



## Toronto Water

### 2017 2026 Capital Budget and Plan Overview

Toronto Water is responsible for water treatment and supply; wastewater collection and treatment; and stormwater management across the City. It services 3.6 million residents and businesses in Toronto and portions of York and Peel Region.

Toronto Water has stewardship of an inventory of capital assets valued at \$28.415 billion. Toronto Water maintains two categories of capital assets, linear infrastructure, such as distribution (5,551 km) and transmission (550 km) water mains, sanitary (3,730 km), combined (1,411 km) and storm (4,981 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment plants (4), water (18) and wastewater pumping stations (87), reservoirs, storage and detention tanks.

State of Good Repair (SOGR) projects remain a priority given the significant backlog in infrastructure renewal, with considerable funding also included in the 2017-2026 Capital Budget and Plan for investments in Basement Flooding Protection and Wet Weather Flow Master Plan projects.

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### CONTACTS

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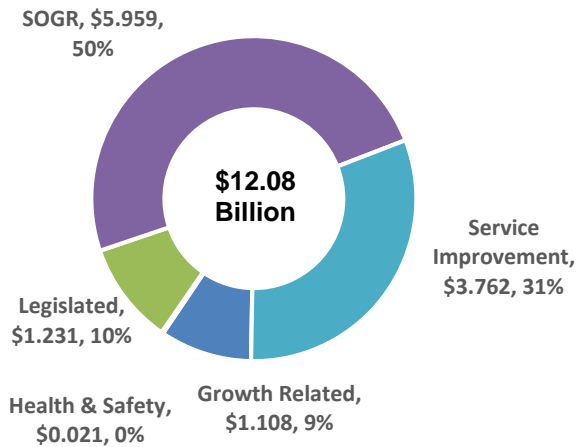
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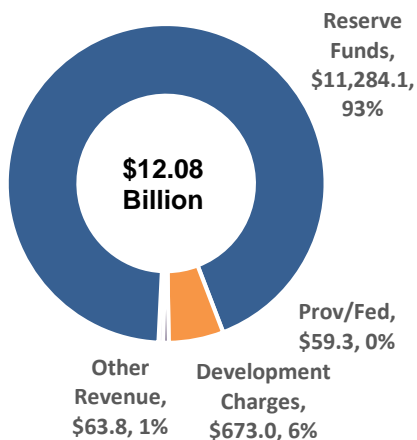
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**Capital Spending and Financing**

**2017-2026 Capital Budget and Plan by Expenditures Category**



**By Funding Source**



**Where does the money go?**

The 2017–2026 Recommended Capital Budget and Plan totalling \$12.080 billion provides funding for:

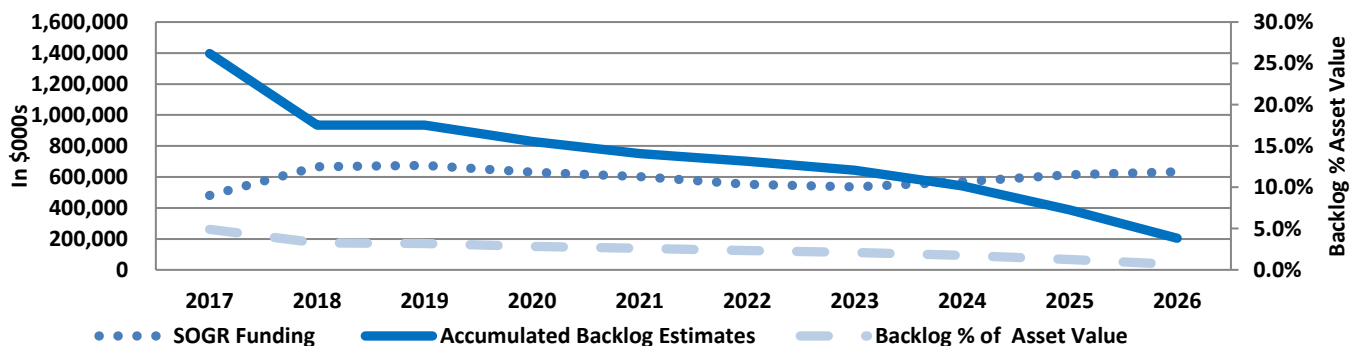
- Health and Safety, Legislated and State of Good Repair (SOGR) projects are the primary focus of the 10-Year Capital Plan. Approximately \$7.210 billion or 60% of the total funding is allocated for on-going state of good repair projects (including health and safety and legislated projects) for linear infrastructure and treatment facilities.
- Service Improvement projects account for \$3.762 billion or 31% of the total funding, and include the Basement Flooding Protection Program to reduce the risk of future flooding from extreme storm events (\$1.527 billion) and Wet Weather Flow Master Plan to improve water quality and city's environments (\$1.316 billion).
- Growth related projects at \$1.109 billion or 9% of the total funding will provide the necessary servicing capacity for projected population growth. The largest projects are the Trunk Watermain Expansion and Upgrade projects (\$0.224 billion) and New Service Connections (\$0.358 billion).

**Where does the money come from?**

- Toronto Water's Capital Financing Reserves which account for approximately 93% of financing sources or \$11.284 billion are the main source of funding for the 10-Year Capital Plan.
- Development charges for growth related projects, capital cost sharing with York Region, and Provincial/Federal grants represent the remaining 7% or \$0.796 billion of the total capital financing.

**State of Good Repair Backlog**

The 10-Year Capital Plan includes cash flow funding of \$5.959 billion for State of Good Repair to address the backlog. The SOGR backlog of \$1.552 billion or 5.5% of asset replacement value in 2016 will be effectively eliminated by the end of 2026.



**Key Issues & Priority Actions**

**Stormwater Management and Resiliency** - Considerable investment is required to manage basement flooding and other stormwater issues across the City which are caused by more frequent severe storms. Funding for stormwater management is projected to grow from 18% of the total capital program in 2016 to 40% in 2026.

- ✓ The 10-Year Capital Plan includes an added \$393.274 million for Wet Weather Flow projects that will improve the City's resiliency to extreme weather events.

**Strict Regulatory Control and Oversight** – The water and wastewater industry continues to experience increased legislative and regulatory reform.

- ✓ The 10-Year Capital Plan includes funding of \$596.360 million for the design and construction of a new effluent disinfection system at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.

**Aging Infrastructure** – Aging infrastructure that has an accumulated state of good repair backlog estimated at \$1.552 billion that, particularly for linear infrastructure, can result in service interruption.

- ✓ The 10-Year Capital Plan funding of \$5.959 billion for SOGR will effectively eliminate backlog by 2026.

**Long-term Financial Sustainability** - The 10-Year Capital Plan relies primarily on successive water rate increases of 5% in years 2017 and 2018 and 3% thereafter.

- ✓ In addition to recommended water rate increases, a report will be submitted to Executive Committee in the spring of 2017 formulating a revenue neutral stormwater management funding model premised on a dedicated stormwater charge to support Toronto Water's financial sustainability for stormwater management projects.

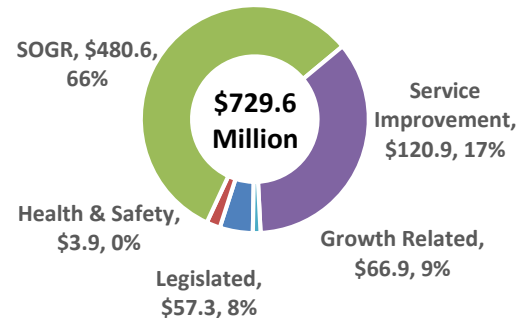


**2017 Capital Budget Highlights**

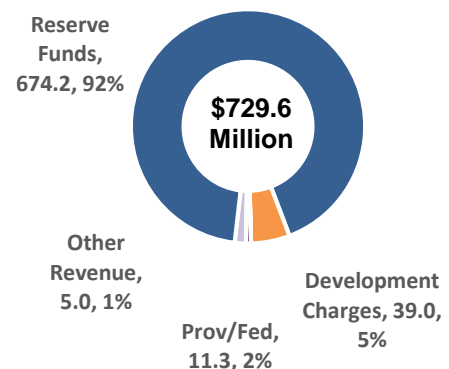
The 2017 Recommended Capital Budget for Toronto Water of \$729.565 million, excluding carry forward funding, will:

- Deliver continued state of good repair projects to address infrastructure renewal such as Watermain Replacement and Rehabilitation (\$171.021 million), Sewer System Replacement and Rehabilitation (\$77.347 million) and Trunk Sewer and Pumping Station projects (\$24.883 million).
- Implement Basement Flooding Protection projects (\$56.817 million), implementation of the Wet Weather Flow Master Plan (\$16.621 million), and Erosion Control projects (\$5.811 million).
- Continue to provide funding for the TRCA erosion control projects including critical erosion sites (\$12.775 million).

**2017 Capital Budget by Project Category**



**By Funding Source**



## Actions for Consideration

Approval of the 2017 Recommended Capital Budget as presented in these notes requires that:

1. City Council approve the 2017 Recommended Capital Budget for Toronto Water with a total project cost of \$1.989 billion, and 2017 cash flow of \$859.144 million and future year commitments of \$4.180 billion comprised of the following:
  - a) New Cash Flow Funds for:
    - i. 248 new / change in scope sub-projects with a 2017 total project cost of \$1.989 billion that requires cash flow reduction of \$143.338 million in 2017 and future year cash flow commitments of \$413.187 million for 2018; \$365.790 million for 2019; \$334.438 million for 2020; \$197.786 million for 2021; \$179.385 million for 2022; \$187.358 million for 2023; \$188.793 million in 2024; and \$93.968 million in 2025;
    - ii. 328 previously approved sub-projects with a 2017 cash flow of \$872.903 million; and future year cash flow commitments of \$598.830 million for 2018; \$446.006 million for 2019; \$281.852 million for 2020; \$244.975 million for 2021; \$178.369 million for 2022; \$133.333 million for 2023; \$108.576 million in 2024; and \$55.630 million in 2025;
  - b) 2016 approved cash flow for 178 previously approved sub-projects with carry forward funding from 2016 into 2017 totalling \$129.579 million.
2. City Council approve the 2018 - 2026 Recommended Capital Plan for Toronto Water totalling \$7.170 billion in project estimates, comprised of \$175.137 million for 2018; \$500.086 million for 2019; \$693.984 million for 2020; \$781.039 million for 2021; \$846.095 million for 2022; \$910.094 million for 2023; \$996.937 million for 2024; \$1.125 billion for 2025 and \$1.142 billion in 2026.
3. City Council consider the operating costs/(savings) of (\$0.114) million net in 2017; \$3.233 million net in 2018; \$3.631 million net in 2019; \$0.483 million net in 2020; \$0.385 million net in 2021; \$1.038 million net in 2022; ; \$1.038 million net in 2022; \$0.050 million net in 2023; and \$1.0 million net in 2024, resulting from the approval of the 2017 Capital Budget for inclusion in the 2017 and future year operating budgets.
4. All sub-projects with third party financing be approved conditionally, subject to the receipt of such financing in 2017 and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.
5. City Council request the Deputy City Manager and Chief Financial Officer in consultation with the General Manager, Toronto Water to advance the 2018 cashflow for the Basement Flooding projects into 2017, should it become evident that greater than planned volume of work can be completed, and that the 2018– 2026 budgeted cash flows be adjusted accordingly as part of the 2018 Budget process.
6. This report be considered concurrently with the 2017 Water and Wastewater Consumption Rates and Service Fees Report from the Deputy City Manager and Chief Financial Officer and General Manager for Toronto Water Any other Program specific recommendations.

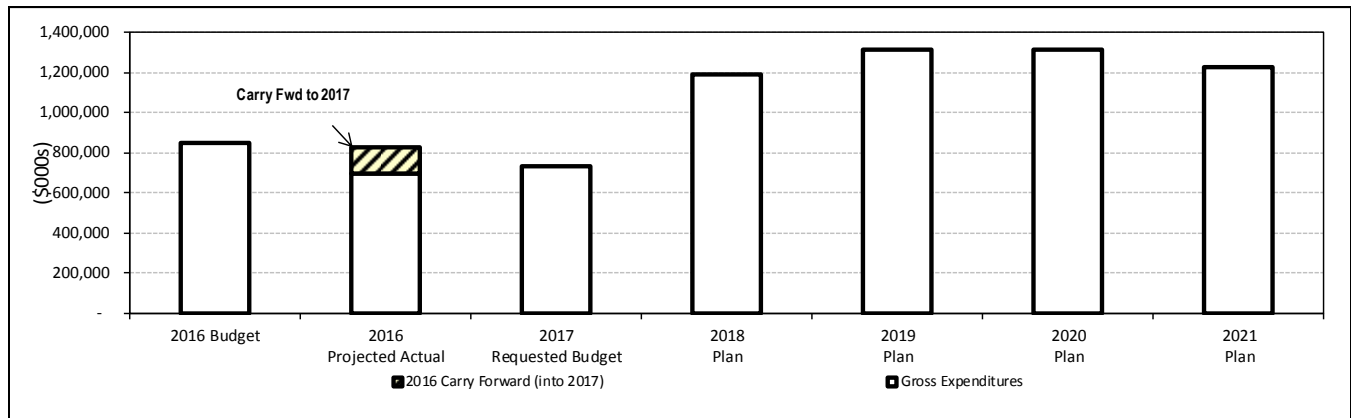


# Part 1:

## Recommended 10-Year Capital Plan

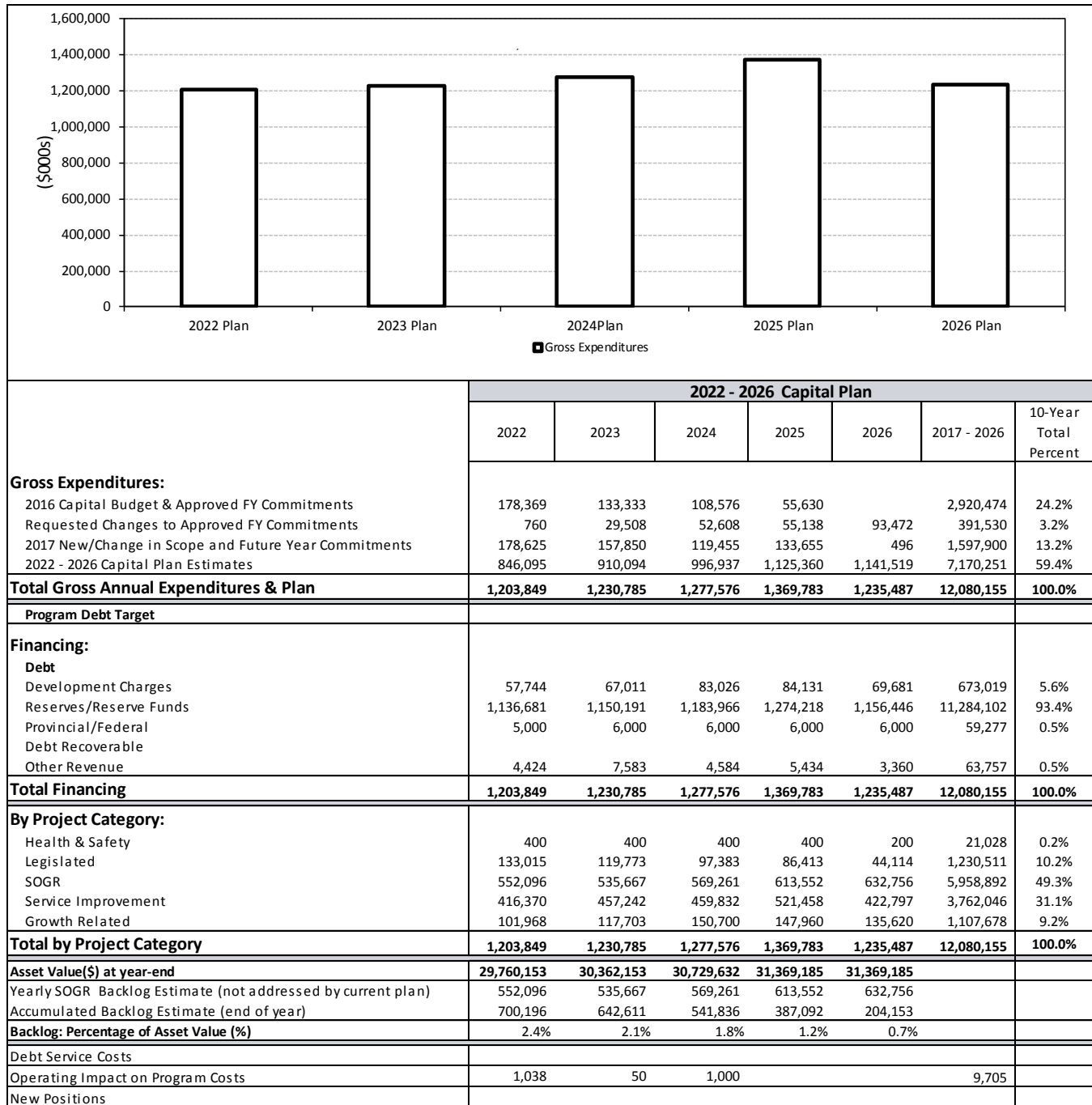
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**Figure 1a  
10-Year Capital Plan  
2017 Recommended Capital Budget and 2018 - 2021 Recommended Capital Plan**



	2017 Capital Budget and 2018 - 2021 Capital Plan								5-Year Total Percent
	2016		2017	2018	2019	2020	2021	2017 - 2021	
	Budget	Projected Actual							
<b>Gross Expenditures:</b>									
2016 Capital Budget & Approved FY Commitments	851,652	695,944	872,903	598,830	446,006	281,852	244,975	2,444,566	42.4%
Requested Changes to Approved FY Commitments			(261,818)	195,012	115,914	85,578	25,358	160,044	2.8%
2017 New/Change in Scope and Future Year Commitments			118,480	218,175	249,876	248,860	172,428	1,007,819	17.5%
2017- 2020 Capital Plan Estimates				175,137	500,086	693,984	781,039	2,150,246	37.3%
2-Year Carry Forward for Reapproval									
1-Year Carry Forward to 2017		129,579							
<b>Total Gross Annual Expenditures &amp; Plan</b>	<b>851,652</b>	<b>825,523</b>	<b>729,565</b>	<b>1,187,154</b>	<b>1,311,882</b>	<b>1,310,274</b>	<b>1,223,800</b>	<b>5,762,675</b>	<b>100.0%</b>
<b>Program Debt Target</b>									
<b>Financing:</b>									
<b>Debt</b>									
Development Charges			39,026	73,083	76,061	70,594	52,662	311,426	5.4%
Reserves/Reserve Funds			674,240	1,099,934	1,220,875	1,228,401	1,159,150	5,382,600	93.4%
Provincial/Federal			11,277	4,000	5,000	5,000	5,000	30,277	0.5%
Debt Recoverable									
Other Revenue			5,022	10,137	9,946	6,279	6,988	38,372	0.7%
<b>Total Financing</b>			<b>729,565</b>	<b>1,187,154</b>	<b>1,311,882</b>	<b>1,310,274</b>	<b>1,223,800</b>	<b>5,762,675</b>	<b>100.0%</b>
<b>By Project Category:</b>									
Health & Safety			3,863	8,255	5,466	1,221	423	19,228	0.3%
Legislated			57,253	165,679	196,076	198,224	132,581	749,813	13.0%
SOGR			480,562	666,329	674,434	631,754	602,481	3,055,560	53.0%
Service Improvement			120,944	240,508	331,837	387,244	403,814	1,484,347	25.8%
Growth Related			66,943	106,383	104,069	91,831	84,501	453,727	7.9%
<b>Total by Project Category</b>			<b>729,565</b>	<b>1,187,154</b>	<b>1,311,882</b>	<b>1,310,274</b>	<b>1,223,800</b>	<b>5,762,675</b>	<b>100.0%</b>
<b>Asset Value (\$) at year-end</b>	<b>28,414,911</b>		<b>28,497,886</b>	<b>28,763,798</b>	<b>29,230,954</b>	<b>29,418,680</b>	<b>28,763,798</b>		
Yearly SOGR Backlog Estimate (not addressed by current plan)			551,398	202,704	201,248	201,248	155,299	1,311,897	
Accumulated Backlog Estimate (end of year)			1,396,791	934,320	934,320	830,186	750,265	4,845,882	
<b>Backlog: Percentage of Asset Value (%)</b>			<b>4.9%</b>	<b>3.2%</b>	<b>3.2%</b>	<b>2.8%</b>	<b>2.6%</b>		
<b>Debt Service Costs</b>									
Operating Impact on Program Costs			(114)	3,233	3,631	483	385	7,617	
New Positions			3	10	1				

**Table 1b  
10-Year Capital Plan  
2022 - 2026 Recommended Capital Plan**

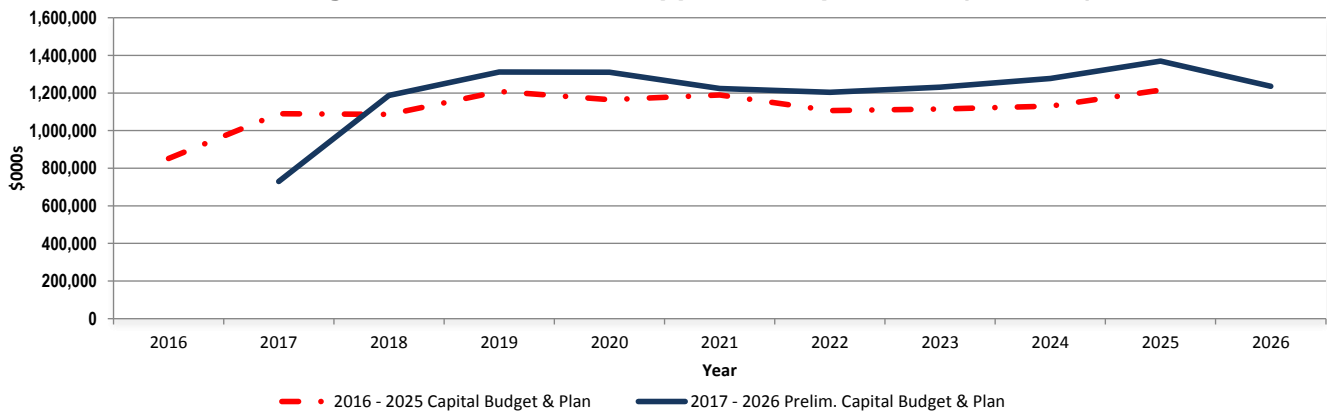


### Key Changes to the 2017 - 2025 Approved Capital Plan

The 2017 Recommended Capital Budget and the 2018 – 2026 Recommended Capital Plan reflects an increase of \$923.308 million in capital funding from the 2016 - 2025 Approved Capital Plan.

The table and chart below provide a breakdown of the \$923.308 million or 8.3% increase in the Capital Program on an annual basis from 2016 to 2026.

**Chart 1**  
**Changes to the 2016 - 2025 Approved Capital Plan (In \$000s)**



(\$000s)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10-Year Total
2016 - 2025 Capital Budget & Plan	851,652	1,090,037	1,085,903	1,208,050	1,164,159	1,189,890	1,106,964	1,114,970	1,129,835	1,215,387		11,156,847
2017 - 2026 Prelim. Capital Budget & Plan		729,565	1,187,154	1,311,882	1,310,274	1,223,800	1,203,849	1,230,785	1,277,576	1,369,783	1,235,487	12,080,155
Change %		-33.1%	9.3%	8.6%	12.6%	2.8%	8.8%	10.4%	13.1%	12.7%		8.3%
Change \$		-360,472	101,251	103,832	146,115	33,910	96,885	115,815	147,741	154,396		923,308

As made evident in the chart above, the \$923.308 million increase in the Capital Program reflects an increase of \$383.835 million in various capital projects in the outer years of the 10-Year Capital Plan. The remaining \$539.473 million represents an increase in capital funding over the nine common years of the Capital Plans (2017-2025), as reflected in Table 2 on the following page. This increase arises from the reprioritization of Toronto Water's capital projects based on the following factors:

- In order to accommodate escalating construction prices, Toronto Water has modified the infrastructure renewal strategy for sewer infrastructure, directing efforts towards trenchless rehabilitation rather than replacement of sewer infrastructure.
- The 10-Year Capital Program was also aligned with available funding as calculated by the Water and Wastewater Rate Model to utilize available funds and to ensure positive reserve balances during major capital spending years.
- Changes have also been made based on updated schedules for coordinated and sequenced delivery of the projects requiring large capital funding, as well as new condition assessments.
- The need to realign Toronto Water 2017 Capital Budget with historical spending rates and ability to deliver future year projects.

