

**Town of The Blue Mountains  
2012 Budget  
Department Summary**

Revised 01/16/12  
02:21 PM

Operating  
Wastewater System  
Wastewater

	2010		2011		2012 Proposed			Projected		2014	
	Actual	Budget	Actual	Budget	Budget	\$ Chg	% Ch	Budget	% Ch	Budget	% Chg
<b>EXPENSES</b>											
Salaries, Wages & Benefits	444,179	512,093	460,913	525,540	<b>553,930</b>	28,390	5.4%	564,610	1.9%	580,450	2.8%
Administrative Expenses	442,779	5,800	3,812	5,800	<b>5,800</b>	0	0.0%	5,900	1.7%	6,100	3.4%
Operating Expenses	87,292	56,375	64,746	74,500	<b>87,350</b>	12,850	17.2%	89,350	2.3%	91,900	2.9%
Communications	24,907	30,500	23,688	30,283	<b>22,720</b>	-7,563	-25.0%	23,760	4.6%	24,775	4.3%
Training Related	5,505	7,000	5,807	7,000	<b>7,000</b>	0	0.0%	7,260	3.7%	7,530	3.7%
Personnel	9,856	6,650	8,517	7,875	<b>7,750</b>	-125	-1.6%	7,825	1.0%	7,975	1.9%
Utilities	192,185	225,000	216,435	214,100	<b>218,530</b>	4,430	2.1%	223,975	2.5%	230,830	3.1%
Equipment Related	110,733	145,000	200,500	173,925	<b>135,540</b>	-38,385	-22.1%	139,330	2.8%	149,850	7.6%
Vehicle Related	14,248	21,100	17,045	19,273	<b>19,505</b>	232	1.2%	20,625	5.7%	21,675	5.1%
Professional Fees	11,035	25,850	5,614	15,575	<b>68,600</b>	53,025	340.4%	38,600	-43.7%	82,000	112.4%
Financial Expenses	790,191	114,582	765,060	749,267	<b>726,500</b>	-22,767	-3.0%	708,755	-2.4%	690,935	-2.5%
Premises and Site	16,317	17,450	17,210	16,100	<b>15,650</b>	-450	-2.8%	15,950	1.9%	18,325	14.9%
Minor Capital Work	3,218	0	0	0	<b>0</b>	0	0.0%	0	0.0%	0	0.0%
<b>TOTAL EXPENSES</b>	<b><u>2,152,444</u></b>	<b><u>1,167,400</u></b>	<b><u>1,789,347</u></b>	<b><u>1,839,238</u></b>	<b><u>1,868,875</u></b>	<b><u>29,637</u></b>	<b><u>1.6%</u></b>	<b><u>1,845,940</u></b>	<b><u>-1.2%</u></b>	<b><u>1,912,345</u></b>	<b><u>3.6%</u></b>
<b>TRANSFERS</b>											
Transfers to Operating Program	0	35,000	0	50,000	0	-50,000	-100.0%	30,000	0.0%	0	-100.0%
Transfers to Capital	129,807	244,182	76,132	97,680	103,439	5,759	5.9%	67,418	-34.8%	250,868	272.1%
Transfers to Reserves	485,238	326,979	27,963	92,963	0	-92,963	-100.0%	0	0.0%	0	0.0%
Transfer To Reserve Fund	260,000	260,000	485,000	485,000	741,964	256,964	53.0%	859,565	15.8%	794,361	-7.6%
Interfunctional Transfers	347,570	380,219	338,373	397,825	441,720	43,895	11.0%	448,183	1.5%	460,240	2.7%
Transfer To/From Unfinanced Ca	-3,996	0	0	0	0	0	0.0%	0	0.0%	0	0.0%
<b>TOTAL TRANSFERS</b>	<b><u>1,218,618</u></b>	<b><u>1,246,380</u></b>	<b><u>927,468</u></b>	<b><u>1,123,468</u></b>	<b><u>1,287,123</u></b>	<b><u>163,655</u></b>	<b><u>14.6%</u></b>	<b><u>1,405,166</u></b>	<b><u>9.2%</u></b>	<b><u>1,505,469</u></b>	<b><u>7.1%</u></b>
<b>TOTAL TRANSFERS &amp; EX</b>	<b><u>3,371,062</u></b>	<b><u>2,413,780</u></b>	<b><u>2,716,815</u></b>	<b><u>2,962,706</u></b>	<b><u>3,155,998</u></b>	<b><u>193,292</u></b>	<b><u>6.5%</u></b>	<b><u>3,251,106</u></b>	<b><u>3.0%</u></b>	<b><u>3,417,814</u></b>	<b><u>5.1%</u></b>
<b>REVENUE</b>											
User Rate Billings	2,292,087	2,378,780	2,498,543	2,296,857	<b>2,502,548</b>	205,691	9.0%	2,649,306	5.9%	2,802,864	5.8%
Reserve Revenue	1,079,029	35,000	0	665,850	653,450	-12,400	-1.9%	601,800	-7.9%	614,950	2.2%
Sales	0	0	726	0	0	0	0.0%	0	0.0%	0	0.0%
<b>TOTAL REVENUE</b>	<b><u>3,371,116</u></b>	<b><u>2,413,780</u></b>	<b><u>2,499,269</u></b>	<b><u>2,962,707</u></b>	<b><u>3,155,998</u></b>	<b><u>193,291</u></b>	<b><u>6.5%</u></b>	<b><u>3,251,106</u></b>	<b><u>3.0%</u></b>	<b><u>3,417,814</u></b>	<b><u>5.1%</u></b>
<b>NET POSITION</b>	<b><u>54</u></b>	<b><u>0</u></b>	<b><u>-217,546</u></b>	<b><u>1</u></b>	<b><u>0</u></b>	<b><u>-1</u></b>	<b><u>-133.7%</u></b>	<b><u>0</u></b>	<b><u>-110.0%</u></b>	<b><u>0</u></b>	<b><u>866.7%</u></b>

### Sanitary Sewer Model

<b>Project #</b>	1-422-4009	
<b>Department</b>	EPW- Water & Wastewater	
<b>Year of Initiation</b>	2014	
<b>Year of Completion</b>	2015	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	Yes	
<b>Capital</b>	No	

Description
Funding to complete a sanitary sewer model for the Craigeith and Thornbury collection systems. To also provide a full analysis of the existing system including pumping stations and collection piping.

Category	Details
<b>Purpose</b>	This model will allow the Town to determine system capacity and peak flow factors to specify design flows for new development and to ensure downstream infrastructure is adequately sized for new development and reconstruction.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	This model will assist with properly sizing future extensions and identifying sources of infiltration which take up capacity in the wastewater treatment plants.

Budget								
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account
Materials	\$ -							62000
Advertisements	\$ -							62125
Courier	\$ -							63010
Professional Fees	\$ -							63100
Legal	\$ -							63105
Engineering	\$ 125,000		\$ 65,000	\$ 60,000				63115
Consulting	\$ -							63120
Contract Services	\$ -							63125
Contingencies	\$ 25,000			\$ 25,000				63126
Additional Equipment	\$ -							64010
Replacement Equipment	\$ -							64011
Additional Vehicles	\$ -							64020
Replacement Vehicles	\$ -							64021
Interim Financing	\$ -							63210
<b>Expenditures Total:</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ -							54011
	Reserves	\$ -							54032
	Reserve Funds	\$ 150,000		\$ 65,000	\$ 85,000				54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

Costs based on Hydraulic Water Modeling (assignment currently underway) GHD Inc. has been awarded the project.

