

VILLAGE OF THEODORE

Special Meeting of Council
Theodore Community Hall

March 31, 2020

Present: Mayor Kevin Urbanoski
Councillor Barb Hutzul
Councillor Dorothy Oliver
CAO Lyndon Stachoski
Administrative Assistant Patricia Pidlesny
Public Works Foreman Dwayne Tobin
Public Works Assistant Jeffrey MacKay
Virtual Attendee – ECO Engineering General Manager Lotfollah Haji (M. Eng., P. Eng.)

Regrets: Councillor Ross
Councillor Knorr

Note: The meeting was held at the community hall in order to provide sufficient space for the required social distancing as regulated by provincial and federal guidelines during the COVID19 health threat.

With quorum present, Mayor Urbanoski called the meeting to order at 10:00 a.m.

This Special Meeting was called for Council and Staff to attend a comprehensive presentation by Mr. Haji to understand ~~how~~ our current water treatment system, why it can no longer properly treat the source raw water and the proper treatment options available.

A condensed version of the information provided described how the village uses groundwater as its raw water supply from one or both supply wells. This raw water is pumped to the treatment plant where it passes through the aeration tower to help drive off gases. The water then has the iron and manganese removed via green sand filters. The partially treated water is then disinfected using sodium hypochlorite and stored in an underground reservoir which supplies the treated water to the residents.

The groundwater also has elevated concentrations of dissolved solids which the current treatment process is not designed to remove. Moreover, elevated levels of ammonia were recently found in the supply water that the current treatment process cannot remove. The ammonia negatively impacts water disinfection requiring more and more chlorine to reach breaking point. To address these concerns, the Village of Theodore Council contracted the services of ECO Engineering to perform a pre-design study for a proper water treatment that will meet Saskatchewan Drinking Water Quality Guidelines. Today's virtual meeting was to go through the completed pre-design study report.

The recommended water treatment system involves a reverse osmosis unit that will work in conjunction with the current system. It assumes that it is possible to use the current treatment process as a component of the pre-treatment. In effect the additional step in the pre-treatment will ensure that iron, manganese and ammonia are lowered to the point that the partially treated water can be fed into the reverse osmosis unit.

ICIP Grant 2020-073
Application

Urbanoski/Hutzul

That the CAO be authorized to submit an application under the Investing in Canada Infrastructure Program [ICIP] for assistance in funding the Theodore Water Treatment Plant Upgrade; with the understanding that if such funding is approved – the Village of Theodore will arrange financing to fund the portion it is required to contribute under the terms of the agreement with ICIP.

Carried Unanimously

Adjournment

2020-074

Oliver/Urbanoski

That this meeting be adjourned, the time being 11:50 a.m.

Carried Unanimously



Mayor, Kevin Urbanoski



Administrator (CAO), Lyndon Stachoski

A basic cost breakout of the proposed project is annexed hereto.

Note: ICIP is a cost sharing program with a typical funding of 1/3 Federal, 1/3 Provincial and 1/3 Municipal.

Design / Engineering				
	Engineering - 10%	1.00	46,190.00	46,190
Design / Engineering Sub-Total:				\$46,190

Construction / Materials				
	Zeolite/Action Carbon Pre-filtration Package including Media	1	83,500	83,500
	RO Skid with production capacity of 10 m3/h inc. Engineering	1	158,000	158,000
	Clean-in-place (CIP) Package	1	23,800	23,800
	CSA-Approved Electrical Control Panel including HMI	1	29,600	29,600
	Hi-Cube 40 ft Container, inc. Lighting, Wall Insulation, HVAC	1	42,000	42,000
	Remote Monitoring	1	30,000	30,000
Construction / Materials Sub-Total:				\$366,900

Other Eligible Costs				
	Modifications - Piping/Electrical/Mechanical & Bldg Mods.	1.00	60,000.00	60,000
	Frieght, including Mob and Demob	1.00	25,000.00	25,000
	Installation	1.00	10,000.00	10,000
Other Eligible Costs Sub-Total:				\$95,000

Contingency				
	15% Contingency	1.00	76,213.50	76,214
Contingency Sub-Total:				\$76,214
TOTAL ELIGIBLE COSTS :				\$584,304