A summary of requested project changes for the years 2017 to 2025 totaling \$539.473 million is provided in Table 2 below:



**Table 2  
Summary of Project Changes (In \$000s)**

\$000s	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2017 - 2025 Total
2016 - 2025 Capital Budget & Plan	851,652	1,090,037	1,085,903	1,208,050	1,164,159	1,189,890	1,106,964	1,114,970	1,129,835	1,215,387		10,305,195
2017 - 2025 Capital Budget & Plan		729,565	1,187,154	1,311,882	1,310,274	1,223,800	1,203,849	1,230,785	1,277,576	1,369,783	1,235,487	10,844,668
<b>Capital Budget &amp; Plan Changes (2017 - 2025)</b>		<b>(360,472)</b>	<b>101,251</b>	<b>103,832</b>	<b>146,115</b>	<b>33,910</b>	<b>96,885</b>	<b>115,815</b>	<b>147,741</b>	<b>154,396</b>		<b>539,473</b>

	Total Project Cost	2017	2018	2019	2020	2021	2022	2023	2024	2025	2017 - 2025	2026	Revised Total Project Cost
<b>Previously Approved</b>													
<b>Water Treatment &amp; Supply</b>													
<i>FJ Horgan TP</i>		(1,175)	1,771	402	75		40				1,113	200	
<i>Island TP</i>		2,381	(3,499)	6,689	14,162	13,270	6,340	1,165	25		40,533	525	
<i>RL Clark TP</i>		(6,655)	2,315	9,828	4,444	110	85	50	50	50	10,277	200	
<i>RC Harris TP</i>		(8,066)	12,479	7,076	1,567	(487)	(9,900)	(10,500)	(500)	(1,050)	(9,381)	11,500	
<i>W/M Replacement</i>		(10,100)	(611)	8,343	19,646	2,235	(7)	73	40		19,619	114,000	
<i>Trunk Water Mains</i>		(13,224)	6,780	3,844	19,340	16,202	18,992	27,450	51,200	50,750	181,334	55,700	
<i>WT - Storage &amp; Treatment</i>		(35,374)	10,002	14,214	7,495	1,816	2,931	1,617	18,670	13,820	35,191	38,000	
<i>AMR</i>		(2,940)	1,180	(415)	(199)						(2,374)		
<i>Business &amp; Technology</i>		(5,414)	4,436	1,729	2,344	897	350	350			4,692	1,814	
<i>Watermain Rehabilitation</i>		12,357	9,748	9,803	7,555	2,475	1,777	280	(301)	267	43,961	70,510	
<i>Watermain Service Replacement</i>		(7,826)	8,914	14,008	7,370	6,980	8,735	11,830	11,665	11,165	72,841	44,000	
<i>Pumping Stations</i>		(7,569)	3,157	(737)	1,925	3,231	1,290	3,048			4,345	2,050	
<i>Water Efficiency Plan</i>												520	
<b>Subtotal</b>		<b>(83,606)</b>	<b>56,672</b>	<b>74,784</b>	<b>85,724</b>	<b>46,729</b>	<b>30,633</b>	<b>35,363</b>	<b>80,849</b>	<b>75,002</b>	<b>402,150</b>	<b>339,019</b>	
<b>Wastewater Collection &amp; Treatment &amp; Stormwater Management</b>													
<i>Ashbridges Bay TP</i>		(112,619)	54,139	40,856	35,562	281	(800)	48,996	34,768	45,588	146,771	123,923	
<i>Highland Creek TP</i>		(36,646)	(5,433)	(30,654)	(32,159)	(50,272)	3,314	45,000	36,300	20,450	(50,100)	34,850	
<i>Humber TP</i>		(23,074)	5,683	(565)	6,067	(13,462)	23,045	(3,669)	(7,575)	(2,331)	(15,881)	36,500	
<i>Sewer Replacement</i>		(13,308)	(18,867)	(23,352)	(22,476)	(28,084)	(30,000)	(30,000)	(30,000)	(30,000)	(226,087)	15,000	
<i>Trunk Sewers &amp; Pumping Stations</i>		(13,124)	16,295	907	4,092	10,465	16,938	9,219	25,387	37,548	107,727	83,088	
<i>Basement Flooding</i>		(61,968)	(70,660)	(58,814)	(41,606)	(23,759)	(9,090)	6,560	6,560	14,806	(237,971)	195,044	
<i>WTP-Plantwide</i>		10	(551)	1,114	5,896	21,180	4,293	10,170	(5,480)	23,885	60,517	34,200	
<i>WWF-Implementation Projects</i>		(21,895)	17,376	66,487	76,395	58,134	55,609	(6,896)	(3,667)	(21,060)	220,483	131,450	
<i>WWF-TRCA</i>		(385)	600	350							565	16,339	
<i>Yards &amp; Facility</i>		587	1,786	650	1,650	50	(350)	(350)	(850)	(24,650)	(21,477)	22,990	
<i>Sewer rehabilitation</i>		5,802	2,791	9,736	1,386	2,250	2,150	300	1,350	1,100	26,865	61,236	
<i>WWF - Stream Restoration</i>		(4,777)	(4,791)	(465)	9,960	10,395	(3,615)	(3,115)	2,290	3,275	9,157	15,280	
<b>Subtotal</b>		<b>(281,397)</b>	<b>(1,632)</b>	<b>6,250</b>	<b>44,767</b>	<b>(12,822)</b>	<b>61,494</b>	<b>76,215</b>	<b>59,083</b>	<b>68,611</b>	<b>20,569</b>	<b>769,900</b>	
<b>Linear Eng</b>		(2,924)	18,052	10,002	1,035	(423)	4,499	4,150	2,900	3,056	40,347	81,568	
<b>New Connections</b>		8,000	22,599	8,746	8,589	8,426	8,259	8,087	7,909	7,727	88,342	36,000	
<b>New Sewers</b>		(545)	5,560	4,050	6,000	(8,000)	(8,000)	(8,000)	(3,000)	-	(11,935)	9,000	
<b>Total Previously Approved</b>		<b>(360,472)</b>	<b>101,251</b>	<b>103,832</b>	<b>146,115</b>	<b>33,910</b>	<b>96,885</b>	<b>115,815</b>	<b>147,741</b>	<b>154,396</b>	<b>539,473</b>	<b>1,235,487</b>	
<b>New</b>		-	-	-	-	-	-	-	-	-	-	-	
<b>Total New</b>		-	-	-	-	-	-	-	-	-	-	-	
<b>Total Changes</b>		<b>(360,472)</b>	<b>101,251</b>	<b>103,832</b>	<b>146,115</b>	<b>33,910</b>	<b>96,885</b>	<b>115,815</b>	<b>147,741</b>	<b>154,396</b>	<b>539,473</b>	<b>1,235,487</b>	

**Significant Capital Project Changes in Toronto Water:**

Cash flow funding for the following previously approved capital projects have been adjusted based on historical spending rates, and expected progress and completion schedules of the projects, as outlined below:

**Increases in Previously Approved Projects**

The following Toronto Water capital projects have been allocated increased funding:

- The *Island Water Treatment Plant project* requires an increase of \$40.533 million or 102%, from \$39.589 million in capital funding during the nine common years of the 2016 – 2025 Approved Capital Plan to upgrade the power supply to the plant to support planned facility upgrades and reflect a revised estimate for the Residuals Management Facility – Dewatering project.
- An increase of \$60.517 million or 37% from \$164.445 million is required to fund *Water Treatment* capital projects *plantwide* for construction of UV Disinfection facilities at each of the water treatment plants. Preliminary cost estimates have been revised upon the completion of conceptual design that factors in space constraints within each of the facilities.
- The *Watermain Rehabilitation* project has been allocated additional funding of \$43.961 million or 7%, from \$610.930 million to reflect expanded use of trenchless rehabilitation for infrastructure renewal.
- The *Watermain Replacement* project has increased funding of \$19.619 million or 2%, from \$1.005 billion to reflect increases within unit rates for linear infrastructure replacement.

- The *Water Service Replacement* project has increased funding of \$72.841 million or 22%, from \$324.598 million to align with an expanded watermain rehabilitation program and increases within unit rates for linear infrastructure replacement.
- Additional funding of \$35.191 million or 15% from \$234.143 million is necessary to accommodate the *Water Treatment & Storage* projects including a 4th phase for Indoor and Outdoor Switchgear upgrades at six pumping stations that are reaching the end of their service life, and for revised cost estimate for reservoir rehabilitation projects based on detailed design.
- Funding for the Trunk Watermain projects has been increased by \$181.334 million or 97%, from \$186.956 million to reflect updates to unit rates for linear infrastructure projects and accelerated delivery of a cast iron transmission watermain program.
- Additional funding of \$26.865 million or 5% from \$517.070 has been allocated for the *Sewer System Rehabilitation projects* to reflect expanded use of trenchless rehabilitation for infrastructure renewal.
- *The Ashbridges Bay Wastewater Treatment Plant project costs* have increased by \$164.771 million or 9% from \$ 1.576 billion to reflect updated cost estimates based on progression of pre-design or detailed design for the following projects: D building Phase 2 upgrades, Disinfection System Construction, Integrated Pumping Station construction and Waste Activated Sludge Construction.
- The *Wet Weather Flow Stream Restoration and Implementation projects* have been allocated increased funding of \$220.483 million or 26% from \$858.7 million to amend the design of the first phase of the Don and Central Waterfront project to improve hydraulic performance, and reduce construction impact through the bundling of construction projects including the construction of an offline storage tank and connection points to the Coxwell trunk sewer.
- The funding allocation for *Trunk Sewers & Sewage Pumping Station projects* have increases by \$107.727 million or 29%, from \$369.617 million to reflect updates to unit rates for linear infrastructure projects.
- Funding for *New Service Connection projects* has been increased by \$88.342 million or 38% from \$233.858 million to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments.
- Increased funding totalling \$58.561 has been allocated to a number of other projects including the *Business and Technology Improvements, Transmission Pumping Stations, New Sewers, RL Clark Water Treatment Plant projects* and *Linear Infrastructure Engineering projects*.

#### **Deferral/ Reductions in Previously Approved Capital Projects:**

Significant reductions in capital expenditures have been made due to the escalation in unit rate prices for linear infrastructure replacement, as well as the anticipated continuing decline in water consumption which has resulted in a need to defer/delay a number of capital projects over the 10 year planning horizon as follows:

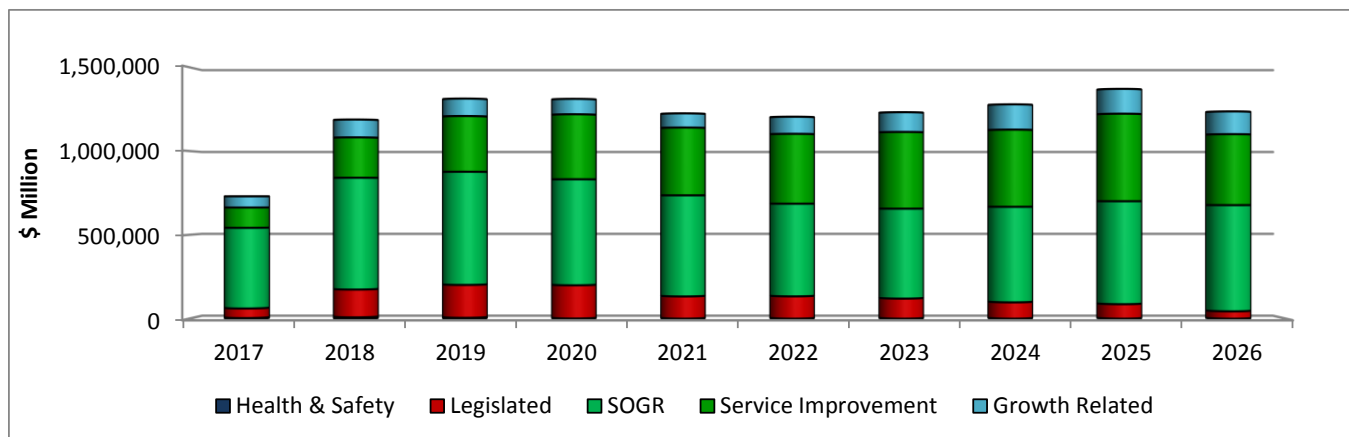
- Funding totalling \$ 9.381 million has been updated to reflect lower costs for RC Harris Water Treatment Plant projects, representing a decrease of 11%, from \$83.579 million delaying the implementation of the Filter Rehabilitation project pending the completion of a Filter Pilot project.
- *Sewer System Replacement costs* have been decreased by \$226.087 million or 60% from \$370.081 million to allocate additional funding to sewer rehabilitation through the use of trenchless technologies due to escalation of replacement unit rates, as well as results from sewer inspections that allow for the use of trenchless technologies for infrastructure renewal.
- Some of the *Basement Flooding* projects have been deferred or reduced by \$239.971 million or 15% from \$1.570 billion in the realignment of program delivery, and to undertake additional flow monitoring, modelling and design to ensure the construct-ability of proposed projects.

- The funding allocation for Highland Creek and Humber Wastewater Treatment Plants have been reduced by a total of \$65.981 million or 7%, from \$916.061 million due to favourable bid prices for the Humber Treatment Plant Secondary Treatment Upgrade (South) project.
- *Yards and Facility projects* have been decreased by \$21.477 million or 45% from \$47.225 million due to a deferral of the Lab & EMP Facilities project.

Over the 2017-2026 planning period, there are also cashflow realignments for a variety of other projects, which reflect more updated schedules for implementation and realignment of projects between different program areas.

**2017 – 2026 Recommended Capital Plan**

**Chart 2  
2017 – 2026 Recommended Capital Plan by Project Category (In \$000s)**



As illustrated in the chart above, the 10-Year Recommended Capital Plan for Toronto Water of \$12.080 billion predominantly provides funding for State of Good Repair (SOGR) projects (including Health and Safety and Legislated projects), which represent 59.7% of total funding over the 10-year period. Service Improvement and Growth Related Projects account for the remaining funding allocations of 31.1% and 9.2% respectively.

- Health and Safety projects represent approximately 0.2% or \$23.844 million. Funding is allocated mostly within the first 5 years of the 10-Year Capital Plan period in order to improve the safety and upgrade electrical systems at Ashbridges Bay, Humber and North Toronto wastewater treatment plants.
- Legislated projects account for 10.2% or \$1.230 billion of total funding. These projects are required to comply with existing and emerging provincial and federal legislation. Funding for Legislative projects is expected to increase in future years as regulations governing water supply and wastewater treatment continue to become more stringent.
- State of Good Repair projects continue at stable levels with an average annual investment of about \$596 million over the 10 year period in order to ensure the continued reduction of Toronto Water's infrastructure renewal backlog estimated at \$1.552 billion at the end of 2016.
- Service Improvement projects represent approximately 31% or \$3.762 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$120.944 million in 2017 to \$521.458 million in 2025 and \$422.797 million in 2026.
- Growth Related projects constitute about 9% or \$1.108 billion of the total. Funding for anticipated growth projects such as new and enhanced watermains and service connections is consistent over the 10-Year Capital Plan period, averaging \$35.820 million per year. However, funding for planned significant standalone projects will vary from year to year based on growth requirements.



## 2017 – 2026 Capital Projects

The Recommended 10-Year Capital Plan supports Toronto Water's objectives by balancing infrastructure renewal needs for State of Good Repair with new Service Improvement projects, while providing the capacity to keep pace with population growth, and ensuring the delivery of water supply and wastewater treatment within an increasingly stringent regulatory framework.

In addition to the state of good repair projects, considerable funding is provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding and growth related projects, some of which is recovered from Development Charges. Additional financial pressures arising from updated cost estimates for engineering services for the Ashbridges Bay Wastewater Treatment Plant upgrades and the addition of the Wet Weather Flow Stream Restoration and Implementation Projects are also accommodated with the Plan.

### *State of Good Repair (SOGR), Health & Safety, and Legislated projects*

- The on-going state of good repair projects for linear infrastructure renewal to ensure the replacement or rehabilitation of aging water mains and sewers, and investment in the City's aging wastewater treatment facilities, remains a primary focus of the 2017-2026 Recommended Capital Budget and Plan.
- The 10-Year Capital Plan incorporates an investment of approximately \$7.210 billion or 60% of the total funding of \$11.080 billion for new SOGR projects (including Health & Safety and Legislated projects projects of \$1.252 billion or 10%) over the next 10 years.
- The 2017-2026 Recommended Capital Budget and Plan includes funding of \$596.760 million or 5% of the total capital funding to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$76.041 million or 0.6% of the total is allocated to the legislated odour control projects at Highland Creek and Humber wastewater treatment plants.
- State of Good Repair funding included in the 10-Year Recommended Capital Plan is intended to address Toronto Water's SOGR backlog, estimated at \$1.552 billion by year-end 2016 and projected to be effectively eliminated by year-end 2026, if the current funding allocated to State of Good Repair projects is maintained over the next 10 years.
- However, due to significantly higher market rates for linear infrastructure currently returned through the bidding process, this estimate has to be regularly updated.
- It should be noted that Toronto Water is developing a strategy to implement harmonized asset management planning across its linear and vertical infrastructure in response to multiple pressures driving capital investments. The review is currently on-going, with recommendations for an implementation plan expected to be completed in early 2017.

### *Service Improvements*

- Service Improvement projects total \$3.762 million or 31% of total funding over the 10-year period, some of which is recovered from Development Charges.
- Approximately \$1.527 billion or 13% has been allocated to implement the Basement Flooding Protection projects in 67 chronic basement flooding areas across the City.
- Funding is also included for the implementation of other water quality improvement projects from the City's Wet Weather Flow Master Plan to reduce and ultimately eliminate the adverse impacts of polluted stormwater and combined sewer overflows (CSOs) that are discharged from outfalls to the City's watercourses and the waterfront. These projects will achieve a measurable improvement in ecosystem health of the City's watersheds and waterfront, and improved water quality along the City's waterfront beaches and include:
  - The Don River and Waterfront Trunk / Combined Sewer Outfall (CSO) project with allocated funding of \$847.625 million or 7% of the total.
  - The Stormwater Management End of Pipe Facilities projects totalling \$202.336 million or 2% of total capital funding which are intended to address most of the storm sewer discharges to the waterfront and all but 9 of the 69 combined sewer overflow discharges in the City.

- Approximately \$147.746 million or 1% is included in the 10-Year Capital Plan in funding contributions to the TRCA for stream restoration and erosion control projects.
- Another \$303.650 million or 3% has been allocated to the Highland Creek Waste Water Treatment Plant upgrades and biosolids and gas handling projects implementation.

#### *Growth Related*

- Growth Related projects account for \$1.108 billion or 9% of the 10-Year Capital Plan's funding allocation.
- The largest projects in this category are the Trunk Watermain Expansion and Upgrade projects that will increase the hydraulic capacity in the Toronto Water supply system. Many of these projects are cost shared with the Region of York.
- The 2017-2026 Recommended Capital Budget and Plan allocates funding for the New Sewer Construction (\$70.555 million) and Trunk Sewer and Pumping Station projects (\$188.786 million), as well as New Service Connections (\$358.2 million) and Trunk Watermains (\$224.010 million) to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments.

### **2017 Capital Budget and Future Year Commitments**

Included as a sub-set of the 10-Year Capital Plan is the 2017 Recommended Capital Budget and Future Year Commitments, that consists of 2017 and future year cash flow for projects previously approved by Council; adjustments (Scope Change) to those previously approved projects; as well as new projects that collectively require Council approval to begin, continue or complete capital work.

- Approval of the 2017 Recommended Capital Budget of \$859.144 million will result in the future year funding commitments of \$1.003 billion in 2018, \$804.280 million in 2019, \$613.183 million in 2020, \$442.207 million in 2021, \$357.152 million in 2022; \$320.102 million in 2023, \$280.504 million in 2024, \$244.273 million in 2025, and \$93.848 million in 2026, for a total of \$4.180 billion.
- Table 3a below lists the 2017 Recommended Capital Budget and Future Year Commitments for Toronto Water that will be approved through the 2017 Capital Budget process:

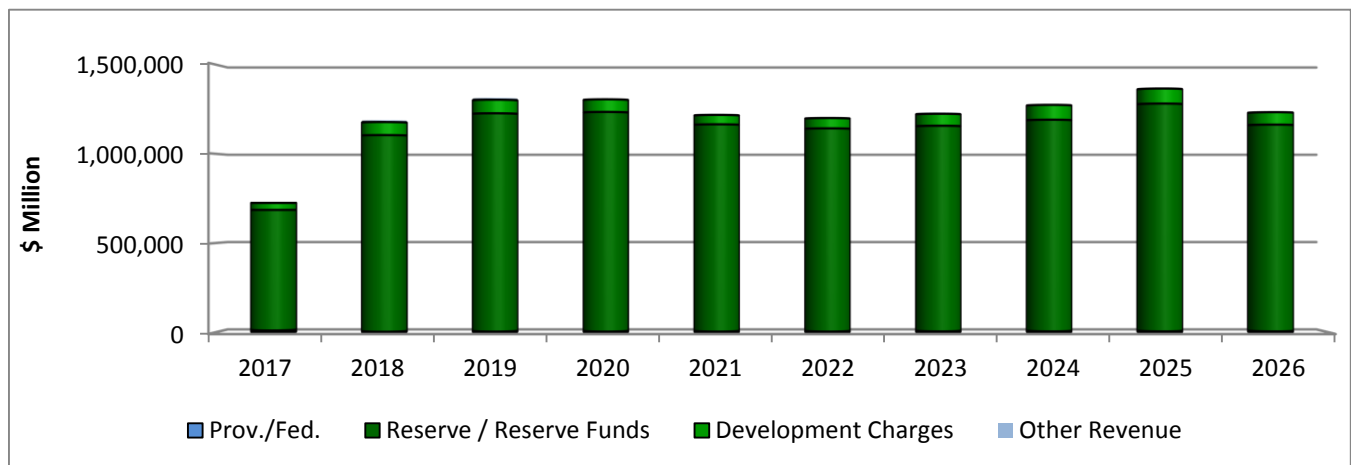
**Table 3a**  
**2017 Cash Flow & Future Year Commitments (In \$000s)**

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total 2017 Cash Flow & FY Commits
<b>Expenditures:</b>											
Previously Approved											
Water Meter Program (AMR)	8,314	2,000	915	545							11,774
Basement Flooding	108,557	82,119	84,532	64,893	58,430	60,030	36,730	15,509	10		510,810
Business & Technology	17,920	13,831	14,691	9,624	574	110					56,750
Linear Eng	48,534	42,380	32,434	25,363	10,121	1,000	500	500	500		161,332
New Connections	27,000	7,500									34,500
New Sewers	8,190	7,680	10,180		8,000	8,000	8,000	8,000	8,000		66,050
Sewer Rehabilitation	44,033	18,831									62,864
Sewer Replacement	16,610	6,692	1,786								25,088
WM Rehabilitation	62,742	15,079	15	2							77,838
WM Replacement	48,357	26,085	7,318	44	71	40					81,915
Water Service Replacement	43,583	10,736	2								54,321
Pumping Stations	15,147	19,550	22,365	7,278	4,278	3,100	50	50			71,818
Trunk Water Mains	28,957	7,004	539	290	200						36,990
WT - Storage & Treatment	63,074	30,225	11,146	1,831	26						106,302
Trunk Sewers & Pumping Stations	44,616	27,490	13,681	279	10						86,076
Ashbridges Bay TP	147,223	85,839	107,090	81,910	83,213	78,378	51,908	45,779	35,000		716,340
Highland Creek TP	72,166	54,311	42,710	17,968	15,795	4,385	3,450	6,380	5,000		222,165
Humber TP	84,715	57,849	54,421	48,498	47,991	4,850	10,894	2,150			311,368
RL Clark TP	17,870	13,275	1,474	60							32,679
RC Harris TP	20,113	8,406	780	750	200						30,249
FJ Horgan TP	6,619	3,778	2,078	162	20	9					12,666
Island TP	13,496	15,776	3,462	3,910	1,580	10	10				38,244
WTP-Plantwide	1,190	600	1,200	1,400	800	1,000	500	100			6,790
Water Efficiency Plan	520										520
WWF-Implementation Projects	37,838	27,875	21,657	12,345	11,416	14,307	18,191	27,088	6,600		177,317
WWF-TRCA	1,470	400									1,870
WWF - Stream Restoration	10,763	12,210	11,530	4,700	2,250	3,150	3,100	3,020	520		51,243
Yards & Facility	2,865	1,309									4,174
<b>Subtotal</b>	<b>1,002,482</b>	<b>598,830</b>	<b>446,006</b>	<b>281,852</b>	<b>244,975</b>	<b>178,369</b>	<b>133,333</b>	<b>108,576</b>	<b>55,630</b>		<b>3,050,053</b>
<b>Change in Scope</b>											
Water Meter Program (AMR)	(2,940)	1,180	(415)	(199)							(2,374)
Basement Flooding	(57,047)	(36,920)	(42,597)	(15,761)	240	(9,130)	13,308	36,421	27,956	100	(83,430)
Business & Technology	(6,394)	2,456	1,499	2,324	677	350	350				1,262
Linear Eng	25,598	19,342	11,507	800	(658)	3,864	2,989	1,339	795	3,139	68,715
New Connections	8,000	27,700									35,700
New Sewers	(545)	5,560	2,050	5,000	(8,000)	(8,000)	(8,000)	(8,000)	(8,000)		(27,935)
Sewer Rehabilitation	19,852	37,491	24,236	1,736	1,700	1,700	150				86,865
Sewer Replacement	(1,956)	4,820	175	1,916	1,916						6,871
WM Rehabilitation	15,022	57,087	24,575	9,575	4,575	450	30	27			111,341
WM Replacement	(13,618)	(1,398)	5,859	8,687	1,423	(40)					913
Water Service Replacement	(14,826)	17,074	11,448	2,200							15,896
Pumping Stations	(7,569)	3,157	(737)	2,925	3,231	1,290	3,048				5,345
Trunk Water Mains	(12,174)	5,830	3,894	2,090	52	92					(216)
WT - Storage & Treatment	(35,444)	8,912	21,484	10,495	3,056	31	17				8,551
Trunk Sewers & Pumping Stations	(14,499)	17,835	7,102	1,833	29						12,300
Ashbridges Bay TP	(70,579)	20,684	16,096	6,362	17,331	(14,600)	19,346	24,293	33,813	77,883	130,629
Highland Creek TP	(36,647)	(4,183)	9,096	19,591	5,478	2,064	1,750	1,050	200	11,950	10,349
Humber TP	(23,074)	7,943	(3,140)	(6,653)	(22,492)	15,070	(244)	150	394		(32,046)
RL Clark TP	(6,655)	2,315	9,778	4,394	60	35					9,927
RC Harris TP	(6,866)	14,929	5,926	17	13	150					14,169
FJ Horgan TP	(1,175)	1,971	402	75	-	40					1,313
Island TP	2,381	(3,499)	6,689	14,162	13,270	6,190	65	25			39,283
WTP-Plantwide	(640)	425	(475)	(550)	(375)	(500)	275	350	500	400	(590)
Water Efficiency Plan	-	520	520	35							1,075
WWF-Implementation Projects	(23,213)	(5,689)	11,014	19,015	5,624	4,854	(476)	(27)			11,102
WWF-TRCA	11,890	600	350								12,840
WWF - Stream Restoration	(7,912)	(11,921)	(11,530)	(4,700)	(2,250)	(3,150)	(3,100)	(3,020)	(520)		(48,103)
Yards & Facility	(788)	791	1,108	209	458						1,778
<b>Subtotal</b>	<b>(261,818)</b>	<b>195,012</b>	<b>115,914</b>	<b>85,578</b>	<b>25,358</b>	<b>760</b>	<b>29,508</b>	<b>52,608</b>	<b>55,138</b>	<b>93,472</b>	<b>391,530</b>

**Table 3a**  
**2017 Cash Flow & Future Year Commitments (In \$000s) - Continued**

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total 2017 Cash Flow & FY Commits
New w/Future Year											
Basement Flooding	20,337	50,070	74,190	79,247	90,700	116,901	129,753	115,600	132,552		809,350
Business & Technology	980	1,980	430	220	220						3,830
Linear Eng	410										410
Sewer Replacement	4,898	2,047	1,257								8,202
WM Replacement	62,441	20,459	9,612	1,398	812	33	73	40			94,868
Water Service Replacement	11,000	8,000	4,000								23,000
Trunk Water Mains	2,000	12,000	12,000	8,000							34,000
WT - Storage & Treatment	700	650	900	1,650	850	850	1,250	1,000	700	350	8,900
Trunk Sewers & Pumping Stations	1,375	2,860	12,405	29,504	29,906	20,083	7,089	850	33	26	104,131
Ashbridges Bay TP	3,410	103,195	122,000	101,240	33,050	30,000	18,000	1,575	75		412,545
Highland Creek TP	1										1
Humber TP	1,000	1,500	1,000	8,750	8,750	8,000					29,000
WTP-Plantwide	1,100	2,569	1,704	2,121	1,425	598	150	80			9,747
WWF-Implementation Projects	4,318	3,690	2,363	10,670	2,800	125	50				24,016
WWF - Stream Restoration	3,135	7,030	7,015	4,060	3,515	2,035	1,485	310	295	120	29,000
Yards & Facility	1,375	2,125	1,000	2,000	400						6,900
<b>Subtotal</b>	<b>118,480</b>	<b>218,175</b>	<b>249,876</b>	<b>248,860</b>	<b>172,428</b>	<b>178,625</b>	<b>157,850</b>	<b>119,455</b>	<b>133,655</b>	<b>496</b>	<b>1,597,900</b>
<b>Total Expenditure</b>	<b>859,144</b>	<b>1,012,017</b>	<b>811,796</b>	<b>616,290</b>	<b>442,761</b>	<b>357,754</b>	<b>320,691</b>	<b>280,639</b>	<b>244,423</b>	<b>93,968</b>	<b>5,039,483</b>
<b>Financing:</b>											
Provincial/Federal Funding	11,277										11,277
Reserves/Res Funds	797,841	945,520	756,371	579,726	432,489	350,746	316,428	277,526	243,387	93,797	4,793,831
Development Charges	44,269	57,035	47,909	33,457	9,718	6,406	3,674	2,978	886	51	206,383
Other	5,757	9,462	7,516	3,107	554	602	589	135	150	120	27,992
<b>Total Financing</b>	<b>859,144</b>	<b>1,012,017</b>	<b>811,796</b>	<b>616,290</b>	<b>442,761</b>	<b>357,754</b>	<b>320,691</b>	<b>280,639</b>	<b>244,423</b>	<b>93,968</b>	<b>5,039,483</b>

**Chart 3**  
**2017 – 2026 Recommended Capital Plan by Funding Source (In \$000s)**



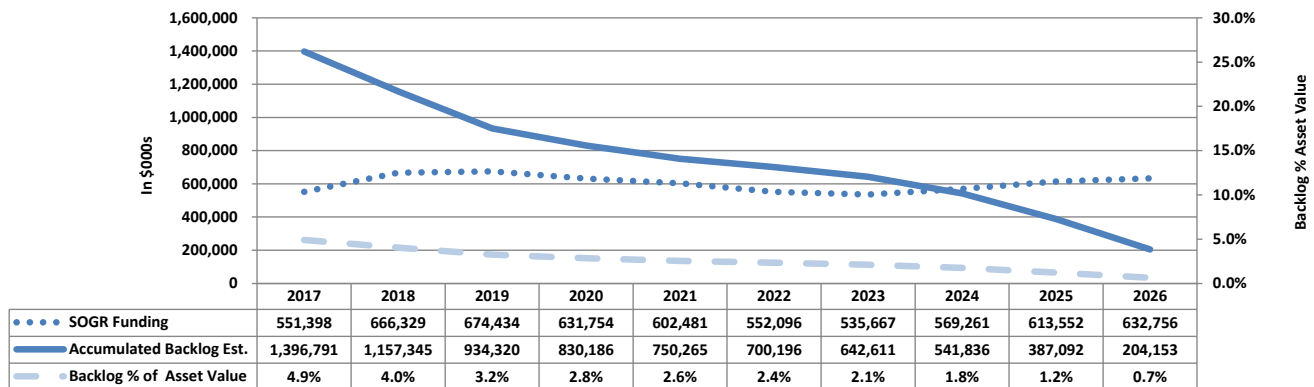
- Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% funded and does not require debenture financing.
- The 10-Year Recommended Capital Plan of \$12.080 billion will be funded primarily from the Program's reserves, representing approximately 93% or \$11.284 billion of total capital financing.
  - Capital funding from Toronto Water reserves increases from \$674.240 million in 2017 to \$1.156 billion in 2026. This increase in reserve funding coincides with the implementation schedules for large capital projects such as the Ashbridges Bay Waste Water Treatment Plant disinfection and outfall construction projects, the Highland Creek Biosolids project and Basement Flooding Protection projects.
  - The 10-Year Capital Plan is based on planned water rate increases of 5% (2017 and 2018), and 3% thereafter.



- Development Charges (DC) provide approximately 6% or \$673.019 million of financing included the 10-Year Capital Plan. The use of Development Charge funding has been maximized based on project eligibility resulting in an increase in funding of \$123.519 million over the 2016 – 2025 Approved Capital Plan's estimates. This increase in development charge funding will assist Toronto Water in maintaining a positive reserve balance, while accommodating increased capital funding needs.
- Other financing sources include funding of \$63.757 million from Region of York for cost sharing projects and Federal/Provincial Grant funding of \$59.277 million, totalling approximately 0.5% each in the total.

**State of Good Repair (SOGR) Backlog**

**Chart 4  
SOGR Funding & Backlog (In \$000s)**



- At the end of 2016, the replacement value of Toronto Water's assets was estimated at \$28.415 billion incorporating both linear (watermains, sewers) and facility/plant (water treatment plants, wastewater treatment plants, pumping stations) assets.
  - Linear infrastructure assets represent approximately 74% of the total asset value at \$21.132 billion.
  - Facility/plant assets account for the remaining 26% or \$7.282 billion.
- The 2016 year-end backlog of state of good repair work for linear and plant infrastructure renewal was projected at \$1.552 billion, representing 5.5% of the asset replacement value. Approximately 54% or \$0.837 billion of the backlog relates to linear infrastructure, with the remaining 46% or \$0.716 billion representing facilities.
- The linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates have been periodically updated to reflect changes in unit rates for replacement and changing condition of the asset.
- The 10-Year Capital Budget and Plan dedicates \$5.959 billion or \$596 million on average annually, to address state of good repair, which is anticipated to effectively eliminate the backlog by 2026.

**Table 4**  
**SOGR Backlog by Asset Category (In \$000s)**

Total	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
State of Good Repair Funding	551,398	666,329	674,434	631,754	602,481	552,096	535,667	569,261	613,552	632,756
Accumulated Backlog Est. (yr end)	1,396,791	1,157,345	934,320	830,186	750,265	700,196	642,611	541,836	387,092	204,153
Backlog %Asset Value	4.9%	4.0%	3.2%	2.8%	2.6%	2.4%	2.1%	1.8%	1.2%	0.7%
Asset Value	28,497,886	28,621,467	28,763,798	29,230,954	29,418,680	29,760,153	30,362,153	30,729,632	31,369,185	31,369,185
<b>Facilities/Plants</b>										
State of Good Repair Funding	193,080	263,487	282,844	236,150	214,512	176,754	163,863	171,871	198,169	229,469
Accumulated Backlog Est. (yr end)	664,129	542,176	400,866	306,250	233,273	198,053	175,724	145,387	88,753	818
Backlog %Asset Value	9.1%	7.4%	5.5%	4.0%	3.1%	2.5%	2.1%	1.7%	1.0%	0.0%
Asset Value	7,293,600	7,315,459	7,328,646	7,606,595	7,631,810	7,793,283	8,200,283	8,370,462	8,757,692	9,671,592
<b>Linear Infrastructure</b>										
State of Good Repair Funding	358,318	402,842	391,590	395,604	387,969	375,342	371,804	397,390	415,383	403,287
Accumulated Backlog Est. (yr end)	732,662	615,169	533,454	523,936	516,992	502,143	466,887	396,449	298,340	203,336
Backlog %Asset Value	3.5%	2.9%	2.5%	2.4%	2.4%	2.3%	2.1%	1.8%	1.3%	0.9%
Asset Value	21,204,286	21,306,008	21,435,152	21,624,359	21,786,870	21,966,870	22,161,870	22,359,170	22,611,493	22,818,537

- While both categories of assets have historically received funding for state of good repair projects, the accumulated backlog of projects for linear infrastructure has been addressed at a higher rate, resulting in a proportionally lower backlog representing 4.0 % of its replacement value at the end of 2016, compared to 9.8% for facilities.
- Additional condition assessments of infrastructure continue to be undertaken based on asset classes through discrete projects. The condition assessment of booster pumping stations and sewer pipes was completed in 2014 and has resulted in the addition of a pumping station rehabilitation plan to Toronto Water's 10 year Capital Plan in 2015. Condition assessments of sewage pumping stations continue to be undertaken on a prioritized basis and a facility condition assessment is being undertaken and is expected to be completed in 2018. New methods for inspection of pressurized pipe are being explored to assess condition of assets without taking the pipes out of service during the inspection.
- Toronto Water is also undertaking a review to define its requirements to develop an integrated Asset Management solution. This review is expected to be completed in early 2017. The integrated Asset Management solution should provide a plan for implementing harmonized asset management planning across Toronto Water's linear and vertical infrastructure in response to multiple pressures driving capital investment.
- It should be noted that continued trend of higher unit rates for linear infrastructure replacement projects may impact negatively on the state of good repair backlog for infrastructure renewal. Toronto Water is in a process of quantifying that impact in order to provide an updated information on the state of backlog projects.
- Escalating unit rates for linear infrastructure replacement, due to additional funding requirement for those projects, have already resulted in a deferral of some previously planned capital projects by 1 to 5 years, to align with the funding availability projected by the Water and Wastewater Rate Model. Toronto Water has also modified the infrastructure renewal strategy to expand the use of trenchless rehabilitation to reduce the state of good repair backlog.

10-Year Capital Plan: Net Operating Budget Impact

**Table 5**  
**Net Operating Impact Summary (In \$000s)**

Projects	2017 Budget		2018 Plan		2019 Plan		2020 Plan		2021 Plan		2017 - 2021		2017 - 2026	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
<b>Previously Approved</b>														
Ashbridges Bay WWTP - Ferrous Upgrades	180.0		(180.0)											
Ashbridges Bay WWTP - D Building Phase 2					165.0						165.0		165.0	
Basement Flooding Relief - Tunnel Project							100.0				100.0		100.0	
Basement Flooding Relief - Group 2			288.0	3.0							288.0	3.0	288.0	3.0
Highland Creek WWTP - Building Rehab & Improvements			32.0								32.0		32.0	
Laboratory Equipment (Warranty Expiry)	26.0		20.0		25.0		35.0		15.0		121.0		221.0	
Highland Creek WWTP - Odour Control					100.0						100.0		100.0	
Ashbridges Bay WWTP - Service Air Upgrades					50.0						50.0		50.0	
CCTV Inspection	85.0	1.0									85.0	1.0	85.0	1.0
Sewer Replacement Program - Waterfront Stormwater Infrastructure	101.9	1.0	320.0	3.0							421.9	4.0	421.9	4.0
Highland Creek WWTP - Process & Facility Upgrades					5.0						5.0		5.0	
Highland Creek WWTP - Communication Systems					10.0						10.0		10.0	
Humber Treatment WWTP - New Substation			104.0	1.0							104.0	1.0	104.0	1.0
Highland Creek WWTP - Solids & Gas Handling	52.0										52.0		52.0	
Ashbridges Bay WWTP - Liquid Treatment & Handling - Primary Treatment Upgrade			1,370.8	2.0							1,370.8	2.0	1,370.8	2.0
Ashbridges Bay WWTP - Liquid Treatment & Handling - Waste Activated Sludge Upgrade			360.0				(360.0)						700.0	
Ashbridges Bay WWTP - O & M Upgrades					161.0	1.0	(12.0)				149.0	1.0	149.0	1.0
Ashbridges Bay WWTP - Odour Control - Biofilters Upgrade			100.0								100.0		100.0	
Humber Treatment WWTP - Cogeneration	(703.1)	1.0									(703.1)	1.0	(703.1)	1.0
Water Quality Master Plan - Taste and Odour Control			760.0		3,000.0						3,760.0		3,760.0	
Island WTP - Chemical & Residuals Management	143.7		58.0	1.0							201.7	1.0	201.7	1.0
Water Treatment Plantwide - UV Disinfection								120.0			120.0		408.0	
<b>New Projects - Future Years</b>														
SWM End of Pipe Facilities - Etobicoke									50.0		50.0		50.0	
Wet Weather Flow Master Plan					115.0						115.0		115.0	
Ashbridges Bay WWTP - Disinfection Construction							720.0		200.0		920.0		920.0	
Ashbridges Bay WWTP - Liquid Treatment & Handling - Integrated Pumping Station													1,000.0	
<b>Total (Net)</b>	<b>(114.5)</b>	<b>3.0</b>	<b>3,232.8</b>	<b>10.0</b>	<b>3,631.0</b>	<b>1.0</b>	<b>483.0</b>		<b>385.0</b>		<b>7,617.3</b>	<b>14.0</b>	<b>9,705.3</b>	<b>14.0</b>

The 10-Year Recommended Capital Plan will increase future year Operating Budgets by a total of \$9.705 million net over the 2017 – 2026 period, as shown in the table above.

This is comprised of funding to sustain operating costs the following capital projects:

- *Year 2017:* An increase in operating costs for salaries, benefits, chemicals, energy, utilities, and contracted services from previously approved projects at the Ashbridges Bay Wastewater Treatment and Island Water Treatment plants, as well as maintenance costs of the Waterfront/ East Bayfront stormwater infrastructure (\$0.589 million) will be offset by savings from the implementation of the cogeneration facility upgrades at the Humber Wastewater Treatment Plant (\$0.703 million), resulting in a net reduction of \$0.114 million.
  - One position each is required for the water linear infrastructure inspection scans (CCTV), Humber River Wastewater Treatment Plant and the Waterfront/East Bayfront stormwater infrastructure maintenance, for a total of 3 additional permanent positions.
- *Year 2018:* An increase in operating costs in the amount of \$3.233 million mostly due to the operating impact of capital projects at Ashbridges Bay Wastewater Treatment Plant, the Humber Wastewater Treatment Plant new substation, the Water Quality Master Plan's taste and odour projects, and the Waterfront/ East Bayfront project.
  - 3 new positions each will be needed for the Waterfront/East Bayfront sewer replacement projects and Basement Flooding Program projects. Another 2 positions are for Ashbridges Bayfront Wastewater Treatment Plant (primary treatment upgrades), and one position each is required for the Humber Wastewater Treatment Plant new substation and the Island Water Treatment Plant chemicals and residual management, for a total of 10 new positions.
- *Year 2019:* Additional operating costs of \$3.631 million are anticipated from the implementation Water Quality Master Plan's taste and odour projects, Wet Weather Flow Master Plan and implementation of capital projects at Ashbridges Bay and Highland Creek Wastewater Treatment plants.
  - In order to maintain new infrastructure at Ashbridges Bay Wastewater Treatment Plant, one additional position will be required.
- *Years: 2019 to 2024.* The operating cost increase of \$2.956 million is comprised of funding to sustain variety of capital projects as presented in the table above. There will be no need for additional positions.

These future operating impacts will be reviewed each year as part of the annual Operating Budget process.



# Part 2:

## Issues for Discussion

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## Issues for Discussion

### Issues Impacting the 2017 Capital Budget

#### *2017 Water Consumption Forecast*

- As noted in the 2017 Water and Wastewater Consumption Rates and Service Fees report, there has been a trend towards reduced water consumption over the last decade, despite population growth. Besides weather conditions, the decline in water consumption is attributed to water efficiency measures and economic factors.
- Over the last ten years, there was a substantial drop in Toronto's water consumption that has declined from 374 in 2005 to 327 million cubic metres at the end of 2015.
- Based on the billing data to the end of August 2016, projected year-end consumption is estimated at 325 million cubic meters, a further drop of 0.5% compared to 2015 actual consumption.
  - While water consumption continues to decline in 2016, the rate of consumption decline is actually less than what had been forecast for budgeting purposes as part of the 2016 Budget.
  - As noted, projected year-end consumption is estimated at 325 million cubic meters, while the 2016 forecast was based on consumption of 321 million cubic meters.
- The 2017 Water and Wastewater Model continues to assume that the 2017 and future year consumption (2018-2026) will continue to decline further by 0.5% annually from the 2016 year-end estimates.
- It is important to note that uncertainty in revenues from the sale of water continues to be a challenge for Toronto Water, especially given that a 1% variance in water consumption estimates would have a \$10.9 million impact on annual anticipated water rate revenue.

#### *Water Rate Increases & Reserve Balances*

- Council, as part of the 2015 budget process, endorsed the direction that the capital plan prepared for the 2015 Budget be premised on 8% water and wastewater consumption rate increases for 2015 and 2016, followed by successive 5% increases in 2017 and 2018 in order to reinstate approximately \$1 billion in capital funding lost from a systematic decline in consumption and to fund emerging projects.
- For 2017, Toronto Water's 10 Year Capital Plan has been updated to enable it to deliver on key priorities, while also addressing emerging service improvement projects. In order to provide the necessary revenue stream for the 2017-2026 Recommended Capital Budget and Plan in accordance with the Council decision from 2015, the following rate increases are incorporated in the 2017 Water and Wastewater Rate Model:
  - 5% in 2017 and 2018.
  - 3% from 2019 to 2026.
- The following should be noted:
  - Based on the above water consumption and water and wastewater rates, sufficient revenues will be generated to fund the 2017-2026 Recommended Capital Budget and Plan, leaving a positive capital financing reserve balance of \$93.476 million at the end of the 10-year period.
  - Toronto Water's 10-Year Capital Plan includes a forecast for the expanded TRCA Watercourse Erosion Control project for a total of \$80.0 million to be spent between 2018 and 2026. It was however assumed that 2/3 (\$48 million) will be funded by other orders of government. This funding has yet to be secured.
  - Unit rate pricing for linear infrastructure replacement have escalated recently, requiring additional funding to cover these increased project costs. As a result, the Program has deferred some previously planned capital projects by 1 to 5 years, to align with the Water and Wastewater Rate Model financial projections of available rate funding. This trend, if it continues, will not only significantly impact the state of good repair backlog for infrastructure renewal, but possibly create funding pressures in future years.

- Due to the above and based on the fact that the reserve balance decreases to approximately million in 2025, as some of the largest multi-year projects are nearing completion, any further decline in water consumption would require an adjustment of the 10-Year Recommended Capital Plan's projects.

## Issues Impacting the 10-Year Capital Plan

### *State of Good Repair (SOGR) Backlog*

- Toronto Water currently has a significant infrastructure renewal backlog, higher than any other major Canadian urban centre. It has the largest asset base in the country, estimated at \$28.415 billion with some infrastructure dating back to the 1800s.
- However, some of the City's oldest pipes (100 years or older) are still performing well. As Toronto Water plans for the renewal of aging infrastructure, a risk based approach is taken that considers infrastructure age, condition and performance assessment, upsizing, which may be required to service future growth, and opportunities to reduce overall costs.
- Some key initiatives to identify Toronto Water's State of Good Repair needs include:
  - Water Loss Reduction Program which includes leak detection surveys on distribution water mains that is an indicator of the condition and performance of watermain.
  - Closed camera TV (CCTV) inspection program that utilizes closed camera technology to assess the condition of sanitary and storm sewers.
- The 2016 year-end value of the infrastructure renewal backlog is estimated at \$1.552 billion, reflecting 5.5% of Toronto Water's total asset value of \$28.415 billion. This is based on a detailed analysis of current condition assessments and assumptions of service life by linear asset class, coupled with assessments of water and wastewater treatment facilities.
- Condition assessments of infrastructure by asset class continue to be reviewed and updated. In addition to the condition assessments, Toronto Water is undertaking a review to define its requirements for an integrated Asset Management Solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in early 2017.
- The 10-Year Recommended Capital Plan State of Good Repair funding totals \$5.959 billion that averages \$596 million annually over the 10 year period. This level of funding will contribute towards reducing the watermain and sewer break rates. If the state of good repair backlog remains unchanged, the year-end backlog will of \$1.552 billion in 2016 will be effectively eliminated by the end of 2026.
- A continued trend in escalating unit rate pricing for linear infrastructure will significantly impact the state of good repair backlog for infrastructure renewal as project deferral is required to align with projected funding. These unit rates are mostly impacted by construction industry capacity to deliver projects across the City.
- The Program's State of Good Repair Backlog analysis excludes stormwater management facilities (stormwater ponds and underground storage tanks) as they are relatively new assets, nor does it include stream restoration from erosion scars. A condition assessment of stormwater ponds is being undertaken to determine long term state of good repair requirements. Restoration of watercourses is planned is planned on a priority basis to protect existing infrastructure and in coordination with the Toronto Region Conservation Authority based on site conditions resulting from extreme weather events.

### *Basement Flooding*

- In April 2006, City Council approved a Basement Flooding Protection Work Plan (now referred to as the Basement Flooding Protection Program) to undertake comprehensive engineering studies in 31 basement flooding study areas that experienced significant flooding during extreme storms in May 2000 and August 2005.

- New service level standards were adopted, requiring storm drainage systems to accommodate a 1 in 100 year return frequency storm event, up from the current 1 in 2 to 1 in 5 year return frequency storm.
- Between 2006 and 2015, the number of study areas in the City was increased from 67 study areas and in response to additional storm events and new occurrences of basement flooding, City Council approved the city-wide expansion of the Basement Flooding Protection Program.
- In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that will deliver more quickly and more efficiently a larger number of infrastructure improvements, and meet the needs of the city-wide expansion of the Program
- As of the end of October 2016, Basement Flooding Environmental Assessment (EA) studies for 30 basement flooding study areas have been completed. These EA studies investigate the causes of basement and surface flooding and recommend sewer system improvements to reduce the risk of future basement flooding during extreme storms. Eleven studies are ongoing, one study will be completed in 2016, 8 studies are anticipated to be completed in 2017 and 2 studies are planned for completion in 2018.
- The construction of basement flooding protection projects began in 2009. Many challenges exist with the implementation of works recommended by the EA studies. Retrofitting an area to accommodate the higher level of storm drainage and overland flow controls in existing fully developed areas present the most significant challenge in terms of cost, scheduling and disruption to the local communities.
  - By the end of 2016, \$247 million will have been spent to upgrade storm and sanitary sewers and other related infrastructure to meet the enhanced level of service requirements required under the Basement Flooding Protection Program. A further \$36 million in construction projects has been committed.
- The 2017 – 2026 Capital Budget and Plan includes \$1.527 billion in funding for Basement Flooding Protection Program projects. Despite this level of funding, Toronto Water will continue to face the following challenges:
  - There are increasing demands and high expectations for the further acceleration of basement flooding EA studies and implementation of projects by residents and businesses as a result of the tremendous impacts of basement flooding during extreme weather events.
  - Some of the recommended basement flooding protection projects from completed basement flooding EA studies have a cost that is greater than the Council adopted threshold of \$32,000 per benefitting property, and therefore these projects are not proceeding to engineering design and construction.
- The cost to implement basement flooding protection projects across all 67 study areas need to be continuously updated, as basement flooding EA studies are completed and new works are recommended.

#### *Stream Restoration and Critical Erosion Projects*

- As a part of its Stormwater Management Program, Toronto Water provides an annual funding contribution to the Toronto and Region Conservation Authority (TRCA) for stream restoration and erosion control projects. The 2017-2026 Capital Budget and Plan allocates a total of \$147.746 million over a 10-year period, as Toronto Water continues to support the TRCA's efforts in watercourse management.
- Toronto Water's 2017-2026 Capital Budget and Plan also includes further funding of \$122.267 million over the next 10 year horizon for stream restoration and erosion management to carry out work to protect its own infrastructure in valley lands.

#### *Funding Pressures for Stormwater Management*



- Concurrently with the 2016 Operating Budget and 2017-2025 Capital Budget and Plan, Council approved a report entitled "**Funding Options for Paying for Toronto Water's Stormwater Management Capital Program**."
  - This report highlighted the growing needs of the stormwater management capital program, which, as a portion of the total capital program, was projected to grow from 18% in 2015 to 40% in 2025. The report recommended development of an implementation plan for a charge that is dedicated to funding stormwater management projects. This involves a separate funding structure for stormwater management based on alternative parameters including per lot charges and impervious area.
  - The work on the implementation plan has started and the report back is expected in the spring of 2017. A possible implementation of new funding structure is anticipated for 2018.
- The 2017-2026 Recommended Capital Plan is based on the current consumption based water rate funding and all necessary revenues for the Capital Plan are to be generated by the rate increases included in the 2017 Water and Wastewater Rate Model, until such time that Council approves a new funding structure.

#### *Other Challenges*

- Planning for Extreme Weather Events
  - Due to the extreme cold weather events, Toronto Water experienced an unprecedented number of watermain breaks, leaking and frozen water services, not seen in 20 years, resulting in additional funding requirements in 2014 and 2015. Planning and preparing for an adequate response during extreme weather events remains to be a challenge for Toronto Water. This process is currently underway.
- Planning for Growth
  - The City of Toronto is experiencing significant growth with many landowners submitting development applications to increase the density permitted by the zoning-by-law. A strategy is required to ensure that water and wastewater services are available for the new developments.

### **Issues Referred to the 2017 Capital Budget Process**

#### *TRCA Unfunded Projects:*

- During the 2016 Capital Budget Process, since TRCA has identified \$182.942 million of unmet needs, including \$60 million for the Scarborough Waterfront Access Trail that could not be accommodated within the existing debt targets, City Council requested that the Chief Executive Officer of the Toronto and Region Conservation, in consultation with the General Managers of Parks, Forestry & Recreation, Toronto Water, and Transportation Services work together to develop the business cases for the unfunded priority projects consistent with the City of Toronto's Capital Budget Instructions and Guidelines for consideration in the 2017-2026 Capital Plan.
- These projects go beyond erosion control and source water protection and have linkages not only to service objectives of Toronto Water, but other City Programs including Parks, Forestry and Recreation, and Transportation Services as well. They encompass variety of initiatives, such as the restoration of the natural environment, the creation of recreation and transportation infrastructure such as visitor's centres, public access to the water, trails, and cycling paths.
- In response to the above request TRCA developed an updated list of unmet needs which is presented in the table below:

TRCA: Unmet Needs - Projects Excluded due to Funding Constraints

Project Description	Criteria	Total Project Cost	Non-Debt Funding	Debt Required	Cash Flow									
					2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Scarborough Waterfront Access Trail	6	51,000	25,500	25,500		3,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
South Mimico Trail Link and Restoration	6	2,105	1,052	1,053		1,300	805							
Scarborough Bluffs West Study - EA	6	2,000	1,000	1,000			2,000							
Scarborough Bluffs West Project Implementation	6	28,000	14,000	14,000				4,000	4,000	4,000	4,000	4,000	4,000	4,000
Tommy Thompson Park - Master Plan Phase II	6	17,814	8,907	8,907	990	4,268	2,556	2,000	2,000	2,000	2,000	2,000	-	-
IT Infrastructure	5	1,000		1,000	100	100	100	100	100	100	100	100	100	100
Black Creek Pioneer Village Retrofit	3	8,450		8,450	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Assets Management Plan Analysis and Development	3	250		250	250									
Assets Management Plan Implementation	3	5,250		5,250		500	500	550	550	600	600	650	650	650
Greenlands Acquisition Project		33,500	16,750	16,750	2,250	2,500	2,750	3,000	3,250	3,500	3,750	4,000	4,250	4,250
Lower Don Erosion Restoration Project	3	4,000	4,000		100	200	1,200	1,200	1,300					
Flood Mitigation Priority Enhancements Studies	3	1,500	1,500		150	150	150	150	150	150	150	150	150	150
- Lower Don River Transportation Corridor	3													
- Jane Wilson Flood Management & Improvement	3													
Western Beaches Breakwall Repair (Phase 1)	3	7,000	7,000			500	500	2,000	2,000	2,000				
Special Policy Areas and Flood Vulnerable Areas Review	3	1,500	1,500		150	150	150	150	150	150	150	150	150	150
- Dundas West														
- Highland Creek	3													
Watershed Planning	8	780	390	390	78	78	78	78	78	78	78	78	78	78
Gatineau Hydro Corridor Revitalization	8	700		700				100	100	100	100	100	100	100
Climate Research and Resilience	8	400		400		150	150	100						
Sustainable Neighborhood Retrofit Action Plan	8	1,350		1,350	100	100	125	125	150	150	150	150	150	150
Partners in Project Green - Eco Forks	8	1,010		1,010	175	320	370	320						
<b>Total</b>		<b>167,609</b>	<b>81,599</b>	<b>86,010</b>	<b>5,343</b>	<b>14,316</b>	<b>18,434</b>	<b>20,873</b>	<b>20,828</b>	<b>19,828</b>	<b>18,078</b>	<b>18,378</b>	<b>16,628</b>	<b>16,628</b>

**Criteria:** Health & Safety or SOGR projects that need to be addressed to avoid service interruption or legal claims (3), Capital projects that generate operating savings/efficiencies or cost avoidance (5). Capital projects to implement approved Council priorities (6), Capital projects to address a sustained service demand (8).

**Funding allocations** are approximate given the nature of the project and the business case.

- Currently, TRCA is in the process of developing detailed business cases for each of the items above, which will then be prioritized and the associated sources of funding identified. Funding ratios in the table above may change as the business cases are further developed and each component relating to Transportation, Toronto Water and Parks, Forestry and Recreation is determined. It is anticipated that this review will be completed in time for the 2018 Budget Process.



# Appendices

## Appendix 1 2016 Performance

### 2016 Key Accomplishments

In 2016, Toronto Water made significant progress and/or accomplished the following:

#### *Water Treatment & Supply*

- ✓ Approximately 35 km of watermain replacement (\$71 million) and 63 km of structural watermain lining (\$49 million).
- ✓ Water service replacement (\$32 million).
- ✓ Water treatment plant upgrades (\$39 million).
- ✓ Transmission watermain replacement (\$14 million).
- ✓ Reservoirs and pumping stations (\$18 million).
- ✓ St. Clair Reservoir refurbishment award (\$25 million).
- ✓ Ellesmere Pumping Station Power Generators Upgrade award (\$24 million).

#### *Wastewater Collection and Treatment*

- ✓ 7 km of sewer replacement (\$33 million) and 130 km of sewer rehabilitation (\$52 million); trunk sewer rehabilitation (\$21 million).
- ✓ Ashbridges Bay Wastewater Treatment Plant on-going projects – P Building Upgrades, biofilters and engineering for the influent pump station and outfall projects (\$61 million).
- ✓ Highland Creek Treatment Plant – biosolids upgrades, odour control upgrades (\$29 million).
- ✓ Humber Wastewater Treatment Plant – gas compressor, odour control and secondary treatment upgrades (\$41 million).

#### *Stormwater Management*

- ✓ Basement Flooding Protection Program (\$45 million).
- ✓ Wet Weather Flow Master Plan (\$60 million).

### 2016 Financial Performance

**Table 9**  
**2016 Budget Variance Analysis (In \$000's)**

2016 Budget	As of June 30, 2016		Projected Actuals at Year-End		Unspent Balance	
	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
851,652	341,548	40.1%	695,944	<b>81.7%</b>	155,708	<b>18.3%</b>

\* Based on 2016 Q2 Capital Variance Report

For additional information regarding the 2016 Q2 capital variances and year-end projections, please refer to the report entitled "Capital Variance Report for the Six-Month Period Ended June 30, 2016" considered by City Council at its meeting on October 5, 2016.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.EX17.16>

### Impact of the 2016 Capital Variance on the 2017 Recommended Capital Budget

- As a result of the delays in the capital projects, as described in the 2016 Q2 Capital Variance Report, funding of \$129.579 million is being carried forward to the 2017 Recommended Capital Budget to continue the capital work.

- A detailed review of the 2017 – 2026 Recommended Capital Budget and Plan has been conducted and the necessary adjustments have been made to the timing of cash flow funding for unique and major capital projects such as Ashbridges Bay, Highland Creek and Humber River Wastewater Treatment Plant upgrades, watermain and sewer replacement projects, basement flooding and wet weather flow implementation projects totalling \$360.472 million. By deferring the cash flow funding to future years, the 2017 Recommended Capital Budget reflects readiness to proceed and will lead to a higher rate of spending.



## Appendix 3

### 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Water Program

						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
Sub-Project No.	Project Name	Ward	Stat.	Cat.		2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT000004 HORGAN W.T.P. EXPANSION</b>																								
0 2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05		24	0	0	0	0	24	0	24	0	0	8	0	8	0	0	8	0	0	24
0 38	PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017 SC	CW	S3	05		51	75	0	0	0	126	0	126	0	0	40	0	46	0	0	40	0	0	126
0 39	PLANT EXPANSION - CONSTRUCTION- 2017 SC	CW	S3	05		0	0	0	0	0	0	40	40	0	0	13	0	14	0	0	13	0	0	40
Sub-total						75	75	0	0	0	150	40	190	0	0	61	0	68	0	0	61	0	0	190
<b>WAT000014 WATER STORAGE EXPANSION</b>																								
0 1	DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	CW	S2	05		18	0	0	0	0	18	0	18	0	0	11	0	7	0	0	0	0	0	18
0 2	Milliken PS and Reservoir - Engineering	CW	S2	05		50	0	0	0	0	50	0	50	0	0	21	0	10	0	0	19	0	0	50
0 52	MILLIKEN PS&RESERVOIR-DESIGN&CONT	CW	S3	05		0	37	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37
0 53	DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017 SC	CW	S3	05		-17	0	0	0	0	-17	0	-17	0	0	-10	0	-7	0	0	0	0	0	-17
Sub-total						51	37	0	0	0	88	0	88	0	0	37	0	18	0	0	33	0	0	88
<b>WAT000018 CLARK RESIDUE MGMT. FACILITIES</b>																								
0 24	RESIDUALS RETROFITS AND UPGRADES	CW	S2	02		1,036	425	0	0	0	1,461	0	1,461	0	0	0	0	1,461	0	0	0	0	0	1,461
0 29	RESIDUALS RETROFITS AND UPGRADES-2017 SC	CW	S3	02		-567	2,408	700	0	0	2,541	0	2,541	0	0	0	0	2,541	0	0	0	0	0	2,541
Sub-total						469	2,833	700	0	0	4,002	0	4,002	0	0	0	0	4,002	0	0	0	0	0	4,002
<b>WAT000021 WATER EFFICIENCY PROGRAM</b>																								
0 10	ICI INDOOR WATER AUDIT	CW	S2	05		300	0	0	0	0	300	0	300	0	0	300	0	0	0	0	0	0	0	300
0 11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05		150	0	0	0	0	150	0	150	0	0	150	0	0	0	0	0	0	0	150
0 12	ANCILLARY COSTS	CW	S2	05		70	0	0	0	0	70	0	70	0	0	70	0	0	0	0	0	0	0	70
0 82	WEP - FUTURE -ICI	CW	S6	05		0	0	0	485	520	1,005	2,600	3,605	0	0	3,605	0	0	0	0	0	0	0	3,605
0 91	ICI INDOOR WATER AUDIT- 2017 SC	CW	S3	05		0	300	300	0	0	600	0	600	0	0	600	0	0	0	0	0	0	0	600
0 92	PUBLIC EDUCATION & PROMOTIONS- 2017 SC	CW	S3	05		0	150	150	0	0	300	0	300	0	0	300	0	0	0	0	0	0	0	300
0 93	ANCILLARY COSTS- 2017 SC	CW	S3	05		0	70	70	35	0	175	0	175	0	0	175	0	0	0	0	0	0	0	175
Sub-total						520	520	520	520	520	2,600	2,600	5,200	0	0	5,200	0	0	0	0	0	0	0	5,200
<b>WAT000363 ENGINEERING STUDIES</b>																								
0 2	IMPROVED TREATMENT STUDIES	CW	S2	04		296	0	0	0	0	296	0	296	0	0	0	0	207	0	0	89	0	0	296



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT000363 ENGINEERING STUDIES</b>																							
0 18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	200	200	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0 31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	105	125	0	0	0	230	0	230	0	0	0	0	230	0	0	0	0	0	230
0 38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4
0 65	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S2	04	915	730	105	5	0	1,755	0	1,755	0	0	0	0	1,755	0	0	0	0	0	1,755
0 70	FACILITY FORECAST/SOGR FUNDING	CW	S6	03	0	0	50	50	50	150	250	400	0	0	0	0	400	0	0	0	0	0	400
0 72	SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 SC	CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	0	0	0	0	-1,755	0	0	0	0	0	-1,755
0 73	CONTROLLED SUBSTANCES ID AND ABATEMENT- 2017 SC	CW	S3	02	-100	-100	100	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100
0 74	ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC	CW	S3	04	25	-8	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 75	IMPROVED TREATMENT STUDIES- 2017 SC	CW	S3	04	-136	152	0	0	0	16	0	16	0	0	0	0	11	0	0	5	0	0	16
Sub-total					394	369	150	50	50	1,013	250	1,263	0	0	0	0	1,169	0	0	94	0	0	1,263
<b>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>																							
0 9	TRUNK RADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0 12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	795	400	0	0	0	1,195	0	1,195	0	0	0	0	1,195	0	0	0	0	0	1,195
0 41	SCADA UPGRADES FOR WWT	CW	S2	04	5,206	5,760	7,160	4,200	50	22,376	110	22,486	0	0	0	0	22,486	0	0	0	0	0	22,486
0 42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	0	0	0	0	492	0	0	0	0	0	492
0 43	BUSINESS & TECHNICAL IMPROVEMENTS - 10 YEAR PLAN	CW	S6	04	0	257	407	407	1,711	2,782	6,665	9,447	0	0	0	0	9,447	0	0	0	0	0	9,447
0 61	RELIABILITY IMPROVEMENT PROGRAM - FUTURE YEARS	CW	S6	04	0	0	0	0	200	200	1,000	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0 67	SCADA UPGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	0	0	0	0	3,503	0	0	0	0	0	3,503
0 83	NETWORK IMPROVEMENTS - 10 YEAR	CW	S6	04	0	1,650	1,230	1,230	2,410	6,520	4,920	11,440	0	0	0	0	11,440	0	0	0	0	0	11,440
0 85	NETWORK IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	0	0	0	0	2,586	0	0	0	0	0	2,586
0 86	BLANKET CONTRACT MGMT TOOL	CW	S4	04	50	150	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 87	PCS UPGRADES 2017	CW	S4	04	210	210	210	0	0	630	0	630	0	0	0	0	630	0	0	0	0	0	630
0 88	TRUNK RADIO - EQUIPMENT	CW	S4	03	500	1,400	0	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																				
<u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u>																									
0	90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10	
0	91	PCS LEGACY ALARM IMPROVEMENT- 2017 SC	CW	S3	04	166	65	65	0	0	296	0	296	0	0	0	0	296	0	0	0	0	0	296	
0	92	RELIABILITY IMPROVEMENT PROGRAM- 2017 SC	CW	S3	04	-585	-50	200	200	0	-235	0	-235	0	0	0	0	-235	0	0	0	0	0	-235	
0	93	SCADA UPGRADES FOR WWT- 2017 SC	CW	S3	04	-2,651	546	1,765	890	150	700	-50	650	0	0	0	0	650	0	0	0	0	0	650	
0	94	SCADA UPGRADES FOR WWT - II - 2017 SC	CW	S3	04	-718	570	260	184	0	296	0	296	0	0	0	0	296	0	0	0	0	0	296	
0	95	NETWORK IMPROVEMENTS- 2017 SC	CW	S3	04	-1,016	964	0	0	0	-52	0	-52	0	0	0	0	-52	0	0	0	0	0	-52	
0	96	PCS UPGRADES FOR WATER SUPPLY- 2017 SC	CW	S3	04	-12	0	0	0	0	-12	0	-12	0	0	0	0	-12	0	0	0	0	0	-12	
0	97	SCADA SOFTWARE	CW	S4	04	220	220	220	220	220	1,100	0	1,100	0	0	0	0	1,100	0	0	0	0	0	1,100	
Sub-total						7,566	13,082	11,967	7,731	4,741	45,087	12,645	57,732	0	0	0	0	57,732	0	0	0	0	0	57,732	
<u>WAT906340 METERING &amp; METER READING SYS</u>																									
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	8,314	2,000	915	545	0	11,774	0	11,774	0	0	0	0	11,774	0	0	0	0	0	11,774	
0	18	AUTOMATED METER READING SYSTEM- 2017 SC	CW	S3	04	-2,940	1,180	-415	-199	0	-2,374	0	-2,374	0	0	0	0	-2,374	0	0	0	0	0	-2,374	
Sub-total						5,374	3,180	500	346	0	9,400	0	9,400	0	0	0	0	9,400	0	0	0	0	0	9,400	
<u>WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</u>																									
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	92	0	0	0	0	92	0	92	0	0	46	0	29	0	0	17	0	0	92	
0	29	JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	5	0	3	0	0	2	0	0	10	
0	30	JOS - AVENUE WM CONS HI LEVEL TO LAWRENCE- 2017 SC	CW	S3	03	221	500	0	0	0	721	0	721	0	0	363	0	224	0	0	134	0	0	721	
Sub-total						323	500	0	0	0	823	0	823	0	0	414	0	256	0	0	153	0	0	823	
<u>WAT906468 HORGAN TRUNK MAIN EXPANSION</u>																									
0	44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	0	1,000	10,000	11,000	12,000	23,000	0	0	8,729	0	14,271	0	0	0	0	0	23,000	
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S6	05	0	850	700	650	620	2,820	1,140	3,960	0	0	1,505	0	2,455	0	0	0	0	0	3,960	
Sub-total						0	850	700	1,650	10,620	13,820	13,140	26,960	0	0	10,234	0	16,726	0	0	0	0	0	0	26,960
<u>WAT906470 ISLAND W.T.P. R&amp;R</u>																									
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	723	340	400	400	80	1,943	20	1,963	0	0	0	0	1,963	0	0	0	0	0	1,963	
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST	CW	S2	02	2,000	7,400	2,500	3,500	1,500	16,900	0	16,900	0	0	1,028	0	15,872	0	0	0	0	0	16,900	



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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906749 DOWNTOWN W/M ENHANCEMENT</b>																							
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	26	0	0	0	0	26	0	26	0	0	5	0	1	0	0	20	0	0	26
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	0	0	904	0	163	0	0	3,472	0	0	4,539
0 45	JOS - GERRARD ST WM - ENGINEERING- 2017 SC	CW	S3	03	-12	10	0	0	0	-2	0	-2	0	0	0	0	-1	0	0	-1	0	0	-2
0 46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	0	0	-904	0	-163	0	0	-3,472	0	0	-4,539
Sub-total					14	10	0	0	0	24	0	24	0	0	5	0	0	0	0	19	0	0	24
<b>WAT906752 TRANSMISSION R&amp;R</b>																							
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	250	250	1,250	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,354	360	102	69	0	9,885	0	9,885	0	0	0	0	9,885	0	0	0	0	0	9,885
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	2,061	84	14	0	0	2,159	0	2,159	0	0	0	0	2,159	0	0	0	0	0	2,159
0 58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	5,500	2,650	0	0	0	8,150	0	8,150	0	0	0	0	8,150	0	0	0	0	0	8,150
0 74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	CW	S3	03	-724	1,164	231	19	0	690	0	690	0	0	0	0	690	0	0	0	0	0	690
0 75	TRUNK WATERMAIN REHAB- 2017 SC	CW	S3	03	114	4	260	253	0	631	0	631	0	0	0	0	631	0	0	0	0	0	631
0 76	CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	CW	S3	03	-1,011	835	144	6	0	-26	0	-26	0	0	0	0	-26	0	0	0	0	0	-26
0 77	CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	CW	S3	03	-2,300	2,100	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total					13,244	7,447	951	347	250	22,239	1,250	23,489	0	0	0	0	23,489	0	0	0	0	0	23,489
<b>WAT906900 TRANSMISSION R&amp;R</b>																							
0 1	TRANS FACILITIES REHAB	CW	S2	03	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500
0 7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	1,000	5,500	5,500	12,000	57,000	69,000	0	0	0	0	69,000	0	0	0	0	0	69,000
0 26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	145	0	0	0	0	145	0	145	0	0	0	0	145	0	0	0	0	0	145
0 27	EGLINTON PS - PUMP REPLC	CW	S2	03	228	0	0	0	0	228	0	228	0	0	0	0	228	0	0	0	0	0	228
0 36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	17,353	7,913	7	0	0	25,273	0	25,273	0	0	0	0	25,273	0	0	0	0	0	25,273
0 43	DOWNSVIEW PS - Construction	CW	S6	05	0	1,000	0	3,000	5,000	9,000	5,000	14,000	0	0	0	0	14,000	0	0	0	0	0	14,000
0 44	PUMPING STATION REHAB - Engineering	CW	S6	03	0	0	0	250	100	350	10,450	10,800	0	0	0	0	10,800	0	0	0	0	0	10,800

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Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906900 TRANSMISSION R&amp;R</u>																							
0 45	PUMPING STATION REHAB - Construction	CW	S6	03	0	0	2,000	4,500	4,500	11,000	58,500	69,500	0	0	0	0	69,500	0	0	0	0	0	69,500
0 48	ROSEHILL RESERVOIR	CW	S2	03	11,479	10,500	4,600	0	0	26,579	0	26,579	0	0	0	0	26,579	0	0	0	0	0	26,579
0 49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	410	0	0	0	0	410	0	410	0	0	0	0	410	0	0	0	0	0	410
0 50	PARKDALE PS REHABILITATION	CW	S2	03	3,580	1,757	21	0	0	5,358	0	5,358	0	0	0	0	5,358	0	0	0	0	0	5,358
0 51	ROSEHILL PS REHAB	CW	S2	03	1,786	2,786	1,144	11	11	5,738	0	5,738	0	0	0	0	5,738	0	0	0	0	0	5,738
0 67	PUMP REPLACEMENTS	CW	S2	03	900	900	100	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
0 70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0	0	750	750	750	2,250	3,000	5,250	0	0	0	0	5,250	0	0	0	0	0	5,250
0 72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S4	03	200	250	300	650	350	1,750	2,150	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
0 74	PS REHAB - PHASE 2 - ENG	CW	S4	03	500	400	600	1,000	500	3,000	2,000	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000
0 75	ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	CW	S3	03	-9,003	-63	8,113	10	17	-926	0	-926	0	0	0	0	-926	0	0	0	0	0	-926
0 76	ROSEHILL RESERVOIR-2017 SC	CW	S3	03	-9,229	270	5,750	10,150	3,019	9,960	34	9,994	0	0	0	0	9,994	0	0	0	0	0	9,994
0 77	PARKDALE PS REHABILITATION-2017 SC	CW	S3	03	-2,385	2,593	2,404	329	8	2,949	0	2,949	0	0	0	0	2,949	0	0	0	0	0	2,949
0 78	SCARBOROUGH PS - PUMP REPLC- 2017 SC	CW	S3	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0 79	EGLINTON PS - PUMP REPLC- 2017 SC	CW	S3	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0 80	DOWNSVIEW PS & CONNECTOR EA- 2017 SC	CW	S3	05	-85	280	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195
0 81	ROSEHILL PS REHAB- 2017 SC	CW	S3	03	33	0	20	13	14	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0 82	DOWNSVIEW PS - Engineering	CW	S6	05	0	280	430	650	260	1,620	400	2,020	0	0	0	0	2,020	0	0	0	0	0	2,020
Sub-total					16,692	29,616	27,239	26,813	20,029	120,389	138,534	258,923	0	0	0	0	258,923	0	0	0	0	0	258,923
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																							
0 3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 21	HVAC REHAB CONSTRUCTION	CW	S2	03	2,766	847	0	0	0	3,613	0	3,613	0	0	0	0	3,613	0	0	0	0	0	3,613
0 29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,620	722	0	0	0	4,342	0	4,342	0	0	0	0	4,342	0	0	0	0	0	4,342
0 56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	9,579	5,384	23	0	0	14,986	0	14,986	0	0	0	0	14,986	0	0	0	0	0	14,986
0 70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	150	0	150	0	300	150	450	0	0	0	0	450	0	0	0	0	0	450

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Gross Expenditures (\$000's)

Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																							
0 71	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000
0 79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0 80	FACILITY INFRASTRUCTURE REHAB	CW	S6	03	0	0	1,000	1,000	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0 81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	1,450	1,148	7	0	0	2,605	0	2,605	0	0	0	0	2,605	0	0	0	0	0	2,605
0 85	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	0	0	0	0	33,450	33,450	0	0	0	0	33,450	0	0	0	0	0	33,450
0 98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	200	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0 99	CONTROL ROOM RELOCATION	CW	S2	04	593	0	0	0	0	593	0	593	0	0	0	0	593	0	0	0	0	0	593
0 100	EMERGENCY STANDBY POWER	CW	S2	04	895	5	0	0	0	900	0	900	0	0	0	0	900	0	0	0	0	0	900
0 102	PHONE SYSTEM UPGRADE	CW	S2	03	510	0	0	0	0	510	0	510	0	0	0	0	510	0	0	0	0	0	510
0 109	REHAB OF SETTLING BASIN ROOF & SLUICE GATES-2017 SC	CW	S3	03	-279	2,931	78	10	13	2,753	0	2,753	0	0	0	0	2,753	0	0	0	0	0	2,753
0 110	HARRIS FILTERS REHABILITATION - PILOT-2017 SC	CW	S3	03	-2,970	2,906	65	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 111	CONTROL ROOM RELOCATION-2017 SC	CW	S3	04	-518	525	0	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7
0 112	TRAVELLING SCREENS 3 & 5 UPGRADE-2017 SC	CW	S3	03	0	300	450	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0 113	PHONE SYSTEM UPGRADE-2017 SC	CW	S3	03	-510	70	510	0	0	70	0	70	0	0	0	0	70	0	0	0	0	0	70
0 114	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 115	HVAC REHAB CONSTRUCTION- 2017 SC	CW	S3	03	-1,205	3,453	4,281	0	0	6,529	0	6,529	0	0	0	0	6,529	0	0	0	0	0	6,529
0 116	LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	CW	S3	04	-989	3,249	137	7	0	2,404	0	2,404	0	0	0	0	2,404	0	0	0	0	0	2,404
0 117	HERITAGE MASONRY ARCHITECTURAL RESTORATION-2017 SC	CW	S3	03	0	0	0	0	0	0	150	150	0	0	0	0	150	0	0	0	0	0	150
0 118	EMERGENCY STANDBY POWER- 2017 SC	CW	S3	04	-395	995	405	0	0	1,005	0	1,005	0	0	0	0	1,005	0	0	0	0	0	1,005
0 119	ENERGY OPTIMIZATION	CW	S6	04	0	50	1,150	1,000	0	2,200	0	2,200	0	0	0	0	2,200	0	0	0	0	0	2,200
Sub-total					13,247	23,535	9,356	3,417	713	50,268	36,250	86,518	0	0	0	0	86,518	0	0	0	0	0	86,518
<u>WAT906903 FJ HORGAN W.T.P. R&amp;R</u>																							
0 5	FACILITY & PROCESS UPGRADES	CW	S2	03	516	0	0	0	0	516	0	516	0	0	0	0	516	0	0	0	0	0	516
0 8	RAW WATER PUMP UGRADES	CW	S2	03	469	0	0	0	0	469	0	469	0	0	0	0	469	0	0	0	0	0	469

