



UTILITY SERVICES

TO: Council
DATE: May 25, 2021
FILE: 4060-100
SUBJECT: East Rocky View Wastewater Transmission Main Repair

DIVISION: 6
APPLICATION: N/A

EXECUTIVE SUMMARY:

Administration is requesting a budget adjustment of up to \$985,000 for blockage removal and remediation required for the East Rocky View Wastewater Transmission Main.

Administration has been working through the system blockages since the end of March. The blockages have now been removed and additional safe guards have been installed to improvement system operations.

ADMINISTRATION RECOMMENDATION:

Administration recommends approval in accordance with Option #1.

BACKGROUND:

The operations of the East Rocky View Transmission line was recently impacted. Multiple blockages were identified throughout a 99.0 km stretch of force main between Balzac and Conrich. The East Rocky View Transmission line has a total system length in excess of 50.0 km. Such blockages forced the shutdown of the wastewater transmission line and resulted in the emergency and necessary cleaning of the force main. Wastewater was delivered via trucks from the Balzac area to the Conrich lift station and thereafter pumped to the Langdon Wastewater Treatment Plant.

Administration hired contractors to perform the necessary cleaning and repairs of the wastewater force main to return the line to service which included flushing the blocked areas and vacuuming out the waste. This resulted in the cleaning of a total of 1800 meters of the force main. The recently cleaned areas that were flushed are susceptible to the collection of debris and flush points were installed along the line for cleaning and pipe access. This infrastructure will remain in place for future operations of the system.

Administration ensured that no service disruptions occurred throughout the duration of the cleaning and repair of the force main. It is anticipated that the current increased flows will provide enough scouring velocity to ensure the system is kept clear of debris. Ongoing inspections of the interior of the force main will occur to monitor any potential build-up within the pipe.

BUDGET IMPLICATIONS:

Up to \$985,000 will be funded by the Tax Stabilization Reserve. Repayment of the Reserve will be forthcoming report to Council once Administration has finalized it review and assessment of the root cause of the blockages and developed repayment options for consideration.



OPTIONS:

Option #1: THAT the Budget Adjustment for the East Rocky View Transition Main Repair be approved as described in Attachment 'A'.

Option #2: THAT alternative direction be provided.

Respectfully submitted,

Concurrence,

"Byron Riemann"

"Kent Robinson"

Executive Director

Acting Chief Administrative Officer

SS/bg

ATTACHMENTS:

ATTACHMENT 'A': Budget Adjustment Form