**Operational Expenditure Impact**

Project management, project team participation, attend meeting, review and approve payment of engineering invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

CCCL & Thornbury Development Charges



### Wastewater Inflow & Infiltration Study & Spot Repairs

<b>Project #</b>	1-421-4008
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2012
<b>Year of Completion</b>	2013
<b>Submitted by</b>	John Caswell
<b>Flexible</b>	No
<b>Capital</b>	No

Description
Wastewater Inflow and Infiltration Study for spot repairs for the Craigeith and Thornbury wastewater collection systems. An inflow and infiltration study will determine the excess water from below ground or surface water entering the wastewater collection systems. This study will undertake flow monitoring and also flushing and video surveillance.

Category	Details
<b>Purpose</b>	To reduce additional flows to sewer systems.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs."
<b>Environmental Impact</b>	Preventing excess water from entering the collection system. Lowers operation costs by reducing the amount of wastewater being treated.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ 90,000	\$ 60,000	\$ 30,000					63120	
Contract Services	\$ -							63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 90,000</b>	<b>\$ 60,000</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 30,000		\$ 30,000					54011
	Reserves	\$ 60,000	\$ 60,000						54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 90,000</b>	<b>\$ 60,000</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

Ainley Group estimate - Ainley file #207056 - \$60,000 an estimate for ongoing maintenance

**Operational Expenditure Impact**

Project management, Review and approve payment of engineering fees, The study will determine locations in collection systems that will require spot repairs. As the system grows, the study will require expanding.

**Potential Cost Savings**

Reduction of extraneous flows

**Funding Sources - Grants / Reserves / etc.**

\$60,000 was levied in 2008 and will be transferred out of reserves in 2012. This project intends to address flows in both systems based on a 50% split.

**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sanitary Sewer  
**PROJECT:** Sanitary Sewer Summary

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
S1 Plants and Studies Summary, Sewer	141,650	20,000	20,000	20,000	20,000	249,000
S2 Pumping Stations, Lift Stations, related	450,000	46,100	0	17,000	0	479,500
S3 Operations and Other Summary, Sewer	15,000	0	0	0	0	0
S4 W & S Service Extensions Summary, Sewer	135,000	678,000	102,350	470,350	7,500	79,500
S5 Growth-Related W & S Improvements Summary	0	1,660,000	0	110,000	2,166,000	0
S6 Infrastructure trunks mains pipes lines, Sewer	0	11,000	21,000	411,650	76,650	0
S7 Other W & S Service Extension Summary	0	0	0	0	0	0
S8 Other Summary, Sewer	0	0	0	0	0	0
S9 Bldgs, Mach, and Equip Summary, Sewer	62,680	48,339	47,418	29,218	49,846	82,618
<b>Total Expenditures</b>	<b>804,330</b>	<b>2,463,439</b>	<b>190,768</b>	<b>1,058,218</b>	<b>2,319,996</b>	<b>890,618</b>
<b>Sources of Financing</b>						
<b>External Sources:</b>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	1,660,000	0	110,000	2,170,167	44,167
Donations, Other Revenue	0	0	0	0	0	0
<b>Revenue Fund:</b>						
from Operations (Th User Fees)	94,439	33,814	16,596	224,536	94,096	90,296
from Operations (Cr User Fees)	68,241	60,625	50,822	43,332	52,400	96,822
Municipal Act, 326, 391	135,000	678,000	102,350	470,350	3,333	35,333
Other Sources, specify	0	0	0	0	0	0
<b>Reserves and Reserve Funds:</b>						
from Capital Res	-22,500	11,000	21,000	210,000	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	450,000	20,000	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	-17,500	0	0	0	0	0
from Development Charges	615,860	0	0	0	0	624,000
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<b>Debenture Financing:</b>						
Debt	-519,210	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	<b>804,330</b>	<b>2,463,439</b>	<b>190,768</b>	<b>1,058,218</b>	<b>2,319,996</b>	<b>890,618</b>
<b>Unfinanced Outlay (Net)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, Plants and Studies  
**PROJECT:** S1 Plants and Studies Summary, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Craigleith STP SCADA	45,000	20,000	20,000	20,000	20,000	20,000
Thornbury STP Phase II Expansion	0	0	0	0	0	229,000
Craigleith STP Phase II Debt	82,250	0	0	0	0	0
Thornbury STP Phase I Debt	14,400	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
<b>Total Expenditures</b>	141,650	20,000	20,000	20,000	20,000	249,000
<b>Sources of Financing</b>						
<i>External Sources:</i>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	0	0	0	0	0
Donations, Other Revenue	0	0	0	0	0	0
<i>Revenue Fund:</i>						
from Operations (Th User Fees)	0	0	0	0	0	0
from Operations (Cr User Fees)	20,000	20,000	20,000	20,000	20,000	20,000
Municipal Act, 326, 391	0	0	0	0	0	0
Other Sources, specify	0	0	0	0	0	0
<i>Reserves and Reserve Funds:</i>						
from Capital Res	25,000	0	0	0	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	0	0	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	0	0	0	0	0	0
from Development Charges	615,860	0	0	0	0	229,000
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<i>Debenture Financing:</i>						
Debt	-519,210	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	141,650	20,000	20,000	20,000	20,000	249,000
<b>Unfinanced Outlay (Net)</b>	0	0	0	0	0	0

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

### Craigleith Wastewater Treatment Plant SCADA

<b>Project #</b>	6-432-4183	
<b>Department</b>	EPW- Water & Wastewater Services	
<b>Year of Initiation</b>	2010	
<b>Year of Completion</b>	2016	
<b>Submitted by</b>	Rob Fleming	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Develop and update Wastewater SCADA (Supervisory Control & Data Acquisition system). SCADA and computer programs are changing and being upgraded yearly or sooner and this budget enables staff to remain as current as possible with new changes to systems. This assists with legislative requirements in regards to trending of flows. 2012 plan includes increasing SCADA to pumps and motor equipment at the Craigleith Plant.

Category	Details
<b>Purpose</b>	To remotely monitor and control various wastewater facilities. The purpose of SCADA is to monitor, control and alarm plant or regional operating systems from a central location.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	The SCADA system will save time and fuel by not having to physically drive to plants or pump stations to determine what is currently happening.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -								62000
Advertisements	\$ -								62125
Courier	\$ -								63010
Professional Fees	\$ -								63100
Legal	\$ -								63105
Engineering	\$ -								63115
Consulting	\$ -								63120
Contract Services	\$ 100,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000			63125
Contingencies	\$ -								63126
Additional Equipment	\$ -								64010
Replacement Equipment	\$ -								64011
Additional Vehicles	\$ -								64020
Replacement Vehicles	\$ -								64021
Interim Financing	\$ -								63210
<b>Expenditures Total:</b>	<b>\$ 100,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 100,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000		54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 100,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
Project Start- 2010	Service Provider							
Project Completion- 2016	Wastewater ORO							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

Cost estimates based on proposal received from ARO Technologies, dated August 14, 2008

**Operational Expenditure Impact**

Project management, review and approve payment of invoices, SCADA is a tool to improve operational effectiveness.

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Carry over of 2010 Ethernet installation budget. SCADA hardware required for ethernet operations.



