

Municipality of Trent Hills  
2017 Water and Wastewater Budget  
Approved: February 14, 2017

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Council Approval Date: February 14, 2017

Background

The 2017 Water and Wastewater Budget includes combined revenues and expenditures for water and wastewater systems in Campbellford, Warkworth and Hastings. These systems are considered “user pay” therefore, only those properties utilizing municipal water and wastewater services are subject to the applicable rates, fees and charges.

Recent Changes

In 2016, Staff completed a Service Delivery Review (SDR) of the Water and Wastewater systems and as a result, Council approved several recommendations. The recommendations included the transfer of operation of the wastewater facilities from the Ontario Clean Water Agency (OCWA) to the Municipality as well as the transfer of wastewater collection from the Roads Department to Water and Wastewater Department.

Implementation of those recommendations began in 2016 and their financial impacts have been included in the 2017 Water and Wastewater Budget.

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SUMMARY OF CHANGES IN  
GROSS REVENUES & EXPENDITURES

<b>Total-All Systems</b>	<b>2016</b>	<b>2017</b>	<b>Change</b>
Gross Expenditures	9,390,977	10,190,794	799,817
Gross Other Revenue	(5,849,331)	(6,600,570)	(751,239)
User Rate Revenue	(3,541,646)	(3,590,224)	(48,578)

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SUMMARY OF CHANGES IN  
 GROSS EXPENDITURES BY SYSTEM

<b>Gross Expenditures by System</b>	<b>2016</b>	<b>2017</b>	<b>Incr/(Decr)</b>
Campbellford Water	6,272,204	6,366,698	94,494
Warkworth Water	365,700	322,555	(43,145)
Hastings Water	590,719	1,278,107	687,388
Campbellford Sewer	1,523,382	1,619,838	96,456
Warkworth Sewer	154,322	120,905	(33,417)
Hastings Sewer	484,650	482,691	(1,959)
<b>Total Gross Expenditures</b>	<b>9,390,977</b>	<b>10,190,794</b>	<b>799,817</b>

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SUMMARY OF CHANGES IN  
 GROSS REVENUES BY SYSTEM

<b>Gross Revenues By System</b>	<b>2016</b>	<b>2017</b>	<b>(Incr)/Decr</b>
Campbellford Water	(5,534,652)	(5,635,756)	(101,104)
Warkworth Water	(49,450)	(35,550)	13,900
Hastings Water	(85,100)	(614,040)	(528,940)
Campbellford Sewer	(99,129)	(250,824)	(151,695)
Warkworth Sewer	(12,000)	(12,400)	(400)
Hastings Sewer	(69,000)	(52,000)	17,000
Subtotal	(5,849,331)	(6,600,570)	(751,239)
User Rate Revenue	(3,541,646)	(3,590,224)	(48,578)
<b>Total Revenues</b>	<b>(9,390,977)</b>	<b>(10,190,794)</b>	<b>(799,817)</b>

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Summary of Budget Changes

Description	Amount
OCWA Contract	(492,132)*
Lab Testing	20,000*
Chemicals	50,000*
Contingency	15,000*
Pumping Stations	10,500*
Annual Preventative Maintenance	40,000*
Wages & Benefits (net)-Admin	( 30,025)*
Wages & Benefits-(net)-Water	( 25,978)*
Wages & Benefits-(net)-Sewer	174,028*
Insurance-Adjustments	3,419
Debt Servicing	( 54,327)
Rate Supported Capital Projects	294,418**
Bulk Water Rate Revenue-increase	( 9,330)
Water & Sewer (Utilities)	( 12,796)
Hydro	24,020
Flushing	5,500
CCTV	10,000
Tipping & Collection	5,000
Parts (all)	15,150
Other-net rev and expenses	6,131
<b>Total</b>	<b>48,578</b>

\* Estimated net impact of transfer of operations from OCWA to municipality (\$208,607)

\*\*Vehicle acquisition cost of \$30,000 included in Rate Supported Capital Projects category

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**Other Factors Affecting Budget and Rates, Fees, Charges**

- Consumption – Overall annual consumption estimate decreased by 8,000 cubic meters
- Water Service Charge Rate-increase of 2%, generating approximately \$13,852 additional revenue
- Water Volumetric Rate-increase of 2%, generating approximately \$ 5,406 additional revenue
- Sewer Surcharge on water remains at 210% generating approximately \$ 29,320 in additional revenue
- Water Disconnection/Reconnection-fee increase from \$25/\$75 to \$35/\$138 (regular and after hour rates)
- Bulk Water Charge-fee increase from \$10.10 to 12.54 per 1000 Imperial Gallons or \$2.22 to \$2.76 per cubic meter
- Non Metered Seasonal from \$ 60.00 to \$ 71.00 per month
- Basic Sewer Surcharge decreased from \$ 79.92 to \$75.51

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**WATER AND SEWER RATE COMPARISON**

SIZE		YEAR	YEAR
mm	inches	2016	2017
19	$\frac{3}{4}$	19.03	19.41
25	1	42.82	43.68
37	1 $\frac{1}{2}$	98.87	100.85
50	2	235.23	239.94
75	3	419.16	427.54
100	4	834.60	851.30
150	6	1568.77	1600.15
Volumetric Rate \$/Cubic Meter		1.081	1.103
Sewer Surcharge		210%	210%



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**RESIDENTIAL CUSTOMER BILLING EXAMPLE**

A residential customer with a monthly water consumption amount of 15 cubic meters would be billed as follows:

<b>Monthly Billing Amount</b>	<b>2016</b>	<b>2017</b>
Water Service Charge	\$ 19.03	\$ 19.41
Water Volumetric Charge	<u>\$ 16.22</u>	<u>\$ 16.55</u>
Total Water	\$ 35.25	\$ 35.96
Sewer Surcharge	<u>\$ 74.03</u>	<u>\$ 75.52</u>
Total Monthly	\$ 109.28	\$ 111.48
Total Annual	\$ 1311.36	\$ 1337.76
Annual \$ Increase		\$ 26.40
Annual % Increase		2.013%

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**2017 CAPITAL SUMMARY**

<b>DESCRIPTION</b>	<b>GROSS EXPENDITURE</b>	<b>REVENUE GRANTS/DEBT PROCEEDS</b>	<b>REVENUE RESERVES</b>	<b>REVENUE USER RATES</b>	<b>TOTAL REVENUE</b>
Water Capital	6,384,326	(6,046,119)	(75,227)	(262,980)	(6,384,326)
Wastewater Capital	528,027	(230,710)	(78,315)	(219,002)	(528,027)
<b>Total Capital</b>	<b>6,912,353</b>	<b>(6,276,829)</b>	<b>(153,542)</b>	<b>(481,982)</b>	<b>(6,912,353)</b>

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**Campbellford Water**

Water Tower Capital is shown again in 2017 as gross expenditure as it was in previous years to demonstrate how the project will be funded.

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Doxsee Ave	257,625	(215,329)	(15,227)	(27,069)	(257,625)
Water Tower Upgrades	5,300,000	(5,300,000)	0	0	(5,300,000)
Vehicle Repl-annual	5,000	0	0	(5,000)	(5,000)
<b>Total</b>	<b>5,562,625</b>	<b>(5,515,329)</b>	<b>(15,227)</b>	<b>(32,069)</b>	<b>(5,562,625)</b>

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**Warkworth Water**

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Intake Repairs (carry over)	20,000	0	(20,000)	0	(20,000)
<b>Total</b>	<b>20,000</b>	<b>0</b>	<b>(20,000)</b>	<b>0</b>	<b>(20,000)</b>

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**Hastings Water**

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Bridge & Bay St (CWWF)	761,701	(530,790)	0	(230,911)	(761,701)
Second River Crossing (carry over)	40,000	0	(40,000)	0	(40,000)
<b>Total</b>	<b>801,701</b>	<b>(530,790)</b>	<b>(40,000)</b>	<b>(230,911)</b>	<b>(801,701)</b>

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**Campbellford Wastewater**

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Doxsee Ave	276,027	(230,710)	(16,315)	(29,002)	(276,027)
Clarifier/Misc	60,000	0	0	(60,000)	(60,000)
Scada Upgrades	30,000	0	0	(30,000)	(30,000)
Vehicle Repl-50%	15,000	0	0	(15,000)	(15,000)
<b>Total</b>	<b>381,027</b>	<b>(230,710)</b>	<b>(16,315)</b>	<b>(134,002)</b>	<b>(381,027)</b>

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**Warkworth Wastewater**

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Submersible Pump	12,000	0	(12,000)	0	(12,000)
<b>Total</b>	<b>12,000</b>	<b>0</b>	<b>(12,000)</b>	<b>0</b>	<b>(12,000)</b>

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**Hastings Wastewater**

<b>Project Name</b>	<b>Gross Expenditure</b>	<b>Revenue Grants/Debt</b>	<b>Revenue Reserves</b>	<b>Revenue User Rates</b>	<b>Total Revenue</b>
Generator	100,000	0	(50,000)	(50,000)	(100,000)
Scada Upgrades	20,000	0	0	(20,000)	(20,000)
Vehicle Repl-50%	15,000	0	0	(15,000)	(15,000)
<b>Total</b>	<b>135,000</b>	<b>0</b>	<b>(50,000)</b>	<b>(85,000)</b>	<b>(135,000)</b>



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**SUMMARY OF DEBT**

<b>Project</b>	<b>2017 Principal</b>	<b>2017 Interest</b>	<b>Total Payments</b>
Campbellford Water	54,189	31,457	85,646
Campbellford Sewer	345,993	182,299	528,292
Warkworth Water	53,378	16,190	69,568
Warkworth Sewer	2,108	1,102	3,210
Hastings Water	137,208	34,370	171,578
Hastings Sewer	52,800	28,036	80,836
<b>TOTAL</b>	<b>645,676</b>	<b>293,454</b>	<b>939,130</b>
<b>2016</b>	<b>624,765</b>	<b>368,692</b>	<b>993,457</b>
<b>Change</b>	<b>20,911</b>	<b>(75,238)</b>	<b>(54,327)</b>

Debt Servicing as a  
 Percentage of Water and  
 Wastewater Operating  
 Budget: 28.73%