



City of
Peterborough

To: **Members of the Committee of the Whole**

From: **Ken Doherty, Director of Community Services**

Meeting Date: **November 7, 2016**

Subject: **Report CSD16-024**
Presentation of the draft City of Peterborough
Climate Change Action Plan

Purpose

A report to receive the draft City of Peterborough Climate Change Action Plan and associated presentation.

Recommendations

That Council approve the recommendations outlined in Report CSD16-024 dated November 7, 2016 of the Director of Community Services, as follows:

- a) That the presentation by Lura Consulting be received for information;
- b) That the draft Greater Peterborough Area Climate Change Action Plan be received for information; and
- c) That the staff be directed to report back on proposed targets and a detailed local action plan.

Budget and Financial Implications

There will be financial implications with the approval of the Climate Change Action Plan, which will be reflected in future decision-making and associated capital and operating budgets.

As a condition of the Federal Canadian Municipalities' Green Municipal Fund, all ten municipal partners must adopt their Corporate and Community greenhouse gas (GHG) reduction emission targets and associated local action plans in order to receive the final funding installment of \$66,191.

Approval of the Climate Change Action Plan will strategically position the City of Peterborough and the Greater Peterborough Area ahead of the curve when it comes to anticipated changes from the Ontario Climate Change Action Plan and its associated funding opportunities. Already the City has been able to take advantage of funding projects with the award of an EcoCanada Grant and a Great Lakes Adaptation Projection Grant.

Background

The City of Peterborough adopted the Greater Peterborough Area Community Sustainability Plan in April 2012. One of the recommendations in the Sustainability Plan was to create a climate action plan to reduce greenhouse gas emissions while increasing adaptation and resiliency.

This Plan began with the City and the County of Peterborough passing reports to initiate a Climate Change Action Plan on September 3, 2013 and September 4, 2013, respectively.

Following confirmation of a \$175,000 grant from the Federation of Canadian Municipalities' Green Municipal Fund and a \$225,000 grant from the Ontario Trillium Foundation, the City committed the remaining \$22,500 required to fund the Greater Peterborough Area Climate Change Action Plan. LURA Consulting and ICLEI Canada were hired to develop the Climate Change Action Plan on behalf of the twelve community partners.

To date, Council has received two CCAP progress reports through Report CSD15-011 on May 11, 2015, followed by Report CSD15-022 on November 30, 2015.

Climate Change Action Plan

The Climate Change Action Plan (CCAP) for the Greater Peterborough Area follows the Federation of Canadian Municipalities' Partners for Climate Protection five-

milestone framework. The objective of the CCAP is to reduce greenhouse gas emissions, reduce the use of fossil fuels, lower our energy consumption, and adapt to our changing climate.

The Plan will identify goals, actions and emission reduction targets that fit with and address the needs of each of the ten participating municipalities and the two First Nations within the Greater Peterborough Area. Each of the twelve partners will have their own unique plans – one for their municipal/First Nations operations and another for their broader community. For the purpose of this report, only the City of Peterborough data is presented.

Unlike a traditional plan, a target is something that you aim for. If you hit it great, if you don't then you adjust your sights and shoot again. The targets are set from 2011 to 2031, providing 20 years to make change happen, to advance technologies through life cycle replacement, and secure the opportunity that establishes the viable business case.

Milestone 1 – GHG Inventory

The greenhouse gas inventory, using 2011 as the base year, was completed in October 2015 and was received by Council through report CSD15-022. City of Peterborough – Corporate and Community Emissions Inventory Partners for Climate Protection Milestone 1 - October 27, 2015 is attached as Appendix C.

Milestone 2 – Set Emission Reduction Target

Following extensive staff and community engagement, targets were established that align with the City's Transportation Master Plan, the Waste Management Master Plan, the Building Code and its anticipated changes, the Integrated Community Sustainability Plan, and the Official Plan. Since staff envisioned the City being a leader on this front, targets were set that were slightly more aggressive than simply meeting the 37% target set by the Ontario Climate Change Action Plan. Part of the reason for this approach is that the Province's decision to phase out coal-fired power plants provided a 6.7% reduction in GHG alone. This together with calculating all of the Corporate and Community projects implemented between 2011 and 2016 will already provide a significant jump on our GHG reduction targets.

