



City of
Peterborough

To: Members of the Peterborough Environmental Advisory Committee

From: Michael Papadacos
Manager of Infrastructure Management Division

Meeting Date: October 20, 2021

Subject: Report PEAC21-025
Climate Initiatives Update

Purpose

A report to provide the PEAC with an update highlighting corporate and community climate initiatives from September to October 2021.

Recommendation

That the PEAC approve the recommendation outlined in Report PEAC21-025 dated October 20, 2021 of the Manager of Infrastructure Management Division, as follows:

That the report be received for information.

Budget and Financial Implications

There are no budgetary or financial implications associated with the recommendation.

Background

The City of Peterborough continues to pursue greenhouse gas (GHG) emission reductions by developing and implementing strategic climate initiatives, along with incorporating resiliency throughout the community and within City operations. The following climate actions highlight new or ongoing projects within Peterborough.

Climate Initiatives Update

Advancing Adaptation Project (AAP)

To date, City staff have participated in two workshops delivered by ICLEI-Canada as part of the AAP. The initial workshops are intended for municipalities to determine the best approach for implementing adaptation projects as well as creating a community-of-practice between municipalities to support each other throughout the program. The workshops introduced attendees to the necessary project considerations when designing community adaptation projects and presented several adaptation measures that have been successful in other Canadian municipalities. Lastly, staff submitted a self-assessment regarding the City's ability to advance adaptation projects through a lens of five categories with the results helping to identify areas to improve upon to enhance adaptation outcomes.

Community Buildings Retrofit (CBR) – Application Initiation

To advance corporate mitigation efforts, an application to the Federation of Canadian Municipalities' Community Buildings Retrofit program is being prepared for submission that will endeavour to understand the implications of deep renovations to community-facing facilities such as arenas. The City is applying to the *GHG Reduction Pathway Feasibility Study Grant* stream within the CBR program that will support City staff in identifying GHG reduction measures and learn about potential constraints of retrofitting specific classes of buildings like arenas. Once completed, the Study will help staff determine capital budgets required to achieve 50% GHG reductions by 2030 and 80% by 2050 for the selected community building.

Curtis Creek Channel Improvements – National Disaster Mitigation Program

The Curtis Creek Channel Improvement Project to naturalize and enhance the creek's ability to withstand flood events is advancing. Preliminary field work has been completed in consultation with First Nations (topographical survey, geotechnical, environmental inventory and archeological assessment) with fish surveys being completed this month. Letters to impacted property owners to be sent out shortly prior to the launch of the public consultation webpage.

Environment and Sustainability Corporate Webpage Refresh

The current corporate Environment and Sustainability webpage is being reworked to focus on Climate Change and the Environment. The page will be a resource for residents to learn about corporate and community projects aimed at mitigation and adaptation, along with climate change facts and climate policy information. The landing page will link visitors to ConnectPTBO, where residents can participate in engagement, surveys, and more active communication relating to climate change in Peterborough. Once launched, staff will present the revised page at a future PEAC meeting to obtain feedback and recommendations for ongoing updates.

Home Energy Efficiency Program (HEEP) – Request for Proposals Bid Closed

The Request for Proposals to obtain a consultant to support stakeholder engagement, program design, and implementation plan for the HEEP closed on September 23. Presently, submitted proposals are being evaluated to determine a winning bid, with the consultant being selected and onboarded by November 2021.

The HEEP program design and implementation plan are anticipated to be completed by September 2022.

Integrated Flood Model (IFM)

The IFM study is ongoing with our consultants and City staff filling gaps in the GIS data and preparing the various model inputs. The City has recently released a public survey to help confirm where flooding has been observed and how it affects residents and business owners. The information collected will be used to validate flood predictions. With improved data and analytics, the City can make strategic investments in sewer upgrades and flood reductions works, while developing enhanced emergency response plans. The survey can be accessed at www.peterborough.ca/floodsurvey.

Zero Emission Vehicle Infrastructure Project (ZEVIP)

The ZEVIP is proceeding with staff preparing the procurement documentation for the engineering design and installation of the electric vehicle charging infrastructure. The project will see eight dual charging stations installed at four municipal facilities in advance of transitioning the corporate light-duty fleet.

The ZEVIP is expected to be completed in 2022.

Other Initiatives

The following are completed climate action projects:

- Anti-idling signage installation completed in August 2021

There are no new updates for the following climate initiatives at this time:

- Community Climate Change Resilience Strategy (CCCRS)
- Community Solar Potential Survey Project
- Fire Station 2 – Zero Carbon Building
- Municipal Natural Asset Initiative (MNAI) Pilot Project
- Sustainable IT Total Cost of Ownership Project

Submitted by,

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