Agenda – Council – September 20, 2018

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – September 6, 2018

Item No. 2 Winnipeg Climate Action Plan

STANDING COMMITTEE RECOMMENDATION:

On September 12, 2018, 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 Winnipeg's Climate Action Plan: Planning for Climate Change – Acting for People (the "Plan"), a copy of which is attached as Attachment "A", be approved for implementation and that the Council decision of September 30, 2009 approving the report titled Corporate and Community-wide Climate Change Action Plans to reduce Greenhouse Gas Emissions in Winnipeg, including all subsequent amendments, be rescinded.

2. That the Winnipeg Public Service review its departmental administrative objectives and plans to determine how they align with the strategic opportunity areas and priority actions identified within the Plan, and report the results to the interdepartmental Climate Change Working Group, as required by the Climate Change Working Group.

3. That the Winnipeg Public Service identify budget risks for those projects to be implemented in the short, medium and long term, which are currently underfunded or unfunded, within their yearly budget processes.

4. That the Office of Sustainability apply for external funding, through such funding programs identified in Appendix E of Attachment A, in support of the actions identified in the Plan.

5. That the Winnipeg Public Service undertake detailed greenhouse gas and economic modeling of the Plan to understand the estimated costs and benefits to the City of implementing the Plan.

6. That the Winnipeg Public Service report back annually to Council on the Winnipeg Climate Action Plan beginning in 2019.

7. 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 – September 6, 2018

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On September 12, 2018, 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 September 6, 2018, the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment concurred in the recommendation of the Winnipeg Public Service and submitted the matter to the Executive Policy Committee and Council.

Further on September 6, 2018, the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment received submissions in support of the matter from the following:

- Mark Cohoe, Executive Director, Bike Winnipeg submitted a presentation dated September 6, 2016
- Curtis Hull, Project Manager, Climate Change Connection, submitted a presentation dated September 5, 2016
- Peter Miller, Green Action Centre, a presentation dated September 6, 2016
- James Thomas, Senior Advisor, HTFC Planning & Design, submitted a communication dated September 6, 2018

ADMINISTRATIVE REPORT

Title: Winnipeg 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
L. Mierau	M. Jack	N/A	D. McNeil

EXECUTIVE SUMMARY

The ***Winnipeg Climate Action Plan: Planning for Climate Change. Acting for People*** (The Plan) outlines the City of Winnipeg and the broader community's commitment to work together. The Plan provides a framework to proactively, meaningfully, and effectively mitigate climate change by reducing greenhouse gas emissions. It is the result of several years of work by the City of Winnipeg, community leaders, stakeholders, technical experts and the public.

This report represents Phase 2 of the Plan and includes a climate vision, refreshed targets, actions and an implementation strategy that identifies opportunities for the City to work with the community to reduce emissions through policy, regulation and programming. The Plan was developed through extensive community engagement with local stakeholders and residents, as well as work across City departments.

Renewed greenhouse gas emission reduction targets support the community's vision and reflect the science of climate change mitigation – both what is possible, and what is necessary to avoid impacts associated climate change. These renewed targets include (relative to 2011 levels):

- 20% reduction in GHG emissions by 2030.
- 80% reduction in GHG emissions by 2050.

The Plan includes sector specific targets related to buildings, transportation and waste, accompanied by a suite of directions and actions envisioned to achieve these emission reductions.

RECOMMENDATIONS

1. That Winnipeg's Climate Action Plan: Planning for Climate Change – Acting for People (the "Plan"), a copy of which is attached as Attachment "A", be approved for implementation and that the Council decision of September 30, 2009 approving the report titled Corporate and Community-wide Climate Change Action Plans to reduce Greenhouse Gas Emissions in Winnipeg, including all subsequent amendments, be rescinded.

2. That the Public Service review its departmental administrative objectives and plans to determine how they align with the strategic opportunity areas and priority actions identified within the Plan, and report the results to the interdepartmental Climate Change Working Group, as required by the Climate Change Working Group.

3. That the Public Service identify budget risks for those projects to be implemented in the short, medium and long term, which are currently underfunded or unfunded, within their yearly budget processes.

4. That the Office of Sustainability apply for external funding, through such funding programs identified in Appendix E of Attachment A, in support of the actions identified in the Plan.

5. That the Public Service undertake detailed greenhouse gas and economic modeling of the Plan to understand the estimated costs and benefits to the City of implementing the Plan.

6. That the Public Service report back annually to Council on the Winnipeg Climate Action Plan beginning in 2019.

7. 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

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

- Create and maintain a community-wide Climate Change Action Plan to reduce Winnipeg's greenhouse gas emissions by 6% below 1998 levels.
- Establish a community-wide greenhouse gas reduction target for 2020 and 2035 (A Sustainable Winnipeg; Section 09-1).

