educator on Global Issues, I request that you please bring it to the attention of the Council, your staff. I plan to send a copy of this email to my local council member Katie Mahoney, Ward 8.

Thank you for your attention to this matter..

Julia

Julia Morton-Marr
Mississauga Citizen, Ward 8

Event: World Citizens November Meeting

Held: The Great Wok of China, Central Parkway Mall, 377 Burnhamthorpe Road East Mississauga, ON L5A 3Y1 (905) 276-7665).

Date: Sunday 25 November 2012

Topic: Peace and Environmental Education in the Pacific Islands - Plastics in the Ocean Gyre.

Speaker: Julia Morton-Marr, President IHTEC.

CURRENT OCEAN RELATIONSHIPS AND ISSUES

1. The ocean is a desert.
2. We came from the ocean. Our blood is salty.
3. Permian Extinction - 1/4 billion years ago - Life on Earth nearly came to the end.
4. The same situation exists today.
 - a. Human made carbon emissions have caused Climate Change and are reducing the Oxygen exchange in the ocean..
 - b. Ocean produces over 50% of the Earth's Oxygen
 - c. Photosynthesis by the Phytoplankton that live on the ocean surface are microscopic ocean plants that form the base of life for all ocean ecosystems;.
 - d. The Ocean is warming - rising temperatures cause species to move and feed somewhere else or they die.
 - e. Ocean acidification
5. Other facts
 - a. Sea Level Rise - The ocean is already rising esp around islands.
 - b. Coastal regions are losing land.
 - c. Storms are increasing in size, frequency and intensity
 - d. 405 Dead Zones - no oxygen, increase of jelly fish - caused by fertilizers and other poisons.
 - e. UV light killing the marine grasses and affecting krill
 - f. Over fishing - Japan - Bottom dragnets for fish
 - g. Bouy's, fishing nets, in huge bundles.

FACTS ON PLASTICS

1. Plastic was created by Alexander Parkes who publicly demonstrated it at the 1862
2. Made out of oil.
3. 1938 - Polystyrene made practical
4. **This means that human have only been manufacturing plastics for 74 years.**
5. **On land plastics are estimated to disintegrate between 500 to 1000 years.**
6. Travel from land to rivers, Great Lakes, to the ocean.

FACTS ON PLASTICS IN THE OCEAN

Plastic Ocean lecture by Captain Charles Moore, Algalita Marine Research Foundation
At the University of Hawaii Manoa, Laboratory School, Honolulu, Hawaii. Sunday, 14 October 2012.

7. In sea water they breakdown into small pellets from sun and sea water.
8. About 44 percent of all seabirds eat plastic, apparently by mistake, sometimes with fatal effects.
9. 267 marine species are affected by plastic garbage—animals are known to swallow plastic bags, which resemble jellyfish in mid-ocean.
10. Plastic Ocean lecture by Charles Moore. University of Hawaii Manoa, Laboratory School, Honolulu, Hawaii. Sunday, 14 October 2012.
 - a. The Western Garbage Patch or Gyre between Japan and Hawaii.
 - b. The Eastern Garbage Patch is plastics, bouy's and nets that cannot be linked to the tsunami.
 - c. In the gyre - like a plastic soup.
 - d. All the earth's oceans have plastic soup in them.
 - e. Plastic is 55% of the bio-mass in the Gyre. Increasing over time.
 - f. Plastic is another oil product - Carbon emissions cycle.
 - g. Most nurdles - the basic substance that plastic are made of.
 - h. There was a nurdle spill from a fish farm in Hong Kong. Nurdles are pre-production plastic resin pellet typically under 5 mm (0.20 in) in diameter found outside of the typical plastics manufacturing stream.
 - i. Approximately 60 billion pounds (27 million tonnes) of nurdles are manufactured annually in the United States.
http://en.wikipedia.org/wiki/Plastic_particle_water_pollution
 - j. Plastic pellets absorb pollution and last for a very long time.
 - k. They break down in the seawater and sun into tiny pieces and don't disappear.
 - l. All species are at risk, especially from plastics.
 - m. Turtles are eating plastic balloons. - Miki Tomita
 - n. Sand is full of plastic which is affecting turtles from laying eggs.
 - o. Coral is growing on plastic
 - p. 100,000 Shearwater & Laysan Albatross are dying from bottle tops and caps. 40% chicks die from eating plastics.
i. <http://www.youtube.com/watch?v=PS11ECJyESU>
 - q. **Lantern Fish**, very small, eat plastic, then they can't sink and die. They are the basis of life in the ocean. Many species eat the lantern fish.
 - r. We eat fish so plastic is getting into the food chain. Could it be causing obesity?
<http://ocean-aid.org/2011/06/08/fish-eat-ocean-gyre-plastic-that-means-we%E2%80%99re-eating-plastic-too/>
11. Tsunami in Japan
 - a. Japanese officials estimate 5 million tons of debris were dumped in to ocean.
 - b. 70% sank off shore = 1 years worth in a day.
 - c. 1.5 million tons are floating across the Pacific.
 - d. Hawaiian beaches are littered.

- e. 95% will be collected into the Pacific Ocean two Gyres.

RESOURCES

Moore, Captain Charles "PLASTIC OCEAN"
weblinks <http://www.algalita.org>

Please consider not buying things in plastic or with plastic around them. When you watch these video's you will see why.

