

Town of Lakeshore							
Sanitary Sewers Budget							
For the year ended December 31, 2010							
Acct #		2009 Base	2009 Supplemenatry	2009 Total Budget	2010 Base Budget	2010 Supplementary	2010 Total Budget
	Revenue						
09.41.6153.4101	Frontage and connection	138,000		138,000	138,000		138,000
09.41.6151.4101	Collected on taxes	60,867		60,867	60,867	(4,580)	56,287
09.41.6154.4101	Other	8,725		8,725	8,725		8,725
09.41.6541.4101	Collected on water bills - consumption	2,680,898	(1,000)	2,679,898	2,679,898	64,375	2,744,273
09.41.6542.4101	Collected on water bills - basic charge	1,134,500	43,200	1,177,700	1,177,700	58,503	1,236,203
		4,022,990	42,200	4,065,190	4,065,190	118,298	4,183,488
	Costs						
09.41.1181.4101	Wage allocation	21,500		21,500	21,500	867	22,367
09.41.1311.4201	Supplies	6,000		6,000	6,000		6,000
09.41.1371.4201	Computer	800		800	800		800
09.41.1381.4301	Telephone	8,300	3,500	11,800	11,800		11,800
09.41.1391.4301	Utilities	335,000	25,000	360,000	360,000		360,000
09.41.1413.4301	Property assessments	60,000		60,000	60,000		60,000
09.41.1415.4301	OCWA Lagoons	60,000		60,000	60,000		60,000
09.41.1416.4301	OCWA - operating	1,046,705	36,943	1,083,648	1,083,648	21,673	1,105,321
09.41.1418.4301	Outside of contract	155,000		205,000	205,000	115,000	320,000
09.41.1416.4302	OCWA -S Woodslee operating	123,608	(1,829)	121,779	121,779	2,436	124,215
09.41.1418.4302	OCWA - outside of contract -S Woodslee	85,000	(45,000)	40,000	40,000	25,000	65,000
09.41.1418.4303	OCWA - Patillo road	22,000	(19,000)	3,000	3,000	2,000	5,000
09.41.1418.4304	North Woodslee	85,000	(35,000)	50,000	50,000	10,000	60,000
09.41.1418.4305	Pumping stations operating costs		12,000	12,000	12,000		12,000
09.41.1417.4101	Administration	49,000		49,000	49,000		49,000
09.41.1431.4101	Consulting	50,000		50,000	50,000	230,000	280,000
09.41.1431.4102	Advisory services	12,500	(12,500)	0	-		-
09.41.1431.4202	Inflow and infiltration	100,000	325,000	425,000	350,000	(100,000)	250,000
09.41.1436.4201	Insurance	31,000		31,000	31,000	5,400	36,400
09.41.1445.4201	Flushing	50,000		45,000	45,000		45,000
09.41.1445.0601	Vehicle maintenance		2,500	2,500	2,500		2,500
09.41.1447.4201	Grass cutting	9,000		9,000	9,000		9,000
09.41.1211.4101	Financing sewage treatment plant		117,979	117,979	-	42,000	42,000
09.41.1211.4101	OCWA debt	308,190		308,190	308,190	(99,143)	209,047
09.41.1211.4101	LTD - debentures	363,653	4,530	368,183	368,183	(5,087)	363,097
		3,027,256	414,123	3,441,379	3,248,400	250,146	3,498,546
	Operating surplus (deficit)	995,734	(371,923)	623,811	816,790	(131,848)	684,941
09.41.5998.4101	Transfer from (to) reserves/reserve funds	(1,258,194)	428,923	(829,271)	(1,022,250)	197,944	(824,306)
09.41.5998.4101	Transfer from dc reserve funds	262,460	(57,000)	205,460	205,460	(66,095)	139,365
	Net surplus(deficit) for the year	(0)	0	(0)	(0)	-	(0)
	Surplus/(Deficit) - open	0	0	0	0	0	0
	Surplus/(Deficit) - close	0	0	0	0	0	0

TOWN OF LAKESHORE

**ENGINEERING AND INFRASTRUCTURE SERVICES
ENVIRONMENTAL SERVICES**

TO: Mayor and Members of Council
FROM: Tom Touralias, Waterworks Engineer
DATE: October 28, 2009
SUBJECT: Lakeshore Eastern Communities Sewage Works Class EA

RECOMMENDATIONS:

It is recommended that:

1. - Council allocate \$230,000 to undertake completion of Phases 3 and 4 of the Class Environmental Assessment process and the preparation of an Environmental Study Report related to the Eastern Communities Sewage Works in accordance with the recommendations of the Water and Wastewater Master Plan.

