



City of
Peterborough

To: Members of the Peterborough Environmental Advisory Committee

From: Michael Papadacos
Manager of Infrastructure Management Division

Meeting Date: September 15, 2021

Subject: Report PEAC21-023
Climate Initiatives Update

Purpose

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

Recommendation

That the PEAC approve the recommendation outlined in Report PEAC21-023 dated September 15, 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 – ICLEI-Canada Funding Approval

The City was successful in its application to ICLEI-Canada's *Advancing Adaptation – Implementation through Collaboration Project* and will receive \$15,000 in funding for developing a community-facing climate resiliency project. The proposed adaptation action under consideration is constructing a low impact development (LID) on public property that will capture rainfall before it enters the storm sewer system, reducing flood risks and improving water quality. The City has entered Phase 2 of the project, which requires selecting the adaptation action and finalization of the project location for installation. The project will conclude in 2022.

Anti-Idling Sign Initiative

The City completed an anti-idling sign installation blitz throughout the community to raise the profile of Anti-idling By-law 08-077 aimed to educate and limit drivers idling near vulnerable locations in the city. A total of 71 signs were positioned near schools, parks, daycares, and health centres identified as high-risk areas from vehicle pollution. To accompany the signs, the City created an Anti-Idling FAQ document that describes the following:

- the pollution and carbon emissions created from vehicle idling,
- highlights the community health risks associated with idling,
- defines what is prohibited and allowed under the By-law, and
- provides solutions for drivers to change habits and avoid idling.

The FAQ document can be accessed in the *Document Library* on the ConnectPTBO page and will also be included in the upcoming Environment and Sustainability webpage refresh.

In addition, the City will be including information in operator training for municipal staff to inform and educate fleet vehicle operators of best practices when driving municipal vehicles. Lastly, a communication plan is being developed by staff to expand awareness of the By-law and communicate the associated health and climate impacts to the broader community.

Community Solar Potential Survey Project

The community solar potential survey was completed in July and was developed in partnership with Fleming College students and city staff. The survey identified the potential of building rooftops in Peterborough for installing solar photovoltaic panels. The survey is an interactive web application for users to determine if their property has sufficient solar capacity before contacting a solar installer for a refined evaluation.

The tool will be made publicly available once the Environment and Sustainability corporate webpage refresh is completed.

Environment and Sustainability Corporate Webpage Refresh

The refresh of the corporate Environmental and Sustainability webpage is nearing completion, with a working draft finalized. Webpage design and approval of content remain to be completed before publishing. The launch is anticipated for late September or early October.

Fire Station 2 – Zero Carbon Building

The second stakeholder consultation for the design of Fire Station 2 occurred on August 5th. The new fire station will replace the outdated Carnegie Fire Station by 2023.

Home Energy Efficiency Program (HEEP) – Funding Secured

The City has successfully secured funding from the Federation of Canadian Municipalities to design a home energy retrofit program to facilitate the transition of the local housing stock to reduce energy consumption and decrease GHG emissions. Currently, a Request for Proposals has been issued to retain a consultant to design how the HEEP will operate and develop innovative supporting mechanisms to improve homeowner participation. The consultant will complete the HEEP design and implementation plan anticipated by September 2022.

Storm Sewer System Model & Flood Risk Mapping Project

The Storm Sewer System Model & Flood Risk Mapping Project has begun with work commencing on flow monitoring in sewers and watercourses around the city and the collection and compilation of storm sewer background data. A community survey will also be distributed to acquire background information on localized flooding and flood related concerns from residents that will inform the model.

Other Initiatives

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

- Community Climate Change Resilience Strategy (CCCRS)
- Curtis Creek Channel Improvements – National Disaster Mitigation Program

- Municipal Natural Asset Initiative (MNAI) Pilot Project
- Sustainable IT Total Cost of Ownership Project
- Zero Emission Vehicle Infrastructure Project

Lastly, the application to FCM for the Stormwater Smart Grid Pilot Project was not successful in receiving funding. The City is reevaluating next steps to pilot this initiative.

Submitted by,

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