<https://www.youtube.com/watch?v=XxNqzAHGXvs>

With Capt. Charles Moore

Garbage Ocean movie

<https://www.youtube.com/watch?v=D41rO7mL6zM> Part 1

http://www.youtube.com/watch?annotation_id=annotation_634288&feature=iv&index=3&list=PLDbSvEZka6GEK_heOAEr2k-3eaK6O4803&src_vid=3GX-y1Z1w00&v=X5ZKk11R56o Part 3

Other video's

<https://www.youtube.com/watch?v=SQh898IcOgM&feature=fvwrel>

<https://www.youtube.com/watch?v=IbGDNpRTKxg&feature=fvwrel>

50 ways to save the Ocean - also a book by David Helvarg with Philippe Cousteau.

<https://www.youtube.com/watch?v=hH5HmvLaiRc&feature=BFa&list=PL161EF518B71764E2>

David Attenborough on plastics in the ocean

https://www.youtube.com/watch?v=c7MtuG2I_f0

Timeline - Beginning of the Plastic Era with Semi Synthetics

- 1839 - Polystyrene or PS discovered - Eduard Simon
- 1862 - Parkesine - Alexander Parkes
- 1863 - Cellulose Nitrate or Celluloid - John Wesley Hyatt
- 1872 - Polyvinyl Chloride or PVC - first created by Eugen Baumann
- 1894 - Viscose Rayon - Charles Frederick Cross, Edward John Bevan

Timeline - Thermosetting Plastics and Thermoplastics

- 1908 - Cellophane ® - Jacques E. Brandenberger
- 1909 - First true plastic Phenol-Formaldehyde tradenamed Bakelite
- Leo Hendrik Baekeland
- 1926 - Vinyl or PVC - Walter Semon invented a plasticized PVC.
- 1927 - Cellulose Acetate
- 1933 - Polyvinylidene chloride or Saran also called PVDC - accidentally discovered by Ralph Wiley, a Dow Chemical lab worker.
- 1935 - Low-density polyethylene or LDPE - Reginald Gibson and Eric Fawcett
- 1936 - Acrylic or Polymethyl Methacrylate
- 1937 - Polyurethanes tradenamed Igamid for plastics materials and Perlon for fibers. - Otto Bayer and co-workers discovered and patented the chemistry of polyurethanes
- 1938 - Polystyrene made practical**
- 1938 - Polytetrafluoroethylene or PTFE trade named Teflon - Roy Plunkett
- 1939 - Nylon and Neoprene
considered a replacement for silk and a synthetic rubber respectively Wallace Hume Carothers
- 1941 - Polyethylene Terephthalate or Pet - Whinfield and Dickson
- 1942 - Low Density Polyethylene
- 1942 - Unsaturated Polyester also called PET patented by John Rex Whinfield and James Tennant Dickson
- 1951 - High-density polyethylene or HDPE tradenamed Marlex - Paul Hogan and Robert Banks
- 1951 - Polypropylene or PP - Paul Hogan and Robert Banks
- 1953 - Saran Wrap introduced by Dow Chemicals.
- 1954 - Styrofoam a type of foamed polystyrene foam was invented by Ray McIntire for Dow Chemicals
- 1964 - Polyimide
- 1970 - Thermoplastic Polyester this includes trademarked Dacron, Mylar, Melinex, Teijin, and Tetoron
- 1978 - Linear Low Density Polyethylene
- 1985 - Liquid Crystal Polymers

Plastic Products

- Plastic Garbage Bags
- SILLY PUTTY
- VELCRO



International
Holistic Tourism
Education Centre
IHTEC



Nurturing Global Peace
Through Education

JOIN US,
Make Your Plastic Free Ocean Commitment Today
What can I do to reduce single-use plastics in my life?

Make Our
Mississauga



- ☐ Carry reusable shopping bags

Keep one in your bag or car so you don't forget to use them.

- ☐ Give up bottled water

Use a reusable water bottle, coffee cup or glass jar, you'll save money too.

- ☐ Dine Plastic free

Visit restaurants that carry biodegradable take-out materials and do not use Styrofoam. Take your own container with lid to the restaurant for left over food.

- ☐ Make a plastic free commitment

Commit to going plastic free for one week. Cut out plastic packaging and disposables and replace them with reusables.

- ☐ Spread the word

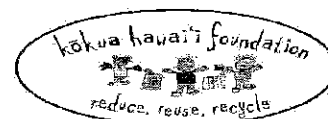
Share what you learn with friends and family and encourage them to go plastic free.

- ☐ Get active in legislation

Contact your municipal, provincial and national government and request that they make a plastic free commitment to Mississauga.

Signature _____

Date _____



International Holistic Tourism Education Centre - IHTEC Tel: +1-905-820-5067
Email: ihtec@3web.com Website: www.ihtec.org Skype: ihtec-ispg1 Date: 23 November 2012

Thanks to Kokua Hawaii Foundation for the information

MAY 07 2013

**Restoration and Stewardship**

To: Environmental Advisory Committee
Meeting Date: May 7th 2013

Date: April 26, 2013

From: Kate Hayes – Project Leader,
Restoration and Stewardship, CVC

Subject: Lakeview Waterfront Connection
Environmental Assessment

cc: Ken Dion, PM, TRCA
Janice Hatton, Region of Peel
Judi Orendorff, CVC
Mike Puddister, CVC

Our File: 301-349

The Lakeview Waterfront Connection Environmental Assessment formally commenced on January 2nd, 2013. Below is a status update of the initiative:

Background

The Lakeview Waterfront Connection Project (LWC Project), led by the Region of Peel and Credit Valley Conservation (CVC), with assistance from Toronto and Region Conservation Authority (TRCA) and The City of Mississauga, will create new park lands along the eastern Mississauga waterfront. New coastal wetlands will be established, nearshore and terrestrial habitats will be improved, and public access to the waterfront will be provided. The LWC Project will coordinate with other Region of Peel (and possibly other local government) infrastructure projects in order to maximize reuse of locally generated fill material. The LWC Project is the first project arising through the City of Mississauga's Inspiration Lakeview visioning process (2010/2011).

