Agenda – Executive Policy Committee – July 11, 2007

REPORTS

Item No. 11 Climate Change Action Plan – Quarterly Status Report
File E

ADMINISTRATIVE RECOMMENDATION:

That Council receive this report as information.

DECISION MAKING HISTORY:

COUNCIL DECISION:

On September 27, 2006, Council adopted the City of Winnipeg Climate Change Action Plan, as outlined in the report dated August 28, 2006, from the Chief Administrative Officer, and directed the Administration to report back quarterly.

Re: The City of Winnipeg Climate Change Action Plan Quarterly Status Report

FOR SUBMISSION TO: Executive Policy Committee

ORIGINAL REPORT SIGNED BY: Chief Administrative Officer

REPORT DATE: July 6, 2007

RECOMMENDATION:

1) That Council receive this report as information.

Report Summary

Key Issues:

- On November 25, 1998, the City of Winnipeg committed to the Federation of Canadian Municipalities (FCM) Partners for Climate Protection (PCP). This program requires submission of a climate change action plan detailing how specific greenhouse gas emissions targets will be met and how progress will be measured.
- On September 27, 2006, Council adopted the EPC recommendation to accept the Climate Change Action Plan and requested quarterly updates on the progress of the initiatives. This represents the second quarterly report on the CCAP.

Implications of the Recommendation(s):

General Implications

X None

( ) For the organization overall and/or for other departments

( ) For the community and/or organizations external to the City

( ) Involves a multi-year contract

Comment(s):

Policy Implications

X No

( ) Yes

Comment(s):

Regulatory Implications

X None

( ) Eliminates or reduces regulatory impact

( ) Proposes regulatory impact

Comment(s):

Environmental Implications

( ) No

X Yes

Comment(s): Progress in the initiatives contained in the CCAP will lead to a further reduction in the City's greenhouse gas emissions.

Human Resources Implications

X No

( ) Yes

Comment(s):

Financial Implications

X Within approved current and/or capital budget

( ) Current and/or capital budget adjustment required

Comment(s): All financial requirements are in existing budgets. If any adjustments are required, the Administration will bring forward a report for consideration.

Report

REASON FOR THE REPORT:

On September 21, 2006, the Executive Policy Committee made the following recommendation:

> That the City of Winnipeg Climate Change Action Plan, as outlined in the report dated August 28, 2006 from the Chief Administrative Officer, be adopted and the Administration be directed to report back quarterly, with the first quarterly report being submitted in January 2007.

Council adopted the EPC recommendation on September 27, 2006. This report represents the second quarterly report on the Climate Change Action Plan.

HISTORY:

On November 25, 1998, the City of Winnipeg committed to the Federation of Canadian Municipalities Partners for Climate Protection (PCP) program. This commitment requires Winnipeg to submit a climate change action plan detailing how specific greenhouse gas reduction targets will be met, and how progress will be measured. In order to fulfill this commitment, Council directed the Administration to prepare a Climate Change Action Plan (CCAP). The CCAP was adopted by Council on September 27, 2006 and the first quarterly report was accepted as information by Council on March 21, 2007.

DISCUSSION:

Quarterly reports on the status of initiatives will be submitted in January, April, July and October. This report represents the 2nd (April) quarterly report.

It was intended that the April quarterly reports on CCAP would provide an update of the City's overall GHG inventory for the year just prior. The inventory data for 2006 represents the first full year of data collection. However, not all of the data required was available in time for this report. As such, the annual inventory will be reported in the July quarterly report (and reported annually in the July quarterly report thereafter).

Civic Facilities

1) Continue to seek out and implement opportunities for energy efficiency and renewable energy upgrades in civic facilities

This is an ongoing initiative. The newest development is that the City of Winnipeg is in the process of preparing for an application to the Building Owners and Managers Association (BOMA) 'Go Green' certification program. This would involve certifying the City Hall complex under the Go Green program.

2) Adopting elements of green building standards for new civic facilities

Since the January update, an interdepartmental working group has been struck to look at this issue. This working group is in the process of developing an administrative directive for building to LEED standards or their equivalent.

3) Ensure that building management and other key staff members are LEED accredited

At this time, several City staff members are working towards their LEED accreditation or planning to do so in the near future. City staff are also in discussions with the Manitoba Chapter of the Canada Green Building Council regarding opportunities for other staff. This will include both further opportunities for LEED accreditation and an introductory LEED seminar for other staff members.

4) Retain membership in the Manitoba Chapter of the Canada Green Building Council and other relevant professional associations

As reported in the January 2007 update, the City continues to retain a membership in the Manitoba Chapter of the Canada Green Building Council. The membership runs until January 2008.

