
Environmental Action Committee

Date

2019/11/12

Time

9:30 AM

Location

Civic Centre, Committee Room A - Second Floor,
300 Civic Centre Drive, Mississauga, Ontario, L5B 3C1

Members Present

Matt Mahoney	Councillor - Ward 8 (Chair)
Stephen Dasko	Councillor - Ward 1 (Vice-Chair)
George Carlson	Councillor - Ward 11
Brad Bass	Citizen Member
Lea Ann Mallett	Citizen Member
Carina Suleiman	University of Toronto Mississauga
Alice Casselman	Association for Canadian Educational Resources
Britt McKee	Ecosource
Melanie Kramer	Credit Valley Conservation
Joel Longland	Partners in Project Green

Non-Voting Members

Brad Butt	Mississauga Board of Trade
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Members Absent

Chelsea Dalton	Citizen Member
Pujita Verma	Citizen Member
Shazerah Qureshi	Peel Environmental Youth Alliance
Teresa Ierullo	Greening Sacred Spaces
Sid Gendron	Sawmill Sid Inc.

Staff Present

Dianne Zimmerman, Manager, Environment
Lisa Urbani, Environment Research Assistant, Environment
Muneef Ahmad, Manager, Stormwater Projects
Teresa Chan, Specialist, Climate Change
Dayna Obaseki, Legislative Coordinator, Legislative Services

Find it online

<http://www.mississauga.ca/portal/cityhall/environmentalactioncommittee>

1. **CALL TO ORDER** – 9:37 AM
2. **APPROVAL OF AGENDA**
Approved (B. Bass)
3. **DECLARATION OF CONFLICT OF INTEREST** – Nil.
4. **MINUTES OF PREVIOUS MEETING**
- 4.1 Environmental Action Committee Minutes – October 8, 2019
Approved (A. Casselman)
5. **DEPUTATIONS**
- 5.1. Smart Blue Roof Systems
Bernadeta Suroweic, Specialist, Integrated Water Management, Credit Valley Conservation (CVC)

Ms. Suroweic provided an overview on the Smart Blue Roof Systems for Flood and Drought Resilience and Adaptation. Blue Roofs are a temporary detention of rainwater on flat, low-sloped roofs that stores and slowly releases stormwater. Conventional flat roofs do not use the maximum potential to manage stormwater. Green roofs are great, however most pollinators do not go up passed 15 storeys. Active Blue Roofs use a smart system approach that involves valve configuration to regulate roof discharge that is controlled by an electronic application program to optimize the release of ponded water, while Passive Blue Roofs use stagnant hydraulic structures. The benefits associated with the Smart Blue Roof Systems are water and energy efficiency as well as stormwater management, cost savings and reduction in GHG emissions.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired about the cost of installation and maintenance;
- Inquired about what the contingency plan would be if the internet connection fails for the application system for an active blue roof;
- Inquired about the potential issues (e.g. algae and mosquitos) surrounding standing water;
- Inquired about what occurs during a snow fall and the winter months;
- The feasibility of older buildings installing blue roofs;
- Inquired whether this initiative would qualify for the City's stormwater credit; and
- Inquired if similar economies of scale would be observed, such as the UTM campus and technology hubs.

Ms. Suroweic and Muneef Ahmad, Manager, Stormwater Projects responded to the questions from the Members of the Committee;

- The installation cost is approximately \$250 per square metre. The maintenance is standard to a conventional rooftop.

- If the internet connection fails - the valves open and release the water.
- The standing water does not surpass a 48 hour time period and the small movement of the water keeps away majority of the insects.
- During the winter months the valves remain open and the system is inactive.
- The older buildings usually have more capacity to install blue roofs, however the limitation is the parapet level. If the parapet level cannot be altered a water tray is an alternative.
- Staff would evaluate whether installing a blue roof would be considered a qualification for the stormwater credit.
- Confirmed that similar economies of scale could be observed.

RECOMMENDATION

That the deputation and associated presentation Bernadeta Suroweic, Specialist, Integrated Water Management, Credit Valley Conservation with respect to the Smart Blue Roof Systems for Flood and Drought Resilience and Adaptation be received.

Received (J. Longland)

Recommendation EAC-0039-2019

5.2. Stormwater Master Plan

Muneef Ahmad, Manager, Stormwater Projects

Mr. Ahmad provided an overview on the Stormwater Master Plan (SMP). The goal is to derive a vision that goes beyond the 10 year-plan and assists to prioritize future spending. The vision-based approach focuses on moving, belonging, connecting, prospering and greening by building and maintaining infrastructure, creating great public places, building vibrant communities and connecting the city rain as a resource.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired will the Stormwater Master Plan (SMP) will include the smart roofs and walls (blue and green) to help with stormwater management; and
- Expressed the need for neighbourhood involvement and community engagement.

Mr. Ahmad and Aiysha Syed, Project Leader Storm Drainage Assets responded to the questions from the Members of the Committee;

- The SMP includes sustainable infrastructure and retrofit work, however will further consider the use of smart walls and roofs. These suggestions may be more focus for a Facility and Property Management Asset Plan.

RECOMMENDATION

That the deputation and associated presentation by Muneef Ahmad, Manager, Stormwater Projects with respect to the Stormwater Master Plan be received for information.

