

REPORT

Engineering Services

To: Mayor Cote and Members of Council **Date:** September 27, 2021

From: Lisa Leblanc
Director of Engineering Services **File:** 01.0400.01
(Doc# 1923385)

Item #: 2021-352

Subject: **Application for Grant Funding to the 2021 UBCM Asset Management Planning Program**

RECOMMENDATION

THAT Council approves the submission of a grant application for the *Pump Station Condition Assessment and Condition Framework* to the Union of British Columbia Municipalities (UBCM) 2021 Asset Management Planning Program.

PURPOSE

The purpose of this report is to seek Council support for staff to apply for grant funding for 'Pump Station Condition Assessment and Condition Framework' under the UBCM 2021 Asset Management Planning Program.

SUMMARY

A significant portion of New Westminster requires City owned and operated pump stations for drainage and sanitary sewage servicing due to the low-lying nature of these areas. In order to proactively manage the pump stations, staff must know the current condition of the pump stations. As the last condition assessment was completed in 2005, the pump stations are due for another condition assessment at this time. UBCM is accepting applications for its 2021 AM Planning Program and staff would like to submit this project for grant funding. The grant application requires an accompanying council resolution.

BACKGROUND

The City of New Westminster owns and operates 36 drainage and sanitary pump stations that are required in low-lying areas for drainage and sanitary sewage servicing.

Asset management is a coordinated process integrating planning, finance, and operations to effectively manage infrastructure to maximize benefits, reduce risk, and promote sustainable service delivery.

As part of asset management best practices, condition assessments are used to quantify, inform, and prioritize preventative maintenance and capital replacement efforts on existing assets.

Condition data must be reviewed and updated to remain useful for decision-making. The City is due for another pump station condition assessment.

UBCM is accepting applications for its 2021 Asset Management Planning Program. Applications require a council resolution indicating council's support for the project. Staff intends to submit an application for the *Pump Station Condition Assessment and Condition Framework* to this grant program.

EXISTING POLICY AND PRACTICE

Council adopted the Asset Management Policy in April 2017. One of the principles stated in this policy is to conduct condition assessments to ensure agreed levels of service can be maintained and to identify asset renewal priorities.

Council endorsed the Strategic Asset Management Plan (SAMP) in April 2019. The SAMP defines an approach to developing a condition framework to ensure consistency across different asset classes. Staff will follow the guideline defined in the SAMP to complete the pump station condition assessment.

ANALYSIS

Condition data is used by staff to guide preventative maintenance and capital projects. This data will be used to maximize the useful life of the pump stations and prevent expensive reactive repairs. Additionally, the information collected by this project will be used to support the Sewers Asset Management Plan, work on which will begin in 2022.

The last pump station condition assessment was performed in 2005 and needs to be undertaken again to remain useful for decision making. The condition assessment will be completed using the 2019 SAMP as a guideline. The project seeks to:

- Assess the current state of 36 pump stations and provide recommendations in order to maintain reliable level of service;
- Develop a framework to rate or quantify the condition of major components of the pump stations;

- Provide an estimated service life and replacement value for the major components of the pump stations.

SUSTAINABILITY IMPLICATIONS

The pump station condition assessment provides key information required by staff to deliver sewer services in a sustainable and fiscally responsible manner.

FINANCIAL IMPLICATIONS

The project is estimated to cost approximately \$75,000. This work has been included in the existing 2021 City sewer utility capital planning budget.

If successful, the UBCM 2021 Asset Management Planning Program will provide \$15,000. The City sewer utility capital program will fund the remaining amount of \$60,000 within the current Financial Plan.

INTERDEPARTMENTAL LIAISON

The Finance Department and Office of Intergovernmental Affairs support this grant application.

OPTIONS

The following options are presented for Council's consideration:

1. Approve the submission of a grant application for the the *Pump Station Condition Assessment and Condition Framework* to the UBCM 2021 Asset Management Planning Program;
2. Provide other direction to staff.

Staff recommends option 1.

CONCLUSION

An integrated Asset Mangement program is key to a healthy and sustainable municipality. Condition assessments are one of the building blocks required to practice sustainability to maximize the life of the asset and to reduce uncertainties and risk. Staff recommends submitting the *Pump Station Condition Assessment and Condition Framework* to the UBCM 2021 Asset Management Planning Program for funding assistance.

ATTACHMENTS

Attachment 1 - UBCM Local Government Program Service 2021 Asset Management Planning Program & Application Guide

APPROVALS

This report was prepared by:

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This report was reviewed by:

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This report was approved by:

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