The LWC Project is currently going through the provincial Individual Environmental Assessment (EA) process. The EA Terms of Reference (ToR) can be viewed along with the Comment Disposition Table, an Errata and the Notice of Approval at www.creditvalleyca.ca/lwc. The EA formally commenced on January 2nd, 2013 with the release of notifications to interested parties and local newspapers and was posted on the CVC project website.

Goal

"To create a new natural park that will establish ecological and public linkages on the eastern Mississauga waterfront."

Project Objectives

Naturalization – Establish a diverse range of native terrestrial and aquatic ecosystem habitats and ecological linkages in a degraded area of the eastern Mississauga waterfront

Access – Create safe and accessible public linkages for access to and along the waterfront while allowing for compatible recreational, educational and cultural heritage opportunities

Resource Optimization – Use an innovative funding approach that seeks to maximize public benefit and value by reusing locally generated fill from municipal capital works projects to create this new natural park

Compatibility – Ensure that the LWC is compatible with existing infrastructure

Coordination – Coordinate with and inform other local planning and development efforts

Consultation to Date

The first Public Information Centre (PIC) for the LWC Project EA was held on January 22, 2013 at the Mississauga Seniors' Centre. 83 members of the public were in attendance. Members of the public had an opportunity to visit displays and speak with staff during the open house portion of the event. A formal presentation was given, followed by facilitated round-table discussions on the proposed project alternatives as well as proposed evaluation criteria and indicators. The public was generally supportive of the project alternatives and approach.

The second PIC for the LWC Project EA was held on April 3, 2013 at the Mississauga Seniors' Centre. 87 members of the public were in attendance. Members of the public had an opportunity to visit displays and speak with staff during the open house portion of the event. A formal presentation was given, followed by facilitated round-table discussions on the evaluation of the alternatives and the Preferred Alternative. The public was generally supportive of the Preferred Alternative (Island Beach C).

Evaluation of Alternatives Summary

Objective	Revetment	Headland Beach	Island Beach A	Island Beach B	Island Beach C
Naturalization	Least Preferred	Moderately Preferred	Most Preferred	Most Preferred	Most Preferred
Access	Least Preferred	Moderately Preferred	Most Preferred	Moderately Preferred	Most Preferred
Consistency	Least Preferred	Moderately Preferred	Most Preferred	Most Preferred	Most Preferred
Fiscal Viability	Most Preferred	Moderately Preferred	Least Preferred	Least Preferred	Moderately Preferred
OVERALL	Least Preferred	Moderately Preferred	Moderately Preferred	Moderately Preferred	Most Preferred

Next Steps

The next stage in the EA process is to further refine elements of the Preferred Alternative. In terms of construction, the following items must be refined:

- ☐ Construction
- ☐ Access Route (-off and -on site)

In terms of the ultimate design, refinements include determining additional details related to:

- Stream Channels
- Wetlands
- Invasive Species
- Climate Change
- Topography
- Shoreline

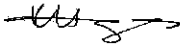
In addition, the following next steps will be taken:

- Mitigation measures including:
 - Construction Haul Route
 - Traffic Analysis
- Cost estimate and funding strategy
- Draft EA for review (July 2013)
- Finalize EA for review (late 2013)
- Region of Peel and CVC Boards: Reports (late 2013)

The Ministry of Environment review period will last approximately 6 months. After EA approval is received, detailed design activities can commence and will include:

- Construction plan schedule: Refine
- Trails, lookouts, passive recreation features: Design
- Planting plan: Develop

Sincerely,



Kate Hayes
Project Leader, Restoration and Stewardship
Credit Valley Conservation



MAY 07 2013

Memorandum
Planning and Building Department

DATE: March 19, 2013

FILE: EC.10.ENV (2012)

TO: Chair and Members of the Environmental Advisory Committee (EAC)

FROM: John Calvert, Director
Policy Planning Division
Planning and Building Department

RE: Natural Areas Survey 2012 Update

As EAC Committee members are aware from previous yearly updates, each year one quarter of the natural areas in the City's Natural Areas System are surveyed to ensure current mapping in the Official Plan and to update fact sheets for each site which are posted on the City's web page (<http://www.mississauga.ca/portal/residents/environmentalplanning>). The Natural Areas Survey information assists in implementing the Living Green Pillar of Mississauga's Strategic Plan and the Living Green Master Plan, and also contributes valuable information to City initiated studies such as the Credit River Parks Strategy and the Natural Heritage and Urban Forest Strategy.

As indicated in the attached summary of the report titled "*Natural Areas Survey 2012 Update*", a review of natural areas in the Natural Areas System was completed in Wards 1 and 2 in 2012, to update information on flora, fauna, site condition and management needs. One of the main findings of the report, is that overall there has been an increase in the total proportion of the City included within natural areas from 7.1% in 1996 to 7.3% in 2012. In 2012, there was an increase of 9.96 ha (24.61 acres) in lands classified as natural areas. This increase is a result of the inclusion of naturalized areas within parks and minor revisions to natural area boundaries.

Following receipt of the report by General Committee, the report will also be posted on the City's web page. If you have any questions, please contact Eva Kliwer at ext. 5753.

John Calvert, Director
Policy Planning Division
Planning and Building Department

Encl.

EXECUTIVE SUMMARY

The Natural Areas Survey for the City of Mississauga (Geomatics 1996) identified the City's natural areas system which included 144 sites that represented the best remaining natural features in the City. Of these 144 sites, 141 were classified as natural areas (Significant Natural Sites, Natural Sites, or Natural Green Spaces), and three were classified as Residential Woodlands. Also identified were 55 Special Management Areas and 40 Linkages.