Based on the inventory, trends, and projections, GHG emission reduction targets were established for both the Community Sector and the Corporate (municipal) Sector.

City of Peterborough	Community Sector (CO ₂ equivalent)	Corporate Sector (CO ₂ equivalent)
2011 tonnes of GHG (estimated)	349,743	15,129
2031 GHG Forecast, based on population growth if nothing is done	389,587	16,852
Target GHG Reduction Proposed by 2031	136,768	5,989
GHG % Reduction Target	39%	40%

Milestone 3 – Develop the Action Plan

The action plan was modelled in partnership with the targets to ensure that a comprehensive strategy was in place to guide implementation. Just like the targets, the actions have been aligned with City Reports and Plans, as well as the Ontario Climate Change Action Plan and the Growth Plan for the Greater Golden Horseshoe. The Greater Peterborough Area Climate Change Action Plan, dated September 30, 2016 and Chapter 1 - the City of Peterborough Community and Corporate Climate Action Plans, dated September 30, 2016, are attached as Attachments A and B, respectively.

A condition of the Federation of Canadian Municipalities' Green Municipal Fund is that each of the partners must pass a Council resolution to adopt both the Community Sector and the Corporate Sector targets and associated action plans. Staff will report back Council with further direction on this requirement.

Milestone 4 – Implement the Action Plan

Following the adoption of the Community and Corporate Targets and Action Plan, we will transition from planning to implementation. To coordinate the implementation, a CCAP Implementation Coordinator has been hired on a one-year contract through Lura Consulting. This position will be based out of the County of Peterborough, assisting the twelve partners and their communities. Further external funding will be sought to support extending this contract position.

One of the first projects will be to quantify the Corporate and Community actions implemented between 2012 and 2016. The Coordinator will work with ICLEI Canada to quantify where the City of Peterborough currently stands on its GHG reduction targets based on action accomplished in the early years. Within a year, staff anticipates reporting back to Council on the progress of actions and where they currently stand on their Corporate and Community GHG reduction targets.

Milestone 5 – Monitor Progress and Report Results

The CCAP Implementation Coordinator will assist with monitoring progress, tracking results and reporting out.

Ontario Climate Change Action Plan

The Ontario Climate Change Action Plan is a five-year plan that will help Ontario fight climate change over the long term by reducing pollution and growing the low-carbon economy. With the launch of Ontario's cap and trade program on January 1st, 2017, this program will be instrumental in generating the revenues to finance the fight against climate change.

The Greater Peterborough Area Climate Change Action Plan has been strategically aligned to match the direction set by the province. By adopting our local Climate Change Action Plan sets the Greater Peterborough Area ahead of the curve when it comes to expected changes directed by the Province in future years. It also strategically places the City of Peterborough and the Greater Peterborough Area in a position to be able to apply for the various funding programs proposed for 2017-2018.

Summary

The City of Peterborough has committed to demonstrating leadership and sustainability through the adoption of the Sustainable Peterborough Plan and now with adoption of the City of Peterborough Climate Change Action Plan. Developed as a regional collaboration, the Climate Change Action Plan provides the targets, the actions and the approach to guide the City of Peterborough and the Greater Peterborough Area towards a sustainable and resilient future.

Submitted by,

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Attachments:

- Appendix A – Greater Peterborough Area Climate Change Action Plan DRAFT
September 30, 2016
- Appendix B – Chapter 1 – City of Peterborough Community and Corporate Climate
Action Plans September 30, 2016
- Appendix C – City of Peterborough –Corporate and Community Emissions Inventory
Partners for Climate Protection Milestone 1 - October 27, 2015