



# MINUTES

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## ENVIRONMENTAL ADVISORY COMMITTEE

THE CORPORATION OF THE CITY OF MISSISSAUGA

[www.mississauga.ca](http://www.mississauga.ca)

**TUESDAY, APRIL 5, 2011 – 9:02 AM**

COUNCIL CHAMBER, 2<sup>ND</sup> FLOOR, CIVIC CENTRE  
300 CITY CENTRE DRIVE, MISSISSAUGA, ONTARIO L5B 3C1

MEMBERS PRESENT: Councillor George Carlson, Ward 11 (Chair)  
Councillor Frank Dale, Ward 4  
Councillor Jim Tovey, Ward 1  
Dr. Brad Bass, Citizen Member  
Sophia Chalaidopoulos, Citizen Member  
Michael DeWit, Citizen Member (Vice-Chair)  
Peter Orphanos, Citizen Member  
Maureen Ricker, Citizen Member  
Angie Sanchez, Student Rep. University of Toronto in Mississauga  
Lucas Krist, Peel Environmental Youth Alliance (PEYA)  
Chantal Wiktorek, Peel Environmental Youth Alliance (PEYA)

MEMBERS ABSENT: Hassaan Basit, Citizen Member

STAFF PRESENT: Brenda Osborne, Manager, Environmental Management  
Andrea J. McLeod, Environmental Coordinator  
Lisa Urbani, Environmental Research Assistant  
Mary Bracken, Project Lead, Living Green Master Plan  
Eric Menezes, Streetlighting Coordinator, Traffic Operations  
Eva Kliwer, Planner, Policy Planning  
Karin Ann Brent, Legislative Coordinator, Office of the City Clerk

INDEX – ENVIRONMENTAL ADVISORY COMMITTEE – APRIL 5, 2011

CALL TO ORDER – 9:02am

INTRODUCTIONS

APPOINTMENT OF CHAIR / VICE-CHAIR

APPROVAL OF AGENDA

DECLARATIONS OF DIRECT OR INDIRECT PECUNIARY INTEREST - Nil

MINUTES OF PREVIOUS MEETING(s)

- March 1, 2011

DEPUTATIONS

- A Storm Water Pollution Prevention Demonstration Projects in Mississauga  
presented by: Phil James, P.Eng., Planner, Credit Valley Conservation
- B Moving Mississauga  
presented by: Steve Ganesh, Transportation Planner, Transportation and Works
- C Item 2.1 Visualizing Mississauga's Natural Areas  
presented by: Steve Czajka, Supervisor of Information Planning, Policy Division  
Planning and Building Department

MATTERS CONSIDERED

1. Business Arising From Minutes of Previous Meeting(s)
  1. Recycle or Proper Disposal of Electronic Waste
  2. Selection of Energy Saving Initiatives
  3. Responses to Enquiries Raised at Prior 2011 EAC Meetings
2. New Business
  1. Natural Areas Survey 2010 Update
  2. City-Wide Streetlighting Retrofit Program to Light Emitting Diode (LED) Streetlights with a Streetlight Monitoring System
  3. Update – Environmental Initiative Highlights
  4. Earth Hour 2011 Results

INDEX – ENVIRONMENTAL ADVISORY COMMITTEE – APRIL 5, 2011 cont'd...

3. Information Items

OTHER BUSINESS

1. A Motion to Implement a “Natural Areas Action Team”

NEXT MEETING DATE(s)

- May 3, 2011 – 9: 00 AM – Council Chamber 2<sup>nd</sup> Floor, Civic Centre

ADJOURNMENT

CALL TO ORDER – 9:02am

INTRODUCTIONS

Chairman Councillor George Carlson introduced new Citizen Member Maureen Ricker. Mrs. Ricker gave a quick review of her experience with Ecosource and other community initiatives involving the environment.

APPOINTMENT OF CHAIR / VICE-CHAIR

GC-0096-2011 (Adopted by Council on February 23, 2011)  
That Councillor George Carlson be appointed as Chair of the Environmental Advisory Committee for the current term running concurrent with the term of Council, to November 30, 2014.  
(EAC-0001-2011 – February 1, 2011)

GC-0097-2011 (Adopted by Council on February 23, 2011)  
That Citizen Member Mike DeWit be appointed as Vice-Chair of the Environmental Advisory Committee pending the appointment of Citizen Members for the current term (March 9, 2011 to November 30, 2014).  
(EAC-0002-2011 – February 1, 2011)

APPROVAL OF AGENDA

Citizen Member Maureen Ricker moved approval as amended to add the consideration of a motion presented by Citizen Member Peter Orphanos regarding Mississauga's Natural Areas. The motion carried and this item was added to the agenda for consideration under Other Business.

DECLARATIONS OF DIRECT OR INDIRECT PECUNIARY INTEREST - Nil

MINUTES OF PREVIOUS MEETING(S)

- March 1, 2011

Adopted as Presented

DEPUTATIONS

A Storm Water Pollution Prevention Demonstration Projects in Mississauga presented by: Phil James, P.Eng., Planner, Credit Valley Conservation

Received for Information (Councillor Frank Dale)

Recommendation EAC-0005-2011

DEPUTATIONS cont'd...

- B                    Moving Mississauga  
                         presented by: Steve Ganesh, Transportation Planner, Transportation and Works

Received for Information (Citizen Member Peter Orphanos)  
Recommendation EAC-0005-2011

- C Item 2.1        Visualizing Mississauga's Natural Areas  
                         presented by: Steve Czajka, Supervisor of Information Planning, Policy Division  
                         Planning and Building Department

Received for Information (Councillor Jim Tovey)  
Recommendation EAC-0005-2011

MATTERS CONSIDERED

1.        Business Arising From Minutes of Previous Meeting(s)
  1.        Recycle or Proper Disposal of Electronic Waste

Citizen Member Peter Orphanos presented the following motion in response to discussion emanating from the deputation to this committee at its meeting on March 1, 2011 by Recycling Solutions Canada:

WHEREAS at its meeting on March 1, 2011, the Mississauga Environmental Advisory Committee received a deputation regarding recycling and proper disposal of used or unwanted electronic devices;

AND WHEREAS electronics contain a variety of materials that can pose problems to human health and the environment if not managed properly at end of life;

AND WHEREAS statistics indicate that in Canada, the volume of e-scrap is expected to reach 225,000 tonnes in 2010;

AND WHEREAS 50-80% of all e-scrap generated in North America is shipped to developing countries, while the remainder is land filled;

AND WHEREAS only 11% of Canadian e-scrap is currently recycled properly;

NOW THEREFORE BE IT RESOLVED that the City of Mississauga Environmental Management staff be directed to review and report back to the Environmental Advisory Committee regarding the feasibility of implementing an education and awareness program through which to encourage the residents and businesses of Mississauga and the Region of Peel to recycle or properly dispose of their unwanted electronic devices.

The motion carried.

Approved  
Recommendation EAC-0006-2011

(1.) 2. Selection of Energy Saving Initiatives

A Memorandum dated March 30, 2011 from Rajan Balchandani, Manager of Energy Management, Facilities and Property Management Division, Corporate Services Department highlighted the City of Mississauga energy-saving initiatives. This information was requested by this Committee at its meeting on February 1, 2011.

During discussion, Citizen Member Dr. Brad Bass requested data indicating the percentage of savings since the inception of the respective energy saving initiatives.

Received for Information

Recommendation EAC-0005-2011

3. Responses to Enquiries Raised at Prior 2011 EAC Meetings

A Memorandum dated March 29, 2011 from Brenda E. Osborne, Manager of Environmental Management Section, Community Services Department, responded to respective enquiries raised at the meetings of this committee on February 1, 2011 and March 1, 2011 on the following topics:

- Lake Ontario Integrated Shoreline Strategy (LOISS)
- Region of York Waste Water processing by the Region of Peel
- Cawthra Woodlot
- Natural heritage conservation
- Solar power energy equipment in city facilities
- Electronic recycling
- Biological treatment of run-off water from roads
- Earth Hour activities

Citizen Member Dr. Brad Bass questioned the status of his suggestion to request Credit Valley Conservation to implement a position on the LOISS team for a representative of this committee. In response to this and a similar question by Citizen Member Sophia Chalaidopolous, Manager of the Environmental Management Brenda Osborne advised that the Credit Valley Conservation staff will be discussing the membership of the LOISS team, and pending the results, will issue an invitation for this committee to appoint its representative.

Subsequently, Ms. Osborne distributed copies of the City of Mississauga brochure titled “ Into the Grate... out to the Lake” published by the City and its Environmental Management division, for community outreach and education to encourage residents to mitigate or report pollution entering the storm drains. Ms. Osborne noted that this brochure information will also be posted on the City of Mississauga web site.