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

<b>Water Program</b>						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906903 FJ HORGAN W.T.P. R&amp;R</u>																							
0 15	REPLACEMENT OF MCCS	CW	S2	03	2,315	2,400	250	152	10	5,127	9	5,136	0	0	0	0	5,136	0	0	0	0	5,136	
0 28	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	200	200	200	600	1,000	1,600	0	0	0	0	1,600	0	0	0	0	1,600	
0 31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	855	1,375	1,825	10	10	4,075	0	4,075	0	0	0	0	4,075	0	0	0	0	4,075	
0 32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	550	3	3	0	0	556	0	556	0	0	0	0	556	0	0	0	0	556	
0 33	OFFICE RENOVATION	CW	S6	03	0	0	100	675	575	1,350	479	1,829	0	0	0	0	1,829	0	0	0	0	1,829	
0 34	TREATED WATER PUMP UPGRADES	CW	S2	04	1,890	0	0	0	0	1,890	0	1,890	0	0	0	0	1,890	0	0	0	0	1,890	
0 53	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	240	613	0	0	0	853	0	853	0	0	0	0	853	0	0	0	0	853	
0 54	REPLACEMENT OF MCCS- 2017 SC	CW	S3	03	-57	36	0	75	0	54	0	54	0	0	0	0	54	0	0	0	0	54	
0 55	RAW WATER PUMP UGRADES- 2017 SC	CW	S3	03	52	0	0	0	0	52	0	52	0	0	0	0	52	0	0	0	0	52	
0 56	ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 2017 SC	CW	S3	04	-500	527	277	0	0	304	0	304	0	0	0	0	304	0	0	0	0	304	
0 57	TREATED WATER PUMP UPGRADES- 2017 SC	CW	S3	04	-364	0	0	0	0	-364	0	-364	0	0	0	0	-364	0	0	0	0	-364	
0 58	BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	CW	S3	04	-597	720	125	0	0	248	0	248	0	0	0	0	248	0	0	0	0	248	
Sub-total					5,369	5,674	2,780	1,112	795	15,730	1,488	17,218	0	0	0	0	17,218	0	0	0	0	17,218	
<u>WAT906906 TRUNK WATERMAIN EXPANSION</u>																							
0 25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	784	450	173	21	0	1,428	0	1,428	0	0	684	0	420	0	0	324	0	1,428	
0 66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S4	05	2,000	12,000	12,000	8,000	0	34,000	0	34,000	0	0	16,289	0	9,987	0	0	7,724	0	34,000	
0 69	JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	CW	S3	05	-384	61	202	162	11	52	0	52	0	0	26	0	14	0	0	12	0	52	
Sub-total					2,400	12,511	12,375	8,183	11	35,480	0	35,480	0	0	16,999	0	10,421	0	0	8,060	0	35,480	
<u>WAT906914 SWITCH GEAR TRANSFORMER</u>																							
0 13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	3,913	0	0	0	0	3,913	0	3,913	0	0	0	0	3,913	0	0	0	0	3,913	
0 29	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S6	03	0	500	1,500	2,200	5,200	9,400	10,200	19,600	0	0	0	0	19,600	0	0	0	0	19,600	
0 30	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	CW	S3	03	-1,663	1,274	0	0	0	-389	0	-389	0	0	0	0	-389	0	0	0	0	-389	
Sub-total					2,250	1,774	1,500	2,200	5,200	12,924	10,200	23,124	0	0	0	0	23,124	0	0	0	0	23,124	
<u>WAT906917 TRANSMISSION OPERATIONS OPTIMIZER</u>																							
0 8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	257	200	0	0	0	457	0	457	0	0	0	0	219	0	0	238	0	457	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906917 TRANSMISSION OPERATIONS OPTIMIZER</b>																								
0	12	TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	CW	S3	04	-7	20	0	0	0	13	0	13	0	0	0	0	-63	0	0	76	0	0	13
Sub-total						250	220	0	0	0	470	0	470	0	0	0	0	156	0	0	314	0	0	470
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																								
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	0	0	1,055	0	11,081	0	0	5,227	0	0	17,363
0	12	STANDBY POWER - ROSEHILL	CW	S2	04	3,344	4,344	5,167	1,815	15	14,685	0	14,685	0	0	882	0	9,397	0	0	4,406	0	0	14,685
0	19	WATER SUSTAINABILITY STANDBY POWER-ELLESMERE2017SC	CW	S3	04	-12,041	5,187	5,269	10	0	-1,575	0	-1,575	0	0	-95	0	-1,005	0	0	-475	0	0	-1,575
0	20	STANDBY POWER - ROSEHILL- 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	0	0	-1	0	-11	0	0	-6	0	0	-18
Sub-total						8,693	9,551	10,371	1,813	13	30,441	14	30,455	0	0	1,841	0	19,462	0	0	9,152	0	0	30,455
<b>WAT906919 RL CLARK W.T.P. R&amp;R</b>																								
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,264	480	1,392	60	0	3,196	0	3,196	0	0	195	0	3,001	0	0	0	0	0	3,196
0	12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	200	200	200	600	1,000	1,600	0	0	0	0	1,600	0	0	0	0	0	1,600
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	15,112	12,215	82	0	0	27,409	0	27,409	0	0	1,667	0	25,742	0	0	0	0	0	27,409
0	44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	308	5	0	0	0	313	0	313	0	0	0	0	313	0	0	0	0	0	313
0	68	PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC	CW	S3	03	-904	130	-892	1,394	60	-212	35	-177	0	0	-12	0	-165	0	0	0	0	0	-177
0	69	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC	CW	S3	03	-5,300	-500	9,950	3,000	0	7,150	0	7,150	0	0	434	0	6,716	0	0	0	0	0	7,150
0	70	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	50	50	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	71	EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	CW	S3	03	66	227	20	0	0	313	0	313	0	0	0	0	313	0	0	0	0	0	313
Sub-total						10,746	12,757	10,752	4,654	260	39,169	1,035	40,204	0	0	2,284	0	37,920	0	0	0	0	0	40,204
<b>WAT906930 DIST W/M REPLACEMENT</b>																								
0	4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	0	65,250	95,000	95,000	255,250	475,000	730,250	0	0	113,588	0	616,662	0	0	0	0	0	730,250
0	14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4
0	29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	0	0	0	0	113	0	0	0	0	0	113
0	39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906930	DIST W/M REPLACEMENT																						
0 42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	0	11,600	15,300	17,100	44,000	89,300	133,300	0	0	41,469	0	91,831	0	0	0	0	0	133,300
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	0	0	0	0	402	0	0	0	0	0	402
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	0	0	0	0	3,045	0	0	0	0	0	3,045
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	0	0	2	0	3	0	0	0	0	0	5
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,691	155	0	0	0	4,846	0	4,846	0	0	754	0	4,092	0	0	0	0	0	4,846
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	0	0	105	0	233	0	0	0	0	0	338
0 73	DIST W/M REPLACEMENT - 2016	CW	S2	03	19,562	8,427	0	0	0	27,989	0	27,989	0	0	4,352	0	23,637	0	0	0	0	0	27,989
0 74	WATERMAIN UPGRADES - 2016	CW	S2	05	3,470	1,840	0	0	0	5,310	0	5,310	0	0	1,652	0	3,658	0	0	0	0	0	5,310
0 82	DIST W/M REPLACEMENT - 2015-2017 SC	CW	S3	03	-3,738	741	0	0	0	-2,997	0	-2,997	0	0	-467	0	-2,530	0	0	0	0	0	-2,997
0 83	DIST W/M REPLACEMENT - 2017	CW	S4	03	51,296	15,598	7,272	0	0	74,166	0	74,166	0	0	11,533	0	62,633	0	0	0	0	0	74,166
0 84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	0	0	4,592	0	10,169	0	0	0	0	0	14,761
0 85	DIST W/M REPLACEMENT - 2018	CW	S6	03	0	53,522	15,292	7,646	0	76,460	0	76,460	0	0	11,890	0	64,570	0	0	0	0	0	76,460
0 86	WATERMAIN UPGRADES - 2018	CW	S6	05	0	13,406	3,830	1,915	0	19,151	0	19,151	0	0	5,959	0	13,192	0	0	0	0	0	19,151
0 87	2010 WM REPLC - 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 88	DIST W/M REPLC - 2012- 2017 SC	CW	S3	03	90	0	0	0	0	90	0	90	0	0	0	0	90	0	0	0	0	0	90
0 89	2013 WM REPLC - SOGR - 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 90	2013 WM REPLC - UPGRADES- 2017 SC	CW	S3	05	0	101	0	0	0	101	0	101	0	0	31	0	70	0	0	0	0	0	101
0 91	DIST W/M REPLACEMENT - 2014- 2017 SC	CW	S3	03	-401	255	0	0	0	-146	0	-146	0	0	40	0	-186	0	0	0	0	0	-146
0 92	WATERMAIN UPGRADES - 2014- 2017 SC	CW	S3	05	-400	0	0	0	0	-400	0	-400	0	0	0	0	-400	0	0	0	0	0	-400
0 93	WATERMAIN REPLACEMENT - METROLINX- 2017 SC	CW	S3	03	-712	-649	724	1,494	1,494	2,351	0	2,351	0	0	0	0	2,351	0	0	0	0	0	2,351
0 94	WATERMAIN UPGRADES - 2015- 2017 SC	CW	S3	05	-191	0	0	0	0	-191	0	-191	0	0	-59	0	-132	0	0	0	0	0	-191
0 95	DIST W/M REPLACEMENT - 2016- 2017 SC	CW	S3	03	3,443	-1,270	374	0	0	2,547	0	2,547	0	0	396	0	2,151	0	0	0	0	0	2,547

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906930 DIST W/M REPLACEMENT</u>																								
0	96	WATERMAIN UPGRADES - 2016- 2017 SC	CW	S3	05	1,086	-255	0	0	0	831	0	831	0	0	258	0	573	0	0	0	0	0	831
Sub-total						90,853	95,823	106,818	121,355	113,594	528,443	564,300	1,092,743	0	0	196,095	0	896,648	0	0	0	0	0	1,092,743
<u>WAT906932 DIST W/M REHABILITATION</u>																								
0	3	10 YEAR WATERMAIN REHABILITATION	CW	S6	03	0	4,000	45,250	59,000	62,750	171,000	332,363	503,363	0	0	0	0	503,363	0	0	0	0	0	503,363
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	0	0	0	0	2,193	0	0	0	0	0	2,193
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	0	0	0	0	66,964	0	0	0	0	0	66,964
0	7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	0	0	0	0	5,748	0	0	0	0	0	5,748
0	30	CUT REPAIR	CW	S2	03	2,933	0	0	0	0	2,933	0	2,933	0	0	0	0	2,933	0	0	0	0	0	2,933
0	34	CUT REPAIR - FUTURE	CW	S6	03	0	0	4,300	4,300	4,300	12,900	21,500	34,400	0	0	0	0	34,400	0	0	0	0	0	34,400
0	50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	0	0	0	0	127	0	0	0	0	0	127
0	51	CUT REPAIR-2017 SC	CW	S3	03	367	3,300	0	0	0	3,667	0	3,667	0	0	0	0	3,667	0	0	0	0	0	3,667
0	52	WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	03	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	0	0	0	0	96,580	0	0	11,277	0	0	107,857
0	54	CATHODIC PROTECTION- 2017 SC	CW	S3	03	-1,198	888	0	0	0	-310	0	-310	0	0	0	0	-310	0	0	0	0	0	-310
Sub-total						77,764	76,166	74,140	72,877	71,625	372,572	354,370	726,942	0	0	0	0	715,665	0	0	11,277	0	0	726,942
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																								
0	4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM	CW	S6	02	0	2,900	7,800	12,000	12,000	34,700	60,000	94,700	0	0	0	0	94,700	0	0	0	0	0	94,700
0	6	10 YR WATER SERVICE REPAIR - SOGR	CW	S6	02	0	0	10,000	15,000	18,000	43,000	90,000	133,000	0	0	0	0	133,000	0	0	0	0	0	133,000
0	12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	18,219	5,000	0	0	0	23,219	0	23,219	0	0	0	0	23,219	0	0	0	0	0	23,219
0	19	2010 WSR	CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	32	WSR CUT REPAIR	CW	S2	03	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0	0	0	0	0	1,750
0	39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	35	0	0	0	0	35	0	35	0	0	0	0	35	0	0	0	0	0	35
0	41	2013 WSR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0	0	0	0	0	11
0	45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	0	4,000	4,000	4,000	12,000	20,000	32,000	0	0	0	0	32,000	0	0	0	0	0	32,000
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0	0	0	0	0	11

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Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																								
0	59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	2,277	736	2	0	0	3,015	0	3,015	0	0	0	0	3,015	0	0	0	0	0	3,015
0	68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	12,062	5,000	0	0	0	17,062	0	17,062	0	0	0	0	17,062	0	0	0	0	0	17,062
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,449	0	0	0	0	7,449	0	7,449	0	0	0	0	7,449	0	0	0	0	0	7,449
0	72	10 YR WATER SERVICE REPAIR - WITH WM SL	CW	S6	02	0	0	4,000	8,000	10,000	22,000	50,000	72,000	0	0	0	0	72,000	0	0	0	0	0	72,000
0	73	WATER SERVICE REPLACEMENT - TUNNEL	CW	S6	02	0	0	0	50	50	100	7,500	7,600	0	0	0	0	7,600	0	0	0	0	0	7,600
0	74	REPLACEMENT OF FROZEN SERVICES	CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0	0	0	0	0	1,750
0	78	2011 WSR	CW	S2	02	14	0	0	0	0	14	0	14	0	0	0	0	14	0	0	0	0	0	14
0	80	WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	CW	S3	02	-6,716	3,356	4,450	200	0	1,290	0	1,290	0	0	0	0	1,290	0	0	0	0	0	1,290
0	81	WSR CUT REPAIR-2017 SC	CW	S3	03	-250	1,500	0	0	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0	82	WATER SERVICE REPAIR - WM REHAB PROGRAM-2017 SC	CW	S3	02	1,723	7,500	7,000	2,000	0	18,223	0	18,223	0	0	0	0	18,223	0	0	0	0	0	18,223
0	83	WSR CUT REPAIRS WITH WM SL-2017 SC	CW	S3	02	-250	1,500	0	0	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0	84	2017 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	10,000	7,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000
0	85	2018 WATER SERVICE REPLACEMENT - SOGR	CW	S6	02	0	10,000	7,000	3,000	0	20,000	0	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000
0	86	2010 WSR- 2017 SC	CW	S3	02	0	215	0	0	0	215	0	215	0	0	0	0	215	0	0	0	0	0	215
0	87	2011 WSR- 2017 SC	CW	S3	02	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	88	2013 WSR- 2017 SC	CW	S3	02	0	100	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	89	2014 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	0	266	0	0	0	266	0	266	0	0	0	0	266	0	0	0	0	0	266
0	90	2015 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	-712	26	-2	0	0	-688	0	-688	0	0	0	0	-688	0	0	0	0	0	-688
0	91	2016 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	-8,622	2,611	0	0	0	-6,011	0	-6,011	0	0	0	0	-6,011	0	0	0	0	0	-6,011
Sub-total						39,757	48,710	48,250	44,250	44,050	225,017	227,500	452,517	0	0	0	0	452,517	0	0	0	0	0	452,517
<u>WAT906935 NEW SERVICE CONNECTIONS</u>																								
0	2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,000	0	0	0	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	22,000	7,500	0	0	0	29,500	0	29,500	0	0	0	0	29,500	0	0	0	0	0	29,500

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906935 NEW SERVICE CONNECTIONS</b>																							
0 14	NEW SERVICE CONNECTIONS - 10 Year	CW	S6	05	0	0	30,000	30,000	30,000	90,000	150,000	240,000	0	0	0	0	240,000	0	0	0	0	0	240,000
0 15	NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE	CW	S6	05	0	0	6,000	6,000	6,000	18,000	30,000	48,000	0	0	0	0	48,000	0	0	0	0	0	48,000
0 22	NEW SERVICE CONNECTIONS - SITE SERVICING-2017 SC	CW	S3	05	8,000	22,500	0	0	0	30,500	0	30,500	0	0	0	0	30,500	0	0	0	0	0	30,500
0 23	NEW SERVICE CONNECTIONS - CUT REPAIRS-2017 SC	CW	S3	05	0	5,200	0	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0	0	0	0	5,200
	Sub-total				35,000	35,200	36,000	36,000	36,000	178,200	180,000	358,200	0	0	0	0	358,200	0	0	0	0	0	358,200
<b>WAT906951 ENGINEERING</b>																							
0 2	CONSULTING FEES	CW	S2	03	11,563	11,457	7,307	6,554	2,313	39,194	0	39,194	0	0	0	0	39,194	0	0	0	0	0	39,194
0 5	10 YEAR ENGINEERING	CW	S6	03	0	27,683	38,989	46,419	47,274	160,365	265,249	425,614	0	0	0	0	425,614	0	0	0	0	0	425,614
0 57	PPFA SALARIES - FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	0	0	0	0	20,628	0	0	0	0	0	20,628
0 63	ROAD RESTORATION	CW	S2	03	6,005	0	0	0	0	6,005	0	6,005	0	0	0	0	6,005	0	0	0	0	0	6,005
0 69	LEGAL SERVICES SALARIES	CW	S3	03	205	0	0	0	0	205	0	205	0	0	0	0	205	0	0	0	0	0	205
0 70	ECS SALARIES	CW	S3	03	13,458	0	0	0	0	13,458	0	13,458	0	0	0	0	13,458	0	0	0	0	0	13,458
0 71	PPFA SALARIES	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0	0	0	0	2,292
0 72	ROAD RESTORATION- 2017 SC	CW	S3	03	-4,005	2,000	0	0	0	-2,005	0	-2,005	0	0	0	0	-2,005	0	0	0	0	0	-2,005
0 73	CONSULTING FEES- 2017 SC	CW	S3	03	1,182	678	3,045	148	1,448	6,501	6,861	13,362	0	0	0	0	13,362	0	0	0	0	0	13,362
0 74	PMMD SALARIES	CW	S4	03	263	0	0	0	0	263	0	263	0	0	0	0	263	0	0	0	0	0	263
	Sub-total				30,963	44,110	51,633	55,413	53,327	235,446	283,570	519,016	0	0	0	0	519,016	0	0	0	0	0	519,016
<b>WAT906977 ISLAND W.T.P. R&amp;R</b>																							
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	1,482	375	0	0	0	1,857	0	1,857	0	0	0	0	1,857	0	0	0	0	0	1,857
0 12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	2,320	0	0	0	0	2,320	0	2,320	0	0	0	0	2,320	0	0	0	0	0	2,320
0 25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	1,266	2,430	550	10	0	4,256	0	4,256	0	0	0	0	4,256	0	0	0	0	0	4,256
0 50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	2,738	3,440	12	0	0	6,190	0	6,190	0	0	0	0	6,190	0	0	0	0	0	6,190
0 51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	26	0	0	0	0	26	0	26	0	0	0	0	26	0	0	0	0	0	26

**CITY OF TORONTO**

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

<b>Water Program</b>						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906977 ISLAND W.T.P. R&amp;R</b>																							
0 53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	375	375	375	1,125	1,875	3,000	0	0	0	0	3,000	0	0	0	0	3,000	
0 54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	150	0	150	0	300	450	750	0	0	0	0	750	0	0	0	0	750	
0 69	Generators` DR3 Program	CW	S2	04	695	650	0	0	0	1,345	0	1,345	0	0	0	0	1,345	0	0	0	0	1,345	
0 70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,151	1,141	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0	0	0	2,292	
0 83	RAW WATER INTAKE CLEANING	CW	S2	03	1,090	0	0	0	0	1,090	0	1,090	0	0	0	0	1,090	0	0	0	0	1,090	
0 89	FACILITY & PROCESS UPGRADES-2017 SC	CW	S3	03	-865	0	0	0	0	-865	0	-865	0	0	0	0	-865	0	0	0	0	-865	
0 90	FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	CW	S3	03	-1,370	3,100	750	0	0	2,480	0	2,480	0	0	0	0	2,480	0	0	0	0	2,480	
0 91	TRAVELLING SCREEN REPLACEMENT-2017 SC	CW	S3	03	370	-2,330	150	2,740	0	930	0	930	0	0	0	0	930	0	0	0	0	930	
0 92	Generators` DR3 Program-2017 SC	CW	S3	04	-695	-570	695	650	0	80	0	80	0	0	0	0	80	0	0	0	0	80	
0 93	RAW WATER INTAKE CLEANING-2017 SC	CW	S3	03	-940	1,100	0	0	0	160	0	160	0	0	0	0	160	0	0	0	0	160	
0 95	ISLAND FILTER AIR SCOUR SYSTEM-2017 SC	CW	S3	04	0	56	0	0	0	56	0	56	0	0	3	0	53	0	0	0	0	56	
0 96	ISLAND ENWAVE/RETROFIT PROJECT-2017 SC	CW	S3	04	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4	
0 97	AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	CW	S3	03	-2,459	119	2,467	7	0	134	0	134	0	0	0	0	134	0	0	0	0	134	
0 98	CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017 SC	CW	S3	03	4	40	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	44	
0 99	PLANTWIDE HVAC UPGRADES- 2017 SC	CW	S3	04	-525	49	527	15	0	66	0	66	0	0	0	0	66	0	0	0	0	66	
0 100	RAW WATER INTAKE CLEANING - FUTURE	CW	S6	03	0	0	0	0	0	0	1,250	1,250	0	0	0	0	1,250	0	0	0	0	1,250	
Sub-total					4,297	9,750	5,526	3,947	375	23,895	3,575	27,470	0	0	3	0	27,467	0	0	0	0	27,470	
<b>WAT906979 D2/D4 TRUNK WATERMAIN UPGRADES</b>																							
0 11	JOS - VICTORIA PARK W/M - CONST	CW	S6	05	0	0	0	0	0	0	54,000	54,000	0	0	25,971	0	18,659	0	0	9,370	0	54,000	
0 26	JOS - VICTORIA PARK W/M _ ENGINEERING	CW	S6	05	0	0	0	300	600	900	2,100	3,000	0	0	1,444	0	1,036	0	0	520	0	3,000	
Sub-total					0	0	0	300	600	900	56,100	57,000	0	0	27,415	0	19,695	0	0	9,890	0	57,000	
<b>WAT907135 BAYVIEW TRUNK WATERMAIN - PH2</b>																							
0 5	HPEC W/M - BAYVIEW TO KEELE	CW	S6	05	0	0	400	500	400	1,300	103,450	104,750	0	0	65,173	0	39,577	0	0	0	0	104,750	
Sub-total					0	0	400	500	400	1,300	103,450	104,750	0	0	65,173	0	39,577	0	0	0	0	0	104,750
<b>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</b>																							

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</b>																							
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	6,613	13,272	5,506	0	0	25,391	0	25,391	0	0	25,391	0	0	0	0	0	0	25,391
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	4,592	0	0	0	0	4,592	0	4,592	0	0	4,592	0	0	0	0	0	0	4,592
0	9	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017SC	CW	S3	05	-3,613	-5,272	1,731	7,237	0	83	0	83	0	0	83	0	0	0	0	0	0	83
0	10	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2017SC	CW	S3	05	-4,092	3,842	3,842	0	0	3,592	0	3,592	0	0	3,592	0	0	0	0	0	0	3,592
Sub-total						3,500	11,842	11,079	7,237	0	33,658	0	33,658	0	0	33,658	0	0	0	0	0	0	33,658
<b>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</b>																							
0	1	REGENT PARK CAPITAL CONTRIBUTION - PHASE 2	CW	S2	05	596	1,391	812	44	71	2,914	40	2,954	0	0	2,954	0	0	0	0	0	0	2,954
0	13	REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 2017 SC	CW	S3	05	-596	-1,391	-812	-44	-71	-2,914	-40	-2,954	0	0	-2,954	0	0	0	0	0	0	-2,954
0	14	REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	CW	S4	05	812	1,909	864	1,398	812	5,795	146	5,941	0	0	5,941	0	0	0	0	0	0	5,941
Sub-total						812	1,909	864	1,398	812	5,795	146	5,941	0	0	5,941	0	0	0	0	0	0	5,941
<b>WAT907946 BUSINESS IT PROJECTS</b>																							
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	2,409	1,422	1,273	1,000	500	6,604	0	6,604	0	0	0	6,604	0	0	0	0	0	6,604
0	16	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 2017 SC	CW	S3	04	-1,679	158	2	325	500	-694	750	56	0	0	0	56	0	0	0	0	0	56
Sub-total						730	1,580	1,275	1,325	1,000	5,910	750	6,660	0	0	0	6,660	0	0	0	0	0	6,660
<b>WAT908087 TRUNK WATERMAIN</b>																							
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	2,456	10	0	0	0	2,466	0	2,466	0	0	0	2,466	0	0	0	0	0	2,466
0	4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	3,545	2,950	0	0	0	6,495	0	6,495	0	0	0	3,247	0	0	3,248	0	0	6,495
0	5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	1,100	1,900	14,200	24,750	41,950	124,300	166,250	0	0	0	166,250	0	0	0	0	0	166,250
0	6	3RD PARTY RELOCATIONS (METROLINX)	CW	S2	04	350	250	250	200	200	1,250	0	1,250	0	0	0	1,250	0	0	0	0	0	1,250
0	10	TRANSMISSION SYSTEM AUTOMATION- 2017 SC	CW	S3	04	-2,204	606	1,857	1,650	41	1,950	92	2,042	0	0	0	2,042	0	0	0	0	0	2,042
0	11	3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	CW	S3	04	-300	0	0	0	0	-300	0	-300	0	0	0	-300	0	0	0	0	0	-300
0	12	JOS - REVENUE METER REPLACEMENT- 2017 SC	CW	S3	03	-1,045	550	1,000	0	0	505	0	505	0	0	0	253	0	0	252	0	0	505
Sub-total						2,802	5,466	5,007	16,050	24,991	54,316	124,392	178,708	0	0	0	175,208	0	0	3,500	0	0	178,708
<b>WAT908248 WT&amp;S PLANTWIDE</b>																							
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	500	0	0	0	0	0	500

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
Sub-Project No.	Project Name	Ward	Stat.	Cat.		2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT908248 WT&amp;S PLANTWIDE</b>																								
0 2	UV DISINFECTION - ENGINEERING	CW	S6	04		0	0	0	710	350	1,060	10,945	12,005	0	0	0	0	12,005	0	0	0	0	0	12,005
0 3	UV DISINFECTION - CONSTRUCTION	CW	S6	04		0	0	0	0	0	0	93,000	93,000	0	0	0	0	93,000	0	0	0	0	0	93,000
0 4	ZEBRA MUSSEL CONTROL - ENG	CW	S4	04		650	404	474	666	130	2,324	48	2,372	0	0	0	0	2,372	0	0	0	0	0	2,372
0 5	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S6	04		0	130	2,230	5,840	700	8,900	0	8,900	0	0	0	0	8,900	0	0	0	0	0	8,900
0 6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04		690	600	1,200	1,400	800	4,690	1,600	6,290	0	0	377	0	4,026	0	0	1,887	0	0	6,290
0 7	STANDBY POWER - FUTURE	CW	S6	04		0	2,250	8,100	10,400	21,100	41,850	46,850	88,700	0	0	5,322	0	56,768	0	0	26,610	0	0	88,700
0 8	UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	CW	S3	04		-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0	0	0	0	0	-500
0 9	STANDBY POWER - PHASE 2 - ENG- 2017 SC	CW	S3	04		-140	425	-475	-550	-375	-1,115	1,025	-90	0	0	-3	0	-62	0	0	-25	0	0	-90
0 10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S4	04		250	1,250	500	1,350	1,290	4,640	780	5,420	0	0	0	0	5,420	0	0	0	0	0	5,420
0 11	UV DISINFECTION - ISLAND WTP - CONSTRUCTION	CW	S6	04		0	0	0	13,000	19,000	32,000	8,700	40,700	0	0	0	0	40,700	0	0	0	0	0	40,700
0 12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S4	04		200	915	730	105	5	1,955	0	1,955	0	0	117	0	1,250	0	0	588	0	0	1,955
Sub-total						1,650	5,974	12,759	32,921	43,000	96,304	162,948	259,252	0	0	5,813	0	224,379	0	0	29,060	0	0	259,252
<b>Total Program Expenditure</b>						392,232	473,181	457,170	472,669	452,556	2,247,808	2,297,722	4,545,530	0	0	384,837	0	4,084,924	0	0	75,769	0	0	4,545,530

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

Water Program					Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat. Cat.																		
Financed By:																						
		Development Charges			25,211	41,791	41,289	38,648	29,333	176,272	208,565	384,837	0	0	384,837	0	0	0	0	0	384,837	
		Reserve Funds (Ind."XR" Ref.)			349,987	421,253	405,935	427,742	416,235	2,021,152	2,063,772	4,084,924	0	0	0	0	0	0	0	0	4,084,924	
		Other2 (External)			17,034	10,137	9,946	6,279	6,988	50,384	25,385	75,769	0	0	0	0	0	0	75,769	0	75,769	
<b>Total Program Financing</b>					<b>392,232</b>	<b>473,181</b>	<b>457,170</b>	<b>472,669</b>	<b>452,556</b>	<b>2,247,808</b>	<b>2,297,722</b>	<b>4,545,530</b>	<b>0</b>	<b>0</b>	<b>384,837</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,769</b>	<b>0</b>	<b>4,545,530</b>

Status Code	Description
S2	S2 Prior Year (With 2017 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2017 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)
S6	S6 New - Future Year (Commencing in 2018 & Beyond)

Category Code	Description
01	Health and Safety C01
02	Legislated C02
03	State of Good Repair C03
04	Service Improvement and Enhancement C04
05	Growth Related C05
06	Reserved Category 1 C06
07	Reserved Category 2 C07



CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Wastewater Program

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAS000007 ASHBRIDGES BAY WWTP REHAB</u>																							
0 17	STANDBY POWER GENERATION	CW S2 04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5		
0 19	FERROUS UPGRADES	CW S2 03	15,695	5,853	5,955	0	0	27,503	0	27,503	0	0	2,224	0	25,279	0	0	0	0	0	27,503		
0 30	ELECTRICAL REHAB - ECAP	CW S2 01	4,542	1,710	35	0	0	6,287	0	6,287	0	0	0	0	6,287	0	0	0	0	0	6,287		
0 41	POLYMER UPGRADE	CW S2 03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	0	0	0	0	63,180	0	0	0	0	0	63,180		
0 46	REHAB OF GROUNDS & BUILDINGS	CW S2 03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10		
0 47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW S2 03	1,252	1,146	250	49	0	2,697	0	2,697	0	0	217	0	2,480	0	0	0	0	0	2,697		
0 49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW S2 04	193	0	0	0	0	193	0	193	0	0	15	0	178	0	0	0	0	0	193		
0 189	PROCESS AND EQUIPMENT	CW S2 03	1,796	26	27	0	0	1,849	0	1,849	0	0	0	0	1,849	0	0	0	0	0	1,849		
0 190	GROUND AND FACILITIES	CW S2 03	445	0	0	0	0	445	0	445	0	0	0	0	445	0	0	0	0	0	445		
0 200	PROCESS AND FACILITIES - FUTURE	CW S6 03	0	0	0	400	1,940	2,340	9,700	12,040	0	0	0	0	12,040	0	0	0	0	0	12,040		
0 215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW S2 03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	0	0	0	0	12,715	0	0	0	0	0	12,715		
0 216	OPERATIONS CENTRE - ENGINEERING	CW S2 03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400		
0 225	DIGESTER CLEANING & UPGRADES - FUTURE	CW S6 03	0	0	0	0	100	100	38,350	38,450	0	0	0	0	38,450	0	0	0	0	0	38,450		
0 226	ABTP - PROCESS ROADMAP PHASE 2	CW S2 05	1,225	500	250	0	0	1,975	0	1,975	0	0	0	0	1,975	0	0	0	0	0	1,975		
0 227	AIR HEADER REHAB	CW S2 03	727	1,700	0	0	0	2,427	0	2,427	0	0	0	0	2,427	0	0	0	0	0	2,427		
0 229	D BUILDING PHASE 2	CW S2 03	502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	0	0	0	0	12,102	0	0	0	0	0	12,102		
0 247	HEATING AND AIR SYSTEMS ASSESSMENT	CW S2 03	590	250	0	0	0	840	0	840	0	0	0	0	840	0	0	0	0	0	840		
0 248	SOILS MANAGEMENT PLAN	CW S2 03	200	100	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300		
0 255	FINAL TANK UPGRADES - TANKS 10 & 11	CW S6 03	0	100	1,700	1,700	500	4,000	0	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000		
0 256	DIGESTER CLEANING - 10 YEAR PLAN	CW S6 03	0	0	450	350	2,200	3,000	6,400	9,400	0	0	0	0	9,400	0	0	0	0	0	9,400		
0 264	HVAC CONVERSION Z-BLDG	CW S2 03	1,860	1,500	0	0	0	3,360	0	3,360	0	0	0	0	3,360	0	0	0	0	0	3,360		
0 265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2017 SC	CW S3 03	398	714	1,280	201	49	2,642	0	2,642	0	0	213	0	2,429	0	0	0	0	0	2,642		
0 266	PROCESS AND EQUIPMENT-2017 SC	CW S3 03	-563	1,756	1,100	1,100	0	3,393	0	3,393	0	0	0	0	3,393	0	0	0	0	0	3,393		
0 267	GROUND AND FACILITIES-2017 SC	CW S3 03	-4	440	440	440	0	1,316	0	1,316	0	0	0	0	1,316	0	0	0	0	0	1,316		



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAS000259 TRUNK SEWER SYSTEM</b>																							
0	18	BLACK CREEK STS DESIGN & CONSTRUCTION	CW	S6	05	0	400	1,100	2,750	9,300	13,550	174,450	188,000	0	0	63,748	0	124,252	0	0	0	0	188,000
0	27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	38,206	7,567	1,810	10	0	47,593	0	47,593	0	0	0	0	47,593	0	0	0	0	47,593
0	34	BLACK CREEK STS EA	CW	S2	05	1,177	0	0	0	0	1,177	0	1,177	0	0	0	0	1,177	0	0	0	0	1,177
0	36	TRUNK SEWER REPLACEMENT - FORECAST	CW	S6	03	0	150	400	550	5,275	6,375	20,247	26,622	0	0	0	0	26,622	0	0	0	0	26,622
0	47	TRUNK SEWER REHABILITATION - 2016	CW	S2	03	3,590	19,175	11,770	240	10	34,785	0	34,785	0	0	0	0	34,785	0	0	0	0	34,785
0	49	TRUNK SEWER REHABILITATION - 2014-2017 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	6,565	0	6,565	0	0	0	0	6,565	0	0	0	0	6,565
0	50	TRUNK SEWER REHABILITATION - 2016-2017 SC	CW	S3	03	260	3,171	258	492	4	4,185	0	4,185	0	0	0	0	4,185	0	0	0	0	4,185
0	52	TRUNK SEWER REHABILITATION - 2012-2017 SC	CW	S3	03	430	755	318	-1	15	1,517	0	1,517	0	0	0	0	1,517	0	0	0	0	1,517
0	53	TRUNK SEWER REHABILITATION - 2018	CW	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	0	0	0	0	104,131	0	0	0	0	104,131
0	54	BLACK CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	0	0	0	0	33	0	0	0	0	33
0	55	TRUNK SEWER REHABILITATION - FORECAST	CW	S6	03	0	0	0	55	55	110	149,802	149,912	0	0	0	0	149,912	0	0	0	0	149,912
Sub-total						31,492	48,735	34,688	34,971	44,575	194,461	372,580	567,041	0	0	63,748	0	503,293	0	0	0	0	567,041
<b>WAS000442 BASEMENT FLOODING RELIEF</b>																							
0	1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	0	0	0	11,000	0	0	0	0	11,000
0	8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	0	0	0	0	2,076	0	0	0	0	2,076
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	5,050	7,000	35,000	35,000	35,000	117,050	55,000	172,050	0	0	0	0	172,050	0	0	0	0	172,050
0	12	ROAD RESTORATION FOR BSMT FLDG PRJS	CW	S2	04	515	0	0	0	0	515	0	515	0	0	0	0	515	0	0	0	0	515
0	14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	0	0	0	0	2,306	0	0	0	0	2,306
0	18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	0	0	0	0	6,564	0	0	0	0	6,564
0	19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	0	0	0	0	131,404	0	0	0	0	131,404
0	20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	4,458	2,644	268	20	0	7,390	0	7,390	0	0	0	0	7,390	0	0	0	0	7,390
0	29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,268	55	0	0	0	2,323	0	2,323	0	0	0	0	2,323	0	0	0	0	2,323
0	52	BASEMENT FLOODING RELIEF - FUTURE	CW	S6	04	0	0	0	0	0	0	164,200	164,200	0	0	0	0	164,200	0	0	0	0	164,200
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	1,614	1,500	1,500	1,500	500	6,614	0	6,614	0	0	0	0	6,614	0	0	0	0	6,614

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS000442 BASEMENT FLOODING RELIEF</b>																								
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	11,794	17,820	21,560	21,930	21,930	95,034	57,279	152,313	0	0	0	0	152,313	0	0	0	0	0	152,313
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	10,755	5,500	0	0	0	16,255	0	16,255	0	0	0	0	16,255	0	0	0	0	0	16,255
0	84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	79	4,081	4,083	4,286	12,529	17,471	30,000	0	0	0	0	30,000	0	0	0	0	0	30,000
0	85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	0	750	750	3,750	4,500	0	0	0	0	4,500	0	0	0	0	0	4,500
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S4	04	10,788	36,775	66,350	72,859	85,700	272,472	494,806	767,278	0	0	0	0	767,278	0	0	0	0	0	767,278
0	90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	0	800	600	300	1,700	8,500	10,200	0	0	0	0	10,200	0	0	0	0	0	10,200
0	91	BASEMENT FLOODING DESIGN - GROUP 5	CW	S6	04	0	0	0	0	0	0	62,000	62,000	0	0	0	0	62,000	0	0	0	0	0	62,000
0	93	BASEMENT FLOODING PROTECTION SUBSIDY PROG - FUTURE	CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	0	0	0	0	38,500	0	0	0	0	0	38,500
0	102	BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	0	0	0	0	-491	0	0	0	0	0	-491
0	103	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2017 SC	CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	0	0	0	0	1,400	0	0	0	0	0	1,400
0	104	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	0	0	0	0	-68,743	0	0	0	0	0	-68,743
0	105	BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	0	0	0	0	235	0	0	0	0	0	235
0	106	BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	0	0	0	0	-20,307	0	0	0	0	0	-20,307
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S4	04	8,486	13,164	7,840	6,388	5,000	40,878	0	40,878	0	0	0	0	40,878	0	0	0	0	0	40,878
0	108	LIDAR PURCHASE	CW	S4	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	0	0	0	0	194	0	0	0	0	0	194
0	110	BASEMENT FLOODING PROTECTION SUBSIDY PROG- 2017 SC	CW	S3	04	0	0	5,500	0	0	5,500	0	5,500	0	0	0	0	5,500	0	0	0	0	0	5,500
0	111	BASEMENT FLOODING STUDIES & EAS- 2017 SC	CW	S3	04	215	249	0	0	100	564	0	564	0	0	0	0	564	0	0	0	0	0	564
0	112	BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	0	0	0	0	-241	0	0	0	0	0	-241
0	113	BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	0	0	0	0	-641	0	0	0	0	0	-641
0	114	ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	CW	S3	04	-515	0	0	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	0	-515
0	115	BASEMENT FLOODING STUDIES&EA'S-CW IMPLEMENT 2017SC	CW	S3	04	-6,946	-2,242	3,550	2,850	1,800	-988	3,650	2,662	0	0	0	0	2,662	0	0	0	0	0	2,662
0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC	CW	S3	04	-715	-574	-546	-518	-500	-2,853	0	-2,853	0	0	0	0	-2,853	0	0	0	0	0	-2,853



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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By													
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
<u>WAS906331 SWM SOURCE CONTROL PROG</u>																										
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300		
Sub-total						150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300		
<u>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</u>																										
0	1	ODOUR CONTROL UPGRADES - PHASE 1 CW ENG	CW	S2	04	524	1,020	917	100	5	2,566	0	2,566	0	0	206	0	2,360	0	0	0	0	0	2,566		
0	2	ODOUR CONTROL UPGRADES - PHASE 1 CW CONSTR	CW	S2	02	15,000	15,000	5,205	0	0	35,205	0	35,205	0	0	2,833	0	32,372	0	0	0	0	0	35,205		
0	3	ODOUR CONTROL UPGRADES - PHASE 2 CW	CW	S6	02	0	0	0	400	1,000	1,400	33,700	35,100	0	0	1,541	0	33,559	0	0	0	0	0	35,100		
0	20	ODOUR CONTROL UPGRADES - PHASE 1 CW ENG-2017 SC	CW	S3	04	476	-400	-477	339	1	-61	0	-61	0	0	-6	0	-55	0	0	0	0	0	-61		
0	21	ODOUR CONTROL UPGRADES - PHASE 1 CW CONSTR- 2017 SC	CW	S3	02	-1,999	-7,000	1,000	6,117	0	-1,882	0	-1,882	0	0	-152	0	-1,730	0	0	0	0	0	-1,882		
Sub-total						14,001	8,620	6,645	6,956	1,006	37,228	33,700	70,928	0	0	4,422	0	66,506	0	0	0	0	0	0	70,928	
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																										
0	3	PCS-PLANT SRVS	CW	S2	04	30	0	0	0	0	30	0	30	0	0	2	0	28	0	0	0	0	0	30		
0	48	PCS-PLANT SRVS- 2017 SC	CW	S3	04	10	177	0	0	0	187	0	187	0	0	15	0	172	0	0	0	0	0	187		
Sub-total						40	177	0	0	0	217	0	217	0	0	17	0	200	0	0	0	0	0	0	217	
<u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>																										
0	22	PCS PLANT SERVICES	CW	S4	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
Sub-total						1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	
<u>WAS906488 HUMBER T.P. - II YR2004</u>																										
0	2	PCS PLANT SERVICES	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2		
0	24	PCS PLANT SERVICES- 2017 SC	CW	S3	04	-1	8	0	0	0	7	0	7	0	0	1	0	6	0	0	0	0	0	7		
Sub-total						1	8	0	0	0	9	0	9	0	0	1	0	8	0	0	0	0	0	0	9	
<u>WAS906492 WET WEATHER FLOW MP</u>																										
0	1	SWM INA/EA	CW	S2	04	650	350	50	0	0	1,050	0	1,050	0	0	84	0	966	0	0	0	0	0	1,050		
0	2	PUBLIC EDUCATION	CW	S2	04	550	0	0	0	0	550	0	550	0	0	44	0	506	0	0	0	0	0	550		
0	10	10 YEAR SWM - CONVEYANCE	CW	S6	04	0	0	4,500	6,000	6,000	16,500	30,000	46,500	0	0	3,743	0	42,757	0	0	0	0	0	46,500		
0	11	10YR WWFMP PUBLIC EDUCATION	CW	S6	04	0	0	610	610	610	1,830	3,050	4,880	0	0	392	0	4,488	0	0	0	0	0	4,880		



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS906495 SEWER ASSET PLANNING</b>																							
0 18	SEWER SYSTEM INSPECTION - 10 YEAR PLAN	CW	S6	03	0	0	0	0	5,000	5,000	50,000	55,000	0	0	0	0	55,000	0	0	0	0	55,000	
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	225	0	0	0	0	225	0	225	0	0	0	0	225	0	0	0	0	225	
0 22	PPD - INFRASTRUCTURE PLANNING STUDIES - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	0	0	0	1,200	0	0	0	0	1,200	
0 31	SEWER ASSET PLANNING-2017 SC	CW	S3	03	349	3,575	2,994	0	0	6,918	0	6,918	0	0	558	0	6,360	0	0	0	0	6,918	
0 32	SEWER SYSTEM INSPECTION-2017 SC	CW	S3	03	293	9,541	-4,255	-1,000	-5,495	-916	0	-916	0	0	0	0	-916	0	0	0	0	-916	
0 33	PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	CW	S3	05	-75	150	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	75	
0 34	CORP IT - IDC	CW	S4	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	0	0	0	147	
Sub-total					14,933	29,607	16,479	14,905	9,650	85,574	75,750	161,324	0	0	3,262	0	158,062	0	0	0	0	161,324	
<b>WAS906500 NEW SEWER CONSTRUCTION</b>																							
0 4	NEW SEWERS - FUTURE	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	2,712	0	5,288	0	0	0	0	8,000	
0 5	NEW SEWERS	CW	S2	05	506	0	0	0	0	506	0	506	0	0	315	0	191	0	0	0	0	506	
0 24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	0	0	0	0	8,000	8,000	32,000	40,000	0	0	20,000	0	20,000	0	0	0	0	40,000	
0 25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	1,495	2,000	4,500	0	0	7,995	0	7,995	0	0	7,995	0	0	0	0	0	0	7,995	
0 31	WATERFRONT SANITARY MASTER SERVICING PLAN-2017 SC	CW	S3	05	500	2,000	5,000	5,000	-8,000	4,500	-32,000	-27,500	0	0	-13,750	0	-13,750	0	0	0	0	-27,500	
0 33	NEW SEWERS- 2017 SC	CW	S3	05	-491	560	0	0	0	69	0	69	0	0	42	0	27	0	0	0	0	69	
0 34	WATERFRONT SANITARY MASTER SERVICING PLAN - FUTURE	CW	S6	05	0	0	0	0	0	0	21,000	21,000	0	0	5,723	0	15,277	0	0	0	0	21,000	
0 35	DOWNSVIEW LANDS EXTERNAL UPGRADES- 2017 SC	CW	S3	05	-45	3,000	-2,950	0	0	5	0	5	0	0	5	0	0	0	0	0	0	5	
0 36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S6	05	0	1,000	2,000	1,000	0	4,000	0	4,000	0	0	1,356	0	2,644	0	0	0	0	4,000	
Sub-total					1,965	8,560	9,550	7,000	1,000	28,075	26,000	54,075	0	0	24,398	0	29,677	0	0	0	0	54,075	
<b>WAS906501 YARD &amp; BUILDING RENOVATION</b>																							
0 11	YARDS & BUILDING RENOVATION	CW	S2	04	2	2	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4	
Sub-total					2	2	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4	
<b>WAS906735 DIST SEWER REHAB OPS YR2005</b>																							
0 10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	6	



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**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906735 DIST SEWER REHAB OPS YR2005</u>																								
0	18	GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2017 SC	CW	S3	03	-3	12	69	0	0	78	0	78	0	0	7	0	71	0	0	0	0	78	
Sub-total						3	12	69	0	0	84	0	84	0	0	7	0	77	0	0	0	0	84	
<u>WAS906741 HIGHLAND CREEK TP YR2005</u>																								
0	1	WAS THICKENING AND DEWATERING - ENG	CW	S2	03	40	6	0	0	0	46	0	46	0	0	3	0	43	0	0	0	0	46	
0	19	WAS THICKENING AND DEWATERING - ENG- 2017 SC	CW	S3	03	-27	4	0	0	0	-23	0	-23	0	0	-1	0	-22	0	0	0	0	-23	
Sub-total						13	10	0	0	0	23	0	23	0	0	2	0	21	0	0	0	0	23	
<u>WAS906742 HUMBER TP YR2005</u>																								
0	8	ODOUR CONTROL ENGINEERING	CW	S2	04	1,275	100	60	0	0	1,435	0	1,435	0	0	0	0	1,435	0	0	0	0	1,435	
0	56	ODOUR CONTROL ENGINEERING-2017 SC	CW	S3	04	-74	410	540	100	20	996	0	996	0	0	0	0	996	0	0	0	0	996	
Sub-total						1,201	510	600	100	20	2,431	0	2,431	0	0	0	0	2,431	0	0	0	0	0	2,431
<u>WAS906743 ASHRIDGES BAY TP YR2005</u>																								
0	1	MISC MECH ENGINEERING	CW	S2	03	786	838	87	0	0	1,711	0	1,711	0	0	138	0	1,573	0	0	0	0	1,711	
0	7	SERVICE AIR UPGRADES	CW	S2	03	2,885	1,497	150	0	0	4,532	0	4,532	0	0	0	0	4,532	0	0	0	0	4,532	
0	59	MISC MECH ENGINEERING- 2017 SC	CW	S3	03	-386	-438	395	80	0	-349	0	-349	0	0	-29	0	-320	0	0	0	0	-349	
0	60	SERVICE AIR UPGRADES- 2017 SC	CW	S3	03	-1,785	949	-75	0	0	-911	0	-911	0	0	0	0	-911	0	0	0	0	-911	
Sub-total						1,500	2,846	557	80	0	4,983	0	4,983	0	0	109	0	4,874	0	0	0	0	0	4,983
<u>WAS906755 WESTERN BEACHES RETROFIT</u>																								
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	4,709	3,092	1,057	15	86	8,959	0	8,959	0	0	721	0	8,238	0	0	0	0	8,959	
0	15	WESTERN BEACHES RETROFIT- 2017 SC	CW	S3	03	-3,489	2,224	5,285	5,870	-71	9,819	86	9,905	0	0	798	0	9,107	0	0	0	0	9,905	
Sub-total						1,220	5,316	6,342	5,885	15	18,778	86	18,864	0	0	1,519	0	17,345	0	0	0	0	0	18,864
<u>WAS906926 OPERATIONAL SUPPORT</u>																								
0	6	FACILITY RENOVATION	CW	S2	04	1,450	1,000	0	0	0	2,450	0	2,450	0	0	0	0	2,450	0	0	0	0	2,450	
0	7	RENOVATION - MERTON STREET	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	5	
0	23	EMP MONITORING NEEDS	CW	S2	04	95	0	0	0	0	95	0	95	0	0	0	0	95	0	0	0	0	95	
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	4,119	5,309	5,808	4,024	24	19,284	0	19,284	0	0	0	0	19,284	0	0	0	0	19,284	

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906926 OPERATIONAL SUPPORT</u>																									
0	71	YARD & FACILITIES - 10 YEAR PLAN	CW	S6	03	0	0	525	1,275	1,275	3,075	6,375	9,450	0	0	0	0	9,450	0	0	0	0	0	9,450	
0	95	DIVISIONAL SECURITY - BACKLOG	CW	S6	04	0	0	605	605	605	1,815	3,025	4,840	0	0	0	0	4,840	0	0	0	0	0	4,840	
0	98	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	100	DIVISIONAL SECURITY	CW	S2	04	1,025	0	0	0	0	1,025	0	1,025	0	0	0	0	1,025	0	0	0	0	0	1,025	
0	105	BACKUP POWER - FINCH AND DEE	CW	S4	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0	107	OFFICE MODERNIZATION - MH18	CW	S4	04	625	1,875	0	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500	
0	108	DIVISIONAL SECURITY- 2017 SC	CW	S3	04	0	1,030	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030	
0	109	FACILITY RENOVATION- 2017 SC	CW	S3	04	-700	-250	750	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200	
0	110	RENOVATION - MERTON STREET- 2017 SC	CW	S3	04	0	20	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20	
0	111	DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	CW	S3	02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200	
0	112	EMP MONITORING NEEDS- 2017 SC	CW	S3	04	-45	50	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5	
0	113	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 SC	CW	S3	04	91	203	-793	725	27	253	0	253	0	0	0	0	253	0	0	0	0	0	253	
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S4	04	250	250	1,000	2,000	400	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900	
Sub-total						7,415	9,487	7,895	8,629	2,331	35,757	9,400	45,157	0	0	0	0	45,157	0	0	0	0	0	45,157	
<u>WAS906958 SEWER SYSTEM REHABILITATION</u>																									
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	0	0	1	0	9	0	0	0	0	0	10	
0	5	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	0	0	0	0	59	0	0	0	0	0	59	
0	7	10 YEAR SEWER REHABILITATION	CW	S6	03	0	1,500	41,400	51,900	57,945	152,745	305,230	457,975	0	0	0	0	457,975	0	0	0	0	0	457,975	
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	561	0	0	0	0	561	0	561	0	0	45	0	516	0	0	0	0	0	561	
0	9	SEWER REHABILITATION	CW	S2	03	9,700	3,581	0	0	0	13,281	0	13,281	0	0	0	0	13,281	0	0	0	0	0	13,281	
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	163	0	0	0	0	163	0	163	0	0	13	0	150	0	0	0	0	0	163	
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	7,708	6,300	6,165	1,928	28	22,129	0	22,129	0	0	1,781	0	20,348	0	0	0	0	0	22,129	
0	79	SEWER REHABILITATION - CWD	CW	S2	03	34,274	15,250	0	0	0	49,524	0	49,524	0	0	3,551	0	45,973	0	0	0	0	0	49,524	
0	81	CCTV INSPECTION-2017 SC	CW	S3	03	1,141	1,200	0	0	0	2,341	0	2,341	0	0	0	0	2,341	0	0	0	0	0	2,341	

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**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS906958 SEWER SYSTEM REHABILITATION</b>																									
0	82	SEWER REHABILITATION-2017 SC	CW	S3	03	14,453	12,580	6,036	36	0	33,105	0	33,105	0	0	0	0	33,105	0	0	0	0	0	33,105	
0	83	SEWER REHABILITATION - CWD-2017 SC	CW	S3	03	4,258	23,711	18,200	1,700	1,700	49,569	1,850	51,419	0	0	-3,551	0	54,970	0	0	0	0	0	51,419	
0	86	SEWAGE PUMPING STATION STANDBY POWER - 2017 SC	CW	S3	02	-144	114	0	0	0	-30	0	-30	0	0	-2	0	-28	0	0	0	0	0	-30	
0	87	GROUPS 2 3 4 SEWAGE PUMPING STATION UPGR- 2017 SC	CW	S3	03	0	32	0	0	0	32	0	32	0	0	3	0	29	0	0	0	0	0	32	
0	88	SPS SCADA UPGRADES - ENGINEERING- 2017 SC	CW	S3	04	-173	214	0	0	0	41	0	41	0	0	3	0	38	0	0	0	0	0	41	
0	89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017 SC	CW	S3	05	-4,308	0	100	2,000	2,100	-108	0	-108	0	0	-9	0	-99	0	0	0	0	0	-108	
0	90	SEWER REHABILITATION - LATERAL REHAB I/I REDUCTION	CW	S6	03	0	0	100	1,000	1,000	2,100	200	2,300	0	0	0	0	2,300	0	0	0	0	0	2,300	
Sub-total						67,702	64,482	72,001	58,564	62,773	325,522	307,280	632,802	0	0	1,835	0	630,967	0	0	0	0	0	632,802	
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																									
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	42	0	0	0	0	42	0	42	0	0	3	0	39	0	0	0	0	0	42	
0	5	10 YEAR STREAM RESTORATION - ALL DISTRICTS	CW	S6	03	0	0	0	0	0	0	38,950	38,950	0	0	3,135	0	35,815	0	0	0	0	0	38,950	
0	7	STREAM RESTORATION	CW	S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	0	0	1,192	0	13,619	0	0	0	0	0	14,811	
0	37	WATERCOURSE EROSION CONTROL	CW	S6	03	0	0	0	0	0	0	11,000	11,000	0	0	887	0	10,113	0	0	0	0	0	11,000	
0	39	STREAM RESTORATION - PHASE 2	CW	S2	03	2,850	8,350	8,800	4,400	2,200	26,600	9,790	36,390	0	0	2,927	0	33,463	0	0	0	0	0	36,390	
0	41	WATERCOURSE - ENGINEERING	CW	S4	03	100	1,175	1,135	1,025	1,030	4,465	1,490	5,955	0	0	480	0	5,475	0	0	0	0	0	5,955	
0	43	PARTNER PROJECTS	CW	S4	03	1,000	1,600	1,600	600	200	5,000	0	5,000	0	0	403	0	4,597	0	0	0	0	0	5,000	
0	45	WATERCOURSE - CONSTRUCTION	CW	S6	03	0	100	4,050	10,600	9,130	23,880	14,000	37,880	0	0	3,051	0	34,829	0	0	0	0	0	37,880	
0	48	STREAM RESTORATION - 2017 SC	CW	S3	03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	0	-943	0	-10,773	0	0	0	0	0	-11,716	
0	49	STREAM RESTORATION - PHASE 2 - 2017 SC	CW	S3	03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	0	-2,927	0	-33,463	0	0	0	0	0	-36,390	
0	50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	0	1	0	2	0	0	0	0	0	3	
0	51	STUDIES, EAs, MASTER PLANS	CW	S4	03	910	1,740	1,930	860	410	5,850	50	5,900	0	0	474	0	5,426	0	0	0	0	0	5,900	
0	52	CRITICAL REPAIRS	CW	S4	03	825	1,775	1,500	1,275	1,575	6,950	2,555	9,505	0	0	766	0	8,739	0	0	0	0	0	9,505	
0	53	EMERGENCY EROSION CONTROL	CW	S4	03	300	740	850	300	300	2,490	150	2,640	0	0	212	0	2,428	0	0	0	0	0	2,640	