The intent of updating the Natural Areas Survey (NAS) is to provide the current status of natural areas and updated information on flora, fauna, impacts, boundary changes and management needs. Approximately 25% of the City's NAS sites are updated each year, thus the update of the entire NAS is completed in a cycle of four years. The 2011 update initiated the fourth round of updates of the City Wards. The 2012 update comprises a total of 40 natural areas in Wards 1 and 2.

In 1996, the 141 natural areas comprised 7.10% of the total area of the City. The total number of natural areas had decreased to 136 by 2004, increased to 138 by 2008, and has since decreased to 137 in 2011 (excluding the three Residential Woodlands). These 137 sites now represent 7.34% of the total area of the City. This decrease in the number of natural areas and alterations to natural sites equated to a loss of approximately 159.26 ha from 1996 to 2006. However, between 2006 and 2012 there has been an increase 209.02 ha. Thus since its inception in 1996, the overall area of natural areas in the natural areas system is 49.76 ha larger. The recent increases can be attributed to the inclusion of additional City-owned areas in the natural areas system and to property boundary adjustments or minor changes in natural area boundaries. There has also been a reduction in the number of Special Management Areas and Linkages to 44 and 28, respectively, as many of these have been converted to natural areas and some have been removed due to development.

The natural areas in the City are grouped into three major landform types (valleyland, tableland, and wetland). Since 1996, the area of natural areas associated with valleylands in the natural areas system has increased slightly (1626.30 ha, 78.3% of the natural areas system in 1996 to 1721.88 ha, 80.54% in 2012). In contrast, tablelands only account for 316.41 ha, which is 14.80% of the total natural areas system in 2012; a decrease from 339.90 ha, or 16.40% in 1996. From a City-wide perspective, there were steady decreases from 1.16% of City in 1996 to 1.08% of City in 2012 of the land base represented in tableland natural areas. Tableland natural areas (which are mainly wooded) tend to be discrete islands that have limited connections to other remnant natural features. Valleylands are better connected by virtue of the linearity of the landform and because they have historically been better protected from development. This reinforces the need to place a high priority on the protection of the remaining tableland features present within the City, and an emphasis on their management to maintain or improve their quality. The area of natural areas associated with wetlands in the natural areas system has remained more or less constant from 1996 with only a slight decrease from 103.70 ha (5.0% of natural areas system) to 99.66 ha (4.66% of the natural areas system) in 2012. The proportion of the City that is classified as wetland decreased marginally from 0.36% in 1996 to 0.34% in 2012.

Generally, the natural areas within the City that were surveyed in 2012 continue to be in “fair” condition. Natural areas evaluated as in fair condition have moderate disturbances (few trails, limited dumping, some trampling, *etc.*) and an average number of non-native floral species, typical of what can be expected in an urban natural area. The overall condition of the natural areas visited in 2012 remained largely unchanged from previous studies. As indicated in all the other survey updates, the most common disturbances within natural areas are those associated with an increase in uncontrolled human use of natural areas following development in adjacent areas. Disturbances are prevalent in almost all of the natural areas surveyed in 2012. Deterioration of the quality of Mississauga’s natural areas can be expected to continue unless there is a substantial effort to manage natural areas through site specific management plans (Conservation Plans) and community stewardship initiatives.

After more than fifteen years of update surveys covering the entire City, two trends continue to emerge. There has been a decrease in the quality of vegetation and there has been a decrease in the area of tableland and wetland habitats. However, the overall total area of natural areas has increased by 49.76 ha from 1996 to 2012. Much of this increase was composed of valleylands, and some associated tablelands. A total of 75 vegetation communities are considered uncommon in the City, occupying less than 1% of the total area of the natural areas system. In addition, 35 communities are “at risk” in the City, occurring in only one natural area each; all but one of these communities are also considered to be uncommon within the City. In addition, a longer-term conversion of vegetation community composition (from wetland pockets to old field) in some natural areas is also occurring. This is likely related to changes in hydrology resulting from development. These trends reinforce the urgent need to maintain and manage (and where possible restore) the remaining natural areas in the City. In general, tableland natural areas (including woodlands, wetlands and successional vegetation communities) continue to be the most seriously threatened by development.

A positive trend is the increase in naturalization projects undertaken by the City. The majority of naturalized areas observed between 1996 and 2012 have involved leaving an area of un-mowed grass adjacent to a watercourse or woodlot feature to regenerate naturally, with the addition of native plantings in some areas. While this approach will increase the overall size of the adjacent natural area in question, this initiative could be enhanced by taking an approach that includes long-term management to accelerate succession which will more likely result in a healthy natural area with a diversity of native plant and animal species.

MAY 07 2013

Memorandum



TO: Environmental Advisory Committee
Meeting Date: May 7, 2013

FROM: Andrea J. McLeod, Environmental Specialist, Environment Division,
Community Services Department

DATE: April 25, 2013

SUBJECT: Update on the Development of a Recognition Program

On December 11, 2012, the Environmental Advisory Committee (EAC) made Recommendation EAC-0068-2012 directing staff to work with EAC to develop a recognition program to celebrate environmental achievements in Mississauga. Further to that recommendation, EAC also suggested that as an alternative to a recognition program, staff explore options with existing award programs in Mississauga, including adding a new "Living Green" award to those programs.

To better understand the existing environmental recognition events in Mississauga and to explore the possibility of integrating a new "Living Green" award into these existing programs, staff consulted with three other groups in Mississauga that currently have a community recognition or awards program. The three programs are:

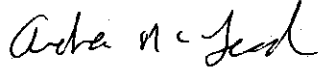
1. Credit Valley Conservation (CVC) - Friends of the Credit Awards. These awards are given annually in March to recognize significant contributions to managing natural resources in the Credit River Watershed.
2. EcoSource – Green Change Champions Awards. The first ever awards were handed out in December of 2012 to celebrate people who are creating change in Mississauga.
3. Streetscape Mississauga – Alternative Gardens class in the residential contest. These awards are handed out annually in September to recognize gardens that incorporate environmentally responsible practices.