### Thornbury Wastewater Treatment Plant (Stage II Ph 1A) Expansion

<b>Project #</b>	6-431-4983	<b>Description</b>
<b>Department</b>	EPW - Water & Wastewater Services	Construction of the Thornbury Wastewater Treatment Plant (Stage II) Expansion Phase 1A from approximately 3,580 m <sup>3</sup> /day ADF to 5,330 m <sup>3</sup> /day which is equivalent to approximately 3,950 units. The current phase of this project will add approximately 1,296 new growth units. Town Staff will continue to closely monitor flows to the plant. It is not expected flows will increase significantly over the next few years. This flow monitoring will provide the information required to proceed to finalizing the design and undertaking construction the following year.
<b>Year of Initiation</b>	2016	
<b>Year of Completion</b>	2018	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Category	Details
<b>Purpose</b>	Provide additional wastewater treatment capacity to the Camperdown, Clarksburg, Lora Bay, Thornbury East, and Thornbury West Service Areas. The Design of Phase 1A was completed in 2009. A Certificate of Approval has been received.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	More efficient motors on pumps will have a lowering impact on energy consumption and greenhouse gas production.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -								62000
Advertisements	\$ -								62125
Courier	\$ -								63010
Professional Fees	\$ -								63100
Legal	\$ -								63105
Engineering	\$ 458,000				\$ 229,000	\$ 229,000			63115
Consulting	\$ -								63120
Contract Services	\$ 6,095,700					\$ 6,095,700			63125
Contingencies	\$ 608,400					\$ 608,400			63126
Additional Equipment	\$ -								64010
Replacement Equipment	\$ -								64011
Additional Vehicles	\$ -								64020
Replacement Vehicles	\$ -								64021
Interim Financing	\$ -								63210
<b>Expenditures Total:</b>	<b>\$ 7,162,100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 229,000</b>	<b>\$ 6,933,100</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ -							54011
	Reserves	\$ -							54032
	Reserve Funds	\$ 7,162,100					\$ 229,000	\$ 6,933,100	54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 7,162,100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 229,000</b>	<b>\$ 6,933,100</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Engineering estimated cost is \$7,162,100 from Stantec Agreement.

**Operational Expenditure Impact**

Project management , design submission review, attend construction meetings, review and issue approve payment of engineering fee invoices and construction payment certificates

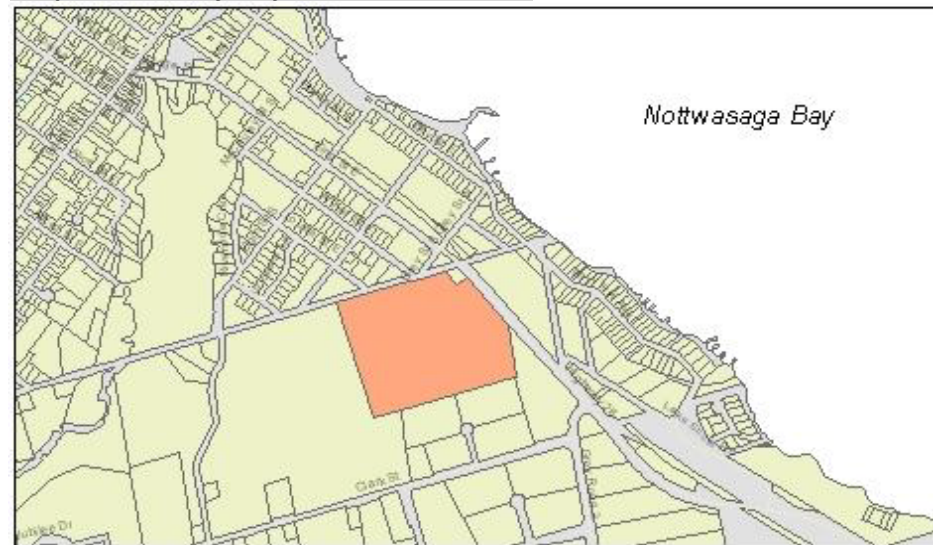
**Potential Cost Savings**

Additional user fees through development and new connections. There will be a threshold amount of financing required prior to tendering for construction.

**Funding Sources - Grants / Reserves / etc.**

Project funded through Development Charges, Future Development Charges, Capital Charges-Thornbury Sewer Capacity Development Charge Fund 4-431-0000-33009

**Map or Picture of Project**





**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, Pump/Lift Stats, rlted FMs, Siphon  
**PROJECT:** S2 Pumping Stations, Lift Stations, related forcemains, Siphon Summary, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Mill Street Pump Rebuild	0	18,100	0	0	0	0
Peel St SLS Pump & Motor Replacement	0	0	0	17,000	0	0
Craigleith SLS - Additional Pump	0	0	0	0	0	395,000
Elgin St SLS Equipment Replacement	0	0	0	0	0	52,500
Moore Crescent SPS Replacement Equipm	0	0	0	0	0	32,000
Craigleith WTP Roof Repairs	450,000	0	0	0	0	0
Craigleith SLS Hatch Replacemnt	0	20,000	0	0	0	0
Thornbury WWTP Safety Railings	0	8,000	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
<b>Total Expenditures</b>	450,000	46,100	0	17,000	0	479,500
<b>Sources of Financing</b>						
<b>External Sources:</b>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	0	0	0	0	0
Donations, Other Revenue	0	0	0	0	0	0
<b>Revenue Fund:</b>						
from Operations (Th User Fees)	0	26,100	0	17,000	0	52,500
from Operations (Cr User Fees)	0	0	0	0	0	32,000
Municipal Act. 326, 391	0	0	0	0	0	0
Other Sources, specify	0	0	0	0	0	0
<b>Reserves and Reserve Funds:</b>						
from Capital Res	17,500	0	0	0	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	450,000	20,000	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	-17,500	0	0	0	0	0
from Development Charges	0	0	0	0	0	395,000
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<b>Debtenture Financing:</b>						
Debt	0	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	450,000	46,100	0	17,000	0	479,500
<b>Unfinanced Outlay (Net)</b>	0	0	0	0	0	0

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

### Mill Street Lift Station Pump Rebuild- Wastewater

<b>Project #</b>	6-431-4931
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2012
<b>Year of Completion</b>	2012
<b>Submitted by</b>	John Caswell
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
To rebuild one of the main sewage pumps at the Mill Street Lift Station in Thornbury to extend the life of the pump.

Category	Details
<b>Purpose</b>	To ensure sufficient capacity for development.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed of in an environmentally sensitive manner

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 18,100	\$ 18,100						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 18,100</b>	<b>\$ 18,100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 18,100	\$ 18,100						54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 18,100</b>	<b>\$ 18,100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
Carried over from 2011 Spring-2012	Project Manager/Supervisor							
As required throughout the year	Construction Supervisor							
	Purchasing Manager							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

Pump rebuild is based on 2009 estimates Staff have requested

**Operational Expenditure Impact**

Project management  
Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Carry over from 2011

**Peel Street SLS - Replacement of Pumps & Vertical Motors**

<b>Project #</b>	6-431/432-1000
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2014
<b>Year of Completion</b>	2014
<b>Submitted by</b>	Rob Fleming
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Replacement of Submersible Pump at Peel Street Lift Station in 2014.

