Agenda – Council – July 23, 2020

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – July 8, 2020

Item No. 2 Source Separated Organics Pilot Project Update – Residential Food Waste Collection

STANDING COMMITTEE RECOMMENDATION:

On July 15, 2020, 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 this report be received as information.

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – July 8, 2020

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On July 15, 2020, 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 July 8, 2020, 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.

COUNCIL DECISION:

On December 12, 2019, Council concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment and adopted the following:

1. That the 2020 capital project, CIWMS – Source Separated Organics, Curbside Pilot, of $1,800,000 as outlined in the capital detail sheet included in Appendix A, to be funded by Waste Diversion Reserve – Account Distribution No. 445 181000 200753 2065000920, be approved.

2. Subject to the approval of Recommendation 1, that expenditures of up to $1,800,000 be authorized in 2019 or prior to the adoption of the 2020 Capital Budget, as a first charge against the Solid Waste Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter, in order to procure contracts for the pilot project.

3. That the Public Service implement a residential food waste collection pilot project and report back to Council with recommendations regarding a city-wide program by 2023.

4. That the Public Service report back to Council in 2020, prior to the start of the pilot project, with an update on the project implementation, including the selected collection routes, and public engagement strategy.

Report – Standing Policy Committee on Water and Waste, Riverbank Management and the Environment – July 8, 2020

DECISION MAKING HISTORY (continued):

COUNCIL DECISION (continued):

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

ADMINISTRATIVE REPORT

Title: **SOURCE SEPARATED ORGANICS PILOT PROJECT UPDATE (RESIDENTIAL FOOD WASTE COLLECTION)**

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

AUTHORIZATION

Author	Department Head	CFO	CAO
M. Gordichuk, CCLP, Manager, Solid Waste Services	M. L. Geer, CPA, CA, Director, Water and Waste Department	N/A	M. Ruta, Interim CAO

EXECUTIVE SUMMARY

The Public Service has advanced the design of a two-year Residential Food Waste (RFW) Collection Pilot Project (2020-2022) and developed data collection, communication and education, and public engagement strategies for the project. The RFW Collection Pilot will evaluate residents' acceptance of RFW collection, opportunities to implement a comprehensive City-wide program and barriers to participation for residents.

To assist the Solid Waste Services Division, a project team has been assembled to provide technical support towards the development and implementation of the pilot project and its public engagement activities. This team is comprised of representatives from the Water and Waste Department, the Office of Public Engagement and subject matter experts from Dillon Consulting Limited, Landmark Planning and Probe Research (retained via RFP 607-2019).

The project team has developed a three-phase public engagement strategy that will use various techniques to engage participants, measure program participation and gather participant feedback about RFW collection. The pilot project will collect food waste (i.e., fruit and vegetable scraps, meat, bones) from approximately 4,000 homes across five areas. These areas have been selected by analyzing a variety of demographic and logistic measures, which provide a representative sample of Winnipeg households.

The RFW Collection Pilot Project is within budget, with data collection beginning in June 2020, and curbside cart collection scheduled to start in October 2020.

RECOMMENDATIONS

That this report be received as information.

REASON FOR THE REPORT

On December 12, 2019, Council concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment and adopted the following:

1) *That the 2020 capital project, CIWMS – Source Separated Organics, Curbside Pilot, of $1,800,000 as outlined in the capital detail sheet included in Appendix A, to be funded by Waste Diversion Reserve – Account Distribution No. 445 181000 200753 2065000920, be approved.*
2) *Subject to the approval of Recommendation 1, that expenditures of up to $1,800,000 be authorized in 2019 or prior to the adoption of the 2020 Capital Budget, as a first charge against the Solid Waste Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter, in order to procure contracts for the pilot project.*
3) *That the Public Service implement a residential food waste collection pilot project and report back to Council with recommendations regarding a city-wide program by 2023.*
4) *That the Public Service report back to Council in 2020, prior to the start of the pilot project, with an update on the project implementation, including the selected collection routes, and public engagement strategy.*

This report is in response to item #4.

IMPLICATIONS OF THE RECOMMENDATIONS

There are no implications associated with the recommendation of the report.

At the time of this report, it is anticipated that the project (specifically the collection start date) will not be impacted by the COVID-19 pandemic. However, it is unknown what future impacts a continued pandemic will have on all aspects of the project, including procurement of collection carts and print material or availability of collection equipment and/or crews.