After consulting with these groups it was determined that modifying the specific process for each award program was not advisable and that it was not appropriate to add a new "Living Green" award to these programs. Also, creating a brand new environmental recognition program in Mississauga could be seen as duplication of these existing programs.

However, all of the groups felt that there could be increased promotion and support of these awards programs by EAC. One immediate change to this effect has since occurred. Beginning with the 2013 Streetscape Mississauga contest, the Alternative Gardens class will be renamed to the "Mississauga Living Green Ecogardens" class. Additionally, the CVC Friends of the Credit program has suggested that starting with this year's nomination process in the fall, that EAC write letters of support to accompany specific nominations. And all of the award programs can

be promoted by the City of Mississauga on behalf of EAC through various tactics such as press releases and social media.

In addition to the above promotional efforts, staff is recommending that in lieu of developing a new recognition program, beginning in 2014, EAC host an annual celebration and networking event in the spring to align with the annual reporting out of the Living Green Master Plan (LGMP). The celebration will be an opportunity for community groups, schools, businesses and individuals to be recognized with a certificate that acknowledges the partnerships and environmental work happening in Mississauga that helps to advance the goals of the LGMP.



Andrea J. McLeod
Environmental Specialist
Environment Division
Community Services Department

MAY 07 2013

Memorandum



TO: Environmental Advisory Committee
Meeting Date: May 7, 2013

FROM: Jeff Smylie, Environmental Engineer
Environmental Services, Transportation and Works

Date: April 25, 2013

SUBJECT: Pipeline Proposals in Mississauga

The purpose of this memo is to provide an update on several proposed pipeline related projects within and/or adjacent to Mississauga.

Union Gas Parkway West Natural Gas Pipeline Project

Union Gas has applied to the Ontario Energy Board (OEB) for approval to construct a 42 inch (1219 mm) diameter natural gas pipeline approximately 500 metres in length between the existing Parkway Compressor Station on the east side of Hwy. 407, just south of Derry Road, and the proposed Parkway West Station, which will be located on the west side of Hwy. 407, within Halton Region. Figure 1 shows the existing and proposed compressor stations and the proposed gas pipeline connecting them.

Relevant project materials, including an Environmental Report, were circulated to appropriate City staff and a list of comments was provided to Union Gas. These comments have subsequently been addressed by Union Gas and staff have no outstanding concerns with respect to this project.

Enbridge Greater Toronto Area (GTA) Project

Enbridge Gas Distribution Inc. (Enbridge) has applied to the OEB for approval to construct natural gas pipelines and related facilities in the GTA. The GTA Project has a western component, referred to as Segment A, and an eastern component within the City of Toronto, referred to as Segment B. Originally, Segment A was proposed to start at the Union Gas Parkway West Station in Milton and then follow the hydro corridor across the northwest corner of Mississauga. However, on February 12, 2013, Enbridge filed an amendment to their application to notify the OEB that Enbridge proposed to tie into utilities owned by Union Gas and TransCanada Pipelines, thereby eliminating the need for the western leg of Segment A. Therefore, there is no construction currently proposed within Mississauga with respect to this project. Figure 2, attached to this email shows the former and current proposed start points for Segment A.

Staff have reviewed materials for this project and comments have been submitted to Enbridge. A response letter to our comments was prepared by Enbridge and circulated to staff and no further concerns have been raised to date. Areas of Mississauga remain within proposed "potential route deviations" and as a project stakeholder, the City will continue to be updated on this project.

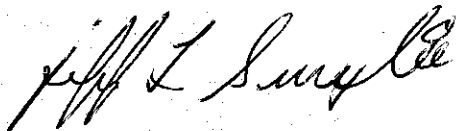
Enbridge Pipeline 9b Flow Reversal and Capacity Increase

Enbridge has applied to the National Energy Board (NEB) for authorization to reverse the direction of flow and expand the capacity within its existing Line 9B petroleum pipeline which currently runs between Hamilton and Montreal and traverses the City of Mississauga along the hydro corridor adjacent to Hwy. 403 and Eastgate Parkway (see Figure 3, attached).

On December 19, 2012, the NEB announced that it will use a hearing process to assess Enbridge's request and has committed to delivering a decision by March, 2014. City staff have been working to understand and clarify some of the issues associated with the proposed Project and also to understand the NEB's review and hearing process. Staff have been in communication with Enbridge in order to better understand the associated risks with this project. In addition, staff have been participating in a working group with other municipalities impacted by this project. To date, staff have submitted comments to the NEB with respect to the List of Issues suggesting additional consideration be looked at when examining the project.