Category	Details
<b>Purpose</b>	Replacement of various Wastewater Pumps and motors that have reached the end of their useful lives
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement pumps will be disposed of in an environmentally sensitive manner

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 17,000			\$ 17,000				63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	17,000		\$ 17,000					54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Craigleith Sewage Pumping Station - Additional Pump

Project #	
Department	EPW - Water & Wastewater Services
Year of Initiation	2016
Year of Completion	2016
Submitted by	Rob Fleming
Flexible	Yes
Capital	Yes

Description
Installation of additional sewage pump at Craigleith Main Sewage Pumping Station due to continued growth. To be planned for installation in 2016 but subject to necessity.

Category	Details
<b>Purpose</b>	To ensure sufficient capacity for development. The design of the station anticipated this additional pump.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	If one of the existing pumps failed, this pump could be put on-line allowing full services to be maintained. This pump would be more efficient than current pumps being utilized and thereby reducing energy consumption.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -								62000
Advertisements	\$ -								62125
Courier	\$ -								63010
Professional Fees	\$ -								63100
Legal	\$ -								63105
Engineering	\$ 20,000				\$ 20,000				63115
Consulting	\$ -								63120
Contract Services	\$ -								63125
Contingencies	\$ -								63126
Additional Equipment	\$ 375,000				\$ 375,000				64010
Replacement Equipment	\$ -								64011
Additional Vehicles	\$ -								64020
Replacement Vehicles	\$ -								64021
Interim Financing	\$ -								63210
<b>Expenditures Total:</b>	<b>\$ 395,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 395,000</b>	<b>\$ -</b>		

		Budget								
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>	
	Federal Grants	\$ -							53005	
	Provincial Grants	\$ -							53010	
	Municipal Act 326 / 391	\$ -							54012	
	Developer Contributions	\$ -							57013	
	Revenue Fund - Taxes	\$ -							54011	
	Revenue Fund - User Fees	\$ -							54011	
	Reserves	\$ -							54032	
	Reserve Funds	\$ 395,000				\$ 395,000			54046	
	Debt	\$ -							58100	
<b>Funding Total:</b>		<b>\$ 395,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 395,000</b>	<b>\$ -</b>		

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Additional Pump is based on Mill Street Pumping Station upgrade and is inflated as per the Finance supplied inflationary costs.

**Operational Expenditure Impact**

Project Management  
Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

To be funded from Craigeith sewer DC fund. 4-432-0000-33001

**Map or Picture of Project**



### Elgin Street Sewage Pumping Station- Replacement Equipment

<b>Project #</b>	6-421-4221
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2016
<b>Year of Completion</b>	2016
<b>Submitted by</b>	Rob Fleming
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Replacement of existing MCC controls, two vertical sewage pumps and the the Power Generator System at the Elgin Street Sewage Pumping Station.

Category	Details
<b>Purpose</b>	Replacement of the Power Generator System that has reached the end of its useful life at Elgin Street Sewage Pumping Stations.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	If one of the existing pumps failed, this pump could be put on-line allowing full services to be maintained. This pump would be more efficient than current pumps being utilized and thereby reducing energy consumption.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 52,500					\$ 52,500		63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 52,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,500</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 52,500					\$ 52,500		54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 52,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,500</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**Moore Crescent Lift Station- Replacement Equipment**

<b>Project #</b>	6-421-4222
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2016
<b>Year of Completion</b>	2016
<b>Submitted by</b>	Rob Fleming
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Replacement of the the Power Generator Systems at the Moore Crescent Lift Station in replacement of existing MCC controls

Category	Details
<b>Purpose</b>	Replacement of the Power Generator Systems that have reached the end of their useful life at the Moore Crescent Lift Station.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed in an environmentally sensitive manner

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 32,000					\$ 32,000		63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 32,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000</b>	<b>\$ -</b>		

		Budget							
<i>Funding</i>		Total	2012	2013	2014	2015	2016	2017	Account
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 32,000					\$ 32,000		54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 32,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000</b>	<b>\$ -</b>	

<i>Timeline - Current Projects</i>	Staff Resources Required							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Replacement of Hatches at the Craigleith Sewage Lift Station

<b>Project #</b>	6-422-1000
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2012
<b>Year of Completion</b>	2012
<b>Submitted by</b>	Rob Fleming
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Replacement of Hatches at the Craigleith Sewage Lift Station

Category	Details
<b>Purpose</b>	Replacement of two hatches at the Craigleith Sewage Lift Station
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement hatches will be disposed of in an environmentally sensitive manner

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 15,000	\$ 15,000						63125	
Contingencies	\$ 5,000	\$ 5,000						63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ -							54011
	Reserves	\$ -							54032
	Reserve Funds	\$ 20,000	\$ 20,000						54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Reserve Funding from Blue Mountains Wastewater Reserve Fund

### Safety Railing at Thornbury Wastewater Treatment Plant

<b>Project #</b>	6-431
<b>Department</b>	EPW - Water & Wastewater Services
<b>Year of Initiation</b>	2012
<b>Year of Completion</b>	2012
<b>Submitted by</b>	Rob Fleming
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Supply and install a safety railing around Clarifier # 2 at the Thornbury WWTP

Category	Details
<b>Purpose</b>	To prevent the possibility of drowning when operators enter the clarifier for required maintenance
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	To further enhance the environmental initiatives of the Town's overall plan

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 8,000	\$ 8,000						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 8,000	\$ 8,000						54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, W & S Service Extensions  
**PROJECT:** S4 W & S Service Extensions Summary, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Hoover/Teskey/Camperdown Road North E	0	0	30,000	470,350	0	0
Wensley Drive Wastewater Extension	0	678,000	0	0	0	0
Hidden Lake, James, Hwy 26, Wards, Arrow	0	0	72,350	0	0	0
Tyrolean Lane Wastewater Reconstruction	0	0	0	0	7,500	79,500
Peaks Road Sanitary Extension	135,000	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
<b>Total Expenditures</b>	135,000	678,000	102,350	470,350	7,500	79,500
<b>Sources of Financing</b>						
<i>External Sources:</i>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	0	0	0	4,167	44,167
Donations, Other Revenue	0	0	0	0	0	0
<i>Revenue Fund:</i>						
from Operations (Th User Fees)	0	0	0	0	0	0
from Operations (Cr User Fees)	0	0	0	0	0	0
Municipal Act, 326, 391	135,000	678,000	102,350	470,350	3,333	35,333
Other Sources, specify	0	0	0	0	0	0
<i>Reserves and Reserve Funds:</i>						
from Capital Res	0	0	0	0	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	0	0	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	0	0	0	0	0	0
from Development Charges	0	0	0	0	0	0
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<i>Debenture Financing:</i>						
Debt	0	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	135,000	678,000	102,350	470,350	7,500	79,500
<b>Unfinanced Outlay (Net)</b>	0	0	0	0	0	0

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

### Hoover Lane/Teskey Drive/Camperdown Road North Wastewater Service Extension

<b>Project #</b>	
<b>Department</b>	EPW- Water & Wastewater Services
<b>Year of Initiation</b>	2013
<b>Year of Completion</b>	2014
<b>Submitted by</b>	John Caswell
<b>Flexible</b>	No
<b>Capital</b>	Yes

Description
Installation of Low Pressure Forcemain and sewer laterals on Hoover Lane, Teskey Drive & Camperdown Road North (road sections 344, 346, 348, total of 1,000m.) Estimate of approx. \$8,400/unit for construction, plus plant charge \$5,100, plus Camperdown local charge of \$6,546 for a total of \$20,046. There will also be a requirement for the local residents to install grinder pumps. There will be a public consultation process commenced in mid 2012 to gauge the residents desire for the project.

