Agenda – Council – April 27, 2023

Report – Standing Policy Committee on Water, Waste and Environment – April 17, 2023

Item No. 2 Cost and Schedule for Existing Underground Water and Sewer Capacity Study

STANDING COMMITTEE RECOMMENDATION:

On April 18, 2023, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Water, Waste and Environment and submitted the following to Council:

1. That the report be received as information.

Report – Standing Policy Committee on Water, Waste and Environment – April 17, 2023

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 18, 2023, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Water, Waste and Environment and submitted the matter to Council.

David Grant submitted a communication with respect to the matter.

STANDING COMMITTEE RECOMMENDATION:

On April 17, 2023, the Standing Policy Committee on Water, Waste and Environment concurred in the recommendation of the Winnipeg Public Service and submitted the following to the Executive Policy Committee and Council:

1. That the report be received as information.

David Grant submitted a communication with respect to the matter.

COUNCIL DECISION:

On April 28, 2022, 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 an extension of time of up to 270 days be granted for the Winnipeg Public Service to report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

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

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 20, 2022, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment submitted the matter to Council.

Report – Standing Policy Committee on Water, Waste and Environment – April 17, 2023

DECISION MAKING HISTORY (continued):

STANDING COMMITTEE RECOMMENDATION:

On April 4, 2022 the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment submitted the following to the Executive Policy Committee and Council:

1. That an extension of time of up to 270 days be granted for the Winnipeg Public Service to report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

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

COUNCIL DECISION:

On October 28, 2021, 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 an extension of time of up to 180 days be granted for the Winnipeg Public Service to report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

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

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On October 20, 2021, 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.

Report – Standing Policy Committee on Water, Waste and Environment – April 17, 2023

DECISION MAKING HISTORY (continued):

STANDING COMMITTEE RECOMMENDATION:

On October 8, 2021, the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment submitted the following to the Executive Policy Committee and Council:

1. That an extension of time of up to 180 days be granted for the Winnipeg Public Service to report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

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

COUNCIL DECISION:

On June 24, 2021, Council adopted the recommendation of the Executive Policy Committee, as amended, which included the following:

3. That the Public Service be directed to return in up to 90 days with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

ADMINISTRATIVE REPORT

Title: WATER AND WASTEWATER INFRASTRUCTURE CAPACITY STUDY – 2023 UPDATE

Critical Path: The Standing Policy Committee on Water, Waste and Environment – Executive Policy Committee – Council

AUTHORIZATION

Author	Department Head	CFO	CAO
C. D. Wiebe, P, Eng., CAMP, Manager of Engineering Services	Tim W. Shanks, M. Eng. P. Eng., Director of Water and Waste	N/A	M. Jack

EXECUTIVE SUMMARY

This report is to provide an update to the schedule for the Water and Wastewater Infrastructure Capacity Study.

The Phase 1 of the work is to review how other utilities provide this information. A Request for Proposal (RFP) for this was issued in the Fall of 2022 but did not receive any bids. The interested proponents cited a lack of staffing, concerns with the short schedule, and the complexity of the work as reasons for not bidding. The schedule, budget, and scope were adjusted based on their feedback and the Public Service re-issued a Request for Proposal in February 2023.

The work is expected to take approximately one year to complete and will conclude in spring/early summer 2024. As part of the work, the successful consultant will make recommendations related to scope, schedule, and budget for subsequent phase(s).

RECOMMENDATIONS

That this report be received as information.

REASON FOR THE REPORT

On June 24, 2021, Council directed the Public Service to report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg, starting with the most critical areas of the city as recommended by the Public Service.

Subsequent extensions of time to report back were granted.

IMPLICATIONS OF THE RECOMMENDATIONS

There are no implications to receiving this report as information.

HISTORY/DISCUSSION

On June 24, 2021, Council concurred in the recommendation of the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment that the Public Service report back with a cost and schedule to map out the existing underground water and sewer capacity in Winnipeg.

Winnipeg's strategic plan is for half of new residential units to be in infill areas. To meet this goal, the City has been directed to make infill development "easier, more desirable, and more predictable."

Infill development uses existing sewer collection, land drainage, and water distribution systems. The City needs to evaluate the capacity of the existing system, and use the results to guide development in infill areas and new communities.

In Phase 1, a Request for Proposal (RFP) was planned to determine the following:

- A review of the City's internal development application processes.
- Conduct a market scan to assess how other Canadian cities assess their infrastructure capacity and processes.
- Develop process improvement options for the City to pilot.

An RFP for Phase 1 was advertised on the City of Winnipeg Bid Opportunity Page and the MERX Canadian Public Tenders website on September 28, 2022, and closed on October 31, 2022.

No proposals were submitted from the three qualified consulting firms that attended the mandatory Proponent Conferences. A debrief with each consulting firm concluded the following rationales as the main contributing factors for not submitting a proposal:

- Lack of internal resources to carry out the project.
- Risk in conducting the market scan of cities based on a fixed-fee pay schedule.
- Concern with the short schedule for the work.

The schedule, scope, and budget was revised based on their feedback:

- The timeframe for the work was extended by approximately three months.
- The budget was increased to $400,000.00 from $295,000.00.
- Proponents who had previously expressed interest have been given advanced notice of the future RFP.

The revised RFP will be re-issued in February 2023 to address the feedback outlined above.

The RFP for Phase 1 will be open until the end of March, with an anticipated award in April 2023. The work is expected to take approximately one year (spring 2024) but will depend on the successful proponent's proposed schedule.

The outcome of Phase 1 will be the basis for Phase 2; a pilot study in high-demand areas within Winnipeg as selected by the Public Service. The implementation timeline for Phase 2 will be dependent upon the findings from Phase 1, and the consultant will recommend a schedule for piloting the process improvement options.

FINANCIAL IMPACT

Financial Impact Statement Date: February 24, 2023

Project Name:

WATER AND WASTEWATER INFRASTRUCTURE CAPACITY STUDY – 2023 UPDATE

COMMENTS:

There are no financial implications arising from the recommendations of this report.

Lucy Szkwarek, CPA, CGA

Lucy Szkwarek, CPA, CGA
Manager of Finance and Administration

CONSULTATION

This Report has been prepared in consultation with:

N/A

OURWINNIPEG POLICY ALIGNMENT

This report is in accordance with the OurWinnipeg 2045 policies through:

Policy 1.4 Integrated Knowledge and Resources, by coordinating inter-departmental systems, projects and
resources.

> Objective: Leverage internal and external expertise to better understand the service needs to maximize community outcomes through optimization of resources.

WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

N/A

WINNIPEG POVERTY REDUCTION STRATEGY ALIGNMENT

N/A

SUBMITTED BY

Department: Water and Waste
Division: Engineering Services
Prepared by: Ho Lau, C.E.T.
Date: February 24, 2023
File No.: W-1042