5) Develop a building user energy efficient practices education/promotion program

This initiative will be introduced as part of #18, through a website designed to show City staff how they can take action individually to help reduce the City's GHG emissions.

Civic Vehicle Fleet

6) Develop a vehicle information package for Fleet customers to allow them to consider fuel efficiency and other environmental options when purchasing vehicles.

This initiative is underway and further details will be provided in the next quarterly report.

7) Explore opportunities to introduce a "Smart Driving" Program (fuel efficient driving techniques course)

This initiative is scheduled to start after the completion of #9 (administrative directive to reduce idling).

8) "Right Size" the fleet and replace obsolete vehicles with more fuel-efficient, cleaner burning units

This initiative is complete. Since the formation of the Winnipeg Fleet Management Agency, the City's vehicle fleet has been reduced by approximately 30%, from over 2300 vehicles to just under 1600. In addition, the WFMA has introduced a number of cleaner, more fuel-efficient units to the fleet, including 12 hybrid vehicles.

9) Develop an administrative directive to reduce vehicle idling in the City's fleet

A working group with representation from key City departments and special operating agencies has met to discuss this issue further. A draft administrative directive is being prepared for the consideration of the Chief Administrative Officer. This initiative will likely be in place for the next quarterly report.

10) Provide administrative support for the RRVCCC and use their resources to determine best 'Green Fleet' practices from other jurisdictions

This is an ongoing initiative. The City continues to support the Red River Valley Clean Cities Association.

11) Run a biodiesel demonstration project to confirm the suitability of this fuel for use in the City's fleet

Staff from the Winnipeg Fleet Management Agency have prepared an RFP for the construction of the equipment required for this project. Construction will start in the spring and the station is expected to be operational by the end of August, 2007.

Twenty civic vehicles (heavy and medium-duty trucks) have been identified as candidates for the project. Once the project is underway, staff will be able to determine

the reductions in GHG emissions from these vehicles. This information will be provided in future reports. The blend of biodiesel will be B10 (10% biodiesel and 90% regular diesel fuel).

12) Innovation in the City's vehicle fleet

This is an ongoing initiative, and the Winnipeg Fleet Management Agency continues to investigate new and innovative technologies to improve the efficiency of the City's vehicle fleet.

13) Diesel-electric hybrid buses

The first of the diesel-electric hybrid buses is expected to join the Transit fleet in 2008. Independent testing of the different models available has shown that each bus could potentially show up to a 90% reduction in greenhouse gas emissions over the average diesel bus.

Water Consumption

14) Continue efforts to reduce water consumption through "Slow the Flow" program

This is an ongoing intiative. The final figures for per-capita consumption are not yet available for 2006, but will be incorporated into the next report in July of 2007.

Traffic Signals & Streetlights

15) Continue to replace existing traffic signals with high-efficiency LED systems

From January 1 to March 31, the City has replaced an additional 427 existing traffic signal display elements with high-efficiency LED units. This effort represents an additional annual savings of more than 109,000 kilowatt hours (kWh). In total, the City has now replaced 38.78% of all traffic signal displays, with savings to date of over 2,000,000 kilowatt hours of electricity.

The display replacement project is ongoing and updates will be provided each quarter in the CCAP report.

Corporate Waste and Solid Waste

16) Implement methane gas recapture project at the Brady Road Landfill

Work is continuing on this project and an administrative report is being prepared for consideration by the Standing Policy Committee on Infrastructure and Public Works.

Other Strategies

17) Annual collection of GHG indicators (fuel, energy, etc.) among all departments and special operating agencies.

This initiative is now in place and continues to be refined. The inventory data for 2006 represents the first full year of data collection. However, as it turns out, not all of the data is necessarily available by April. As such, the 2006 inventory will be reported in the July quarterly report.

18) Develop an environmental promotion web page on the City's intranet site, including information on reducing paper use, alternative forms of commuting and reducing energy consumption in civic facilities.

This initiative is intended to show City staff how they can take action individually to help reduce the City's GHG emissions. The majority of the content for this initiative has been written, but the project itself was delayed to allow for the development of the public 'Greenspace' website. Now that 'Greenspace' is live on the City's website, the internal page will be developed.

IN PREPARING THIS REPORT THERE WAS:

Internal Consultation With and Concurrence By:

Winnipeg Transit, Winnipeg Fleet Management Agency, Property Planning & Development, Water & Waste, Public Works.

External Consultation With:

THIS REPORT SUBMITTED BY:

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