

Municipality of Trent Hills
2019 Water and Wastewater Budget
Approved: January 15, 2019



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Overview

The Municipality of Trent Hills has drinking water and wastewater systems located in the communities of Campbellford, Hastings and Warkworth. These systems are considered “user pay” and only those properties utilizing municipal water and wastewater services are subject to the applicable rates, fees and charges.

The Municipal drinking water systems and wastewater systems are operated by the Municipality of Trent Hills in compliance with the Safe Drinking Water Act and the Environmental Protection Act and related Ontario Regulations.

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The Water Department is responsible for the following activities and functions that are captured in the annual Budget:

- Administration
- Vehicles
- Filtration Plants
- Water Towers
- Watermain Maintenance
- Water Service Maintenance
- Locates
- Hydrant Maintenance
- Water Meter Maintenance
- Booster Pumps
- Capital Planning

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Water Budget Summary 2018 vs 2019

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Operating	2019	1,863,884	(172,800)	-	-	-	(1,691,084)
	2018	1,577,230	(172,230)	-	-	-	(1,405,000)
	Total	286,654	(570)	-	-	-	(286,084)
Transfers	2019	15,000	-	-	-	-	(15,000)
	2018	15,000	-	-	-	-	(15,000)
	Total	-	-	-	-	-	-
Capital	2019	1,434,973	-	(348,600)	(829,344)	(182,029)	(75,000)
	2018	4,379,782	-	-	(4,094,782)	-	(285,000)
	Total	(2,944,809)	-	(348,600)	3,265,438	(182,029)	210,000
Summary	2019	3,313,857	(172,800)	(348,600)	(829,344)	(182,029)	(1,781,084)
	2018	5,972,012	(172,230)	-	(4,094,782)	-	(1,705,000)
	Total	(2,658,155)	(570)	(348,600)	3,265,438	(182,029)	(76,084)

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**Water Operating Budget
 2018 vs 2019**

Expense	2018 Budget	2019 Budget	Y:Y Change
Wages & Benefits	600,672	637,578	36,906
Materials & Supplies	268,431	290,533	22,102
Contracted Services	375,983	402,174	26,191
Financial-General	5,351	6,352	1,001
Debt Payments	326,793	527,247	200,454
Total Operating Expenses	1,577,230	1,863,884	286,654
Revenue			
Fees & Charges	(172,230)	(172,800)	(570)
User Rate Revenue	(1,405,000)	(1,691,084)	(286,084)
Total Revenue	(1,577,230)	(1,863,884)	(286,654)

Fees & Charges-Bulk water sales, hydrant rentals, connects/disconnects, late payment charges, etc.

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**Water Capital Budget
 2018 vs 2019**

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
C'ford Water Supply/Tower	2019	873,304	-	-	(712,851)	(160,453)	-
	2018	4,194,782	-	-	(4,094,782)	-	(100,000)
	Total	(3,321,478)	-	-	3,381,931	(160,453)	100,000
Doxsee Ave	2019	401,669	-	(263,600)	(116,493)	(21,576)	-
	2018	27,069	-	-	-	-	(27,069)
	Total	374,600	-	(263,600)	(116,493)	(21,576)	27,069
Vehicles	2019	35,000	-	(35,000)	-	-	-
	2018	-	-	-	-	-	-
	Total	35,000	-	(35,000)	-	-	-
Bulk Water	2019	50,000	-	(50,000)	-	-	-
	2018	-	-	-	-	-	-
	Total	50,000	-	(50,000)	-	-	-
Equipment	2019	75,000	-	-	-	-	(75,000)
	2018	157,931	-	-	-	-	(157,931)
	Total	(82,931)	-	-	-	-	82,931
Summary	2019	1,434,973	-	(348,600)	(829,344)	(182,029)	(75,000)
	2018	4,379,782	-	-	(4,094,782)	-	(285,000)
	Total	(2,944,809)	-	(348,600)	3,265,438	(182,029)	210,000

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**Water User Rate
Revenue Requirement**

Total water user rate revenue requirement:

2019	\$ 1,781,084
2018	<u>\$ 1,705,000</u>
Increase	\$ 76,084

The additional revenue required to be raised through rates will be achieved as follows:

Service Charges:	\$ 58,943
Volumetric rate:	<u>\$ 17,141</u>
Total	\$ 76,084

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**Monthly Water Service Charges &
 Volumetric (Consumption) Rate**

Description	% of Customers	2018 Rate \$	2019 Rate \$	Y:Y Change \$
Service Charge 19mm	97.13%	26.16	27.16	1.00
Service Charge 25mm	1.38%	58.85	61.10	2.25
Service Charge 37mm	.48%	135.89	141.08	5.19
Service Charge 50mm	.82%	323.32	335.67	12.35
Service Charge 75mm	.15%	576.11	598.12	22.01
Service Charge 100mm	.04%	1147.12	1190.94	43.82
Service Charge 150mm	0%	2156.20	2238.56	82.36
Volumetric Rate		1.125	1.15	.025

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**Examples of Monthly Water Amounts
Residential Customers (19mm)
Includes Service Charges and Consumption**

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
50 m3	82.41	84.66	2.25
35 m3	65.54	67.41	1.87
25 m3	54.29	55.91	1.62
15 m3	43.04	44.41	1.37
10 m3	37.41	38.66	1.25
5 m3	31.79	32.91	1.12

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Water Debt

Annual P&I Payments \$	Year of Expiration
113,390	2024
108,493	2026
47,122	2027
57,788	2030
200,454	2038
527,247	

Percentage of 2019 Operating Budget: 28%

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The Wastewater Department is responsible for the following activities and functions that are captured in the annual Budget:

- Administration
- Vehicles
- Sewer Flushing
- Sewer Laterals
- CCTV
- Sewer Repairs
- Flow Monitoring
- Locates
- Treatment
- Pumping Stations
- Manholes
- Capital Planning

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Wastewater Budget Summary 2018 vs 2019

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Operating	2019	1,776,699	(3,500)	-	-	-	(1,773,199)
	2018	1,724,300	(4,300)	-	-	-	(1,720,000)
	Total	52,399	800	-	-	-	(53,199)
Transfers	2019	64,300	-	-	-	-	(64,300)
	2018	15,000	-	-	-	-	(15,000)
	Total	49,300	-	-	-	-	(49,300)
Capital	2019	1,177,449	-	(341,792)	(194,155)	(258,502)	(383,000)
	2018	485,000	-	(100,000)	-	-	(385,000)
	Total	692,449	-	(241,792)	(194,155)	(258,502)	2,000
Summary	2019	3,018,448	(3,500)	(341,792)	(194,155)	(258,502)	(2,220,499)
	2018	2,224,300	(4,300)	(100,000)	-	-	(2,120,000)
	Total	794,148	800	(241,792)	(194,155)	(258,502)	(100,499)

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**Wastewater Operating Budget
 2018 vs 2019**

Expense	2018 Budget	2019 Budget	Y:Y Change
Wages & Benefits	413,342	433,790	20,448
Materials & Supplies	167,066	195,920	28,854
Contracted Services	538,551	550,248	11,697
Financial-General	950	300	(650)
Debt Payments	604,391	596,441	(7,950)
Total Operating Expenses	1,724,300	1,776,699	52,399
Revenue			
Fees & Charges	(4,300)	(3,500)	800
User Rate Revenue	(1,720,000)	(1,773,199)	(53,199)
Total Revenue	(1,724,300)	(1,776,699)	(52,399)

Fees & Charges-Sewer Connections, etc.

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**Wastewater Transfers Budget
 2018 vs 2019**

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Vehicles	2019	15,000	-	-	-	-	(15,000)
	2018	15,000	-	-	-	-	(15,000)
	Total	-	-	-	-	-	-

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Rate Stabilization	2019	49,300	-	-	-	-	(49,300)
	2018	-	-	-	-	-	-
	Total	49,300	-	-	-	-	(49,300)

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Summary	2019	64,300	-	-	-	-	(64,300)
	2018	15,000	-	-	-	-	(15,000)
	Total	49,300	-	-	-	-	(49,300)

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**Wastewater Capital Budget
 2018 vs 2019**

	Year	Expenditures	Fees/Chgs	Reserves	Grants	Financing	User Rates
Doxsee Ave	2019	669,449	-	(216,792)	(194,155)	(258,502)	-
	2018	29,000	-	-	-	-	(29,000)
	Total	640,449	-	(216,792)	(194,155)	(258,502)	29,000
Vehicles	2019	45,000	-	(25,000)	-	-	(20,000)
	2018	-	-	-	-	-	-
	Total	45,000	-	(25,000)	-	-	(20,000)
UV Disinfection	2019	235,000	-	(100,000)	-	-	(135,000)
	2018	75,000	-	-	-	-	(75,000)
	Total	160,000	-	(100,000)	-	-	(60,000)
Generators	2019	30,000	-	-	-	-	(30,000)
	2018	245,000	-	(100,000)	-	-	(145,000)
	Total	(215,000)	-	100,000	-	-	115,000
Equipment	2019	198,000	-	-	-	-	(198,000)
	2018	136,000	-	-	-	-	(136,000)
	Total	62,000	-	-	-	-	(62,000)
Summary	2019	1,177,449	-	(341,792)	(194,155)	(258,502)	(383,000)
	2018	485,000	-	(100,000)	-	-	(385,000)
	Total	692,449	-	(241,792)	(194,155)	(258,502)	2,000

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**Wastewater User Rate
Revenue Requirement**

Total wastewater user rate revenue requirement:

2019:	\$ 2,220,499
2018:	<u>\$ 2,120,000</u>
Increase	\$ 100,499

The additional revenue required to be raised through rates will be achieved by applying the sewer surcharge of **172%** to the applicable water user rate revenue. The sewer surcharge remains unchanged from 2018 to 2019.

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**Examples of Monthly Water & Sewer Charges
 Residential Customers**
Includes Water Service Charges, Consumption, Sewer Surcharge

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 50 m3	82.41	84.66	2.25
Sewer 172%	<u>141.75</u>	<u>145.62</u>	<u>3.87</u>
Total	224.16	230.28	6.12

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 35 m3	65.54	67.41	1.87
Sewer 172%	<u>112.73</u>	<u>115.95</u>	<u>3.22</u>
Total	178.27	183.36	5.09

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**Examples of Monthly Water & Sewer Charges
 Residential Customers**
Includes Water Service Charges, Consumption, Sewer Surcharge

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 25 m3	54.29	55.91	1.62
Sewer 172%	<u>93.38</u>	<u>96.16</u>	<u>2.78</u>
Total	147.67	152.07	4.40

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 15 m3	43.04	44.41	1.37
Sewer 172%	<u>74.03</u>	<u>76.39</u>	<u>2.36</u>
Total	117.07	120.80	3.73

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**Examples of Monthly Water & Sewer Charges
 Residential Customers**
Includes Water Service Charges, Consumption, Sewer Surcharge

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 10 m3	37.41	38.66	1.25
Sewer 172%	<u>64.35</u>	<u>66.49</u>	<u>2.14</u>
Total	101.76	105.15	3.39

Consumption	2018 Dollars	2019 Dollars	Increase Dollars
Water 5 m3	31.79	32.91	1.12
Sewer 172%	<u>54.68</u>	<u>56.60</u>	<u>1.92</u>
Total	86.47	89.51	3.04

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Wastewater Debt

Annual P&I Payments \$	Year of Expiration
28,348	2024
32,239	2027
57,788	2030
322,142	2031
155,925	2033
596,442	

Percentage of 2019 Operating Budget: 33.5%

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**Other Water & Sewer
 Rates, Fees, Charges**

Description	2018 \$	2019 \$	Y:Y Change \$
Water Disconnect/Reconnect Fee-Regular hours	40.00	43.00	3.00
Water Disconnect/Reconnect Fee-After hours	158.00	253.00	95.00
Bulk Water Charge (m3)	2.81	3.16	.35
Non Metered Seasonal Water per month	81.00	84.00	3.00
Basic Sewer Surcharge	74.02	76.39	2.37

Above items are reviewed annually for consideration of employee hourly rates (disconnect and reconnect fees) and current year service charges, volumetric rates and sewer surcharge rates.