Council has provided the following key directions on community-wide emissions reduction:

- As a member of the Federation of Canadian Municipalities' Partners for Climate Protection program, employ their recommended approach to action plan development. (Council Minute No. 540, 2009);

- Achieve “a transportation system that reduces its greenhouse gas emissions footprint and meets or surpasses climate change and emissions reduction goals set by the City and the Province” (Winnipeg Transportation Master Plan, Strategic Goal Six).

IMPLICATIONS OF THE RECOMMENDATIONS

Each City department identified as having the ‘Primary Responsibility’ for a particular climate action / direction should ensure the funding requirements for each action planned per fiscal year is submitted for consideration to the annual budget process and/or develop the business case for its successful implementation. The implementation of each action is contingent on the appropriate budgetary resources being approved.

These recommendations put into practice “Goal 2: Support Environmental Sustainability” identified in our Financial Management Plan, which targets financial decisions that support environmental sustainability.

If this Plan is approved, the Public Service will prioritize climate actions in their departmental plans, budgetary process, and service delivery.

HISTORY/DISCUSSION

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 November 2016 Council received the technical report entitled *Winnipeg’s 2011 Community Greenhouse Gas Inventory and Forecast*. The report updated Winnipeg’s community-wide GHG emission inventory, presented three emission forecast scenarios up to 2050, and conducted an emissions reduction opportunities assessment. This represented Phase 1 of Climate Action Plan development.

The technical report provided analysis of Council’s established service goal – the development of a community-wide climate change action plan and the 6% emissions reduction target. Key findings of this report included:

- Winnipeg is forecast to achieve Council’s service target – a reduction in community-wide greenhouse gas emissions 6% below 1998 levels – around the year 2030 based on policy identified in *OurWinnipeg*.
- Opportunities were identified to reduce community-wide greenhouse gas emissions up to 35% by 2050.

On September 27, 2017 Council received, as information, the report of the Climate Change Working Group which included a recommendation that the City proceed immediately with a Request For Proposal to support a comprehensive public consultation to develop a community-wide climate change action plan.

Winnipeg Climate Action Plan

The Federation of Canadian Municipalities Green Municipal Fund provided a grant of $94,875 to support the development of this Plan.

Urban Systems assisted the City of Winnipeg with the development of the Winnipeg Climate Action Plan.

The objectives of the Plan were to develop a vision for climate action in Winnipeg, refresh the medium and long term GHG reduction targets, and develop strategies to reduce greenhouse gas (GHG) emissions at the community level.

Development of the Climate Action Plan was supported by a public consultation program intended to:

- build public awareness about issues affecting climate change and opportunities to reduce GHG emissions in Winnipeg;
- identify and prioritize opportunities for action in Winnipeg; and
- strengthen relationships with stakeholders and the broader community that can support implementation of a local climate change action plan.

The GHG inventory that was presented to Council in 2016 showed that Winnipeg's overall community GHG emission levels were 5,379,024 tonnes of CO2e in 2011. Using the 2011 baseline year and the Low Carbon Path forecast, the Plan recommends the following emission reduction targets:

- 20 percent reduction in greenhouse gas emissions by 2030 relative to 2011 levels
- 80 percent reduction in greenhouse gas emissions by 2050 relative to 2011 levels.

The Plan provides a framework to mitigate climate change by reducing greenhouse gas emissions from the transportation, land use, building, waste sectors, as well as through community collaboration and corporate leadership. Furthermore, planning for climate adaptation and resiliency are identified as important short term actions, and complementary to mitigation actions identified in the Plan.

Working together with community partners to reduce emissions the City can realize a number of co-benefits, including but not limited to:

- Creating a more prosperous, innovative and diverse local and regional economy;
- Constructing more complete neighborhoods and revitalizing the livability of all communities throughout Winnipeg;
- Improving the efficiency of transportation networks and reducing traffic congestion;
- Building and maintaining healthier buildings to live and work in which are less expensive to operate; and
- Enhancing connectivity of green spaces and parks throughout Winnipeg to support biodiversity and natural systems.

In addition to the multiple community co-benefits that proposed actions will provide, an important part of the vision for climate action centers on social equity. Climate actions will be viewed through an equity lens to ensure fair distribution of benefits and burdens across all segments of society and the need to consider generational impacts of proposed actions that do not result in unfair burdens for future generations. Climate change impacts disproportionately affect communities that are already marginalized and disadvantaged. All climate actions will be designed to maximize their benefit to diverse and equity seeking groups.