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**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																							
0 54	STUDY, EA, MASTER PLAN UPDATES - FUTURE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	0	0	200	0	2,300	0	0	0	0	0	2,500
	Sub-total				5,986	7,419	11,065	14,660	12,645	51,775	70,695	122,470	0	0	9,861	0	112,609	0	0	0	0	0	122,470
<b>WAS906966 SWM TRCA FUNDING</b>																							
0 8	10 YEAR TRCA FUNDING	CW	S6	04	0	4,382	4,491	4,604	4,719	18,196	25,425	43,621	0	0	3,511	0	40,110	0	0	0	0	0	43,621
0 23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	CW	S3	04	4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0	0	0	0	0	4,275
	Sub-total				4,275	4,382	4,491	4,604	4,719	22,471	25,425	47,896	0	0	3,855	0	44,041	0	0	0	0	0	47,896
<b>WAS906968 ENGINEERING</b>																							
0 2	CONSULTING FEES	CW	S2	03	13,978	9,453	6,307	5,554	1,313	36,605	0	36,605	0	0	0	0	36,605	0	0	0	0	0	36,605
0 59	ROAD RESTORATION	CW	S2	03	1,838	0	0	0	0	1,838	0	1,838	0	0	0	0	1,838	0	0	0	0	0	1,838
0 64	CONSULTING FEES	CW	S3	03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	0	0	0	0	10,040	0	0	0	0	0	10,040
0 65	ECS SALARIES	CW	S3	03	13,936	0	0	0	0	13,936	0	13,936	0	0	0	0	13,936	0	0	0	0	0	13,936
0 66	ROAD RESTORATION- 2017 SC	CW	S3	03	-1,038	800	0	0	0	-238	0	-238	0	0	0	0	-238	0	0	0	0	0	-238
	Sub-total				26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	0	0	0	62,181	0	0	0	0	0	62,181
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																							
0 3	10YR SEWER REPLACEMENT	CW	S6	03	0	0	9,000	15,000	15,000	39,000	75,000	114,000	0	0	5,001	0	108,999	0	0	0	0	0	114,000
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 25	2012 SEWER REPLC	CW	S2	03	415	0	0	0	0	415	0	415	0	0	0	0	415	0	0	0	0	0	415
0 35	2013 SEWER REPLC	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	631	0	0	0	0	631	0	631	0	0	2	0	629	0	0	0	0	0	631
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW	S6	03	0	0	0	1,000	2,000	3,000	10,000	13,000	0	0	0	0	13,000	0	0	0	0	0	13,000
0 46	EBF REPORT	CW	S2	04	41	0	0	0	0	41	0	41	0	0	27	0	14	0	0	0	0	0	41
0 52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,951	1,900	1,786	0	0	5,637	0	5,637	0	0	0	0	5,637	0	0	0	0	0	5,637
0 55	SEWER REPLACEMENT - LESLIE ST 2017 SC	CW	S3	03	147	0	0	0	0	147	0	147	0	0	12	0	135	0	0	0	0	0	147
0 62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	0	0	137	0	1,556	0	0	0	0	0	1,693
0 71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	0	0	1,194	0	13,638	0	0	0	0	0	14,832

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																							
0 75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	0	0	0	0	23,475	0	0	0	0	23,475	
0 78	SEWER REPLC - 2017 PROGRAM	CW	S4	03	4,898	2,047	1,257	0	0	8,202	0	8,202	0	0	660	0	7,542	0	0	0	0	8,202	
0 79	SEWER REPLC - 2018 PROGRAM	CW	S6	03	0	4,266	1,216	608	0	6,090	0	6,090	0	0	267	0	5,823	0	0	0	0	6,090	
0 81	SEWER REPLC - 2014 PROGRAM - 2017 SC	CW	S3	03	-607	335	0	0	0	-272	0	-272	0	0	27	0	-299	0	0	0	0	-272	
0 82	SEWER REPLACEMENT - METROLINX - 2017 SC	CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	0	0	0	0	540	0	0	0	0	540	
0 83	FORCEMAIN REPLACEMENT- 2017 SC	CW	S3	03	-5	25	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	20	
0 84	2012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	0	0	0	0	-293	0	0	0	0	-293	
0 85	EBF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	0	0	627	0	332	0	0	0	0	959	
0 86	EBF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	0	0	2,905	0	1,537	0	0	0	0	4,442	
0 87	SEWER REPLC - 2015 PROGRAM- 2017 SC	CW	S3	03	314	505	0	0	0	819	0	819	0	0	65	0	754	0	0	0	0	819	
0 88	SEWER REPLC - 2016 PROGRAM- 2017 SC	CW	S3	03	-4,021	4,788	0	0	0	767	0	767	0	0	62	0	705	0	0	0	0	767	
0 89	FORCEMAIN REPLACEMENT - 2016- 2017 SC	CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	0	0	0	0	-1,250	0	0	0	0	-1,250	
Sub-total					19,132	27,950	24,334	18,549	18,941	108,906	85,000	193,906	0	0	10,986	0	182,920	0	0	0	0	193,906	
<b>WAS906980 ASHBRIDGES BAY T.P. YR2006</b>																							
0 9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	0	0	100	0	1,148	0	0	0	0	1,248	
0 42	DEWATERING EQUIPMENT UPGRADES- 2017 SC	CW	S3	03	-1,248	0	0	0	0	-1,248	0	-1,248	0	0	-100	0	-1,148	0	0	0	0	-1,248	
Sub-total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																							
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	0	0	0	0	5,828	0	0	0	0	5,828	
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,075	120	120	70	0	10,385	0	10,385	0	0	842	0	9,543	0	0	0	0	10,385	
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	510	500	0	0	0	1,010	0	1,010	0	0	81	0	929	0	0	0	0	1,010	
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0	0	0	0	671	
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	9,238	2,525	1,300	0	0	13,063	0	13,063	0	0	0	0	13,063	0	0	0	0	13,063	
0 23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	0	0	0	0	10,207	0	0	0	0	10,207	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906981 HIGHLAND CREEK WWTP UPGRADES</u>																								
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	390	0	0	0	0	390	0	390	0	0	0	0	390	0	0	0	0	0	390
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	998	1,500	0	0	0	2,498	0	2,498	0	0	0	0	2,498	0	0	0	0	0	2,498
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	250	124	81	85	0	540	0	540	0	0	0	0	540	0	0	0	0	0	540
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	245	0	0	0	0	245	0	245	0	0	0	0	245	0	0	0	0	0	245
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S2	03	1,240	0	0	0	0	1,240	0	1,240	0	0	0	0	1,240	0	0	0	0	0	1,240
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	5,851	4,656	1,400	0	0	11,907	0	11,907	0	0	0	0	11,907	0	0	0	0	0	11,907
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	10,090	12,000	12,000	10,900	10,000	54,990	0	54,990	0	0	0	0	54,990	0	0	0	0	0	54,990
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	8,100	6,500	8,600	3,700	3,100	30,000	18,680	48,680	0	0	0	0	48,680	0	0	0	0	0	48,680
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	122,000	122,000	0	0	0	0	122,000	0	0	0	0	0	122,000
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000
0	105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6	03	0	0	0	0	0	0	41,100	41,100	0	0	0	0	41,100	0	0	0	0	0	41,100
0	123	COMMUNICATION SYSTEM	CW	S2	04	400	650	1,900	400	50	3,400	0	3,400	0	0	0	0	3,400	0	0	0	0	0	3,400
0	124	BIOSOLIDS TREATMENT UPGRADES -2017 SC	CW	S3	03	-4,575	3,567	-99	-70	0	-1,177	0	-1,177	0	0	-97	0	-1,080	0	0	0	0	0	-1,177
0	125	TRANSFORMERS AND SWITCHGEAR-2017 SC	CW	S3	05	-500	-310	800	500	0	490	0	490	0	0	39	0	451	0	0	0	0	0	490
0	126	ELEC SYSTEM UPGRADES - CONSTR-2017 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	0	0	0	0	-350	0	0	0	0	0	-350
0	127	CEPA COMPLIANCE - CL NOTICE - HCTP-2017 SC	CW	S3	02	-498	-200	4,000	1,300	550	5,152	50	5,202	0	0	0	0	5,202	0	0	0	0	0	5,202
0	128	DIGESTER GAS SYSTEM UPGRADES-2017 SC	CW	S3	03	-4,138	2,552	3,700	5,500	0	7,614	0	7,614	0	0	0	0	7,614	0	0	0	0	0	7,614
0	129	LIQUID TRAIN - ENGINEERING-2017 SC	CW	S3	03	-6,000	-4,200	100	0	0	-10,100	11,800	1,700	0	0	0	0	1,700	0	0	0	0	0	1,700
0	130	LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	CW	S3	03	-5,001	500	1,600	2,000	900	-1	0	-1	0	0	0	0	-1	0	0	0	0	0	-1
0	131	AERATION SYSTEM&ASSOCIATED BLDG UPGRADES -2017 SC	CW	S3	04	-8,090	2,000	2,000	2,000	2,100	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	132	PROCESS & FACILITY UPGRADE- 2017 SC	CW	S3	04	-1,912	1,426	400	209	512	635	0	635	0	0	0	0	635	0	0	0	0	0	635
0	133	MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	CW	S3	03	-357	120	0	0	0	-237	0	-237	0	0	0	0	-237	0	0	0	0	0	-237
0	134	ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	03	-634	173	-2,430	-1,210	0	-4,101	0	-4,101	0	0	0	0	-4,101	0	0	0	0	0	-4,101
0	135	DIGESTER CLEANING REHAB IMPROVEMENTS #4-7- 2017 SC	CW	S3	03	0	-30	39	-39	15	-15	14	-1	0	0	0	0	-1	0	0	0	0	0	-1

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Wastewater Program

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																							
0	136	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 SC	CW	S3	03	-195	100	100	0	0	5	0	5	0	0	0	0	5	0	0	0	0	5
0	137	PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	CW	S3	03	-1,240	0	0	0	0	-1,240	0	-1,240	0	0	0	0	-1,240	0	0	0	0	-1,240
0	138	COMMUNICATION SYSTEM- 2017 SC	CW	S3	04	-300	-475	-1,425	1,100	1,200	100	50	150	0	0	0	0	150	0	0	0	0	150
Sub-total						18,355	35,168	42,531	29,003	19,567	144,624	196,229	340,853	0	0	865	0	339,988	0	0	0	0	340,853
<b>WAS906982 HUMBER WWTP UPGRADES</b>																							
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	451	0	0	0	0	451	0	451	0	0	0	0	451	0	0	0	0	451
0	5	FLOOD PROTECTION	CW	S2	02	180	0	0	0	0	180	0	180	0	0	0	0	180	0	0	0	0	180
0	6	NEW SUBSTATION	CW	S2	03	42	5	0	0	0	47	0	47	0	0	0	0	47	0	0	0	0	47
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,885	2,200	1,100	23	23	6,231	0	6,231	0	0	0	0	6,231	0	0	0	0	6,231
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	670	410	160	25	25	1,290	0	1,290	0	0	0	0	1,290	0	0	0	0	1,290
0	52	HVAC UPGRADES	CW	S2	03	7,390	667	17	0	0	8,074	0	8,074	0	0	0	0	8,074	0	0	0	0	8,074
0	81	BLOWER REPLACEMENT	CW	S2	03	475	0	100	200	750	1,525	17,350	18,875	0	0	0	0	18,875	0	0	0	0	18,875
0	82	DIGESTERS CLEANING REHAB	CW	S6	03	0	550	1,400	1,500	1,500	4,950	1,550	6,500	0	0	0	0	6,500	0	0	0	0	6,500
0	83	ELECTRICAL UPGRADES - FUTURE	CW	S6	01	0	0	0	0	400	400	1,800	2,200	0	0	0	0	2,200	0	0	0	0	2,200
0	84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	5,150	5,150	0	0	0	0	5,150	0	0	0	0	5,150
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,509	0	0	0	0	1,509	0	1,509	0	0	0	0	1,509	0	0	0	0	1,509
0	99	WET WEATHER FLOW	CW	S2	04	2,315	1,450	1,000	0	0	4,765	0	4,765	0	0	0	0	4,765	0	0	0	0	4,765
0	101	FLOOD PROTECTION-2017 SC	CW	S3	02	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	20
0	102	HVAC UPGRADES-2017 SC	CW	S3	03	-2,598	3,483	2,133	17	17	3,052	0	3,052	0	0	0	0	3,052	0	0	0	0	3,052
0	103	BLOWER REPLACEMENT-2017 SC	CW	S3	03	-225	250	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	25
0	104	REPLACEMENT OF WASTE GAS BURNERS-2017 SC	CW	S3	03	-1,159	1,800	4,500	2,700	50	7,891	50	7,941	0	0	0	0	7,941	0	0	0	0	7,941
0	105	WET WEATHER FLOW-2017 SC	CW	S3	04	-1,715	250	500	1,000	0	35	0	35	0	0	0	0	35	0	0	0	0	35
0	107	MESI UPGRADES	CW	S4	03	500	500	500	500	500	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	2,500
0	108	BUILDING UPGRADES ENGINEERING- 2017 SC	CW	S3	03	30	100	0	0	0	130	0	130	0	0	0	0	130	0	0	0	0	130





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**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC</b>																									
0 7		CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100	
0 19		BIO GAS UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	0	0	0	0	4,435	0	0	0	0	0	4,435	
0 21		BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	850	1,950	2,455	30	30	5,315	0	5,315	0	0	0	0	5,315	0	0	0	0	0	5,315	
0 40		GROVE LANDSCAPING - PHASE 2	CW	S6	04	0	0	0	0	0	0	1,300	1,300	0	0	0	0	1,300	0	0	0	0	0	1,300	
0 52		CONTROLLED SUBSTANCE IDENTIFICATION&ABATEMENT - FY	CW	S6	03	0	0	0	0	100	100	500	600	0	0	0	0	600	0	0	0	0	0	600	
0 61		CONTROLLED SUBSTANCE IDENTIFICATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0 62		BIO GAS UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	0	0	0	0	1,865	0	0	0	0	0	1,865	
0 63		BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 SC	CW	S3	04	-400	-20	-485	135	180	-590	1,055	465	0	0	0	0	465	0	0	0	0	0	465	
0 64		GROVE LANDSCAPING - PHASE 1	CW	S4	04	790	1,045	0	0	0	1,835	0	1,835	0	0	0	0	1,835	0	0	0	0	0	1,835	
Sub-total						1,540	4,075	3,070	2,265	2,310	13,260	2,955	16,215	0	0	0	0	16,215	0	0	0	0	0	16,215	
<b>WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE</b>																									
0 1		DISINFECTION ENGINEERING	CW	S2	02	4,184	6,200	960	167	123	11,634	0	11,634	0	0	936	0	10,698	0	0	0	0	0	11,634	
0 2		OUTFALL CONSTRUCTION	CW	S6	02	0	5,000	30,000	52,000	57,000	144,000	183,000	327,000	0	0	14,342	0	312,658	0	0	0	0	0	327,000	
0 13		OUTFALL ASSESSMENT	CW	S2	02	940	0	0	0	0	940	0	940	0	0	94	0	846	0	0	0	0	0	940	
0 14		OUTFALL ENGINEERING	CW	S2	02	8,710	4,500	5,000	5,000	5,000	28,210	6,929	35,139	0	0	2,827	0	32,312	0	0	0	0	0	35,139	
0 15		DISINFECTION SYSTEM CONSTRUCTION	CW	S4	02	100	75,000	90,000	64,900	0	230,000	0	230,000	0	0	18,510	0	211,490	0	0	0	0	0	230,000	
0 28		DISINFECTION ENGINEERING-2017 SC	CW	S3	02	-3,174	200	1,537	1,440	-48	-45	75	30	0	0	2	0	28	0	0	0	0	0	30	
0 29		OUTFALL ASSESSMENT - 2017 SC	CW	S3	02	-940	0	0	0	0	-940	0	-940	0	0	-94	0	-846	0	0	0	0	0	-940	
0 30		OUTFALL ENGINEERING- 2017 SC	CW	S3	02	-4,810	175	-620	-1,600	-1,600	-8,455	2,906	-5,549	0	0	-446	0	-5,103	0	0	0	0	0	-5,549	
0 31		OUTFALL - SITE PREP	CW	S4	02	50	450	0	0	0	500	0	500	0	0	40	0	460	0	0	0	0	0	500	
Sub-total						5,060	91,525	126,877	121,907	60,475	405,844	192,910	598,754	0	0	36,211	0	562,543	0	0	0	0	0	598,754	
<b>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATME</b>																									
0 1		FINE BUBBLE AERATION - TANK #2	CW	S2	03	510	0	0	0	0	510	0	510	0	0	42	0	468	0	0	0	0	0	510	
0 2		ODOUR CONTROL - PRIMARY TANKS 7-9 UPGRADES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	0	0	2,679	0	58,421	0	0	0	0	0	61,100	

## CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

## Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT</u>																						
0 3	P BLDG HEADWORKS UPGRADE	CW	S2	03	40,035	6,828	0	0	0	46,863	0	46,863	0	0	3,772	0	43,091	0	0	0	0	46,863
0 6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,399	0	0	0	0	5,399	0	5,399	0	0	0	0	5,399	0	0	0	0	5,399
0 10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	6,740	8,000	8,000	8,000	7,500	38,240	12,250	50,490	0	0	0	0	50,490	0	0	0	0	50,490
0 12	WORK AREA 1 REHAB	CW	S2	03	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	3
0 39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	0	10,000	45,000	45,000	50,000	150,000	175,000	325,000	0	0	0	0	325,000	0	0	0	0	325,000
0 71	INTEGRATED PUMPING STATION (IPS) - ENG-2017 SC	CW	S3	03	-1,310	-1,371	-765	-3,290	-1,521	-8,257	7,134	-1,123	0	0	0	0	-1,123	0	0	0	0	-1,123
0 72	P BLDG HEADWORKS UPGRADE-2017 SC	CW	S3	03	-25,010	10,271	17,074	0	0	2,335	0	2,335	0	0	187	0	2,148	0	0	0	0	2,335
0 73	INTEGRATED PUMPING STATION (IPS) - CONST-2017 SC	CW	S3	03	250	-6,850	-30,000	-18,642	-3,000	-58,242	112,875	54,633	0	0	0	0	54,633	0	0	0	0	54,633
0 74	FINE BUBBLE AERATION - TANK #2 - 2017 SC	CW	S3	03	-500	540	0	0	0	40	0	40	0	0	2	0	38	0	0	0	0	40
0 75	WORK AREA 1 REHAB- 2017 SC	CW	S3	03	-3	10	0	0	0	7	0	7	0	0	0	0	7	0	0	0	0	7
0 76	M & T PUMPING STATION CRITICAL REPAIRS- 2017 SC	CW	S3	03	-2,221	3,178	0	0	0	957	0	957	0	0	0	0	957	0	0	0	0	957
0 77	FINE BUBBLE AERATION - ENGINEERING	CW	S4	03	50	1,500	3,000	3,000	3,000	10,550	7,650	18,200	0	0	1,468	0	16,732	0	0	0	0	18,200
0 78	FINE BUBBLE AERATION - CONSTRUCTION	CW	S6	03	0	0	15,000	15,000	15,000	45,000	30,000	75,000	0	0	3,290	0	71,710	0	0	0	0	75,000
0 79	FINE BUBBLE AERATION UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	57,000	57,000	0	0	2,500	0	54,500	0	0	0	0	57,000
Sub-total					23,943	32,106	57,309	49,068	70,979	233,405	463,009	696,414	0	0	13,940	0	682,474	0	0	0	0	696,414
<u>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</u>																						
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	0	981	0	11,213	0	0	0	0	12,194
0 4	DIGESTERS 9-12 REFURBISH	CW	S2	03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	0	2,901	0	33,165	0	0	0	0	36,066
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S4	03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	0	12,071	0	137,929	0	0	0	0	150,000
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	967	500	1,000	0	0	2,467	0	2,467	0	0	0	0	2,467	0	0	0	0	2,467
0 45	BIOSOLIDS PELLETIZER RETROFIT-2017 SC	CW	S3	03	0	400	400	0	0	800	0	800	0	0	0	0	800	0	0	0	0	800
0 46	DIGESTERS 9-12 REFURBISH - 2017 SC	CW	S3	03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0	0	335	0	3,813	0	0	0	0	4,148
0 47	WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	CW	S3	03	-1,843	413	0	0	1,000	-430	400	-30	0	0	-3	0	-27	0	0	0	0	-30

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</b>																						
0 48	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2017 SC	CW	S3	03	-480	200	290	0	0	10	0	10	0	0	0	10	0	0	0	0	10	
Sub-total					7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0	0	16,285	0	189,770	0	0	0	0	206,055
<b>WAS907101 ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</b>																						
0 5	BOILER #4 DESIGN	CW	S2	03	47	6	0	0	0	53	0	53	0	0	0	53	0	0	0	0	53	
0 6	MESI UPGRADES	CW	S2	03	3,448	3,074	3,167	0	0	9,689	0	9,689	0	0	0	9,689	0	0	0	0	9,689	
0 7	MISC MECH REHAB	CW	S2	03	8,120	1,900	0	0	0	10,020	0	10,020	0	0	0	10,020	0	0	0	0	10,020	
0 21	MESI UPGRADES - FUTURE YEAR	CW	S6	03	0	0	0	3,000	3,000	6,000	15,400	21,400	0	0	0	21,400	0	0	0	0	21,400	
0 32	MISC MECH REHAB- 2017 SC	CW	S3	03	-3,120	3,196	0	0	0	76	0	76	0	0	0	76	0	0	0	0	76	
0 33	BOILER #4 DESIGN- 2017 SC	CW	S3	03	63	5	6	0	0	74	0	74	0	0	0	74	0	0	0	0	74	
0 34	MESI UPGRADES- 2017 SC	CW	S3	03	-463	0	0	0	0	-463	0	-463	0	0	0	-463	0	0	0	0	-463	
Sub-total					8,095	8,181	3,173	3,000	3,000	25,449	15,400	40,849	0	0	0	0	40,849	0	0	0	0	40,849
<b>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</b>																						
0 6	BIOFILTERS UPGRADE & REPLACEMENT	CW	S2	03	10,098	122	0	0	0	10,220	0	10,220	0	0	823	0	9,397	0	0	0	10,220	
0 13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	992	0	0	0	0	992	0	992	0	0	80	0	912	0	0	0	992	
0 38	D BUILDING TREATMENT & BIOFILTER- 2017 SC	CW	S3	03	-98	110	0	0	0	12	0	12	0	0	1	0	11	0	0	0	12	
0 39	BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	CW	S3	03	-3,598	2,815	100	0	0	-683	0	-683	0	0	-56	0	-627	0	0	0	-683	
Sub-total					7,394	3,047	100	0	0	10,541	0	10,541	0	0	848	0	9,693	0	0	0	0	10,541
<b>WAS907104 HUMBER WWTP - LIQUID TREATMENT &amp; HANI</b>																						
0 2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	3,811	3,350	3,332	3,250	2,193	15,936	544	16,480	0	0	1,328	0	15,152	0	0	0	16,480	
0 17	SECONDARY TREATMENT UPGRADES - NORTH PLANT	CW	S6	03	0	0	0	0	150	150	74,350	74,500	0	0	3,269	0	71,231	0	0	0	74,500	
0 19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03	45,000	45,000	45,000	45,000	45,000	225,000	0	225,000	0	0	18,115	0	206,885	0	0	0	225,000	
0 24	SECONDARY TREATMENT UPGRADES - SOUTH-CONS-2017 SC	CW	S3	03	-11,500	-11,500	-16,500	-16,500	-25,997	-81,997	15,000	-66,997	0	0	-5,390	0	-61,607	0	0	0	-66,997	
0 25	SECONDARY TREATMENT UPGRADES - SOUTH - ENG 2017 SC	CW	S3	03	1,069	1,910	1,418	1,555	3,000	8,952	300	9,252	0	0	740	0	8,512	0	0	0	9,252	
Sub-total					38,380	38,760	33,250	33,305	24,346	168,041	90,194	258,235	0	0	18,062	0	240,173	0	0	0	0	258,235
<b>WAS907105 HUMBER WWTP - O&amp;M UPGRADES</b>																						

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS907105 HUMBER WWTP - O&amp;M UPGRADES</b>																							
0 1	GAS COMPRESSOR SYSTEM UPGRADES	CW	S2	03	3,723	0	0	0	0	3,723	0	3,723	0	0	0	0	3,723	0	0	0	0	3,723	
0 2	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	0	0	25	0	291	0	0	0	0	316	
0 31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	0	0	0	0	343	0	0	0	0	343	
0 32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	0	0	-25	0	-291	0	0	0	0	-316	
Sub-total					3,942	60	64	0	0	4,066	0	4,066	0	0	0	0	4,066	0	0	0	0	4,066	
<b>WAS907106 HUMBER WWTP - ODOUR CONTROL</b>																							
0 1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	8,632	0	0	0	0	8,632	0	8,632	0	0	694	0	7,938	0	0	0	0	8,632	
0 13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	0	0	341	0	3,892	0	0	0	0	4,233	
Sub-total					6,255	6,610	0	0	0	12,865	0	12,865	0	0	1,035	0	11,830	0	0	0	0	12,865	
<b>WAS907224 SEWAGE PUMPING STATION UPGRADES</b>																							
0 1	SPS UPGRADES	CW	S2	02	2,593	0	0	0	0	2,593	0	2,593	0	0	209	0	2,384	0	0	0	0	2,593	
0 18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	0	0	1,842	0	21,029	0	0	0	0	22,871	
0 26	SPS UPGRADES - GROUP 7	CW	S6	02	0	100	450	3,250	6,300	10,100	12,700	22,800	0	0	1,000	0	21,800	0	0	0	0	22,800	
0 29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	0	0	442	0	5,065	0	0	0	0	5,507	
0 30	SUNNYSIDE SPS REHAB- 2017 SC	CW	S3	03	688	0	0	0	0	688	0	688	0	0	55	0	633	0	0	0	0	688	
0 31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	0	0	27	0	340	0	0	0	0	367	
Sub-total					3,378	5,210	4,844	9,500	11,656	34,588	20,238	54,826	0	0	3,575	0	51,251	0	0	0	0	54,826	
<b>WAS907559 DON &amp; WATERFRONT TRUNK CSO</b>																							
0 1	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	CW	S2	04	7,933	5,338	5,180	5,180	5,180	28,811	11,436	40,247	0	0	3,239	0	37,008	0	0	0	0	40,247	
0 3	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S6	04	0	25,000	77,500	77,500	77,500	257,500	102,500	360,000	0	0	15,790	0	344,210	0	0	0	0	360,000	
0 4	Don & Waterfront Trunk/CSO Construction - PHASE 2	CW	S6	04	0	0	0	0	0	0	210,000	210,000	0	0	9,211	0	200,789	0	0	0	0	210,000	
0 8	Don & Waterfront Trunk/CSO Construction - PHASE 3+	CW	S6	04	0	0	0	0	0	0	126,000	126,000	0	0	5,528	0	120,472	0	0	0	0	126,000	
0 15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S6	04	0	0	0	17,000	20,000	37,000	60,000	97,000	0	0	4,254	0	92,746	0	0	0	0	97,000	
0 16	Don&Waterfront Trunk/CSO Design 2017 SC	CW	S3	04	-3,733	1,770	3,874	1,295	1,295	4,501	-3,885	616	0	0	49	0	567	0	0	0	0	616	

