Agenda – Council – July 13, 2016

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – June 21, 2016

Item No. 1 Status Report on the Corporate Climate Action Plan

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On June 29, 2016, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment and submitted the following to Council:

1. That the Status Report on the Corporate Climate Action Plan (CCAP) as outlined in Attachment A, be received as information.

2. That the Winnipeg Public Service work with the Climate Change Working Group on developing timelines and targets for reducing greenhouse gas emissions within the City of Winnipeg, for incorporation into the final report of the Climate Change Working Group, and report back to Council in 120 days.

3. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – June 21, 2016

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On June 29, 2016, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment, and submitted the matter to Council.

STANDING COMMITTEE RECOMMENDATION:

On June 21, 2016, the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment concurred in the recommendation of the Winnipeg Public Service, with the following amendment:

- Recommendation 2

  After “within the City of Winnipeg” add “for incorporation into the final report of the Climate Change Working Group”,

and submitted the matter to the Executive Policy Committee and Council.

ADMINISTRATIVE REPORT

Title: Status Report on the Corporate Climate Action Plan

Critical Path: Standing Policy Committee on Water and Waste, Riverbank Management and the Environment - Executive Policy Committee - Council

AUTHORIZATION

Author	Department Head	CFO	CAO/COO
B. Smith	J. Kiernan	N/A	M. Jack COO

RECOMMENDATIONS

1. That Council receives as information the Status Report on the Corporate Climate Action Plan (CCAP) as outlined in *Attachment A*.
2. That the Public Service work with the Climate Change Working Group on developing timelines and targets for reducing greenhouse gas emissions within the City of Winnipeg and report back to Council in 120 days.
3. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

REASON FOR THE REPORT

A status report on the City of Winnipeg Corporate Climate Change Action Plan and Proposed Strategy for a Further 20% Reduction in Corporate Greenhouse Gas Emissions, hereinafter referred to as "City of Winnipeg Corporate Climate Action Plan"[1] has been prepared as outlined in *Attachment A*.

Council directed the Public Service to provide an annual status report to Council on corporate greenhouse gas (GHG) reductions.

Council committed to pursue the Federation of Canadian Municipalities' (FCM) Partners for Climate Protection Program 'Five Milestone' approach to corporate climate change mitigation (Council Minute No 43, Nov. 25, 1998). This report fulfills corporate Milestone 5.

Additionally, in *A Sustainable Winnipeg* Direction Strategy, Council directed the Public Service to:

- Maintain a [Corporate] Climate Change Action Plan to reduce Winnipeg's operational greenhouse gas emissions by a further 20%[2] below 1998 levels.

[1] Winnipeg City Council adopted the City of Winnipeg Climate Change Action Plan 2008 Annual Report and the City of Winnipeg Corporate Climate Change Action Plan and Proposed Strategy for a Further 20% Reduction in Corporate Greenhouse Gas Emissions on September 23, 2009 (Council Minute No. 540, September 30, 2009).

[2] The initial Council target was 20% below 1998 levels; therefore, a further 20% is equivalent to 40% below 1998 levels.

- Establish a corporate greenhouse gas reduction target for 2020 and 2035 (*A Sustainable Winnipeg*; Section 09-1)

EXECUTIVE SUMMARY

Council has adopted two separate but related targets: corporate and community-wide.

- Council's community-wide target (6% below 1998 levels) addresses all greenhouse gas emissions related to energy consumed and waste produced in Winnipeg. This is inclusive of the City's corporate emissions, which account for approximately 1% of the community total.