Received (C. Suleiman)

Recommendation EAC-0040-2019

5.3. Climate Change Action Plan (Item 8.1)

Dianne Zimmerman, Manager, Environment

Ms. Zimmerman presented on the final version of the Climate Change Action Plan (CCAP) and requested endorsement from the Members of EAC. The CCAP vision is a low carbon and resilient community achievable through the goals of; Adaption – action to reduce emissions that cause climate and change and Mitigation – action to manage the risks of climate change impacts. Ms. Zimmerman provided an update on the public and staff engagement, which entailed visits to the project website, survey responses and emails from residents as well as hosted four public town halls and two workshops as part of the public consultation and outreach. Majority of the feedback was aligned with the City's goals and targets regarding the CCAP. The changes to the CCAP have included additional actions a corporate waste diversion, goods movement/freight, public health, reducing emissions from the industrial sector, longer term new zero target and the declaration of the climate emergency in June 2019.

Members of the Committee spoke to the matter and raised the following questions and concerns;

- Inquired how are the other departments within the City and any other master plans linked to the CCAP;
- Inquired if there is any benchmarking data regarding the GHG emissions from schools and religious buildings;
 - Suggested community engagement by providing numbers to help measure their contribution to reducing their own emissions.
- Inquired about the cost.

Ms. Zimmerman and Teresa Chan, Specialist, Climate Change responded to the questions from the Members of the Committee;

- Various City departments and master plans have been linked to the CCAP
- The City does not have access to individual building data, only sector (residential, commercial and/or industrial) based information.
- A resource plan will be presented to Council, which will identify the key factors and include estimated costs for the next 10 years as well as a before and after cost analysis regarding the implementation of specific actions linked to climate change initiatives outlined in the CCAP.

RECOMMENDATION

1. That the deputation and associated presentation by Leya Barry, Climate Change Specialist with respect to the final version of the Climate Change Action Plan be received for information.
2. That the Environmental Action Committee are in support of the Climate Change Action Plan and bringing it to General Committee on December 4, 2019 for endorsement.

Please note – the presenter was Dianne Zimmerman, Manager, Environment

Received/Endorsed (L. Mallet)
Recommendation EAC-0041-2019

6. PUBLIC QUESTION PERIOD - 15 Minute Limit (5 Minutes per Speaker)

No members of the public requested to speak.

7. MATTERS CONSIDERED**7.1. Paperless Agendas (Verbal)**

Dayna Obaseki, Legislative Coordinator recommended going paperless for agenda distribution for the Environmental Action Committee. This would be an environmental and Lean initiative to be included as an achievable action on the EAC work plan. All EAC agendas will be made available online only with a few index pages brought to each meeting for a reference guide, if needed.

The members were in support of having paperless agendas and it was decided that only online electronic copies of EAC agendas will be provided, which will commence at the next EAC meeting on December 10, 2019.

RECOMMENDATION

1. That the verbal update regarding Paperless Agendas be received.
2. That the Legislative Coordinator for the Environmental Action Committee (EAC) eliminates the distribution of paper copies of the agenda and will only provide electronic copies of the agendas for all EAC meetings starting December 10, 2019.

Received/Approved (B. McKee)
Recommendation EAC-0042-2019

7.2. Environmental Action Committee Work Plan

Alice Casselman, Group Representative for ACER requested that an additional section be added to the work plan listed as "Next Steps" to outline the upcoming projects and actions that Committee plans to be involved with.

RECOMMENDATION

That the Environmental Action Committee Work Plan be approved as discussed at the November 12, 2019 Environmental Action Committee meeting.

Approved (B. Bass)
Recommendation EAC-0043-2019

8. INFORMATION ITEMS**8.1. Final Climate Change Action Plan Memo (Item 5.3)****RECOMMENDATION**

That the Final Climate Change Action Plan memo be received for information.

Received (L. Mallet)
Recommendation EAC-0044-2019

8.2. 2020 Environmental Action Committee Meeting Dates

Dayna Obaseki, Legislative Coordinator spoke to the item informing the Committee Members of the upcoming 2020 meeting dates for EAC.

RECOMMENDATION

That the 2020 Environmental Action Committee Meeting Dates be received for information.

Received (M. Kramer)
Recommendation EAC-0045-2019

9. OTHER BUSINESS

9.1. Friends of the Credit Conservation Awards – Melanie Kramer, Group Representative

Nominations for the 'Friends of the Credit' Conservation Awards are open until November 29, 2019. For more information, please visit cvc.ca/ConservationAwards

9.2. Partners in Project Green Forum – Joel Longland, Group Representative

Partners in Project Green (a project of TRCA) will be hosting their one-day Forum on Thursday, November 28, 2019 at the Pearson Convention Centre. Full details about the Forum, the speakers, and registration are available at <https://www.partnersinprojectgreen.com/events/forum-2019/>

9.3. Project Crossroads – Alice Casselman, Group Representative

Ms. Casselman provided a brief overview of the last two stakeholders meetings and provided a summary handout. The next consultation session is scheduled for November 26, 2019.

10. ENQUIRIES – Nil.

11. DATE OF NEXT MEETING(S) - Tuesday, December 10, 2019 - 9:30am, Committee Room A

12. ADJOURNMENT – 11AM (C. Suleiman)