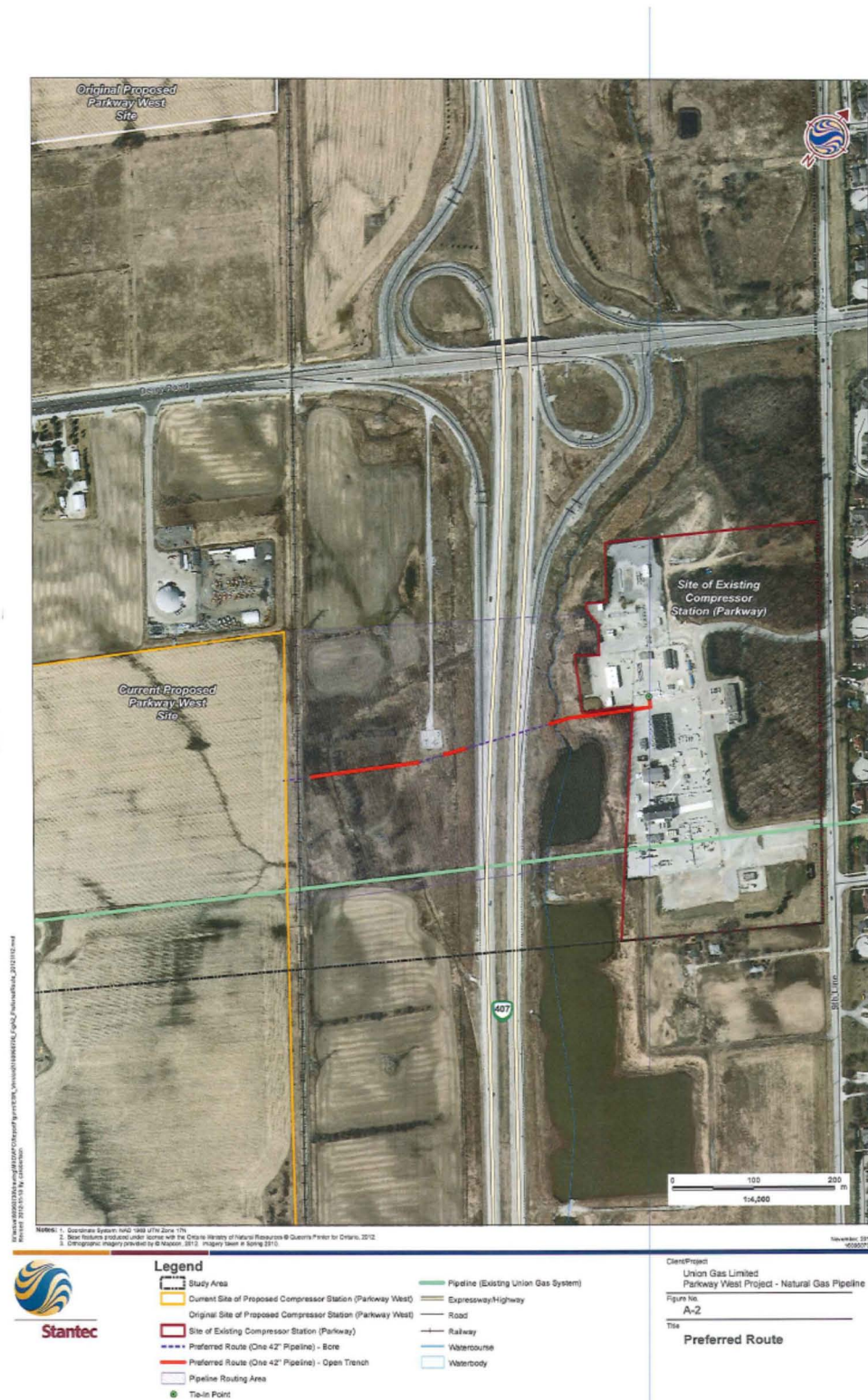
The NEB will hold hearings in August and City staff, under delegated authority of the Procedure By-law, have submitted an Application to Participate. At this time, Mississauga's Application to Participate is seeking Intervenor status. However, a report to General Committee will be brought forward outlining the City's options for participation at the NEB hearings which include participation as an Intervenor or participation by submitting a Letter of Comment.

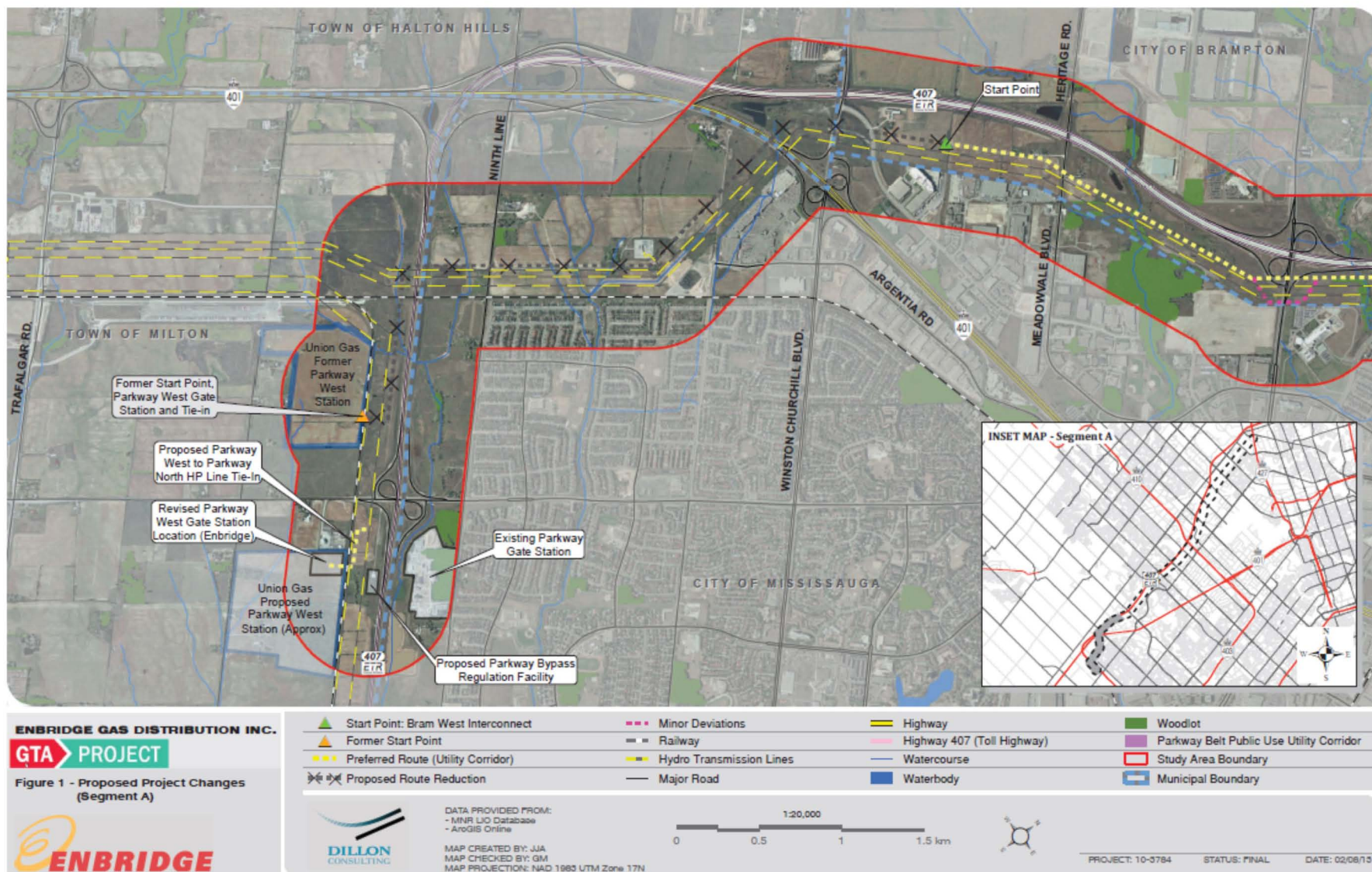
City staff intend to bring forward at Report to General Committee on May 15, 2013.

