



STAFF REPORT

Title: Sanitary Master Plan Update 2018

Meeting Date: May 17, 2022

Executive Summary:

Administration will be presenting the City of Cold Lake's current Sanitary Master Plan to update the Corporate Priorities Committee of Council on the sanitary system including system performance, deficiencies, and recommendations made in the Sanitary Master plan for future upgrades.

Background:

A master plan is a dynamic long-term planning document that provides a conceptual layout to guide future growth and development. It includes analysis of land use, growth, existing condition of the asset, future needs, and recommendations including cost estimate to meet the future demands. The masterplan enables implementation of infrastructure and system planning of individual utility components through long-term capital budget planning.

The current sanitary master plan (2018) is a major update to 2009 plan as it not only incorporates the inflow and infiltration study but also provide servicing concepts for the annexed lands.

The update to the Sanitary Master Plan was initiated to understand and plan for the capital sanitary infrastructure needed to accommodate future developments within the proposed annexation areas. The update to the Sanitary Master Plan was completed in 2018. The base 2018 Sanitary Master Plan performed a comprehensive inflow and infiltration study with 2 years of field data collection. The inflow and infiltration component of the 2018 Sanitary Master Plan identified sources of extraneous flow and recommended possible remedies to minimize extraneous flows to the sanitary system.

In 2020 a memorandum to the 2018 Master Plan was performed to finalize and revise the servicing concepts for the newly (actual) annexed lands and is released as Sanitary-Concept-Upgrades-Final-Memorandum-Oct-2020.

Because of the large file size, the latest Sanitary Master Plan is not attached to this report but a link to the Sanitary Master Plan (4 parts) is provided below for reference and ease of download.



Link to Part 1:

https://coldlake.com/en/city-hall/resources/Plans-Reports-and-Studies/ColdLake_InflowandInfiltration_FinalReport_1.pdf

Link to Part 2:

https://coldlake.com/en/city-hall/resources/Plans-Reports-and-Studies/ColdLake_InflowandInfiltration_FinalReport_2.pdf

Link to Part 3:

https://coldlake.com/en/city-hall/resources/Plans-Reports-and-Studies/ColdLake_InflowandInfiltration_FinalReport_3.pdf

Link to Part 4:

https://coldlake.com/en/city-hall/resources/Plans-Reports-and-Studies/City-of-Cold-Lake_Sanitary-Concept-Upgrades-Final-Memorandum-Oct-2020.pdf

Alternatives:

For Information only

Recommended Action:

For information only

Budget Implications (Yes or No):

No

Submitted by:

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