

EPCOR Water Services Inc. - Stormwater Integrated Resource Plan Risk Ranking Framework

Recommendation

That the June 8, 2018, Financial and Corporate Services report CR_6000, be received for information.

Executive Summary

This report provides a progress update from EPCOR Water Services Inc. on the development of the Risk Ranking Framework for the Stormwater Integrated Resource Plan.

Report

On February 23, 2018, EPCOR Water Services Inc. ("EWSI") provided Utility Committee with an update on the transition to a Stormwater Integrated Resource Planning approach for stormwater management in Edmonton (please refer to Financial and Corporate Services report CR_5527).

EWSI has prepared the attached report (Attachment 1) to provide a progress update to Utility Committee on the development of a Risk Ranking Framework for the Stormwater Integrated Resource Plan. EWSI is developing a risk framework that allows each of the approximately 1,200 sub-basins in the city to be risk ranked from three perspectives (for both the Urban Flooding and River Flooding Climate hazard perspective):

- capacity (potential for both basement and overland flooding);
- condition (including environmental objectives); and
- social impacts.

The report provides an update on the information EWSI has been able to collect for each of these three perspectives and where additional analysis or monitoring is required to fully assess the risks within a particular sub-basin.

EWSI is requesting feedback from the Utility Committee that the components to be considered in the development of the Risk Framework tool meet expectations and that

any additional items that should be considered be identified at the June 8, 2018 Utility Committee meeting.

Over the next few months, EWSI will continue to fully develop the risk framework, complete the data validation, and undertake public engagement. EWSI will then return to Utility Committee in October 2018 with the Risk Framework scenarios and initial Stakeholder Engagement results to help support Utility Committee direction on the recommended priorities to develop the capital and operational expenditures to improve the overall resiliency of the stormwater network.

Corporate Outcomes and Performance Management

| Corporate Outcome(s): Sound Management Practices and Process | | | |
|---|---|------------------|--|
| Outcome(s) | Measure(s) | Result(s) | Target(s) |
| Ongoing monitoring and reporting of EPCOR utility services regulated by Council | Annual and periodic reporting of utility operations | TBD (2018) | Annual Progress Report - Water, Wastewater, Drainage (June) Annual Operational Plan (Q1) Mid Year Update Report (August) |

Attachments

1. Stormwater Integrated Resource Plan (SIRP) - Developing the Risk Framework

Others Reviewing this Report

- G. Cebryk, Acting Deputy City Manager, City Operations
- A. Laughlin, Deputy City Manager, Integrated Infrastructure Services
- L. McCarthy, Deputy City Manager, Urban Form and Corporate Strategic Development