Category	Details
<b>Purpose</b>	To provide wastewater servicing to Hoover Lane, Teskey Drive/ Camperdown Road N (50 existing, 6 potential development units).
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Will eliminate older existing septic systems located adjacent to Georgian Bay. Upon connection to the municipal services, the septic tank would be decommissioned.

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 60,000		\$ 30,000	\$ 30,000				63115	
Consulting	\$ -							63120	
Contract Services	\$ 400,350			\$ 400,350				63125	
Contingencies	\$ 40,000			\$ 40,000				63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 500,350</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 470,350</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ 500,350	\$ 30,000	\$ 470,350					54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ -							54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 500,350</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 470,350</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>						

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Based on 2010 Benchmark costs plus inflationary factors

**Operational Expenditure Impact**

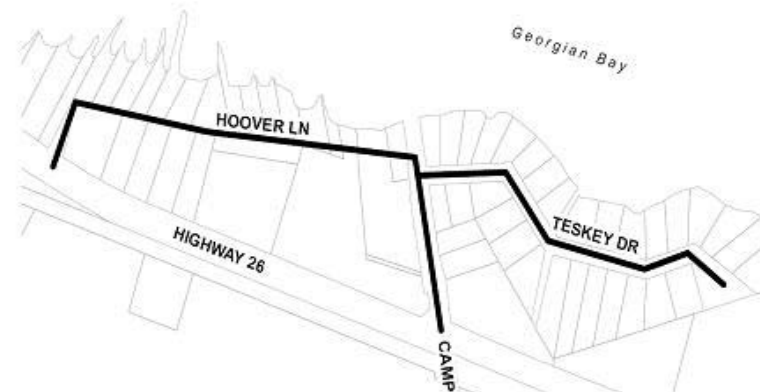
Project management, Project team participation, design submission review, attend construction meetings, review and approve payment of engineering fee invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Large portion will be held as debt by the Town for local residents and must be considered in debt calculating.

**Map or Picture of Project**



### Wensley Drive - Wastewater

<b>Project #</b>	6-421-0362	
<b>Department</b>	Engineering & Public Works	
<b>Year of Initiation</b>	2011	
<b>Year of Completion</b>	2014	
<b>Submitted by</b>	Tom Gray	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
For a complete description of this project, please see the Joint Projects Tab in the Engineering & Public Works Budget Binder.

Category	Details
Purpose	
Strategic Plan	
Environmental Impact	

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 66,000	\$ 66,000						63115	
Consulting	\$ -							63120	
Contract Services	\$ 612,000	\$ 612,000						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 678,000</b>	<b>\$ 678,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ 678,000	\$ 678,000						54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ -							54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 678,000</b>	<b>\$ 678,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**Map or Picture of Project**

**Hidden Lake, James Street, Highway 26, Wards Road & Arrowhead Road EA - Wastewater**

<b>Project #</b>	
<b>Department</b>	EPW - Joint Project
<b>Year of Initiation</b>	2013
<b>Year of Completion</b>	2013
<b>Submitted by</b>	Tom Gray
<b>Flexible</b>	Yes
<b>Capital</b>	Yes

Description
For a complete description of this project, please see the Joint Projects Tab in the Engineering & Public Works Budget Binder.

Category	Details
<b>Purpose</b>	sewer costs estimated at half existing / half development
<b>Strategic Plan</b>	
<b>Environmental Impact</b>	

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ 72,350	\$ -	\$ 72,350					63120	
Contract Services	\$ -							63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 72,350</b>	<b>\$ -</b>	<b>\$ 72,350</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	72,350	\$ 72,350						54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	-							54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>72,350</b>	<b>\$ -</b>	<b>\$ 72,350</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>						

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**Map or Picture of Project**

**Tyrolean Lane Reconstruction- Wastewater**

<b>Project #</b>	
<b>Department</b>	Engineering and Public Works
<b>Year of Initiation</b>	2015
<b>Year of Completion</b>	2016
<b>Submitted by</b>	Tom Gray
<b>Flexible</b>	Yes
<b>Capital</b>	Yes

Description
For a complete description of this project, please see the Joint Projects Tab in the Engineering & Public Works Budget Binder.

Category	Details
<b>Purpose</b>	
<b>Strategic Plan</b>	
<b>Environmental Impact</b>	

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 15,000			\$ 7,500	\$ 7,500			63115	
Consulting	\$ -							63120	
Contract Services	\$ 72,000				\$ 72,000			63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 87,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,500</b>	<b>\$ 79,500</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	38,667				\$3,333	\$35,333		54012
Developer Contributions	\$	48,333				\$4,167	\$44,167		57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	-							54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>87,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,500</b>	<b>\$ 79,500</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>						

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**Map or Picture of Project**

**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, Growth-Related W&S Imps  
**PROJECT:** S5 Growth-Related W & S Improvements Summary, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Osler Bluff Trunk Sewer	0	0	0	110,000	2,166,000	0
GR21 Trunk Sewer Phase 1	0	1,660,000	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
<b>Total Expenditures</b>	0	1,660,000	0	110,000	2,166,000	0
<b>Sources of Financing</b>						
<b>External Sources:</b>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	1,660,000	0	110,000	2,166,000	0
Donations, Other Revenue	0	0	0	0	0	0
<b>Revenue Fund:</b>						
from Operations (Th User Fees)	0	0	0	0	0	0
from Operations (Cr User Fees)	0	0	0	0	0	0
Municipal Act, 326, 391	0	0	0	0	0	0
Other Sources, specify	0	0	0	0	0	0
<b>Reserves and Reserve Funds:</b>						
from Capital Res	0	0	0	0	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	0	0	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	0	0	0	0	0	0
from Development Charges	0	0	0	0	0	0
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<b>Debenture Financing:</b>						
Debt	0	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	0	1,660,000	0	110,000	2,166,000	0
<b>Unfinanced Outlay (Net)</b>	0	0	0	0	0	0

**EXPLANATION & HIGHLIGHTS:**

\* Project will not proceed to RfP or tender until cost sharing agreement and funding are in place

General Ledger Account(s):  
General Ledger Account(s):

**Osler Bluff Road Trunk Sewer-Phase 1**

<b>Project #</b>	
<b>Department</b>	EPW-Water & Wastewater Services
<b>Year of Initiation</b>	2014
<b>Year of Completion</b>	2015
<b>Submitted by</b>	Reg Russwurm
<b>Flexible</b>	Yes
<b>Capital</b>	Yes

Description
A trunk sanitary sewer is required along Osler Bluff Road to support development. The first phase of the project is from GR 19 to the existing sanitary system on HWY 26. The construction timing is development dependent, and must be front ended by Developer.

Category	Details
<b>Purpose</b>	The design and construction of Phase I on Osler Bluff Road from the existing sanitary sewer system on Hwy 26 to GR 19. Services Development lands adjacent to Osler Bluff and Castle Glen.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Construction practices will be done to minimize environmental impact (noise, dust, natural environment). However, greenhouse gases will be produced as part of construction activities.

