



Ontario Clean Water Agency
Northeastern Ontario Hub
P.O. Box 513
1 Browning Street
Haileybury, ON P0J 1K0
Tel: 705-672-5549
Fax: 705-672-2534

December 5, 2016

Town of Temagami
P.O. Box 220,
Welcome Centre
Lakeshore Drive
Temagami, ON
P0H 2H0

Attention: Patrick Cormier, C.A.O.

Dear Pat,

As per the current Fixed Price Agreement with the Ontario Clean Water Agency, we are giving notice of possible capital expenditures for 2017. They were arrived at through consultation with operations staff. They require your careful consideration and approval before they will be incurred. OCWA would be pleased to quote on any of this work or the supply of the identified repair or component.

Many of these items are a carryover from previous years and require careful consideration. A proactive approach to repair and renewal in the long run, saves the municipality costs that can be incurred when work has to proceed on an emergency basis.

I would be happy to attend a council meeting and discuss and prioritize the issues identified in this letter.

File Incoming Other
Mayor
Council I A
CAO
Building
Finance S C
Ec Dev S C
Parks & Rec S C
Planning S C
Public Wks S C
PPP
Social Services

The estimated capital expenditures for 2017 are as follows:

Temagami North Water Plants

Proposed Expenditure	Estimated Cost	Rational
The clear wells should be inspected and if required cleaned	\$6000	This should occur on a five year cycle.
A submersible pump is required to supply water pressure and flow to the plant in order for it to operate when the high lift pumps are unavailable	\$4000	If the high lifts are not running or if the plant is isolated from the distribution system water cannot be produced.
Ultrasonic level measurement should be installed on the chemical tanks	\$1750/tank	This will assist in process optimization.
The emergency generator should be load tested.	\$3500	This is prescribed in CSA guidelines.
Chlorination system should be installed at the tower	TBD	The chlorine residuals are quite low in portions of the system and the MOE has shown concern.
The turbidity meters need to be replaced. The current meters are failing. Process pH will be added at the same time	\$10000	The current meters are showing signs of failure. It is cheaper to buy new turbidity meters than to repair the current ones.
The pH adjustment for the distribution water should be relocated and a pH meter installed.	\$3500	This will help improve operation monitoring.
Chemical pump parts	\$2500	There should be an annual budget for Chemical pump parts for repairs and maintenance
The installation of a SCADA system	\$70,000	SCADA should be installed at the water plant for better operation, control and retrieval of information for monitoring and reporting.
Generator Water Treatment/Pump Station	\$500.00	Annual service

Temagami North Sewage Treatment Facilities

Proposed Expenditure	Estimated Cost	Rational
EXP Engineers are working on the Lagoon optimization and will make recommendations.	TBD	Lagoon clean out and upgrade to existing equipment

Generator at Spruce Drive Pump Station	\$400.00	Annual Service
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Temagami South Water Plants

Proposed Expenditure	Estimated Cost	Rational
Replacement of the emergency generator.	\$110000.00	The generator is has reached the end of its life cycle
The plant intake structure should be inspected.	TBD	A failure of the intake structure could be detrimental to the operation of the plant.
Ultrasonic level measurement should be installed on the chemical tanks	\$1750/tank	This will assist in process optimization.
The pH adjusted for the distribution water should be relocated and a pH meter added.	\$2000	This will help improve operation monitoring
Chemical pump parts	\$2500	There should be an annual budget for Chemical pump parts for repairs and maintenance
The installation of a SCADA system	\$70,000	SCADA should be installed at the water plant for better operation, control and retrieval of information for monitoring and reporting.
Generator (Water Treatment Plant)	\$600.00	Annual Service

Temagami South Sewage Treatment Facility

Proposed Expenditure	Estimated Cost	Rational
Sludge needs to be removed from the sewage lagoon.	\$20000	Sludge needs to be removed from the south cell on a yearly basis.

DWQMS and Response Required

In regards to the recently implemented Drinking Water Quality Management System (DWQMS), a written response to this correspondence has become mandatory. Please provide your response to this letter at your earliest convenience, and if any decision is to be deferred to a later date, please advise as to the dates and particulars so that we can maintain the records as required by the province.

I hope that the above supplies you with an accurate estimate of capital requirements for 2017. However, despite best maintenance practices, unexpected equipment failures can occur as your facility ages. A contingency fund for such an event can make it much less painful.

Sincerely,



Victor Legault
Senior Operations Manager
Northeastern Ontario Hub,
Ontario Clean Water Agency