



City of
Peterborough

To: Members of the Peterborough Environmental Advisory Committee

From: Michael Papadacos
Interim Commissioner of Infrastructure and Planning Services

Meeting Date: January 19, 2022

Subject: Climate Initiatives Update, Report PEAC22-003

Purpose

A report to provide the PEAC with an update highlighting corporate and community climate initiatives from November 2021 to January 2022.

Recommendation

That the PEAC approve the recommendation outlined in Report PEAC22-003 dated January 19, 2022 of the Interim Commissioner of Infrastructure and Planning Services, 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

Climate Change and Environment Corporate Webpage Refresh

In November, the corporate webpage refresh was completed to improve user readability and increase the amount of climate action content. The revamped [Climate Change and Environment webpage](#) also included a direct link to the Climate Change and Sustainability ConnectPTBO platform to increase participation in community climate forums.

Community Buildings Retrofit (CBR) – Pre-Application Approved

The City was successful in its pre-application screening to the Federation of Canadian Municipalities (FCM) and can now proceed with the formal application for undertaking a decarbonization pathway feasibility study for a portfolio of corporate buildings. The goal of the CBR is to develop a step-wise, costed plan of high carbon-emitting corporate buildings that significantly lowers facility GHG emissions by 2030. The CBR directly connects to the corporate Climate Change Action Plan and the Climate Emergency Declaration by targeting and planning GHG reductions of high emitting facilities. Upon approval of funding the City will retain a consultant to complete the plan.

Curtis Creek Channel Improvements – National Disaster Mitigation Program

The Curtis Creek Channel Improvement Project is progressing with the Archaeological Geotech report being reviewed by staff and the environmental assessment final report nearing completion. The project is anticipating meeting its March 31 deadline.

Fire Station No. 2 Zero Carbon Building Update

A presentation on the Fire Station No. 2 project status will be provided to PEAC members at the January 22, 2022 committee meeting detailing the selected sustainability features of the new facility.

A public engagement session will be hosted on [Connect PTBO](#) on Tuesday, January 18, 2022.

Free Youth Transit Pass

As part of approving the 2022 Budget, City Council approved a 1-year pilot program to provide free public transit for youths 12 and younger. The goal of the initiative is to instill positive transit riding habits that will result in higher ridership once youths reach adulthood and avoid reliance on single-occupancy vehicles. Correspondingly, the project aligns with community transportation mitigation objectives and is being funded from the Climate Change Action Plan account.

Home Energy Efficiency Program (HEEP) – Project Kick-off and Engagement

In November, the consultant, Dunsky Energy + Climate Advisors (Dunsky), organized the HEEP kick-off with the City's project team to gain initial feedback and finalize the project milestones. In December, the first consultation meeting with impacted municipal departments was held to ascertain the following:

- Confirming the goal of GHG reductions over energy efficiency or bill savings,
- How the HEEP can align with other City project goals/opportunities,
- Potential internal challenges of establishing and operating the HEEP, and
- Identifying missing staff/departments from the consultation process

Dunsky will continue engaging with staff, project partners, and community stakeholders from January to June to receive input into the final program design and suitable financing options for participants.

Integrated Flood Model (IFM) – National Disaster Mitigation Program

The project team has completed a first draft of the model build and is working with the stream flow and sewer flow data to calibrate the model. A calibrated model will be complete by the end of January. This model will then be used to complete various flood risk assessments, including future climate change scenarios, and to assess and prioritize capital projects identified in the Flood Reduction Master Plan and studies.

Solar Potential Survey Project

The community solar potential survey app went live on the Climate Change and Environment web page in late November. The [solar map](#) is a new resource to support residents and businesses in preliminarily determining if their properties are suitable for solar technologies. The map will be regularly updated in conjunction with the latest aerial surveys of the community obtained by the City's geomatics department.

In collaboration with the City, the Peterborough Chamber of Commerce has created a list of solar panel installers that interested building owners can contact to obtain an in-depth solar assessment. Additionally, to cross-promote the solar map, an article on ConnectPTBO's Climate Change and Sustainability page was posted along with highlighting the app at a Green Economy Peterborough information meeting in November.

Sustainable IT and Total Cost of Ownership (TCO) Projects

Green Economy Canada wrapped up its sustainable IT pilot projects that culminated with a [white paper](#) that was released in November. The City actively participated in both projects, with the introductory sustainable IT program supporting staff in determining the level of sustainability of current procurement practices and guiding staff to develop a preliminary action plan to overcome described procurement barriers. The TCO project

helped staff recognize the impact of incorporating sustainability and climate metrics into the procurement bid process to improve the understanding of the overall lifetime cost to the municipality.

Zero Emission Vehicle Infrastructure Project (ZEVIP) – Site Assessment

In December, the project contractor completed site-assessments for four corporate facilities to install eight dual-port electric vehicle (EV) charging stations. The timeline for installation is expected to be completed in 2022.

Other Initiatives

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

- Advancing Adaptation Project
- Community Climate Change Resiliency Strategy (CCCRS)
- Municipal Natural Asset Initiative (MNAI) Pilot Project

Submitted by,

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