Budget								
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account
Materials	\$ -							62000
Advertisements	\$ -							62125
Courier	\$ -							63010
Professional Fees	\$ -							63100
Legal	\$ -							63105
Engineering	\$ 210,000		\$ 110,000	\$ 100,000				63115
Consulting	\$ -							63120
Contract Services	\$ 1,879,000				\$ 1,879,000			63125
Contingencies	\$ 187,000				\$ 187,000			63126
Additional Equipment	\$ -							64010
Replacement Equipment	\$ -							64011
Additional Vehicles	\$ -							64020
Replacement Vehicles	\$ -							64021
Interim Financing	\$ -							63210
<b>Expenditures Total:</b>	<b>\$ 2,276,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ 2,166,000</b>	<b>\$ -</b>	<b>\$ -</b>	

		Budget							
Funding	Total	2012	2013	2014	2015	2016	2017	Account	
Federal Grants	\$ -							53005	
Provincial Grants	\$ -							53010	
Municipal Act 326 / 391	\$ -							54012	
Developer Contributions	\$ 2,276,000		\$ 110,000	\$ 2,166,000				57013	
Revenue Fund - Taxes	\$ -							54011	
Revenue Fund - User Fees	\$ -							54011	
Reserves	\$ -							54032	
Reserve Funds	\$ -							54046	
Debt	\$ -							58100	
<b>Funding Total:</b>	<b>\$ 2,276,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ 2,166,000</b>	<b>\$ -</b>	<b>\$ -</b>		

Timeline - Current Projects	Staff Resources Required

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Costing from 2009 Draft Development Charges Background Study plus inflationary factors

**Operational Expenditure Impact**

Project management, project team participation, report review, attend construction meetings, review and approve payment of engineering fees and construction payment certificates.

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Development Charges

**Map or Picture of Project**



### Grey Road 21 Trunk Sewer-Phase 1

<b>Project #</b>	6-422-4321	
<b>Department</b>	EPW-Water & Wastewater Services	
<b>Year of Initiation</b>	2012	
<b>Year of Completion</b>	2012	
<b>Submitted by</b>	Reg Russwurm	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
A trunk sanitary sewer is required along Grey Road 21 to support development. The first phase of the project is from GR 19 to the existing sanitary system on HWY 26. The construction timing is being driven through the Georgian Gate (Windfall) development and will be front ended by the developer. Total works include 2.6km of sanitary gravity pipe. 525mm pipe from Hwy 26 to Monterra Road and 450mm pipe from Monterra to 300m south of CR 19. <i>The current budget does not include costs for additional servicing laterals to existing TBM or Collingwood residents.</i>

Category	Details
<b>Purpose</b>	The design and construction of Phase I on GR21 from the existing sanitary sewer system on Hwy 26 to GR 19. Services Development lands adjacent to GR 21, Osler Bluff and Castle Glen. Also allows for future servicing of Prices Subdivision.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Construction practices will be done to minimize environmental impact (noise, dust, natural environment). However, greenhouse gases will be produced as part of construction activities.

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 110,000	\$ 110,000						63115	
Consulting	\$ -							63120	
Contract Services	\$ 1,550,000	\$ 1,550,000						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 1,660,000</b>	<b>\$ 1,660,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
Funding	Total	2012	2013	2014	2015	2016	2017	Account	
Federal Grants	\$ -							53005	
Provincial Grants	\$ -							53010	
Municipal Act 326 / 391	\$ -							54012	
Developer Contributions	\$ 1,660,000	\$ 1,660,000						57013	
Revenue Fund - Taxes	\$ -							54011	
Revenue Fund - User Fees	\$ -							54011	
Reserves	\$ -							54032	
Reserve Funds	\$ -							54046	
Debt	\$ -							58100	
<b>Funding Total:</b>	<b>\$ 1,660,000</b>	<b>\$ 1,660,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	

Timeline - Current Projects	Staff Resources Required

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Costing from 2011 CC Tatham Preliminary engineering assessment. \$500/m for 2600m of pipe plus \$250k for additional rock excavation and/or dewatering

**Operational Expenditure Impact**

Project management, project team participation, report review, attend construction meetings, review and approve payment of engineering fees and construction payment certificates.

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

Funded by Georgian Gate Development through front-ending agreement.

**Map or Picture of Project**



**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, Infra trunks mains pipes lines  
**PROJECT:** S6 Infrastructure trunks mains pipes lines, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Elma Street Sanitary Sewer Replacement	0	11,000	21,000	407,000	0	0
Mill Street Replacement	0	0	0	4,650	76,650	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
<b>Total Expenditures</b>	0	11,000	21,000	411,650	76,650	0
<b>Sources of Financing</b>						
<i>External Sources:</i>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	0	0	0	0	0
Donations, Other Revenue	0	0	0	0	0	0
<i>Revenue Fund:</i>						
from Operations (Th User Fees)	65,000	0	0	201,650	76,650	0
from Operations (Cr User Fees)	0	0	0	0	0	0
Municipal Act, 326, 391	0	0	0	0	0	0
Other Sources, specify	0	0	0	0	0	0
<i>Reserves and Reserve Funds:</i>						
from Capital Res	-65,000	11,000	21,000	210,000	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	0	0	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	0	0	0	0	0	0
from Development Charges	0	0	0	0	0	0
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<i>Debenture Financing:</i>						
Debt	0	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	0	11,000	21,000	411,650	76,650	0
<b>Unfinanced Outlay (Net)</b>	0	0	0	0	0	0

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

**Elma Street Reconstruction - Wastewater**

<b>Project #</b>	6-421-0786
<b>Department</b>	EPW- Water & Wastewater Division
<b>Year of Initiation</b>	2012
<b>Year of Completion</b>	2014
<b>Submitted by</b>	Tom Gray
<b>Flexible</b>	no
<b>Capital</b>	Yes

Description
For a complete description of this project, please see the Joint Projects Tab in the Engineering & Public Works Budget Binder.

Category	Details
<b>Purpose</b>	
<b>Strategic Plan</b>	
<b>Environmental Impact</b>	

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 53,000	\$ 11,000	\$ 21,000	\$ 21,000				63115	
Consulting	\$ -							63120	
Contract Services	\$ 386,000			\$ 386,000				63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 439,000</b>	<b>\$ 11,000</b>	<b>\$ 21,000</b>	<b>\$ 407,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	197,000			\$ 197,000				54011
Reserves	\$	242,000	\$ 11,000	\$ 21,000	\$ 210,000				54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>439,000</b>	<b>\$ 11,000</b>	<b>\$ 21,000</b>	<b>\$ 407,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>						

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

carryover of \$177,000 from 2009, 2010

**Map or Picture of Project**

**Mill Street Reconstruction - Wastewater**

<b>Project #</b>	6-421-0724	
<b>Department</b>	EPW - Joint Project	
<b>Year of Initiation</b>	2014	
<b>Year of Completion</b>	2015	
<b>Submitted by</b>	Tom Gray	
<b>Flexible</b>	Yes	
<b>Capital</b>	Yes	

Description
For a complete description of this project, please see the Joint Projects Tab in the Engineering & Public Works Budget Binder.

Category	Details
<b>Purpose</b>	
<b>Strategic Plan</b>	
<b>Environmental Impact</b>	

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 9,300		\$ 4,650	\$ 4,650				63115	
Consulting	\$ -							63120	
Contract Services	\$ 72,000			\$ 72,000				63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 81,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,650</b>	<b>\$ 76,650</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	81,300		\$ 4,650	\$ 76,650				54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>81,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,650</b>	<b>\$ 76,650</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>						

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

**Map or Picture of Project**

**TOWN OF THE BLUE MOUNTAINS  
LONG TERM FINANCIAL PLAN  
CAPITAL PROJECT INFORMATION SHEET**

**SECTION:** Environment Services  
**DEPT:** ENGINEERING AND PUBLIC WORKS  
**SUB-DEPT:** Sewer, Bldgs, Mach, and Equip  
**PROJECT:** S9 Bldgs, Mach, and Equip Summary, Sewer

**PURPOSE:**

**PERFORMANCE & ACTIVITY MEASURES**  
INCREASE (DECREASE)

**PROJECT FINANCIAL DETAILS**

	2011	2012	2013	2014	2015	2016
<b>Expenditures</b>						
Craigleith SLS Siding Replacement	0	0	0	0	0	40,000
Thornbury WWTP HVAC System Replacem	0	0	0	0	0	10,200
Thornbury WWTP Clarifier Drive Replacem	0	0	0	0	0	25,000
Craigleith WWTP Biosolid Mixer Replacem	0	0	0	12,400	0	0
Craigleith WWTP OH Door & Energy Retro	0	26,300	0	0	0	0
Replacement Office/Lab Equipment	0	11,300	0	4,400	0	0
Share of Admin Building Expense	17,640	0	0	0	0	0
Vehicles, Replacement	30,000	0	35,000	0	35,000	0
Computer Equipment	10,040	10,739	7,418	7,418	8,846	7,418
Furniture and Equipment	5,000	0	5,000	5,000	6,000	0
<b>Total Expenditures</b>	<b>62,680</b>	<b>48,339</b>	<b>47,418</b>	<b>29,218</b>	<b>49,846</b>	<b>82,618</b>
<b>Sources of Financing</b>						
<b>External Sources:</b>						
Grants, Subsidies	0	0	0	0	0	0
Developer Contributions	0	0	0	0	0	0
Donations, Other Revenue	0	0	0	0	0	0
<b>Revenue Fund:</b>						
from Operations (Th User Fees)	21,939	7,714	16,596	5,886	17,446	37,796
from Operations (Cr User Fees)	40,741	40,625	30,822	23,332	32,400	44,822
Municipal Act. 326, 391	0	0	0	0	0	0
Other Sources, specify	0	0	0	0	0	0
<b>Reserves and Reserve Funds:</b>						
from Capital Res	0	0	0	0	0	0
from Equipment Repl Res	0	0	0	0	0	0
from Sewer Res	0	0	0	0	0	0
from Water Res	0	0	0	0	0	0
from Other Res	0	0	0	0	0	0
from Development Charges	0	0	0	0	0	0
from Parkland Res Fund	0	0	0	0	0	0
from Other Res Fund	0	0	0	0	0	0
<b>Debtenture Financing:</b>						
Debt	0	0	0	0	0	0
Capital Lease	0	0	0	0	0	0
<b>Total Financing</b>	<b>62,680</b>	<b>48,339</b>	<b>47,418</b>	<b>29,218</b>	<b>49,846</b>	<b>82,618</b>
<b>Unfinanced Outlay (Net)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**EXPLANATION & HIGHLIGHTS:**

General Ledger Account(s):  
General Ledger Account(s):

### Replacement of Siding at the Craigleith Wastewater Lift Station

<b>Project #</b>	6-421/422-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2016	
<b>Year of Completion</b>	2016	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replace current siding at the Craigleith Wastewater Lift Station as eixsiting siding is over 25 years old and is rotting in some areas.

Category	Details
<b>Purpose</b>	To replace the existing siding at the Craigleith Wastewater Lift Station
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	The old siding will be disposed of at the Thornbury Landfill Site

		Budget							
<i>Expenditures</i>	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 40,000					\$ 40,000		63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 40,000					\$ 40,000		54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Replacement of HVAC System

<b>Project #</b>	6-431-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2016	
<b>Year of Completion</b>	2016	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replacement of an HVAC System at the Thornbury Wastewater Treatment Plant in conjunction with the Plant upgrades.

Category	Details
<b>Purpose</b>	To replace an existing HVAC system that has reached the end of its useful life.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed in an environmentally sensitive manner

Budget									
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 10,200					\$ 10,200		63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 10,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,200</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 10,200					\$ 10,200		54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 10,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,200</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>								
	Project Manager/Supervisor								
As required throughout the year									

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Replacement of Clarifier Drives

<b>Project #</b>	6-431/432-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2016	
<b>Year of Completion</b>	2017	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replacement of Clarifier Drives (92159-1 & 92160-1) at the Thornbury Wastewater Treatment Plant that were purchased in 1992.

Category	Details
<b>Purpose</b>	Replacement of existing Clarifier Drive (92159-1 & 92160-1) that have reached their useful lives
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed in an environmentally sensitive manner

		Budget							
<i>Expenditures</i>	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ 25,000					\$25,000		63115	
Consulting	\$ -							63120	
Contract Services	\$ 246,000						\$ 246,000	63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 271,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 246,000</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 271,000					\$ 25,000	\$ 246,000	54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 271,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 246,000</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Replacement of Biosolid Mixers

<b>Project #</b>	6-432-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2014	
<b>Year of Completion</b>	2014	
<b>Submitted by</b>	Rob Fleming	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replacement of Biosolid Mixers models 9030060 & 9030061 at the Craighleith Wastewater Treatment Plant that were purchased in 1990.

Category	Details
<b>Purpose</b>	Replacement of Biosolid Mixers models 9030060 & 9030061 that have reached the end of their useful lives
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement biosolid mixers will be disposed in an environmentally sensitive manner

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 12,400			\$ 12,400				63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 12,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	12,400		\$ 12,400					54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>12,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Replacement of Overhead Doors

<b>Project #</b>	6-431-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2012	
<b>Year of Completion</b>	2012	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replace Overhead Doors at the Craigleith Wastewater Treatment Plant in 2012.

Category	Details
<b>Purpose</b>	To replace existing doors and windows that have reached the end of their useful lives
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed in an environmentally sensitive manner

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 11,300	\$ 11,300						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 11,300</b>	<b>\$ 11,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 11,300	\$ 11,300						54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 11,300</b>	<b>\$ 11,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>								
	Project Manager/Supervisor								
As required throughout the year									

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Wastewater Treatment Plant Retrofit

<b>Project #</b>	6-432-1000	
<b>Department</b>	EPW	
<b>Year of Initiation</b>	2012	
<b>Year of Completion</b>	2012	
<b>Submitted by</b>	Adam McMullin	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
The Craigleith WWTP is the largest electricity consumer of all Town buildings. Staff propose installing a variable speed drive to the blower that feeds oxygen into the aeration tank to maintain an optimum dissolved oxygen level. The variable speed drive allows the blower to slow-start when required, reducing the energy required to initiate the blower and the variable speed allows the equipment to operate at optimum efficiency. This retrofit is to act as a pilot to assess the life-cycle impact on the blowers and the potential to retool other equipment in the future.

Category	Details
<b>Purpose</b>	To reduce energy consumption within the wastewater treatment plant.
<b>Strategic Plan</b>	Improving energy efficiency addresses Strategic Action 3 'Preserving and enhancing natural and environmental features, and cultural heritage of the community
<b>Environmental Impact</b>	Reducing energy consumption has a corresponding reduction in greenhouse gas emissions associated with electricity production.

