



City of  
**Peterborough**

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**To:** **Members of the Peterborough Environmental Advisory Committee**

**From:** **Michael Papadacos, Manager of Infrastructure Management Division**

**Meeting Date:** **June 16, 2021**

**Subject:** **Report PEAC21-018  
Climate Initiatives Update**

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## **Purpose**

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

## **Recommendation**

That the PEAC approve the recommendation outlined in Report PEAC21-018 dated June 16, 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 Updates**

### **Advancing Adaptation Project – ICLEI-Canada Application**

To strengthen community resiliency from extreme weather events that contribute to localized flooding, the City has applied to the Advancing Adaptation Project offered by ICLEI-Canada. If successful, the City would receive \$15,000 in funding to implement a community-facing adaptation project to mitigate climate impacts. Proposed adaptation projects would consider introducing a low impact development (LID) or depaving a portion of impermeable infrastructure in an identified flood-prone area of the city.

All applicants will be notified by June 18<sup>th</sup> if their proposals were successful.

### **Anti-Idling Sign Initiative**

To lessen the impact of pollution from vehicle idling near Peterborough schools, parks, daycares, and the hospital, new anti-idling signs are currently being installed. As of June 8, 2021, a total of 58 additional signs have been installed throughout the community. The remaining 17 signs are anticipated to be site located in the next two weeks.

### **“Climate Action at Home” Video Series Completed**

The “Climate Action at Home” video series was completed in June to support and improve homeowners’ understanding of energy-efficiency retrofits with local experts demonstrating entry-level renovations. Three videos were produced that will provide helpful instructions on how homeowners should tackle insulation, water heaters, and draft proofing projects. An additional fourth video was produced that describes the kind of renovations a homeowner should consider to achieve net-zero energy.

The video series will be embedded on the City, County, and GreenUP websites. A public awareness initiative to promote the videos is currently being developed.

### **Curtis Creek Channel Improvements – National Disaster Mitigation Program (NDMP)**

The project has started preliminary field work and engagement with First Nations has begun to incorporate Indigenous perspectives on the archaeological and natural environment studies.

The project includes channel widening, bank erosion stabilization and regrading to increase capacity, reduce bank erosion and improve hydraulics. The work is recommended through the Curtis Creek Flood Reduction Master Plan and will complete the watercourse improvements to further mitigate the flood damage within the Curtis Creek watershed and East City area.

## **Fire Station 2 – Zero Carbon Building**

An update is being provided by the PEAC representative on the project working group under a separate report.

## **Home Energy Efficiency Program (HEEP) – FCM Funding Approval**

The City has applied to the Federation of Canadian Municipalities' Community Efficiency Financing funding stream to design a program to facilitate the transition of Peterborough's housing stock to reduce energy consumption and curtail GHG emissions. While waiting for confirmation of funding, a request for proposal is being developed that will seek consultant support to create an innovative program that will overcome identified barriers to participation and advance sustained deep energy renovations in the community. Once the program design is completed the HEEP will apply for capitalization funding from FCM to implement the recommended program.

The program design is expected to be completed in the third quarter of 2022.

## **Stormwater System Model & Flood Risk Mapping Development – NDMP**

The RFP for this project closed on June 10, 2021. Submissions are currently being reviewed and staff anticipate awarding the project in July 2021.

The purpose of the study is to develop a City-wide storm sewer and urban overland flow model for the purpose of assessing the existing level of service and system performance, modeling climate change scenarios including vulnerability assessments and adaptation strategies and identifying areas most at risk during a range of flood scenarios.

## **Zero Emission Vehicle Infrastructure Project – NRCan Funding Approval**

The City was contacted by Elexicon Group Inc. regarding the previous funding application to Natural Resources Canada's (NRCan) Zero Emission Vehicle Infrastructure Project (ZEVIP) to install electric vehicle charging stations at corporate facilities. Previously, the City was advised that the application was not approved due to reduced funding to the ZEVIP program; however, additional funding has been made available and previous applications are being reconsidered. Eight dual chargers with 16 charging ports will be constructed at multiple facilities to support the adoption of electric vehicles for the light-duty corporate fleet and this funding could offset some of these costs.

## **Other Initiatives**

The following are completed climate action projects:

- "Climate Action at Home" launched June 2021

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

- Community Climate Change Resilience Strategy (CCCRS)
- Community Solar PV Potential Survey project with Fleming College
- Environment and Sustainability Corporate Webpage Refresh
- Municipal Natural Asset Initiative (MNAI) Pilot Project
- Request for Information on NRCan's 2 *Billion Trees* Initiative
- Stormwater Smart Grid Pilot Project application through FCM
- Sustainable IT Total Cost of Ownership Project

Submitted by,

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