At the community level, the Public Service will work to engage in direct partnerships with community organizations and undertake additional public consultation as necessary to implement the Climate Action Plan. Many of the proposed actions require additional detailed input and technical work prior to implementation and community and stakeholder engagement will help to inform this work. As such, Community Action Teams will be created to provide strategic advice, collaboration, and guidance during the implementation of the Plan. The work to establish clear roles and responsibilities, terms of references, and transparency in roles, participation, and outcomes for each of these committees is identified as one of many short-term actions in the Plan. The primary responsibility for this action is assigned to the Office of Sustainability.

The Climate Action Plan outlines Strategic Opportunity areas that require ownership and accountability from a wide variety of City departments. The City should continue to convene the cross-departmental Climate Change Working Group to ensure that implementation is coordinated and shared throughout the administration.

Implementation of the actions will require sustained and dedicated financial and staff resources, as well as consistent community collaboration over the long-term. The cost to implement the actions contained in this Plan can be significantly reduced by pursuing external funding, including but not limited to, Green Municipal Fund, the Low Carbon Economy Fund, the Climate and Green Fund and Natural Resource Canada grants and incentive programs.

The Public Service will monitor progress towards implementing the short-term actions over the 2018-2022 Council term. A review and update of the Strategic Opportunity areas would be completed during the last year of each Council term, so that City departments can collectively update changing priorities and needs to reflect completed projects, technology innovations, and continuous learning.

The intent is to publicly report on the Winnipeg Climate Action Plan on an annual basis and at minimum update the community GHG inventory in the last year of each Council term to quantify and demonstrate that the City is on track towards reaching its GHG emission reduction targets.

Economic modelling related to this Climate Action Plan, such as completed in Toronto, Edmonton and Calgary’s Climate Plans, was outside of the scope of this Plan’s development. This is a necessary next step in order to better understand the business case and financial implications of climate action and inaction.

FINANCIAL IMPACT

Financial Impact Statement **Date:** June 4, 2018

Project Name:

Winnipeg Climate Action Plan

Comments:

This report recommends implementation of *Winnipeg's Climate Action Plan: Planning for Climate Change. Acting for People* (the Plan), the approval of which carries no immediate financial implications.

However, the Plan identifies Actions to be implemented many of which will carry financial implications. Each Strategic Opportunity area is intended to support and advise Winnipeg's planning and capital investment decisions, as such each Action is contingent on the appropriate budgetary resources being approved through the annual budget process.

(Original signed by T. Yanchishyn)

Tanis Yanchishyn
Manager of Finance (Campus)
Corporate Finance Department

CONSULTATION

This Report has been prepared in consultation with:

Internal Consultation: Planning, Property and Development, Public Works, Water and Waste, Winnipeg Transit, Winnipeg Parking Authority, Winnipeg Fire and Paramedic Service, Finance, Winnipeg Fleet Management Agency, Office of Public Engagement, Natural Services, Office of Sustainability, Legal Services (as to legal issues).

External Consultation: Public Engagement and Stakeholder dialogue was conducted as part of this project. The latter included Aboriginal Council of Winnipeg, Assiniboine Credit Union, Bike Winnipeg, Canadian Mennonite University, Canadian Mortgage and Housing Corporation, Centre for Indigenous Environmental Research, Climate Change Connection, Downtown BIZ Association, Green Action Centre, International Institute for Sustainable Development (IISD), Manitoba Chamber of Commerce, Manitoba Chapter - Canada Green Building Council, Manitoba Energy Justice Coalition, Manitoba Environmental Industries Association, Manitoba Home Builders Association, Manitoba Hydro, Manitoba Trucking Association, Peg - Winnipeg's Community Indicator System (United Way Winnipeg and IISD Partnership), Province of Manitoba, Red River College, Risk Sciences International, University of Winnipeg, University of Manitoba, Urban Development Institute, Winnipeg Chamber of Commerce, Winnipeg Foundation, Winnipeg Metropolitan Region, Winnipeg Regional Health Authority.

OURWINNIPEG POLICY ALIGNMENT

This report is in accordance with *A Sustainable Winnipeg*, Section 09-1, which directs the Public Service to:

- Create and maintain a community-wide Climate Change Action Plan to reduce Winnipeg's greenhouse gas emissions by 6% below 1998 levels.
- Establish a community-wide greenhouse gas reduction target for 2020 and 2035

SUBMITTED BY

Department: Office of the Chief Administrative Officer
Division: Office of Sustainability
Prepared by: Lindsay Mierau
Date: May 31, 2018

Attachments: