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**MUNICIPALITY OF TRENT HILLS**  
**DRINKING WATER AND WASTEWATER**  
**SYSTEM FINANCIAL PLAN**

**O. Reg. 453/07**

**2012**



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## **1.0 Background and Requirements under Ontario Regulation 453/07**

In May 2000, following the contaminated water tragedy in Walkerton, a report was completed on the inquiry that followed the incident. The result of this report, which set out strategies for preventing such an incident in the future recommended that all owners of municipal water systems obtain a licence for the operation of their drinking water system. The report indicated that proper financial planning is necessary in order to ensure that drinking water systems become self financing and sustainable.

In 2007, the Ministry of Environment released Regulation 453/07 that requires the preparation of a Financial Plan for all municipal drinking water systems. This regulation is more precisely defined as the Financial Plans Regulation under the Safe Drinking Water Act (SDWA). The regulation requires holders of a Drinking Water Licence under the SDWA to develop and implement a comprehensive Financial Plan that addresses long-term capital and operating costs for the municipal drinking water system over a minimum of six years. This plan is required to be filed six months after the date of the first licence for the system is issued. The Municipality of Trent Hills received its first Licence for its three water systems on August 2, 2011.

This report is a review of the Municipality of Trent Hills current financial status of the three water and three wastewater systems in the Municipality. While the regulation requires that only the financial systems for the drinking water are required, the wastewater financial plan is an integrated part of these plans and it is encouraged to include wastewater in the plans.

This financial plan contains a forecast based on current and projected information, based on the current rate structure. Council has approved this rate structure to 2013, but a pending review of the composition of the rates will be completed before the end of that year. Projections for the plan are based on the operations for the past three years and capital requirements that have been noted. This is a living document and as such will be used as a guideline for staff and Council. The regulations require updating at a minimum every five (5) years to maintain licences.

The requirement of Ontario Regulation 453/07 is that each Financial Plan is required to document projected financial operating expenditures for each fiscal year the plan is in effect. This information must be itemized by:

- Total Revenues (broken down into water rates, user charges and other revenues);
- Total expenses (broken down into amortization expenses, interest expenses and other expenses);
- Annual and accumulated surplus or deficit.

For existing supply and distribution systems the Financial Plans must also include:

- Details of the system's projected financial position for each fiscal year (itemized by total financial assets, total liabilities, net debt, and non-financial assets including Tangible Capital assets and Inventories);

- Details of the system's projected gross cash receipts itemized by operating, capital, investing and financing transactions and showing changes in cash and cash equivalents during the year and at the beginning and end of the year; and
- Financial information relating to the replacement of lead service connections.

The Regulation requires that the Financial Plan be formally approved by the owner of the municipal drinking water system. In Trent Hills, a resolution approving the Financial Plan by Trent Hills Council is required.

The plan does not have to be approved by the province; however the plan must be submitted to the Ministry of Municipal Affairs and Housing for their records.

The Financial Plan must also be made available to members of the public who are served by the drinking-water system, as requested, at no charge. The plan must also be published on the municipal website and will be available at [www.trenthills.ca](http://www.trenthills.ca) upon approval by Council.

## **2.0 Municipality of Trent Hills Background and Structure**

The Municipality of Trent Hills is a municipality in Central/East Ontario with a mix of rural and urban population. There are three urban communities, Campbellford, Hastings and Warkworth, each with water and sewage systems. In 2001 three municipalities amalgamated and the utility systems, including water and sewer, were combined. The rates and structures varied drastically for each system. Since that time Trent Hills has implemented a step-by-step plan to move towards an improved regional funding model for these systems.

For financial reporting, based on various activities and location, information has been prepared for each of the six systems including:

- Campbellford Water Plant and Distribution System
- Campbellford Sewer Plant and Collection System
- Warkworth Water Plant and Distribution System
- Warkworth Sewer Plant and Collection System
- Hastings Water Plant and Distribution System
- Hastings Sewer Plant and Collection System

Staff have prepared the attached Water Financial Plan for the Municipality of Trent Hills, based on estimations and data gathered during the 2012 budget process, capital projections prepared in previous years and estimates from Tangible Capital Assets and inventories audited to date. The report only requires the Water Financial Report, but as the Wastewater functions and financial data is recommended to be included by various Ministry consultants, it has been included as well.

The Municipality of Trent Hills hired R.M. Loudon PEng, in both 2005 and 2009 to review the structure of the water and sewer rates in the three urban centres of Campbellford, Warkworth and Hastings. The Municipality adopted a new rate structure based on flat rates and consumption,

but with a phase in to balanced rates. The Municipality is moving to a “Balanced” rate structure in 2013 which will mean that the rates for the regional area of Trent Hills will be the same. At the same time Council has authorized that all reserves will be amalgamated in to one capital, one current and one debt repayment reserve for the combined system. This will facilitate financing in systems where a low number of users make large capital upgrades cost prohibitive.

### **3.0 Future Changes to the Financial Plan**

While the rates will be balanced in 2013, the Trent Hills Water and Wastewater working group has recommended that the rate structure be reviewed again in 2012 and 2013 along with the capital and operation requirements of all systems. This report is based on current data before the review and projections from that data. Information regarding current reserves is also being projected based on capital requirements that have been obtained from the review in 2009. The report will be revised once a complete review of rates and capital requirements is complete.

Accounting for Tangible Capital Assets has been in place for the completion of the 2009 and 2010 Financial Statements. The 2011 review is scheduled for completion in the spring of 2012. Estimates are based on current information and projected capital works.

The attached Financial Plan is unaudited, but the Municipality’s Auditors were consulted during the preparation of the financial data.

The Municipality has set up a Water/Wastewater Working Group which meets regularly to review operations and financial issues related to the Water and Wastewater systems in Trent Hills. Their work plan includes a full review of this Financial Plan and recommendations to Staff and Council for updates to the plan.

### **4.0 Council Resolution**

**Date of Motion: January 24<sup>th</sup>, 2012**

**Motion No: 2012-034**

**Moved by: Kim MacNeil**

**Seconded by: Bob Crate**

That the Council of the Municipality of Trent Hills approve the Trent Hills Water and Wastewater Financial Plan, which has been prepared in accordance with Provincial Regulation 453/07;

AND further that the Water and Wastewater Financial Plan and Council Resolution approving the plan be submitted to the Ministry of Municipal Affairs and Housing (MMAH) as prescribed by Ontario Regulation 453/07 under the Safe Drinking Water Act, 2002 and posted on the Municipal Website and be made available at no charge to any person requesting the plan.

### 5.0 PICTURES OF FACILITIES



### **CAMPELLFORD WATER TREATMENT**



**HASTINGS WATER TREATMENT**



**WARKWORTH WATER TREATMENT**

**Municipality of Trent Hills - Water and Wastewater Systems**  
**Projected Statement of Financial Position**

APPENDIX I

**Note:** This financial statement is part of the requirements by the Financial Plan Regulation (O.Regulation 435/07). The regulation recognized that some financial information may be consolidated on a municipal level across numerous department and it may be difficult for that information to be allocated to the drinking-water system. "N/A" below is left intentionally due to the fact that the financial system in the Municipality of Trent Hills currently doesn't facilitate further breakdown.

**ASSETS**

<b>Financial Assets</b>	<b>2012 (E)</b>	<b>2013 (E)</b>	<b>2014 (E)</b>	<b>2015 (E)</b>	<b>2016 (E)</b>	<b>2017 (E)</b>
Cash and Cash equivalents						
Accounts Receivables						
Water Billings			N/A*			
User Fees						
Investment Income						
Long-term Investment						

**Gross Financial Assets**

**LIABILITIES**

Accounts Payable			N/A*			
Deferred Revenue-Development Charges						
Employee Benefits and Other Liabilities						
Long-Term Debt						

**Total Liabilities**

**NET FINANCIAL ASSETS**

Non-Financial Assets						
Tangible Capital Assets	50,882,493	48,712,369	46,658,230	44,714,428	42,875,599	41,136,648
Inventory	78,963	80,542	82,153	83,796	85,472	87,182
Prepaid Expenses			N/A*			

**TOTAL NET ASSETS**

	<b>2012 (E)</b>	<b>2013 (E)</b>	<b>2014 (E)</b>	<b>2015 (E)</b>	<b>2016 (E)</b>	<b>2017 (E)</b>
<b>CHANGES IN TANGIBLE CAPITAL ASSETS</b>						
Opening Balance	53,013,151	50,882,493	48,712,369	46,658,230	44,714,428	42,875,599
Additions	720,000	340,000	346,800	353,736	360,811	368,027
Donations	-	-	-	-	-	-
Write Downs	-	-	-	-	-	-
Disposals	(200,000)	34,000	34,680	35,374	36,081	36,803
Depreciation Expense	(2,650,658)	(2,544,125)	(2,435,618)	(2,332,912)	(2,235,721)	(2,143,780)
<b>Ending Balance</b>	<b>50,882,493</b>	<b>48,712,369</b>	<b>46,658,230</b>	<b>44,714,428</b>	<b>42,875,599</b>	<b>41,136,648</b>

**Level of Detail related to the replacement of lead service pipes**

The new addition includes the amount set aside to replace aging infrastructure including cast iron lead-joint watermain and associated services to the property line. However, the details of the amount directly to the replacement of lead service pipes are not further broken down.

**Municipality of Trent Hills - Water and Wastewater Systems**  
**Projected Statement of Cash Flow**

APPENDIX 2

	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Cash and cash equivalents, beginning of period</b>	<b>3,554,343</b>	<b>2,231,698</b>	<b>2,277,814</b>	<b>1,605,128</b>	<b>1,918,333</b>	<b>1,106,778</b>	<b>489,811</b>	<b>29,635</b>	<b>48,549</b>
Cash received from:									
<i>Revenues from All Sources</i>									
<i>(Including Operational Revenues &amp; Grants)</i>	4,528,064	3,582,444	3,689,917	5,064,945	3,914,633	4,032,072	4,153,034	4,277,626	4,405,954
<i>Proceeds from debt issues</i>	0	0	0	0	0	0	0	0	0
Cash paid for:									
<i>All Expenditures</i>									
<i>(Including Operational Exp., Capital costs including TCA)</i>	(5,803,615)	(3,536,328)	(4,362,603)	(4,751,740)	(4,726,189)	(4,649,039)	(4,613,210)	(4,258,712)	(4,451,420)
<i>but excluding Depreciation Expense</i>									
<i>Cash applied to financing transactions</i>	(47,094)	0	0	0	0	0	0	0	0
<b>Cash and cash equivalents, end of period</b>	<b>2,231,698</b>	<b>2,277,814</b>	<b>1,605,128</b>	<b>1,918,333</b>	<b>1,106,778</b>	<b>489,811</b>	<b>29,635</b>	<b>48,549</b>	<b>3,083</b>

**Municipality of Trent Hills - Water and Wastewater Systems**  
*Projected Operational Financial changes (2012-2020)*

APPENDIX 3

	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Net Income/(Loss)</b>									
<i>Opening Value</i>	0	0	(0)	(0)	0	0	0	0	0
<b>Change During the Year</b>									
Total All Revenues Excluding Reserves	(4,573,563)	(3,582,444)	(3,689,917)	(3,800,615)	(3,914,633)	(4,032,072)	(4,153,034)	(4,277,626)	(4,405,954)
Total All Expenditures	5,803,615	3,489,464	4,314,334	4,702,022	4,674,979	4,596,294	4,558,882	4,202,754	4,393,783
Transfer from Reserves for Capital	(1,322,645)	(90,750)	(949,250)	0	(1,162,500)	(1,091,250)	(1,062,100)	(699,250)	(881,106)
Other Funding Required For Capital Work	0	0	0	(1,264,330)	0	0	0	0	0
Transfers to Reserve Funds	45,499	46,864	48,270	49,718	51,210	52,746	54,328	55,958	57,637
Transfer to (From) Reserves to Balance	47,094	136,866	276,564	313,205	350,945	474,283	601,924	718,164	835,640
Total Change during year	0	(0)	0	0	0	0	(0)	0	(0)
Closing Value	0	(0)	(0)	0	0	0	0	0	0
<b>Reserves (Excludes Reserve Fund)</b>									
<i>Opening Value</i>	3,554,343	2,231,698	2,277,814	1,605,128	1,918,333	1,106,778	489,811	29,635	48,549
<i>Change during year from Budget TO (FROM)</i>	(1,322,645)	(90,750)	(949,250)	0	(1,162,500)	(1,091,250)	(1,062,100)	(699,250)	(881,106)
<i>Change during year from Surplus/Deficit</i>	47,094	136,866	276,564	313,205	350,945	474,283	601,924	718,164	835,640
<b>Closing Value</b>	<b>2,231,698</b>	<b>2,277,814</b>	<b>1,605,128</b>	<b>1,918,333</b>	<b>1,106,778</b>	<b>489,811</b>	<b>29,635</b>	<b>48,549</b>	<b>3,083</b>

*Note: Council will be considering Capital project funding, based on updated costs and Grants possibly available in the year of the project. Reserves may be used.*

**Municipality of Trent Hills - Water and Wastewater Systems**  
*Projected Revenues (2012-2020)*

APPENDIX 4

	Projected Increase	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Operational Revenues</b>	3.0%									
Grants	3.0%	(25,000)	(25,750)	(26,523)	(27,318)	(28,138)	(28,982)	(29,851)	(30,747)	(31,669)
Residential Consumption	3.0%	(918,677)	(946,237)	(974,624)	(1,003,863)	(1,033,979)	(1,064,998)	(1,096,948)	(1,129,857)	(1,163,753)
General Consumption	3.0%	(882,000)	(908,460)	(935,714)	(963,785)	(992,699)	(1,022,480)	(1,053,154)	(1,084,749)	(1,117,291)
General Service Charge	3.0%	(469,000)	(483,070)	(497,562)	(512,489)	(527,864)	(543,700)	(560,011)	(576,811)	(594,115)
Residential Service Charge	3.0%	(1,083,952)	(1,116,471)	(1,149,965)	(1,184,464)	(1,219,998)	(1,256,597)	(1,294,295)	(1,333,124)	(1,373,118)
Bulk Sales	3.0%	(22,345)	(23,015)	(23,706)	(24,417)	(25,149)	(25,904)	(26,681)	(27,482)	(28,306)
Connects/Disconnects	3.0%	(2,577)	(2,654)	(2,734)	(2,816)	(2,900)	(2,987)	(3,077)	(3,169)	(3,264)
Contracted Services	3.0%	(6,500)	(6,695)	(6,896)	(7,103)	(7,316)	(7,535)	(7,761)	(7,994)	(8,234)
Hydrant Rentals	3.0%	(55,400)	(57,062)	(58,774)	(60,537)	(62,353)	(64,224)	(66,150)	(68,135)	(70,179)
Late Payment Charges	3.0%	(19,500)	(20,085)	(20,688)	(21,308)	(21,947)	(22,606)	(23,284)	(23,983)	(24,702)
Water Meter Sales	3.0%	(15,000)	(15,450)	(15,914)	(16,391)	(16,883)	(17,389)	(17,911)	(18,448)	(19,002)
Miscellaneous	3.0%	(3,150)	(3,245)	(3,342)	(3,442)	(3,545)	(3,652)	(3,761)	(3,874)	(3,990)
Local Improvements	3.0%	(45,499)	(46,864)	(48,270)	(49,718)	(51,210)	(52,746)	(54,328)	(55,958)	(57,637)
Transfer from Reserves	3.0%	(11,800)	(12,154)	(12,519)	(12,894)	(13,281)	(13,679)	(14,090)	(14,513)	(14,948)
<b>Total Operational Revenues</b>		<b>(3,523,600)</b>	<b>(3,582,444)</b>	<b>(3,689,917)</b>	<b>(3,800,615)</b>	<b>(3,914,633)</b>	<b>(4,032,072)</b>	<b>(4,153,034)</b>	<b>(4,277,626)</b>	<b>(4,405,954)</b>
Less Local Improvement to Reserve Fund		45,499	46,864	48,270	49,718	51,210	52,746	54,328	55,958	57,637
<b>Total Operational Revenues</b>		<b>(3,478,101)</b>	<b>(3,535,580)</b>	<b>(3,641,647)</b>	<b>(3,750,897)</b>	<b>(3,863,424)</b>	<b>(3,979,327)</b>	<b>(4,098,706)</b>	<b>(4,221,667)</b>	<b>(4,348,318)</b>
<b>Capital Revenues</b>										
<b>Funding from External Systems</b>										
Taxation		(424,963)	0	0	0	0	0	0	0	0
Developer		(125,000)	0	0	0	0	0	0	0	0
Grants		(500,000)	0	0	0	0	0	0	0	0
<b>Total Funding from External Sources</b>		<b>(1,049,963)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Transfer from Reserves		(1,322,645)	(90,750)	(949,250)	0	(1,162,500)	(1,091,250)	(1,062,100)	(699,250)	(881,106)
<b>Total Capital Revenues</b>		<b>(2,372,608)</b>	<b>(90,750)</b>	<b>(949,250)</b>	<b>0</b>	<b>(1,162,500)</b>	<b>(1,091,250)</b>	<b>(1,062,100)</b>	<b>(699,250)</b>	<b>(881,106)</b>
<b>Total All Revenues</b>		<b>(5,850,709)</b>	<b>(3,626,330)</b>	<b>(4,590,897)</b>	<b>(3,750,897)</b>	<b>(5,025,924)</b>	<b>(5,070,577)</b>	<b>(5,160,806)</b>	<b>(4,920,917)</b>	<b>(5,229,424)</b>

Municipality of Trent Hills - Water and Wastewater Systems

APPENDIX 5

Projected Expenditure (2012-2020)

	Projected Increase	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Operations</b>	3.0%									
<b>Administration</b>										
Administration	3.0%	529,796	545,690	562,061	578,922	596,290	614,179	632,604	651,582	671,130
Billing & Collecting	3.0%	71,062	73,194	75,390	77,651	79,981	82,380	84,852	87,397	90,019
<b>Total Administration</b>		<b>600,858</b>	<b>618,884</b>	<b>637,450</b>	<b>656,574</b>	<b>676,271</b>	<b>696,559</b>	<b>717,456</b>	<b>738,980</b>	<b>761,149</b>
<b>Water Distribution</b>										
Truck Maintenance	3.0%	17,000	17,510	18,035	18,576	19,134	19,708	20,299	20,908	21,535
Booster Pump	3.0%	17,976	18,515	19,071	19,643	20,232	20,839	21,464	22,108	22,771
Water Tower	3.0%	33,236	34,233	35,260	36,318	37,407	38,530	39,686	40,876	42,102
Watermain Maintenance	3.0%	63,311	65,210	67,167	69,182	71,257	73,395	75,597	77,865	80,200
Water service maintenance	3.0%	53,517	55,123	56,776	58,479	60,234	62,041	63,902	65,819	67,794
Locates	3.0%	16,406	16,898	17,405	17,927	18,465	19,019	19,590	20,177	20,783
Disconnects/reconnects	3.0%	3,325	3,425	3,527	3,633	3,742	3,855	3,970	4,089	4,212
Hydrant Maintenance	3.0%	24,201	24,927	25,675	26,445	27,238	28,056	28,897	29,764	30,657
Water Meter Maintenance	3.0%	16,111	16,594	17,092	17,605	18,133	18,677	19,237	19,814	20,409
<b>Total Water Distribution</b>		<b>245,083</b>	<b>252,435</b>	<b>260,009</b>	<b>267,809</b>	<b>275,843</b>	<b>284,118</b>	<b>292,642</b>	<b>301,421</b>	<b>310,464</b>
<b>Water Treatment</b>										
Water Filtration Plants	3.0%	489,633	504,322	519,452	535,035	551,086	567,619	584,647	602,187	620,252
<b>Total Water Treatment</b>		<b>489,633</b>	<b>504,322</b>	<b>519,452</b>	<b>535,035</b>	<b>551,086</b>	<b>567,619</b>	<b>584,647</b>	<b>602,187</b>	<b>620,252</b>
<b>Sanitary Sewer Collection</b>										
Sewer Flushing	3.0%	22,732	23,414	24,116	24,840	25,585	26,353	27,143	27,957	28,796
Sewer Collapse/Lateral	3.0%	26,747	27,549	28,376	29,227	30,104	31,007	31,937	32,895	33,882
CCTV	3.0%	24,703	25,444	26,207	26,994	27,803	28,638	29,497	30,382	31,293
Sewer Repairs	3.0%	45,307	46,666	48,066	49,508	50,993	52,523	54,099	55,722	57,394
Flow Monitoring	3.0%	31,076	32,008	32,969	33,958	34,976	36,026	37,106	38,220	39,366
Sewer Locates	3.0%	8,556	8,813	9,077	9,349	9,630	9,919	10,216	10,523	10,838
Sewer Maintenance	3.0%	6,521	6,717	6,918	7,126	7,339	7,560	7,786	8,020	8,261
Manhole Repairs/Adj	3.0%	7,500	7,725	7,957	8,195	8,441	8,695	8,955	9,224	9,501
Pumping Stations	3.0%	24,400	25,132	25,886	26,663	27,462	28,286	29,135	30,009	30,909
<b>Total Sewer Collection</b>		<b>197,542</b>	<b>203,468</b>	<b>209,572</b>	<b>215,859</b>	<b>222,335</b>	<b>229,005</b>	<b>235,875</b>	<b>242,952</b>	<b>250,240</b>
<b>Sewer Treatment</b>										
Sewage Treatment Plant	3.0%	748,238	770,685	793,806	817,620	842,149	867,413	893,435	920,238	947,846
<b>Total Sewer Treatment</b>		<b>748,238</b>	<b>770,685</b>	<b>793,806</b>	<b>817,620</b>	<b>842,149</b>	<b>867,413</b>	<b>893,435</b>	<b>920,238</b>	<b>947,846</b>
<b>Total Operations</b>		<b>2,281,354</b>	<b>2,349,795</b>	<b>2,420,289</b>	<b>2,492,897</b>	<b>2,567,684</b>	<b>2,644,715</b>	<b>2,724,056</b>	<b>2,805,778</b>	<b>2,889,951</b>
<b>Total Capital</b>		<b>2,464,958</b>	<b>90,750</b>	<b>949,250</b>	<b>1,264,330</b>	<b>1,162,500</b>	<b>1,091,250</b>	<b>1,062,100</b>	<b>699,250</b>	<b>881,106</b>
<b>Total Debt Charges</b>		<b>1,057,303</b>	<b>1,048,919</b>	<b>944,795</b>	<b>944,795</b>	<b>944,795</b>	<b>860,329</b>	<b>772,726</b>	<b>697,726</b>	<b>622,726</b>
<b>Total Expenditures (Before Depreciation)</b>		<b>5,803,615</b>	<b>3,489,464</b>	<b>4,314,334</b>	<b>4,702,022</b>	<b>4,674,979</b>	<b>4,596,294</b>	<b>4,558,882</b>	<b>4,202,754</b>	<b>4,393,783</b>
<b>Total Expenditures (Including Depreciation)</b>		<b>8,454,273</b>	<b>6,033,589</b>	<b>6,749,952</b>	<b>7,034,934</b>	<b>6,910,700</b>	<b>6,740,074</b>	<b>6,766,975</b>	<b>6,410,847</b>	<b>6,601,877</b>

Municipality of Trent Hills - Water and Wastewater Systems  
 Projected Capital Projects (2012-2020)

APPENDIX 6

CAPITAL SUMMARY	TOTAL ALL YEA	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Campbellford Water</b>										
Watermain Replacements	1,842,000	360,000	0	90,000	324,000	258,000	259,000	254,000	99,000	198,000
Other Distribution System Upgrades/Repairs	1,138,500	38,500	0	0	500,000	200,000	200,000	200,000	0	0
Waterplant Upgrades	921,869	288,031	0	500,000	0	64,500	0	0	0	69,338
<b>Total Campbellford Water Capital Expenditures</b>	<b>3,902,369</b>	<b>686,531</b>	<b>0</b>	<b>590,000</b>	<b>824,000</b>	<b>522,500</b>	<b>459,000</b>	<b>454,000</b>	<b>99,000</b>	<b>267,338</b>
<b>Warkworth Water</b>										
Watermain Replacements	1,007,377	0	0	0	0	0	0	0	0	0
Waterplant Upgrades	30,000	0	0	0	0	0	0	0	0	0
<b>Total Warkworth Water Capital Expenditures</b>	<b>1,037,377</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Hastings Water</b>										
Watermain Replacements	1,529,430	92,500	0	125,000	247,080	225,000	238,000	200,850	225,000	176,000
Waterplant Upgrades	148,269	66,000	0	0	10,000	30,750	0	0	0	41,519
<b>Total Hastings Water Capital Expenditures</b>	<b>1,677,699</b>	<b>158,500</b>	<b>0</b>	<b>125,000</b>	<b>257,080</b>	<b>255,750</b>	<b>238,000</b>	<b>200,850</b>	<b>225,000</b>	<b>217,519</b>
<b>Campbellford Sewer</b>										
Collection System Replacements	1,729,000	433,000	0	73,000	47,000	238,000	243,000	251,000	214,000	230,000
Treatment (Plant) Upgrades	485,000	35,000	45,000	50,000	55,000	60,000	60,000	60,000	60,000	60,000
Pump Station Capital	147,050	13,050	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750
<b>Total Campbellford Sewer Capital Expenditures</b>	<b>2,361,050</b>	<b>481,050</b>	<b>61,750</b>	<b>139,750</b>	<b>118,750</b>	<b>314,750</b>	<b>319,750</b>	<b>327,750</b>	<b>290,750</b>	<b>306,750</b>
<b>Warkworth Sewer</b>										
Collection System Replacements	0	0	0	0	0	0	0	0	0	0
Treatment (Lagoon) Upgrades	40,000	2,500	2,500	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Pump Station Capital	1,094,877	1,057,377	2,500	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Sanitary System	186,900	25,900	0	23,000	23,000	23,000	23,000	23,000	23,000	23,000
<b>Total Warkworth Sewer Capital Expenditures</b>	<b>1,321,777</b>	<b>1,085,777</b>	<b>5,000</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>
<b>Hastings Sewer</b>										
Collection System Replacements	112,500	30,000	0	37,500	7,500	7,500	7,500	7,500	7,500	7,500
Treatment (Plant) Upgrades	207,075	12,075	15,000	15,000	15,000	20,000	25,000	30,000	35,000	40,000
Pump Station Capital	83,025	11,025	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
<b>Total Hastings Sewer Capital Expenditures</b>	<b>402,600</b>	<b>53,100</b>	<b>24,000</b>	<b>61,500</b>	<b>31,500</b>	<b>36,500</b>	<b>41,500</b>	<b>46,500</b>	<b>51,500</b>	<b>56,500</b>
<b>GRAND TOTALS FOR ALL TRENT HILLS WATER A</b>	<b>\$ 10,702,871</b>	<b>\$ 2,464,958</b>	<b>\$ 90,750</b>	<b>\$ 949,250</b>	<b>\$ 1,264,330</b>	<b>\$ 1,162,500</b>	<b>\$ 1,091,250</b>	<b>\$ 1,062,100</b>	<b>\$ 699,250</b>	<b>\$ 881,106</b>
<b>Financing</b>										
<b>Reserves</b>		(1,322,645)	(90,750)	(949,250)	0	(1,162,500)	(1,091,250)	(1,062,100)	(699,250)	(881,106)
<b>Funding from External Systems</b>		(424,963)	0	0	0	0	0	0	0	0
<b>Taxation</b>		(125,000)	0	0	0	0	0	0	0	0
<b>Developer</b>		(500,000)	0	0	0	0	0	0	0	0
<b>Grants</b>		(92,350)	0	0	(1,264,330)	0	0	0	0	0
<b>Other Financing Sources</b>		(92,350)	0	0	(1,264,330)	0	0	0	0	0
<b>Total Capital Projects Financing</b>		<b>(2,464,958)</b>	<b>(90,750)</b>	<b>(949,250)</b>	<b>(1,264,330)</b>	<b>(1,162,500)</b>	<b>(1,091,250)</b>	<b>(1,062,100)</b>	<b>(699,250)</b>	<b>(881,106)</b>

Note: Council will be considering each project and the funding, based on updated costs and Grants possibly available in the year of the project.



**Municipality of Trent Hills - Water and Wastewater Systems**  
*Projected Service Charges for Water and Wastewater*

<b>Service Charges</b> Size (mm)	<b>\$/month</b>									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	
<b>19</b>	17.24	17.93	18.47	19.02	19.59	20.18	20.79	21.41	22.05	
<b>25</b>	38.80	40.35	41.56	42.81	44.09	45.41	46.78	48.18	49.63	
<b>37</b>	89.59	93.02	95.81	98.68	101.64	104.69	107.83	111.07	114.40	
<b>50</b>	213.14	221.67	228.32	235.17	242.22	249.49	256.98	264.69	272.63	
<b>75</b>	379.79	394.98	406.83	419.03	431.61	444.55	457.89	471.63	485.78	
<b>100</b>	756.22	786.47	810.06	834.37	859.40	885.18	911.73	939.09	967.26	
<b>150</b>	1,421.42	1,478.27	1,522.62	1,568.30	1,615.35	1,663.81	1,713.72	1,765.13	1,818.09	