



City of
Peterborough

To: Members of the Peterborough Environmental Advisory Committee

From: Michael Papadacos
Interim Commissioner of Infrastructure and Planning Services

Meeting Date: May 18, 2022

Subject: Climate Initiatives Update, Report PEAC22-015

Purpose

A report to provide the PEAC with an update highlighting corporate and community climate initiatives from April to May 2022.

Recommendation

That the PEAC approve the recommendation outlined in Report PEAC22-015 dated May 18, 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

Advancing Adaptation Project (AAP) – Rain Garden Program Enhancements

The rain garden video series is progressing with storyboarding and scripting nearing completion. The planned filming dates are slated to commence between the end of May and early June. The videos are expected to be completed in Q2/Q3 2022.

To further improve the rain garden subsidy program, the incentive is being raised to \$1,000 to cover construction and material costs. The enhanced subsidy will attract more participants to subscribe to the program, which will boost the annual number of rain gardens installed on residential properties.

Community Buildings Retrofit (CBR) – Application Submission

The City has submitted its Community Building Retrofit application to the Federation of Canadian Municipalities (FCM) to receive funding for facility energy modelling and decarbonization pathway development. The City requested \$194,880 in grant funding, and if successful the funds will be used to model nine energy-intensive and high GHG emitting corporate facilities. A funding decision by FCM is expected to take multiple months, with a ruling likely in Q3/Q4.

Greenhouse Gas Emission Reporting

Annual corporate and community GHG emission accounting is underway to calculate sectoral sources of emissions from buildings, transportation, and waste. Greenhouse gas inventories for corporate facilities will be submitted to the Province as per O. Reg 507/18 by July 1. Concurrently, CDP (formerly the Carbon Disclosure Project) reporting is proceeding to calculate community GHG emissions and disclose other climate issues such as adaptation and mitigation actions, risk and vulnerabilities, and climate planning and governance. The CDP report will be submitted before the July 27, 2022 deadline. Previously, Peterborough received a B score by CDP in 2021.

Home Energy Efficiency Program (HEEP) – Public Survey Completed

On May 9, the City completed its public surveying to gather resident feedback on potential program features and barriers to participation. The phone survey conducted by Mainstreet Research from April 25 to May 4 garnered 443 homeowner responses from

a statistically represented population in Peterborough. A parallel ConnectPTBO survey that ran from February 17 to May 9 received 867 project web page visits, with 168 respondents partaking in the survey. Additionally, a dedicated rental property owner survey received 17 responses from multiple property owners. The project consultant, Dunsy Energy + Climate Advisors (Dunsy), will analyze the survey results and incorporate findings into the program design.

To further improve market research, Dunsy is planning to host a targeted workshop for renovation contractors and specialists like HVAC and solar installers. The workshop will seek to receive feedback on the HEEP and how it could function through a trade industry lens. The input received will be considered in the final program design.

Resolutions for Bird Friendly City (BFC) and Bee City Canada (BCC) Certification

The City is advancing two community-wide environmental certifications with Bird Friendly City and Bee City Canada programs. Each program strives to support the integrity of local ecosystems by safeguarding bird and pollinator species through habitat protection and reducing population decline caused by human sources. [Bird Friendly Peterborough](#) and [Peterborough Pollinators](#) will be the community lead for BFC and BCC initiatives respectfully, and a City staff liaison will support each group. Finally, two City Council resolutions are compulsory as part of the certification process as directed by BFC and BCC requirements and will be presented to General Committee in the June cycle.

Zero Emission Vehicle Infrastructure Project (ZEVIP) – Council Approval

On April 25, City Council approved funding for the installation of corporate and free-of-charge community electric vehicle (EV) charging stations. Staff are moving ahead with finalizing the contract agreement between the project contractor, Elexicon Group Inc., and the City. Once the contract is signed, the project will shift to the pre-construction phase for the corporate stations. The City will submit an application to receive grant funding for the eight planned community charging stations, and it is anticipated to take 3 to 4 weeks after submission to learn if the application was successful. Lastly, per the Natural Resources Canada agreement, all EV stations must be installed before November 2022.

Other Initiatives

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

- Community Climate Change Resiliency Strategy (CCCRS)
- Curtis Creek Channel Improvements – National Disaster Mitigation Program
- Integrated Flood Model (IFM) – National Disaster Mitigation Program
- Municipal Natural Asset Initiative (MNAI) Pilot Project
- Watershed Planning Study – Engagement

Submitted by,

Michael Papadacos
Interim Commissioner, Infrastructure and Planning Services

Contact Name:

Michael Papadacos, P.Eng.
Interim Commissioner, Infrastructure and Planning Services
Phone: 705-742-7777 Ext. 1756
E-Mail: mpapadacos@peterborough.ca

James Byrne, M.CC.
Climate Change Coordinator
Phone: 705-742-7777 Ext. 1882
E-Mail: jbyrne@peterborough.ca