Received for Information

Recommendation EAC-0005-2011

2. New Business

1. Natural Areas Survey 2010 Update

A Memorandum dated March 21, 2011 from John Calvert, the Director of the Policy Planning Division of the Planning and Building Department, presented an update on the Natural Areas Survey 2010. A bound report was distributed under separate cover and made available in Office of the City Clerk.

Committee concurred that the subject information be referred to its next scheduled meeting to allow for detailed discussion. Planner Eva Kliwer of the Policy Planning division of the Mississauga Planning and Building Department acknowledged Committee's request for a presentation of information on the 2010 Natural Areas Survey when this matter is returned to Committee (May 3, 2011).

Referred to Next Meeting / Directive

2. City-Wide Streetlighting Retrofit Program to Light Emitting Diode (LED) Streetlights with a Streetlight Monitoring System

A Corporate Report dated March 4, 2011 from the Commissioner of Transportation and Works was presented to Committee for its consideration and endorsement.

RECOMMENDATION

1. That the Environmental Advisory Committee endorse a City-Wide retrofit of the existing high pressure sodium (HPS) streetlight luminaires to light emitting diode (LED) luminaires with a streetlight monitoring system (SMS).
2. That a strategy and budget for retrofitting streetlights with LED luminaires on a City-Wide basis, including a monitoring system, be addressed through the 2012 Budget Process.
3. That the installation of LED streetlighting system commence in 2011 for all new installations, pending the development of standards and specifications for the purpose of establishing pre-qualified vendors for LED streetlighting systems.
4. That the report from the Commissioner of Transportation and Works dated March 4, 2011 regarding a City-Wide retrofit program be forwarded to General Committee for information.

(2.) (2.)

Chairman Councillor George Carlson initiated discussion, and questioned whether the retrofit project will involve induction lighting versus light emitting diode (LED) technology.

Streetlighting Coordinator Eric Menezes advised that the induction lighting technology has been found to be less productive and therefore the retrofit will involve LED products, noting that the energy requirements have improved, and that in seven (7) years the retrofit will be complete and should result in a savings of about \$50 million.

Citizen Member Peter Orphanos questioned the timing for replacing existing street light fixtures in regard to recycling. Mr. Menezes advised that the aluminium components of the street light fixtures can be recycled for cost recovery.

Citizen Member Sophia Chalaidopolous questioned whether delaying the retrofit might allow for additional cost savings as a result of potential improvements of the LED lights. Mr. Menezes advised that LED lights are good for approximately twenty (20) years, and that the LED technology has already improved to require half of the prior energy consumption.

Councillor Jim Tovey questioned the light fixture component known as a 'driver' and whether part of all of the lights have to be changed. Mr. Menezes explained that the 'driver' is basically the battery and that the entire fixture will be changed as the parts are not compatible.

Peel Environmental Youth Advisory (PEYA) representative Lucas Krist questioned the efficiency of LED luminaires per watt. Mr. Menezes advised that the LED provides at 100% and explained that the LED light is on the face of the fixture and that the illumination faces down toward the ground.

The motion by Councillor Frank Dale to approve the recommendation in the subject Corporate Report carried.

Endorsed

Recommendation EAC-0007-2011

### 3. Update – Environmental Initiative Highlights

A Memorandum dated March 29, 2011 from Brenda E. Osborne, Manager of Environmental Management Section, Community Services Department provided information on key environmental initiatives.

Citizen Member Dr. Brad Bass requested that staff include statistics on the noise attenuation achieved through the Living Walls when they report back to this committee on the results of the pilot project.

Received for Information

Recommendation EAC-0005-2011



(2.) 4. Earth Hour 2011 Results

A Memorandum dated March 29, 2011 from Andrea J. McLeod, Environmental Coordinator, Environmental Management Section, Community Services Department, reported the results of the 2011 Earth Hour.

Received for Information

Recommendation EAC-0005-2011

3. Information Items

1. An email relaying an Invitation to the Special Meeting of the Clean Air Council – May 27, 2011 at the McLaughlin Library and Gallery in Oshawa, Ontario.
2. An extract of Recommendation GC-0140-2011 adopted by Council on March 31, 2011, and  
A copy of the Corporate Report dated March 3, 2011 titled “Southwest Greater Toronto Area (GTA) Oakville-Clarkson Airshed Action Plan Update (Ward 1 and Ward 2)” from the Commissioner of Community Services presented to General Committee of Council on March 23, 2011.

Received for Information

Recommendation EAC-0005-2011

OTHER BUSINESS1. A Motion to Implement a “Natural Areas Action Team”

At the request of the Citizen Member Peter Orphanos, Committee concurred to add this item to the agenda.