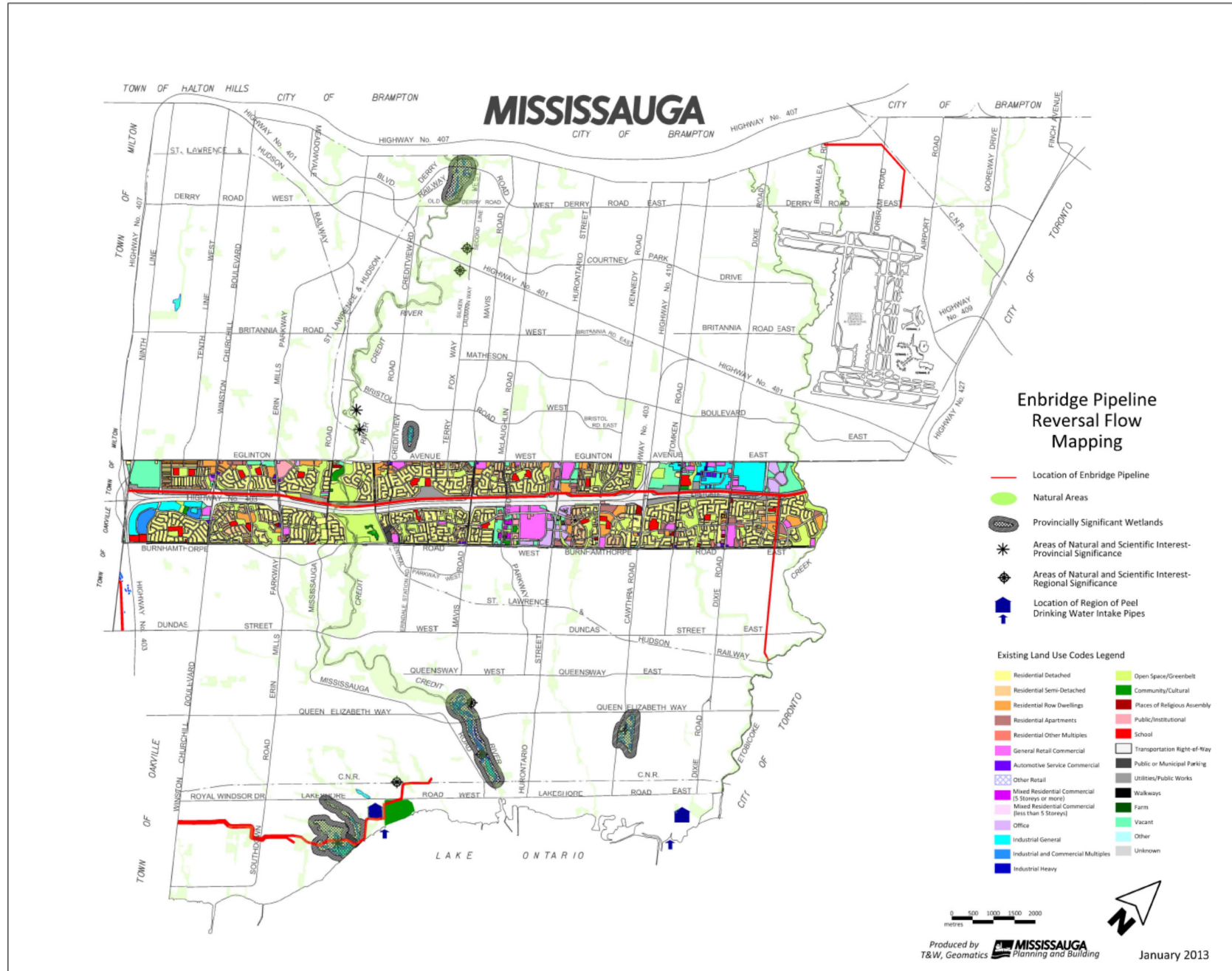


Jeff Smylie, Environmental Engineer
Environmental Services, Transportation and Works

Encl.







MAY 07 2013

Upcoming Agenda Items and Environmental Advisory Committee (EAC) Role

Legend: Potential Role for EAC	
Comments (Provide feedback for consideration.)	Leadership (Participate in event or lead external group participation.)
Community Engagement (Champion LGMP awareness campaign, promote Living Green blog, etc.)	Receive (For information.)
Direction (Provide direction to staff.)	Recommendation (To General Committee.)
Deputation (Present to General Committee, Council, other.)	Sub-committee (To further develop or research initiative.)

Year Quarter	Item	Description	Potential EAC Role
2013 Q2	Living Green Master Plan (LGMP) Update	Annual progress report.	Receive
	Greening the Fleet Results	Results of the City's five-year "Greening the Fleet" program and direction for the next five years.	Receive
	Green Development Award	Update on a green development award to complement the Mississauga Urban Design Awards.	Receive
	Natural Heritage and Urban Forest Strategy	The Natural Heritage and Urban Forest Strategy is currently underway. It will develop a long-term strategy with policies, an implementation plan and priorities to guide City programs and activities for the protection, enhancement, restoration and expansion of natural areas and the urban forest across Mississauga.	Receive
	Public Art Project	Update on public art project along Burnhamthorpe Rd.	Receive
	Our Municipality Can Help Stop Climate Change	Update subsequent to the March 5, 2013 Environmental Advisory Committee meeting.	Recommendation
2013 Q3	Corporate and Community Greenhouse Gas (GHG) and Criteria Air Contaminant (CAC) Inventories	Updated GHG and CAC inventories' results will be presented and used to benchmark and prioritize future efforts to reduce local sources of emissions.	Recommendation
	Oakville-Clarkson Air Zone Management Advisory Committee	Update on the Oakville-Clarkson Air Zone Management Advisory Committee (OCAZMAC).	Receive
2013 Q4	Feed-in Tariff Program	An update on the Feed-in Tariff (FIT) Program.	Receive

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Other Anticipated Items	
Item	Description
Nuisance Weed and Tall Grass Control By-law	The City's Nuisance Weed and Tall Grass Control By-law is scheduled to be revised as per the LGMP.
Green Development Strategy (GDS)	An update on GDS implementation.
Waste Management	An update on various waste-related initiatives.
Drive-Throughs	An update on drive-throughs.
Quest 2013	Ontario Caucus Conference.
Corporate Energy Conservation Plans	The new Provincial <i>Green Energy Act</i> (2009) requires municipalities to provide corporate energy conservation plans for all municipally owned and operated buildings and to report annually on actual performance against plans.
Stormwater Quality Control Strategy Update	Update of the City's strategy for managing and improving the quality of stormwater runoff.

STATUS OF OUTSTANDING ISSUES FROM THE ENVIRONMENTAL ADVISORY COMMITTEE (EAC)

Prepared by Julie Lavertu, Legislative Coordinator, for the May 7, 2013 EAC Agenda

EAC MEETING FIRST DISCUSSED	ISSUE	EAC RECOMMENDATION/DIRECTION	STATUS
Feb/12	Transportation Strategy Presentation	Michael DeWit, Vice-Chair, indicated that a presentation on the transportation strategy would be beneficial to the Committee.	May 1/12 EAC Meeting Update: Ms. Osborne added that she did not have a specific timeline for the transportation strategy at this time.
Sept/12	Potential Ban of Plastic Shopping Bags in Mississauga	EAC-0039-2012 1. That the Corporate Report dated July 26, 2012 from the Commissioner of Community Services, entitled "Potential Ban of Plastic Shopping Bags in Mississauga," be received; and 2. That the Environmental Advisory Committee recommends that the potential ban of plastic shopping bags in Mississauga be referred to the Region of Peel's Waste Management Committee for further research and recommendations to the Region of Peel's Regional Council and the City of Mississauga's Council.	
Dec/12	Urban Design Awards	Councillor Tovey noted that the Urban Design Awards should include green building and Ms. Bracken noted that the categories and criteria would have to be strengthened. It was suggested that a report could be written to make a recommendation with respect to creating a green award in Urban Design.	February 5/13 EAC Meeting Update: Ms. Osborne said that she had obtained the support of Planning and Building Department staff to establish a separate green building and development award complementary to and linked to the broader Mississauga Urban Design Awards process. She added that this matter would return for the Committee's consideration and input in the near future.

EAC MEETING FIRST DISCUSSED	ISSUE	EAC RECOMMENDATION/DIRECTION	STATUS
Dec/12	Environmental Advisory Committee November 2012 Off-Site Meeting Summary	<p>EAC-0068-2012</p> <ol style="list-style-type: none"> 1. That the Memorandum, dated November 26, 2012 from Brenda Osborne, Director, Environment Division with respect to the off-site meeting held on November 24, 2012; be received; and 2. That staff work with the Environmental Advisory Committee to develop a recognition program and a community environmental grants program. 	<p>February 5/13 EAC Meeting Update: In response to Dr. Bass's question, Ms. Osborne discussed the proposed environmental community grant program and recognition awards and said that staff is working on these matters and would be brought back for the Committee's consideration in the near future</p> <p>Please refer to Item 7 on the Environmental Advisory Committee's May 7, 2013 agenda.</p>
Feb/13	Stormwater Financing Study (Phase 1)	<p>EAC-0003-2013</p> <ol style="list-style-type: none"> 1. That the PowerPoint presentation by Lincoln Kan, Manager, Environmental Services, entitled "Stormwater Financing Study (Phase 1)," to the Environmental Advisory Committee on February 5, 2013 be received; and 2. That staff be directed to prepare an update regarding the Stormwater Financing Study (Phase 1) for consideration at a future Environmental Advisory Committee meeting. 	