BACKGROUND:

A report was brought to Council in August 2009 recommending continuation of the Class Environmental Assessment (EA) process and preparation of the Environmental Study Report (ESR) for the Lakeshore Eastern Communities Sewage Works. The report was deferred to the 2010 budget deliberations.

COMMENTS:

The Town of Lakeshore adopted its first comprehensive Water and Wastewater Master Plan Study at the regular Council meeting on November 25, 2008. The Master Plan identified capacity problems within the Stoney Point and Comber sewage systems as well as environmental problems in the un-serviced areas of Rochester Place and Lighthouse Cove. The Master Plan outlined the preferred long-term servicing solution to address these problems. The Master Plan was prepared in accordance with Phases 1 and 2 of the Class EA process to implement the preferred solution which involves construction of a new mechanical sewage treatment facility to be located in the Stoney Point area and decommissioning of the existing sewage lagoons which are located in Stoney Point and Comber. The proposed new treatment facility will service the existing service areas of Stoney Point and Comber and will ultimately accommodate the presently un-serviced communities of Lighthouse Cove and the Rochester shoreline. Phases 3 and 4 of the Class EA process for this solution are yet to be completed.

Although administration is aware that Lakeshore is not in a position to move to the construction of a new sewage works for these communities at this time, administration is of the opinion that it would be very beneficial for Lakeshore to continue with the Class EA process for the Lakeshore Eastern Communities Sewage Works.

One of the objectives of the ESR shall be to document staging and phasing alternatives that will permit the recommended sewage works to be implemented incrementally over a period of time. For example, consideration will be given to, as a first stage, the modular construction of a smaller treatment facility to initially address the identified problems within the existing service areas (Comber and Stoney Point) with an allowance to accommodate nominal growth and with the capability for future expansions to accommodate servicing of future growth and the presently un-serviced areas. This approach would significantly reduce the initial capital investment to a level that may be feasible. In addition, the ESR shall present financial information to be used to establish the impact on current and future rates as well as to benefiting property owners. The completion of the Class EA process and the ESR is needed to provide Council with this useful information.

The following supporting rationale for completing the Class EA work is provided for Council's consideration:

- The Town of Lakeshore's Corporate Plan, as adopted by Council, identifies as Priority 1.5 to continue with Phases 3 and 4 of the Class Environmental Assessment process for the Lakeshore Eastern Communities Sewage Works. Commencing the completion of this process in 2010 will ensure this goal is achieved.
- The Ministry of Environment has recently completed inspections of the Stoney Point and Comber sewage treatment facilities. The MOE is requiring the Town to submit an action plan identifying how and when the long-standing hydraulic loading problems at the Comber and Stoney Point lagoon facilities will be addressed. By completing the Class EA and the ESR for these works, the Town of Lakeshore will be able to demonstrate proof that incremental actions are being taken towards implementing the long-term solutions and addressing the identified problems. In the past, proceeding with the next stages of the Class EA planning process has been seen as proactive by the MOE. Alternatively, insufficient action may be perceived by the MOE, as being unresponsive and could result in the issuance of a Provincial Offence Order by the M.O.E. forcing Lakeshore to take action and requiring the construction of a new treatment facility.
- In the event that a significant motor sports and / or industrial initiative were to be proposed again in the Comber area, sewage capacity would not be available to accommodate the development. With the Class EA and ESR completed and "on the shelf", Lakeshore will be in a position to act in a more timely manner should funding opportunities arise.

- In 2008, the Town initiated an application for federal / provincial funding to assist in financing the Stoney Point Sewage works upgrades (which also included the Comber service area as well as the Lighthouse Cove and Rochester shoreline area). The application was subsequently not carried forward based on information from government representatives that the large magnitude of the project was not ideally suited for the relatively small funding pool of the Communities Component of the Building Canada program. By completing the Class EA and ESR as soon as possible, the Town will be in a better position to have a very deserving wastewater infrastructure project "construction ready" (which means EA planning will be completed and ready for final design and construction). This point cannot be stressed enough. Normally, Federal/ Provincial funding has not been provided to projects where EA planning has not been completed.
- Local development pressures in the eastern communities particularly in Lighthouse Cove, Stoney Point and Comber areas have been strongly urging Lakeshore Council and administration for years to proceed with implementing long-term solutions to address deficient sewage capacity issues which have been inhibiting development. By proceeding with the completion of the Class EA and ESR, Lakeshore will be able to demonstrate that the appropriate actions are being taken to achieve the goals of the Master Plan and the development community. Ideally, this will aid in getting local development groups to support (philosophically and financially) the long-term initiatives of the Master Plan.
- Recent legislative changes in the Building Code Act now require local municipal authorities to take on the responsibility of routinely inspecting and enforcing Building Code compliance issues related to individual on-site septic systems. The Lighthouse Cove and Rochester shoreline areas are presently serviced with a significant number of aging private septic systems, many of which were constructed based on criteria that do not meet present guidelines. Considerable Town resources will be needed to meet the legislative inspection requirements as the septic systems continue to age. By proceeding with the completion of the Class EA and ESR, these private on-site septic systems can be decommissioned sooner and replaced with a modern collection and treatment system and thereby reducing inspection requirements.


OTHERS CONSULTED:

The Director of Engineering and Infrastructure Services and the Manager of Environmental Services were consulted and concur with this report.

BUDGET IMPACTS:

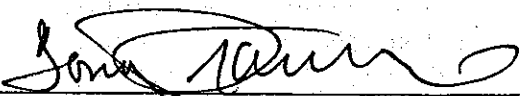
The estimated cost to complete Phases 3 and 4 of the Class EA and preparation of the ESR is \$230,000 and proposed to be applied towards the 2010 Sanitary Sewer Capital Budget.

Prepared by:



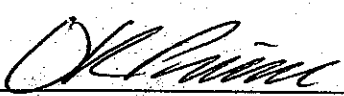
Tom Touralias, P.Eng.
Waterworks Engineer

Reviewed by:



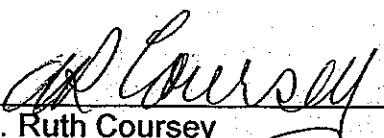
Tony Francisco, C. Tech., C.R.S-S
Manager, Environmental Services

Reviewed by:



Daniel R. Piescic, P. Eng., Director
Engineering and Infrastructure
Services

Submitted by:



A. Ruth Coursey
Chief Administrative Officer

TT/pmr

TOWN OF LAKESHORE

**ENGINEERING AND INFRASTRUCTURE SERVICES
ENVIRONMENTAL SERVICES DIVISION**

TO: Mayor and Members of Council

FROM: Tony Francisco, Manager, Environmental Services Division

DATE: October 27, 2009

SUBJECT: Belle River/Maidstone Sanitary Sewer Collection System
Budget Request

RECOMMENDATIONS:

It is recommended that:

1. Council allocate \$105,000 as a one time expenditure and \$10,000 as a base budget expenditure for the Belle River/Maidstone Sewage Collection System.

BACKGROUND AND COMMENTS:

Administration has identified a number of deficiencies that require repairs in the Belle River/Maidstone Sewage Collection System. These one time items are:

	Equipment Repairs and Replacement	Costs
1.	Comber Pump Station # 2 Miltronics Pump Control Replacement	\$ 3,500
2.	Comber Lagoons Repairs to erosion at discharge chambers	\$ 5,000
3.	Belle River Pump Station # 2 Replace pump # 1	\$ 35,000
4.	Pump Station # 8 Pump repairs	\$ 21,500
5.	Replace spectrophotometer and rebuild Belle River/Maidstone Centrifuges	\$ 40,000
	TOTAL	\$105,000

Replacement bulbs are required for the ultraviolet light disinfection system. In the past these repairs were addressed under emergency repairs. Experience has shown that the replacements of these bulbs are required once a year. Failure to repair this system can severely impact the quality of the effluent and could cause a non-compliance with the effluent quality criteria. Proper function of

this system is a requirement under the Certificate of Approval for the Waste Water Pollution Control Plant operations. The bulb replacements are expected to cost \$10,000 annually. The \$10,000 is an 'add to base' budget amount.

It is imperative that repair of the deficiencies in the above noted table be carried out in 2010 to ensure continued safe operation of the treatment plant and the collection system. These works are recommended to prevent failure of the sewage treatment system.

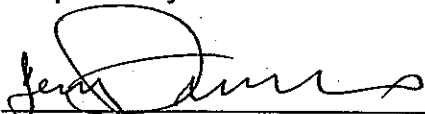
OTHERS CONSULTED:

The Director of Engineering and Infrastructure Services and Director of Finance and Performance Services were consulted and support this recommendation.

BUDGET IMPACTS:

This will result in a one time expenditure of \$105,000 and a \$10,000 add to base adjustment in the 2010 sewer budget.

Prepared By:



Tony Francisco, CRS-S, C.Tech
Manager, Environmental Services

Reviewed By:



Dan Piescic, P. Eng., Director
Engineering and Infrastructure Services

Submitted by:



A. Ruth Coursey
Chief Administrative Officer

TF/sm

Attachment(s): None

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