**Whereas** surveys as part of the Strategic Plan, Living Green Master Plan and the Credit River Parks Strategy show clearly that the public is unanimous in their support of natural areas; and

**Whereas** every Natural Area Survey has concluded that we need to “...increase the proportion of the City occupied by natural habitat...”; and

**Whereas** there is presently around 7% natural areas in Mississauga, among the lowest in the GTA; and

**Whereas** increased intensification in the future will greatly increase the need for natural areas; and

**Whereas** a realistic goal for the proportion of the City occupied by Natural Areas of 14% can be achieved;

OTHER BUSINESS

(1.)

**Now Therefore Be It Resolved That** a Natural Areas Action Team, comprised of Council Members, EAC Members, Credit Valley Conservation and major NGO's be formed to develop a Natural Areas Action Plan that will encompass all available strategies, establish timelines and explore funding sources with the purpose of increasing the proportion of the City occupied by Natural Areas to a minimum of 14%.

Committee spoke to the length of time taken for deputations at this meeting and subsequently concurred to refer consideration of the subject motion to the next meeting of this along with the bound 2010 Natural Areas Survey Report and the Memorandum dated March 21, 2011 from John Calvert, the Director of the Policy Planning Division of the Planning and Building Department, providing an update on the Natural Areas Survey 2010.

Referred to Next Meeting

NEXT MEETING DATE(s)

- May 3, 2011 – 9: 00 AM – Council Chamber 2<sup>nd</sup> Floor, Civic Centre

ADJOURNMENT – 11:32am

REPORT 3-2011

TO: GENERAL COMMITTEE

The Mississauga Environmental Advisory Committee presents its third report of 2011, and recommends:

EAC-0005-2011

That it be acknowledged the following presentations and items were received for information by the Environmental Advisory Committee at its meeting on April 5, 2011:

- a PowerPoint presentation regarding Storm Water Pollution Prevention Demonstration Projects in Mississauga presented by Kyle Vander Linden, Water Resource Specialist with Credit Valley Conservation.
- a PowerPoint presentation titled "Moving Mississauga" presented by Steve Ganesh, Transportation Planner, City of Mississauga Transportation and Works Department.
- a PowerPoint presentation titled "Visualizing Mississauga's Natural Areas" presented by Steve Czajka, Supervisor of Information Planning, Policy Division, City of Mississauga Planning and Building Department.
- a Memorandum dated March 30, 2011 from Rajan Balchandani, Manager of Energy Management, Facilities and Property Management Division, Corporate Services Department providing highlights of the City of Mississauga energy-saving initiatives.
- a Memorandum dated March 29, 2011 from Brenda E. Osborne, Manager of Environmental Management Section, Community Services Department responding to respective enquiries raised at the meetings of this committee on February 1, 2011 and March 1, 2011 on the following topics:
  - Lake Ontario Integrated Shoreline Strategy (LOISS)
  - Region of York Waste Water processing by the Region of Peel
  - Cawthra Woodlot
  - Natural heritage conservation
  - Solar power energy equipment in city facilities
  - Electronic recycling
  - Biological treatment of run-off water from roads
  - Earth Hour activities
- a Memorandum dated March 29, 2011 from Andrea J. McLeod, Environmental Coordinator, Environmental Management Section, Community Services Department, reporting the results of the 2011 Earth Hour.
- an email relaying an Invitation to the Special Meeting of the Clean Air Council – May 27, 2011 at the McLaughlin Library and Gallery in Oshawa, Ontario.
- an extract of Recommendation GC-0140-2011 adopted by Council on March 31, 2011, and a copy of the Corporate Report dated March 3, 2011 titled "Southwest Greater Toronto Area (GTA) Oakville-Clarkson Airshed Action Plan Update (Ward 1 and Ward 2)" from the Commissioner of Community Services presented to General Committee of Council on March 23, 2011.

(EAC-0005-2011)

EAC-0006-2011

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(EAC-0006-2011)

EAC-0007-2011

2. That Council be advised that the Environmental Advisory Committee endorses a city-wide retrofit of the existing high pressure sodium (HPS) streetlight luminaires to light emitting diode (LED) luminaires with a streetlight monitoring system (SMS).
2. That a strategy and budget for retrofitting streetlights with LED luminaires on a City-Wide basis, including a monitoring system, be addressed through the 2012 Budget Process.
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4. That the Corporate Report dated March 4, 2011 from the Commissioner of Transportation and Works regarding a City-Wide retrofit program be forwarded to General Committee for information.

(EAC-0007-2011)