The Public Service will continue to implement the RFW collection pilot project in accordance with Council's direction of December 12, 2019.

HISTORY/DISCUSSION

On December 12, 2019, Council directed the Public Service to develop a RFW collection pilot program and report back to Council with recommendations regarding a city-wide program by 2023. The Public Service was also directed to provide Council with an update on the project implementation, including the selected collection routes and the public engagement strategy, prior to the start of the pilot project.

RFW Collection Pilot Project Update

Timeline

- Project planning and procurement: 9 months (January 2020 – September 2020)
- Public engagement and data collection: approximately 24 months (Q2 2020 – Q3 2022)
- Duration of collection: approximately 24 months (October 2020 – September 2022)
- Report to Council with recommendations regarding a city-wide program: Q3 2023

Collection

- Number of households: approximately 4,000 households across five collection areas
- Collection frequency: weekly, same day as garbage and recycling
- Containers: organics cart (approximately half the size of standard garbage and recycling carts)
- Collection method: automated or semi-automated collection performed by the current collection service providers, in front street and back lane areas

Composting

The Water and Waste Department has received approval from the Province of Manitoba to process the organic material collected from the RFW pilot project at its yard waste composting facility located at the Brady Road Resource Management Facility.

Budget

The pilot project is currently within the estimated budget of $1.8 million and will be funded from the Waste Diversion Reserve.

Public Engagement Strategy

The public engagement strategy will be led by the consulting team retained by the City, with support from the Office of Public Engagement. The public engagement strategy will have three phases. Each phase will use a variety of techniques to engage participants in the RFW Collection Pilot Project. Goals for the public engagement program include:

- Capturing residents' input to improve the implementation and delivery of the pilot program
- Understanding how the pilot program is working for residents and what could potentially be improved if a city-wide program was approved
- Understanding barriers for residents to program participation and success
- Understanding the effectiveness of communication and education material, collection containers, and other program supports for residents

A communication and education strategy will include material for online use (City website), a welcome package for participants and material supporting the public engagement strategy. The data collection and analysis strategy will gather participation information via waste audits, collection truck data and visual cart inspections, as well as city-wide surveys that the general public will be able to participate in. This information will inform our understanding of participation in conjunction with the public engagement strategy.

The results of the data collection and public engagement strategies will be analyzed to measure program participation, participant feedback on RFW collection and overall residential waste disposal behaviours.

Area Selection

Five areas have been selected to represent a broad range of Winnipeg households. These were selected by analyzing a variety of demographic and physical characteristics such as collection day, front street/back lane collection, age of neighbourhood, household income and household size. Collectively, these areas, located in the following wards, represent the diversity of Winnipeg:

AREA	WARD
Linden Woods	River Heights-Fort Garry
St. George	St. Vital
Inkster Gardens	Point Douglas
Mission Gardens	Transcona
Daniel McIntyre	Daniel McIntyre

FINANCIAL IMPACT

Financial Impact Statement **Date:** June 8, 2020

Project Name:

SOURCE SEPARATED ORGANICS PILOT PROJECT UPDATE (RESIDENTIAL FOOD WASTE COLLECTION)

COMMENTS:

There are no financial implications from this report. Known and estimated future year costs are included in the Council approved 2020 Capital Budget

"Original signed by L. Szkwarek, CPA, CGA"
Lucy Szkwarek, CPA, CGA
Manager of Finance and Administration

CONSULTATION

This Report has been prepared in consultation with:

Office of Public Engagement – development of public engagement strategy

OURWINNIPEG POLICY ALIGNMENT

This report is in accordance with the OurWinnipeg policies through

OurWinnipeg Reference: 02-2 Environment

WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

Key Direction and Actions 6.1 Reduce Consumption and Increase Waste Diversion from Residential, Commercial and Industry:

- Implement direction from the Comprehensive Integrated Waste Management Strategy to advance the priority of organic material diversion from the landfill. (Short Term 2018-2022)
- Continue to invest in educational and awareness programming to help maximize waste diversion (i.e. recycling and organics). (Short Term 2018-2022)
- Advance strategies and pilot projects to divert and utilize biomass resources for energy production. (Medium Term 2022-2026)
- Explore feasibility of rationalizing waste management facilities and services with regional partners to better manage waste, reduce emissions and increase diversion. (Medium Term 2022-2026)

SUBMITTED BY

Department: Water and Waste Department
Division: Solid Waste Services
Prepared by: Ash Raichura, P. Eng.
Date: June 17, 2020
File No.: G-261