- The [Corporate] *Climate Change Action Plan* was last updated in 2008 and responds to Council's target to reduce emissions from municipal operations to 40% below 1998 levels. The scope of this target is greenhouse gas emissions occurring within the operational control of the City, including municipal government buildings, facilities and operations, street lighting, wastewater and potable water treatment, municipal fleet, and solid waste disposed in City buildings, parks, and public spaces. The five sectors included in the corporate inventory are detailed in *Attachment B.*

This report provides a status report on greenhouse gas emissions from corporate operations, up to and including 2013, and a forecast of future emission trends. The Public Service is not on track to achieve Council's 40% reduction target. It is recommended that the Public Service work with the Climate Change Working Group on developing timelines and targets and report back to Council in 120 days.

IMPLICATIONS OF THE RECOMMENDATIONS

The Public Service will work with the Climate Change Working Group to develop timelines and targets for reducing GHG emissions. There are no direct implications from receiving this report as information.

HISTORY

Background:
On November 25, 1998, Council passed a resolution signing on to the Federation of Canadian Municipalities (FCM) Partners for Climate Protection Program (PCP), committing the City to establish both corporate and community-wide greenhouse gas emissions reduction targets.

In 2006, the Corporate *Climate Change Action Plan* (CCAP) was adopted by Council targeting a 20% reduction in corporate emissions below a baseline year of 1998. The Public Service was also directed to provide quarterly updates on progress. The adopted Plan included GHG inventories for the years 1998 and 2003 and a series of recommended actions to achieve the target (Council Minute No. 772, September 27, 2006).

A 2007 progress report demonstrated that the 20% target had nearly been achieved.

In the 2008 State of the City address, Mayor Katz committed to a further 20% emission reduction. In May 2009, Council directed the Public Service, in consultation with the Mayor's Environmental Advisory Committee, to develop a strategy for achieving a further 20% reduction in corporate GHGs.

In September 2009, the Public Service submitted the 2008 annual report on corporate CCAP as well as a proposed strategy for achieving a further 20% emission reduction.

The City of Winnipeg Corporate Climate Action Plan report presented GHG inventories for the years 1998, 2003, 2006 and 2007 and documented the achievement of the original PCP target of 20%

emission reduction below 1998 levels. The City of Winnipeg Corporate Climate Action Plan report recognized that outside factors, such as the sale of Winnipeg Hydro displaced a large amount of emissions as these operations were no longer counted within the scope of the corporate inventory. Furthermore, this report emphasized that opportunities for emissions reduction were greatest in the areas of existing buildings and fleet, and that a strong commitment (including capital investment) would be required to meet future targets involving emission reductions.

The proposed strategy for a further emissions reduction of 20% presented an expanded 18-point plan that included action items such as a comparative analysis of three forecast scenarios over a timeframe of 2010-2019 that would demonstrate a pathway to achieving Council's revised target and cost savings associated with various scenarios.

Based on this report, on September 23, 2009, Council concurred in the recommendations of the Executive Policy Committee and adopted the following:

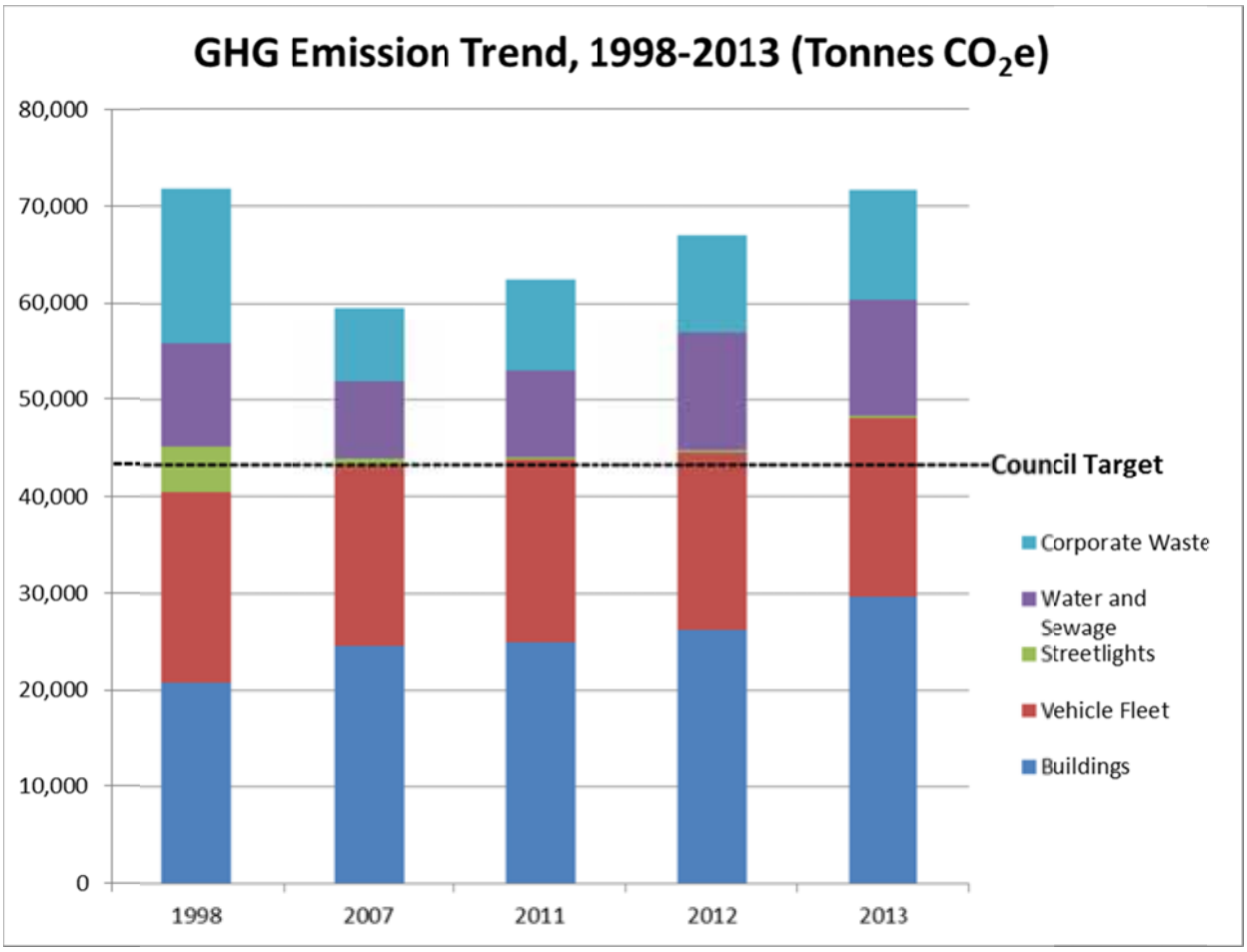
1. That the 2008 Corporate Climate Change Action Plan Annual Report documenting the achievement of a 20% reduction in corporate greenhouse gas emissions over the 1998 base year and the fulfillment of the City of Winnipeg's commitment to the corporate component of the Federation of Canadian Municipalities' Partners for Climate Protection Program, be received as information.

2. That the Corporate Climate Change Strategy and Action Plan for the reduction of a further 20% reduction in corporately generated greenhouse gas emissions be approved (Council Minute No. 540, September 23, 2009).

On July 10, 2011, Council adopted *A Sustainable Winnipeg* (an *OurWinnipeg* Direction Strategy), which re-affirmed Council's prior target resolutions for the corporate and community *Climate Change Action Plan*, directed the Public Service to establish corporate GHG targets for the years 2020 and 2035, and to create a complementary corporate energy plan to reduce energy consumption and promote the use of renewable energy sources.

Status Update:
The Public Service continues to pursue the short-term actions identified in the Status Report on the Corporate Climate Action Plan as outlined in *Attachment A*. These include the creation of a building energy management strategy, implementation of the *Green Fleet Plan* and the piloting of organics diversion programs in City facilities and operations (*Refer to Table #4 of Attachment A*).

In 2013, GHGs from corporate operations were 40.1% above Council's target levels, and have increased 20.5% since 2007. This recent growth in emissions is primarily a result of an increasing reliance on fossil fuels for building operations associated with the construction, acquisition, and expansion of City buildings and was exacerbated by colder than average temperatures in 2013.



Major actions identified in the City of Winnipeg Corporate Climate Action Plan have had varying impact on subsequent inventory years 2011-2013. For example:

- *The Green Building Policy: New Buildings and Major Additions*, adopted by Council in 2010, has already resulted in several buildings designed and certified to produce significant energy savings over a conventional building. However, this has served primarily to mitigate the impacts of recent growth in the Public Service, rather than achieve absolute reductions.
- The goal of increasing the efficiency of existing buildings, later directed through Council motion in the *Green Building Strategy for Existing City-owned and Leased Buildings*, has been implemented incrementally in conjunction with planned building renovations and maintenance and through application of the Energy Conservation capital program. However, the overall impact of these incremental efforts has not been measured.
- In 2012, the City also concluded a decade-long Power Smart agreement (negotiated upon the sale of Winnipeg Hydro) that resulted in numerous energy efficiency projects. However, most of these projects were completed prior to the 2009 Council update.
- *The Green Fleet* Plan was adopted by Council in 2010 targeting significant emission reductions by 2019, though fleet emissions have remained relatively stable since its adoption. The Winnipeg Fleet Management Agency's 2016 Business Plan will address several implementation challenges that have now been identified by the Public Service.
- The landfill gas capture system at Brady Road Resource Management Facility, commissioned in 2013, has decreased sector emissions to 29% below 1998 levels despite increases to the total volume of waste produced through corporate operations. However, maintaining and increasing this achievement presumes a continual expansion of the system.

A comprehensive methodological update to the City's greenhouse gas inventory initiated in 2011, which included a careful review of the 2007 inventory, has identified revisions, errors and omissions to the 2007 inventory previously reported to Council. These revisions include, for example, the addition of a number of City-owned and leased facilities that were not accounted for, the inclusion of personal vehicle kilometers logged for authorized business travel, and the positive impact of the landfill gas collection system. Consequently, the revised 2007 inventory shows achievement of 17.03% reduction below 1998 levels, rather than the 20.2% reported to Council in 2009. Note that this Status Report on the Corporate Climate Action Plan employs the revised 2007 numbers to maintain an apples-to-apples comparison with subsequent inventory years (2011-2013).

Next Steps

Upon approval of the recommendations in this report, the Public Service will collaborate with the Climate Change Working Group on developing timelines and targets for reducing GHG emissions within the City of Winnipeg and report back to Council in 120 days.

FINANCIAL IMPACT

Financial Impact Statement Date: May 12, 2016

Project Name:

Status Report to the Corporate Climate Action Plan

COMMENTS:

There are no direct financial implications associated with this report.

"Original Signed By"
Mike McGinn, CPA, CA
Manager of Finance

CONSULTATION

In preparing this Report there was consultation with:

Internal consultation:

- Corporate Finance: Asset Management Division
- Public Works: Parks and Open Spaces and Transportation Divisions
- Water & Waste: Wastewater, Water Services, and Solid Waste Divisions
- Winnipeg Fleet Management Agency
- Winnipeg Transit: Planning Division

External consultation: N/A

OURWINNIPEG POLICY ALIGNMENT

This report is in accordance with *A Sustainable Winnipeg*, Section 09Direction 1: Reduce the Environmental Impact of Our Actions.

SUBMITTED BY

Department: Planning, Property, and Development

Division: Urban Planning Division

Prepared by: Kristine Koster

Date: May 27, 2016

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Attachment A: Status Report on the Corporate Climate Action Plan



Status Report on the Corporate Climate Ac

Attachment B: Corporate Emissions from Municipal Operations



Corporate Emissions from Municipal Opera