Budget										
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account		
Materials	\$ 15,000	\$ 15,000								62000
Advertisements	\$ -									62125
Courier	\$ -									63010
Professional Fees	\$ -									63100
Legal	\$ -									63105
Engineering	\$ -									63115
Consulting	\$ -									63120
Contract Services	\$ -									63125
Contingencies	\$ -									63126
Additional Equipment	\$ -									64010
Replacement Equipment	\$ -									64011
Additional Vehicles	\$ -									64020
Replacement Vehicles	\$ -									64021
Interim Financing	\$ -									63210
<b>Expenditures Total:</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	15,000	\$ 15,000						54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>15,000</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**  
 Variable Frequency Drive \$14,000, Power data logger, \$1,000

**Operational Expenditure Impact**  
 Staff installation time, minimal one-time operational cost impact. The variable speed drive will make an electric fluctuating valve redundant, resulting in potential operational equipment savings.

**Potential Cost Savings**  
 The current blower consumes an estimated 42,000 kWh annually, at a cost of \$4,620 (\$0.11 / kWh energy cost of WWTP in 2010) . The variable frequency drives improve energy efficiency of 30%, or \$1,400 annually for a simple payback of 10.7 years.

**Funding Sources - Grants / Reserves / etc.**  
 User rates.

**Map or Picture of Project**



### Replacement of Lab Equipment at Thornbury Wastewater Treatment Plant

<b>Project #</b>	6-431-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2012	
<b>Year of Completion</b>	2012	
<b>Submitted by</b>	Rob Fleming	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replacement of Lab Equipment at the Thornbury Wastewater Treatment Plant (F1151201060178)

Category	Details
<b>Purpose</b>	Replacement of existing Lab Equipment that have reached the end of their useful lives
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Replacement equipment will be disposed in an environmentally sensitive manner

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 11,300	\$ 11,300						63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 11,300</b>	<b>\$ 11,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
	Federal Grants	\$ -							53005
	Provincial Grants	\$ -							53010
	Municipal Act 326 / 391	\$ -							54012
	Developer Contributions	\$ -							57013
	Revenue Fund - Taxes	\$ -							54011
	Revenue Fund - User Fees	\$ 11,300	\$ 11,300						54011
	Reserves	\$ -							54032
	Reserve Funds	\$ -							54046
	Debt	\$ -							58100
<b>Funding Total:</b>		<b>\$ 11,300</b>	<b>\$ 11,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Vehicles, Replacement - Wastewater

<b>Project #</b>	6-431/432-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2013	
<b>Year of Completion</b>	2015	
<b>Submitted by</b>	John Caswell	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replace current older vehicles where repair costs are escalating and reliability is decreasing. Replacing a 2003 GMC 4X4 in 2013 and a 2005 Ford F250 4X4 in 2015. Staff will look at late model used and buy new if necessary.

Category	Details
<b>Purpose</b>	To replace vehicles as they reach the end of their useful lives.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	The Town will consider the size and type of vehicles purchased, as well as consider hybrid fuel vehicles which will reduce the Town's carbon footprint.

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ -							63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ 70,000		\$ 35,000		\$ 35,000			64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<i>Funding</i>	Total	2012	2013	2014	2015	2016	2017	Account	
Federal Grants	\$ -							53005	
Provincial Grants	\$ -							53010	
Municipal Act 326 / 391	\$ -							54012	
Developer Contributions	\$ -							57013	
Revenue Fund - Taxes	\$ -							54011	
Revenue Fund - User Fees	\$ 70,000	\$ 35,000		\$ 35,000				54011	
Reserves	\$ -							54032	
Reserve Funds	\$ -							54046	
Debt	\$ -							58100	
<b>Funding Total:</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>		

<u>Timeline - Current Projects</u>	Staff Resources Required							
March/April 2011	Project Manager/Supervisor -							
	Purchasing Manager - Sherri A							

**Notes to Expenditure & Funding Tables**

**Project Costing Driver**

Contract No. TBM-2007-18 plus Finance inflationary factors

**Operational Expenditure Impact**

Project management  
Review specification document  
Review and approve payment of invoice

**Potential Cost Savings**

Reduced repairs and maintenance; increased reliability

**Funding Sources - Grants / Reserves / etc.**

Proceeds of Dispositions and Trade-ins , CCCL – 65%  
Thornbury – 35%

### Replacement of Photocopier

<b>Project #</b>	6-431/432-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2014	
<b>Year of Completion</b>	2014	
<b>Submitted by</b>	Rob Fleming	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replacment of the Toshiba 255 Photocopier at the Craigeith Wastewater Treatment Plant.

Category	Details
<b>Purpose</b>	Replacement of the existing Photocopier that has reached the end of their useful life
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ 4,400			\$ 4,400				63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ -							64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 4,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	4,400			\$ 4,400				54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>4,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**

### Furniture & Equipment - Wastewater

<b>Project #</b>	6-431/432-1000	
<b>Department</b>	EPW - Water & Wastewater Services	
<b>Year of Initiation</b>	2011	
<b>Year of Completion</b>	2015	
<b>Submitted by</b>	Rob Fleming	
<b>Flexible</b>	No	
<b>Capital</b>	Yes	

Description
Replace current older office equipment where repair costs are escalating and reliability is decreasing. The department is looking to purchase some chairs, desk and new fire proof filing cabinets.

Category	Details
<b>Purpose</b>	To replace furniture and equipment as they reach the end of their useful lives.
<b>Strategic Plan</b>	Goal #2 "Addressing the Town's municipal infrastructure needs".
<b>Environmental Impact</b>	Furniture and equipment will be disposed of at the landfill

		Budget							
Expenditures	Total	2012	2013	2014	2015	2016	2017	Account	
Materials	\$ -							62000	
Advertisements	\$ -							62125	
Courier	\$ -							63010	
Professional Fees	\$ -							63100	
Legal	\$ -							63105	
Engineering	\$ -							63115	
Consulting	\$ -							63120	
Contract Services	\$ -							63125	
Contingencies	\$ -							63126	
Additional Equipment	\$ -							64010	
Replacement Equipment	\$ 16,000		\$ 5,000	\$ 5,000	\$ 6,000			64011	
Additional Vehicles	\$ -							64020	
Replacement Vehicles	\$ -							64021	
Interim Financing	\$ -							63210	
<b>Expenditures Total:</b>	<b>\$ 16,000</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 6,000</b>	<b>\$ -</b>	<b>\$ -</b>		

		Budget							
<b>Funding</b>		<b>Total</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Account</b>
Federal Grants	\$	-							53005
Provincial Grants	\$	-							53010
Municipal Act 326 / 391	\$	-							54012
Developer Contributions	\$	-							57013
Revenue Fund - Taxes	\$	-							54011
Revenue Fund - User Fees	\$	16,000	\$ 5,000	\$ 5,000	\$ 6,000				54011
Reserves	\$	-							54032
Reserve Funds	\$	-							54046
Debt	\$	-							58100
<b>Funding Total:</b>	<b>\$</b>	<b>16,000</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 6,000</b>	<b>\$ -</b>	<b>\$ -</b>	

<b>Timeline - Current Projects</b>	<b>Staff Resources Required</b>							
	Project Manager/Supervisor							
As required throughout the year								

**Notes to Expenditure & Funding Tables**

**Map or Picture of Project**

**Project Costing Driver**

**Operational Expenditure Impact**

Project management  
 Review and approve payment of invoices

**Potential Cost Savings**

**Funding Sources - Grants / Reserves / etc.**