



Item .....
Meeting ..... Meeting 2015 Dec 14

## COUNCIL REPORT

**TO:** CITY MANAGER **DATE:** 2015 Dec 08

**FROM:** DIRECTOR ENGINEERING **FILE:** 32000-05

**SUBJECT:** 2016 ENGINEERING CAPITAL INFRASTRUCTURE SANITARY SEWER FUNDING REQUEST

**PURPOSE:** To request funding approval for 2016 Sewer capital improvements.

**RECOMMENDATIONS:**

1. **THAT** Council approve capital expenditures of \$12.116 Million for infrastructure programs as outlined in this report.
2. **THAT** Council authorize staff to fund from the Sanitary Sewer Capital Fund the amount of \$12.682 million (inclusive of GST) to finance the capital programs as outlined in this report.

**REPORT**

The 2015 – 2019 Financial Plan contains multi-year capital improvements to be funded from the Sanitary Sewer Capital Fund. In order to proceed with the design and construction in a timely manner, it is necessary to have funding approval in place. Sufficient Capital Reserves are available to complete these works.

**1.0 2016 CAPITAL PROGRAMS**

For capital programs that have spending in both 2016 and 2017, the funding for both years is being raised here in order to be able to award contracts for construction.

**1.1 Sanitary Main Renewals (2016 Program) (EKA.0014) \$7,551,000**

The City has an annual sanitary sewer renewal program that consists of combined sewer separation, condition based sewer main renewal, and capacity upgrades to accommodate growth and re-development. Separation of combined sewers into separate sanitary and storm sewer systems is an integral part of the City's commitment to eliminate existing combined sewer overflows into the environment and is a key component of the regional Integrated Liquid Waste and Resource Management (ILWRM) plan adopted in 2010.

The sanitary sewer renewals consist of both contracted and work by City forces, development coordinated works, and related engineering services.

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**1.2 Pump Stations**

The existing and aging Beta and Wiggins sanitary pump stations will be replaced with a larger pump station in order to meet the needs of ongoing growth and development. The new pump station will be architecturally designed to integrate into the surrounding neighbourhood and park.

• Beta Pump Station (2016/17)	(EKB.0005)	\$2,600,000
• Wiggins Pump Station	(EKB.0016)	<u>\$840,000</u>
		\$3,440,000

**1.1 Scada System Upgrade (EKB.0013) \$100,000**

The City has an ongoing program of improvements and upgrades to pump alarm control and data acquisition (SCADA) systems. Improvements to these critical infrastructure systems ensure service reliability and enable staff to gather operational data on system performance, remotely monitor alarms, and respond to system malfunctions in a timely manner.

**1.4 2016 Sanitary Services (EKC.0007) \$750,000**

The City has an annual program for replacement of sanitary services. Existing services are replaced when repairing is not feasible or cost-effective. Funds are also included for replacement or rehabilitation of services to reduce inflow & infiltration, reducing the overall sewer system treatment costs and supporting compliance toward the Integrated Liquid Waste and Resource Management Plan.

**2.0 2017 CAPITAL PROGRAMS**

**2.1 Sanitary Main Renewals (2017Program) (EKA.0015) \$275,000**

In order to proceed with design work for the 2017 Capital Program in a timely manner, funding is being requested in 2016.

**3.0 RECOMMENDATION**

It is recommended that Council approve capital expenditures of \$12.116 Million for infrastructure programs as outlined in this report and authorize staff to fund from the Sanitary Sewer Capital Fund the amount of \$12.682 Million (inclusive of GST) to finance the capital programs as outlined in this report.

  
Leon A. Gods, P. Eng., MBA  
DIRECTOR ENGINEERING

FV:cp

Copied to: Director Finance