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS907559 DON &amp; WATERFRONT TRUNK CSO</b>																									
0	17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S4	04	200	500	700	10,400	2,700	14,500	100	14,600	0	0	1,174	0	13,426	0	0	0	0	0	14,600	
Sub-total						4,400	32,608	87,254	111,375	106,675	342,312	506,151	848,463	0	0	39,245	0	809,218	0	0	0	0	0	848,463	
<b>WAS907700 NORTH TORONTO WTP UPGRADES</b>																									
0	2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	1,207	2,295	1,100	0	0	4,602	0	4,602	0	0	0	0	4,602	0	0	0	0	0	4,602	
0	10	OPS INTERFACE NTTP	CW	S4	04	200	300	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0	11	NTTP - PROCESS IMPROVEMENTS	CW	S4	04	420	4,400	4,000	1,340	50	10,210	0	10,210	0	0	0	0	10,210	0	0	0	0	0	10,210	
0	12	NTTP - ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	01	-886	-581	1,624	1,198	0	1,355	0	1,355	0	0	0	0	1,355	0	0	0	0	0	1,355	
Sub-total						941	6,414	6,724	2,538	50	16,667	0	16,667	0	0	0	0	16,667	0	0	0	0	0	16,667	
<b>WAS908143 Georgetown South City Infrastructure Upgrades</b>																									
0	1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	6,189	5,680	5,680	0	0	17,549	0	17,549	0	0	0	0	17,549	0	0	0	0	0	17,549	
0	7	GEORGETOWN SOUTH CITY INFRASTRUCTURE - 2017 SC	CW	S3	05	-509	0	0	0	0	-509	0	-509	0	0	0	0	-509	0	0	0	0	0	-509	
Sub-total						5,680	5,680	5,680	0	0	17,040	0	17,040	0	0	0	0	17,040	0	0	0	0	0	17,040	
<b>WASWP003 EMERY CREEK POND</b>																									
0	1	EMERY CREEK POND	CW	S2	04	5,793	50	0	0	0	5,843	0	5,843	0	0	470	0	5,373	0	0	0	0	0	5,843	
0	15	EMERY CREEK POND- 2017 SC	CW	S3	04	-820	0	50	50	0	-720	0	-720	0	0	-58	0	-662	0	0	0	0	0	-720	
Sub-total						4,973	50	50	50	0	5,123	0	5,123	0	0	412	0	4,711	0	0	0	0	0	0	5,123
<b>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</b>																									
0	78	EQUIPMENT REPLACEMENT	CW	S2	03	5,580	4,558	3,652	0	0	13,790	0	13,790	0	0	0	0	13,790	0	0	0	0	0	13,790	
0	117	REHAB OF SOUTH PRIMARY CLARIFIERS	CW	S2	03	124	0	0	0	0	124	0	124	0	0	0	0	124	0	0	0	0	0	124	
0	132	EQUIPMENT REPLACEMENT-2017 SC	CW	S3	03	-2,514	3,409	2,150	4,000	0	7,045	0	7,045	0	0	0	0	7,045	0	0	0	0	0	7,045	
0	133	REHAB OF SOUTH PRIMARY CLARIFIERS- 2017 SC	CW	S3	03	-124	0	0	0	0	-124	0	-124	0	0	0	0	-124	0	0	0	0	0	-124	
Sub-total						3,066	7,967	5,802	4,000	0	20,835	0	20,835	0	0	0	0	20,835	0	0	0	0	0	20,835	
<b>Total Program Expenditure</b>						466,912	713,973	854,712	837,605	771,244	3,644,446	4,019,758	7,664,204	0	0	293,425	0	7,322,779	0	0	48,000	0	0	7,664,204	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name Priority SubProj No. Sub-project Name Ward Stat. Cat.		Current and Future Year Cash Flow Commitments and Estimates									Current and Future Year Cash Flow Commitments and Estimates Financed By								
		2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Financed By:																			
Development Charges		19,058	31,292	34,772	31,946	23,329	140,397	153,028	293,425	0	0	293,425	0	0	0	0	0	0	293,425
Reserve Funds (Ind."XR" Ref.)		447,854	678,681	814,940	800,659	742,915	3,485,049	3,837,730	7,322,779	0	0	0	07,322,779	0	0	0	0	0	7,322,779
Other2 (External)		0	4,000	5,000	5,000	5,000	19,000	29,000	48,000	0	0	0	0	0	0	48,000	0	0	48,000
<b>Total Program Financing</b>		<b>466,912</b>	<b>713,973</b>	<b>854,712</b>	<b>837,605</b>	<b>771,244</b>	<b>3,644,446</b>	<b>4,019,758</b>	<b>7,664,204</b>	<b>0</b>	<b>0</b>	<b>293,425</b>	<b>07,322,779</b>	<b>0</b>	<b>0</b>	<b>48,000</b>	<b>0</b>	<b>0</b>	<b>7,664,204</b>

<b>Status Code</b>	<b>Description</b>
S2	S2 Prior Year (With 2017 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2017 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)
S6	S6 New - Future Year (Commencing in 2018 & Beyond)

<b>Category Code</b>	<b>Description</b>
01	Health and Safety C01
02	Legislated C02
03	State of Good Repair C03
04	Service Improvement and Enhancement C04
05	Growth Related C05
06	Reserved Category 1 C06
07	Reserved Category 2 C07

## **Appendix 4**

### **2017 Cash Flow and Future Year Commitments**

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT000004 HORGAN W.T.P. EXPANSION</b>																								
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	24	0	0	0	0	24	0	24	0	0	8	0	8	0	0	8	0	0	24
0	38	PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017 SC	CW	S3	05	51	75	0	0	0	126	0	126	0	0	40	0	46	0	0	40	0	0	126
0	39	PLANT EXPANSION - CONSTRUCTION- 2017 SC	CW	S3	05	0	0	0	0	0	0	40	40	0	0	13	0	14	0	0	13	0	0	40
Sub-total						75	75	0	0	0	150	40	190	0	0	61	0	68	0	0	61	0	0	190
<b>WAT000014 WATER STORAGE EXPANSION</b>																								
0	1	DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	CW	S2	05	18	0	0	0	0	18	0	18	0	0	11	0	7	0	0	0	0	0	18
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	50	0	0	0	0	50	0	50	0	0	21	0	10	0	0	19	0	0	50
0	52	MILLIKEN PS&RESERVOIR-DESIGN&CONT	CW	S3	05	0	37	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37
0	53	DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017 SC	CW	S3	05	-17	0	0	0	0	-17	0	-17	0	0	-10	0	-7	0	0	0	0	0	-17
Sub-total						51	37	0	0	0	88	0	88	0	0	37	0	18	0	0	33	0	0	88
<b>WAT000018 CLARK RESIDUE MGMT. FACILITIES</b>																								
0	24	RESIDUALS RETROFITS AND UPGRADES	CW	S2	02	1,036	425	0	0	0	1,461	0	1,461	0	0	0	0	1,461	0	0	0	0	0	1,461
0	29	RESIDUALS RETROFITS AND UPGRADES-2017 SC	CW	S3	02	-567	2,408	700	0	0	2,541	0	2,541	0	0	0	0	2,541	0	0	0	0	0	2,541
Sub-total						469	2,833	700	0	0	4,002	0	4,002	0	0	0	0	4,002	0	0	0	0	0	4,002
<b>WAT000021 WATER EFFICIENCY PROGRAM</b>																								
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	0	0	0	0	300	0	300	0	0	300	0	0	0	0	0	0	0	300
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	0	0	0	0	150	0	150	0	0	150	0	0	0	0	0	0	0	150
0	12	ANCILLARY COSTS	CW	S2	05	70	0	0	0	0	70	0	70	0	0	70	0	0	0	0	0	0	0	70
0	91	ICI INDOOR WATER AUDIT- 2017 SC	CW	S3	05	0	300	300	0	0	600	0	600	0	0	600	0	0	0	0	0	0	0	600
0	92	PUBLIC EDUCATION & PROMOTIONS- 2017 SC	CW	S3	05	0	150	150	0	0	300	0	300	0	0	300	0	0	0	0	0	0	0	300
0	93	ANCILLARY COSTS- 2017 SC	CW	S3	05	0	70	70	35	0	175	0	175	0	0	175	0	0	0	0	0	0	0	175
Sub-total						520	520	520	35	0	1,595	0	1,595	0	0	1,595	0	0	0	0	0	0	0	1,595
<b>WAT000363 ENGINEERING STUDIES</b>																								
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	296	0	0	0	0	296	0	296	0	0	0	0	207	0	0	89	0	0	296
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	200	200	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT000363 ENGINEERING STUDIES</b>																							
0 31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	105	125	0	0	0	230	0	230	0	0	0	0	230	0	0	0	0	0	230
0 38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4
0 65	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S2	04	915	730	105	5	0	1,755	0	1,755	0	0	0	0	1,755	0	0	0	0	0	1,755
0 72	SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 SC	CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	0	0	0	0	-1,755	0	0	0	0	0	-1,755
0 73	CONTROLLED SUBSTANCES ID AND ABATEMENT-2017 SC	CW	S3	02	-100	-100	100	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100
0 74	ENERGY EFFICIENCY IMPLEMENTATION-2017 SC	CW	S3	04	25	-8	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 75	IMPROVED TREATMENT STUDIES-2017 SC	CW	S3	04	-136	152	0	0	0	16	0	16	0	0	0	0	11	0	0	5	0	0	16
Sub-total					394	369	100	0	0	863	0	863	0	0	0	0	769	0	0	94	0	0	863
<b>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>																							
0 9	TRUNK RADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0 12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	795	400	0	0	0	1,195	0	1,195	0	0	0	0	1,195	0	0	0	0	0	1,195
0 41	SCADA UPGRADES FOR WWT	CW	S2	04	5,206	5,760	7,160	4,200	50	22,376	110	22,486	0	0	0	0	22,486	0	0	0	0	0	22,486
0 42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	0	0	0	0	492	0	0	0	0	0	492
0 67	SCADA UPGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	0	0	0	0	3,503	0	0	0	0	0	3,503
0 85	NETWORK IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	0	0	0	0	2,586	0	0	0	0	0	2,586
0 86	BLANKET CONTRACT MGMT TOOL	CW	S4	04	50	150	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 87	PCS UPGRADES 2017	CW	S4	04	210	210	210	0	0	630	0	630	0	0	0	0	630	0	0	0	0	0	630
0 88	TRUNK RADIO - EQUIPMENT	CW	S4	03	500	1,400	0	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
0 90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 91	PCS LEGACY ALARM IMPROVEMENT -2017 SC	CW	S3	04	166	65	65	0	0	296	0	296	0	0	0	0	296	0	0	0	0	0	296
0 92	RELIABILITY IMPROVEMENT PROGRAM-2017 SC	CW	S3	04	-585	-50	200	200	0	-235	0	-235	0	0	0	0	-235	0	0	0	0	0	-235
0 93	SCADA UPGRADES FOR WWT-2017 SC	CW	S3	04	-2,651	546	1,765	890	150	700	-50	650	0	0	0	0	650	0	0	0	0	0	650
0 94	SCADA UPGRADES FOR WWT - II -2017 SC	CW	S3	04	-718	570	260	184	0	296	0	296	0	0	0	0	296	0	0	0	0	0	296



## CITY OF TORONTO

## Gross Expenditures (\$000's)

## Appendix 4: 2017 Cash Flow and Future Year Commitments

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAT906483 PW ENGINEERING</u>																								
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	1,482	591	145	0	0	2,218	0	2,218	0	0	554	0	786	0	0	878	0	0	2,218	
0 7	EASEMENT ACQUISITION	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0 22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	621	1,338	1,000	1,000	0	3,959	0	3,959	0	0	0	0	3,959	0	0	0	0	0	3,959	
0 37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,090	1,000	1,000	1,000	1,000	5,090	2,500	7,590	0	0	1,898	0	5,692	0	0	0	0	0	7,590	
0 52	JOS UPDATE PHASE II	CW	S2	05	1,135	500	0	0	0	1,635	0	1,635	0	0	818	0	-1	0	0	818	0	0	1,635	
0 64	WATERMAIN ASSET PLANNING-2017 SC	CW	S3	03	-737	1,519	1,310	1,050	1,055	4,197	2,000	6,197	0	0	1,551	0	2,193	0	0	2,453	0	0	6,197	
0 65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	CW	S3	04	-785	300	0	0	0	-485	1,000	515	0	0	128	0	387	0	0	0	0	0	515	
0 66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	CW	S3	03	-2,074	457	2,415	585	0	1,383	0	1,383	0	0	0	0	1,383	0	0	0	0	0	1,383	
0 67	EASEMENT ACQUISITION- 2017 SC	CW	S3	04	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0 68	WATER LOSS REDUCTION STRATEGY- 2017 SC	CW	S3	03	-211	-472	418	0	1,000	735	0	735	0	0	0	0	735	0	0	0	0	0	735	
0 69	JOS UPDATE PHASE II- 2017 SC	CW	S3	05	-135	0	150	0	0	15	0	15	0	0	7	0	1	0	0	7	0	0	15	
Sub-total						4,832	8,933	7,023	3,635	3,055	27,478	5,500	32,978	0	0	4,956	0	23,866	0	0	4,156	0	0	32,978
<u>WAT906749 DOWNTOWN W/M ENHANCEMENT</u>																								
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	26	0	0	0	0	26	0	26	0	0	5	0	1	0	0	20	0	0	26	
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	0	0	904	0	163	0	0	3,472	0	0	4,539	
0 45	JOS - GERRARD ST WM - ENGINEERING- 2017 SC	CW	S3	03	-12	10	0	0	0	-2	0	-2	0	0	0	0	-1	0	0	-1	0	0	-2	
0 46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	0	0	-904	0	-163	0	0	-3,472	0	0	-4,539	
Sub-total						14	10	0	0	0	24	0	24	0	0	5	0	0	0	0	19	0	0	24
<u>WAT906752 TRANSMISSION R&amp;R</u>																								
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,354	360	102	69	0	9,885	0	9,885	0	0	0	0	9,885	0	0	0	0	0	9,885	
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	2,061	84	14	0	0	2,159	0	2,159	0	0	0	0	2,159	0	0	0	0	0	2,159	
0 58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	5,500	2,650	0	0	0	8,150	0	8,150	0	0	0	0	8,150	0	0	0	0	0	8,150	
0 74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	CW	S3	03	-724	1,164	231	19	0	690	0	690	0	0	0	0	690	0	0	0	0	0	690	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906752 TRANSMISSION R&amp;R</u>																								
0	75	TRUNK WATERMAIN REHAB- 2017 SC	CW	S3	03	114	4	260	253	0	631	0	631	0	0	0	0	631	0	0	0	0	0	631
0	76	CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	CW	S3	03	-1,011	835	144	6	0	-26	0	-26	0	0	0	0	-26	0	0	0	0	0	-26
0	77	CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	CW	S3	03	-2,300	2,100	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total						13,244	7,447	951	347	0	21,989	0	21,989	0	0	0	0	21,989	0	0	0	0	0	21,989
<u>WAT906900 TRANSMISSION R&amp;R</u>																								
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500
0	26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	145	0	0	0	0	145	0	145	0	0	0	0	145	0	0	0	0	0	145
0	27	EGLINTON PS - PUMP REPLC	CW	S2	03	228	0	0	0	0	228	0	228	0	0	0	0	228	0	0	0	0	0	228
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	17,353	7,913	7	0	0	25,273	0	25,273	0	0	0	0	25,273	0	0	0	0	0	25,273
0	48	ROSEHILL RESERVOIR	CW	S2	03	11,479	10,500	4,600	0	0	26,579	0	26,579	0	0	0	0	26,579	0	0	0	0	0	26,579
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	410	0	0	0	0	410	0	410	0	0	0	0	410	0	0	0	0	0	410
0	50	PARKDALE PS REHABILITATION	CW	S2	03	3,580	1,757	21	0	0	5,358	0	5,358	0	0	0	0	5,358	0	0	0	0	0	5,358
0	51	ROSEHILL PS REHAB	CW	S2	03	1,786	2,786	1,144	11	11	5,738	0	5,738	0	0	0	0	5,738	0	0	0	0	0	5,738
0	67	PUMP REPLACEMENTS	CW	S2	03	900	900	100	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S4	03	200	250	300	650	350	1,750	2,150	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
0	74	PS REHAB - PHASE 2 - ENG	CW	S4	03	500	400	600	1,000	500	3,000	2,000	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000
0	75	ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	CW	S3	03	-9,003	-63	8,113	10	17	-926	0	-926	0	0	0	0	-926	0	0	0	0	0	-926
0	76	ROSEHILL RESERVOIR-2017 SC	CW	S3	03	-9,229	270	5,750	10,150	3,019	9,960	34	9,994	0	0	0	0	9,994	0	0	0	0	0	9,994
0	77	PARKDALE PS REHABILITATION-2017 SC	CW	S3	03	-2,385	2,593	2,404	329	8	2,949	0	2,949	0	0	0	0	2,949	0	0	0	0	0	2,949
0	78	SCARBOROUGH PS - PUMP REPLC- 2017 SC	CW	S3	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	79	EGLINTON PS - PUMP REPLC- 2017 SC	CW	S3	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	80	DOWNSVIEW PS & CONNECTOR EA- 2017 SC	CW	S3	05	-85	280	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195
0	81	ROSEHILL PS REHAB- 2017 SC	CW	S3	03	33	0	20	13	14	80	0	80	0	0	0	0	80	0	0	0	0	0	80
Sub-total						16,692	28,336	23,059	12,163	3,919	84,169	4,184	88,353	0	0	0	0	88,353	0	0	0	0	0	88,353

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																								
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	2,766	847	0	0	0	3,613	0	3,613	0	0	0	0	3,613	0	0	0	0	0	3,613
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,620	722	0	0	0	4,342	0	4,342	0	0	0	0	4,342	0	0	0	0	0	4,342
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	9,579	5,384	23	0	0	14,986	0	14,986	0	0	0	0	14,986	0	0	0	0	0	14,986
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	1,450	1,148	7	0	0	2,605	0	2,605	0	0	0	0	2,605	0	0	0	0	0	2,605
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	200	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0	99	CONTROL ROOM RELOCATION	CW	S2	04	593	0	0	0	0	593	0	593	0	0	0	0	593	0	0	0	0	0	593
0	100	EMERGENCY STANDBY POWER	CW	S2	04	895	5	0	0	0	900	0	900	0	0	0	0	900	0	0	0	0	0	900
0	102	PHONE SYSTEM UPGRADE	CW	S2	03	510	0	0	0	0	510	0	510	0	0	0	0	510	0	0	0	0	0	510
0	109	REHAB OF SETTLING BASIN ROOF & SLUICE GATES-2017 SC	CW	S3	03	-279	2,931	78	10	13	2,753	0	2,753	0	0	0	0	2,753	0	0	0	0	0	2,753
0	110	HARRIS FILTERS REHABILITATION - PILOT-2017 SC	CW	S3	03	-2,970	2,906	65	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	111	CONTROL ROOM RELOCATION-2017 SC	CW	S3	04	-518	525	0	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7
0	112	TRAVELLING SCREENS 3 & 5 UPGRADE-2017 SC	CW	S3	03	0	300	450	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	113	PHONE SYSTEM UPGRADE-2017 SC	CW	S3	03	-510	70	510	0	0	70	0	70	0	0	0	0	70	0	0	0	0	0	70
0	114	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	115	HVAC REHAB CONSTRUCTION- 2017 SC	CW	S3	03	-1,205	3,453	4,281	0	0	6,529	0	6,529	0	0	0	0	6,529	0	0	0	0	0	6,529
0	116	LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	CW	S3	04	-989	3,249	137	7	0	2,404	0	2,404	0	0	0	0	2,404	0	0	0	0	0	2,404
0	117	HERITAGE MASONRY ARCHITECTURAL RESTORATION-2017 SC	CW	S3	03	0	0	0	0	0	0	150	150	0	0	0	0	150	0	0	0	0	0	150
0	118	EMERGENCY STANDBY POWER- 2017 SC	CW	S3	04	-395	995	405	0	0	1,005	0	1,005	0	0	0	0	1,005	0	0	0	0	0	1,005
Sub-total						13,247	23,335	6,706	767	213	44,268	150	44,418	0	0	0	0	44,418	0	0	0	0	0	44,418
<u>WAT906903 FJ HORGAN W.T.P. R&amp;R</u>																								
0	5	FACILITY & PROCESS UPGRADES	CW	S2	03	516	0	0	0	0	516	0	516	0	0	0	0	516	0	0	0	0	0	516
0	8	RAW WATER PUMP UGRADES	CW	S2	03	469	0	0	0	0	469	0	469	0	0	0	0	469	0	0	0	0	0	469

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906903 FJ HORGAN W.T.P. R&amp;R</b>																							
0 15	REPLACEMENT OF MCCS	CW	S2	03	2,315	2,400	250	152	10	5,127	9	5,136	0	0	0	0	5,136	0	0	0	0	5,136	
0 31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	855	1,375	1,825	10	10	4,075	0	4,075	0	0	0	0	4,075	0	0	0	0	4,075	
0 32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	550	3	3	0	0	556	0	556	0	0	0	0	556	0	0	0	0	556	
0 34	TREATED WATER PUMP UPGRADES	CW	S2	04	1,890	0	0	0	0	1,890	0	1,890	0	0	0	0	1,890	0	0	0	0	1,890	
0 53	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	240	613	0	0	0	853	0	853	0	0	0	0	853	0	0	0	0	853	
0 54	REPLACEMENT OF MCCS- 2017 SC	CW	S3	03	-57	36	0	75	0	54	0	54	0	0	0	0	54	0	0	0	0	54	
0 55	RAW WATER PUMP UGRADES- 2017 SC	CW	S3	03	52	0	0	0	0	52	0	52	0	0	0	0	52	0	0	0	0	52	
0 56	ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 2017 SC	CW	S3	04	-500	527	277	0	0	304	0	304	0	0	0	0	304	0	0	0	0	304	
0 57	TREATED WATER PUMP UPGRADES- 2017 SC	CW	S3	04	-364	0	0	0	0	-364	0	-364	0	0	0	0	-364	0	0	0	0	-364	
0 58	BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	CW	S3	04	-597	720	125	0	0	248	0	248	0	0	0	0	248	0	0	0	0	248	
Sub-total					5,369	5,674	2,480	237	20	13,780	9	13,789	0	0	0	0	13,789	0	0	0	0	13,789	
<b>WAT906906 TRUNK WATERMAIN EXPANSION</b>																							
0 25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	784	450	173	21	0	1,428	0	1,428	0	0	684	0	420	0	0	324	0	1,428	
0 66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S4	05	2,000	12,000	12,000	8,000	0	34,000	0	34,000	0	0	16,289	0	9,987	0	0	7,724	0	34,000	
0 69	JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	CW	S3	05	-384	61	202	162	11	52	0	52	0	0	26	0	14	0	0	12	0	52	
Sub-total					2,400	12,511	12,375	8,183	11	35,480	0	35,480	0	0	16,999	0	10,421	0	0	8,060	0	35,480	
<b>WAT906914 SWITCH GEAR TRANSFORMER</b>																							
0 13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	3,913	0	0	0	0	3,913	0	3,913	0	0	0	0	3,913	0	0	0	0	3,913	
0 30	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	CW	S3	03	-1,663	1,274	0	0	0	-389	0	-389	0	0	0	0	-389	0	0	0	0	-389	
Sub-total					2,250	1,274	0	0	0	3,524	0	3,524	0	0	0	0	3,524	0	0	0	0	3,524	
<b>WAT906917 TRANSMISSION OPERATIONS OPTIMIZER</b>																							
0 8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	257	200	0	0	0	457	0	457	0	0	0	0	219	0	0	238	0	457	
0 12	TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	CW	S3	04	-7	20	0	0	0	13	0	13	0	0	0	0	-63	0	0	76	0	13	
Sub-total					250	220	0	0	0	470	0	470	0	0	0	0	156	0	0	314	0	470	
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																							

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments								Current and Future Year Cash Flow Commitments Financed By											
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																								
0 1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	0	0	1,055	0	11,081	0	0	5,227	0	0	17,363	
0 12	STANDBY POWER - ROSEHILL	CW	S2	04	3,344	4,344	5,167	1,815	15	14,685	0	14,685	0	0	882	0	9,397	0	0	4,406	0	0	14,685	
0 19	WATER SUSTAINABILITY STANDBY POWER-ELLESMERE2017SC	CW	S3	04	-12,041	5,187	5,269	10	0	-1,575	0	-1,575	0	0	-95	0	-1,005	0	0	-475	0	0	-1,575	
0 20	STANDBY POWER - ROSEHILL - 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	0	0	-1	0	-11	0	0	-6	0	0	-18	
Sub-total					8,693	9,551	10,371	1,813	13	30,441	14	30,455	0	0	1,841	0	19,462	0	0	9,152	0	0	30,455	
<b>WAT906919 RL CLARK W.T.P. R&amp;R</b>																								
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,264	480	1,392	60	0	3,196	0	3,196	0	0	195	0	3,001	0	0	0	0	0	3,196	
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	15,112	12,215	82	0	0	27,409	0	27,409	0	0	1,667	0	25,742	0	0	0	0	0	27,409	
0 44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	308	5	0	0	0	313	0	313	0	0	0	0	313	0	0	0	0	0	313	
0 68	PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC	CW	S3	03	-904	130	-892	1,394	60	-212	35	-177	0	0	-12	0	-165	0	0	0	0	0	-177	
0 69	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC	CW	S3	03	-5,300	-500	9,950	3,000	0	7,150	0	7,150	0	0	434	0	6,716	0	0	0	0	0	7,150	
0 70	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	50	50	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100	
0 71	EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	CW	S3	03	66	227	20	0	0	313	0	313	0	0	0	0	313	0	0	0	0	0	313	
Sub-total					10,746	12,757	10,552	4,454	60	38,569	35	38,604	0	0	2,284	0	36,320	0	0	0	0	0	0	38,604
<b>WAT906930 DIST W/M REPLACEMENT</b>																								
0 14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5	
0 21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4	
0 29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	0	0	0	0	113	0	0	0	0	0	113	
0 39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	0	0	0	0	402	0	0	0	0	0	402	
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	0	0	0	0	3,045	0	0	0	0	0	3,045	
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	0	0	2	0	3	0	0	0	0	0	5	

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

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Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906930 DIST W/M REPLACEMENT</u>																							
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,691	155	0	0	0	4,846	0	4,846	0	0	754	0	4,092	0	0	0	0	0	4,846
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	0	0	105	0	233	0	0	0	0	0	338
0 73	DIST W/M REPLACEMENT - 2016	CW	S2	03	19,562	8,427	0	0	0	27,989	0	27,989	0	0	4,352	0	23,637	0	0	0	0	0	27,989
0 74	WATERMAIN UPGRADES - 2016	CW	S2	05	3,470	1,840	0	0	0	5,310	0	5,310	0	0	1,652	0	3,658	0	0	0	0	0	5,310
0 82	DIST W/M REPLACEMENT - 2015-2017 SC	CW	S3	03	-3,738	741	0	0	0	-2,997	0	-2,997	0	0	-467	0	-2,530	0	0	0	0	0	-2,997
0 83	DIST W/M REPLACEMENT - 2017	CW	S4	03	51,296	15,598	7,272	0	0	74,166	0	74,166	0	0	11,533	0	62,633	0	0	0	0	0	74,166
0 84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	0	0	4,592	0	10,169	0	0	0	0	0	14,761
0 87	2010 WM REPLC- 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 88	DIST W/M REPLC - 2012- 2017 SC	CW	S3	03	90	0	0	0	0	90	0	90	0	0	0	0	90	0	0	0	0	0	90
0 89	2013 WM REPLC - SOGR- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 90	2013 WM REPLC - UPGRADES- 2017 SC	CW	S3	05	0	101	0	0	0	101	0	101	0	0	31	0	70	0	0	0	0	0	101
0 91	DIST W/M REPLACEMENT - 2014- 2017 SC	CW	S3	03	-401	255	0	0	0	-146	0	-146	0	0	40	0	-186	0	0	0	0	0	-146
0 92	WATERMAIN UPGRADES - 2014- 2017 SC	CW	S3	05	-400	0	0	0	0	-400	0	-400	0	0	0	0	-400	0	0	0	0	0	-400
0 93	WATERMAIN REPLACEMENT - METROLINX- 2017 SC	CW	S3	03	-712	-649	724	1,494	1,494	2,351	0	2,351	0	0	0	0	2,351	0	0	0	0	0	2,351
0 94	WATERMAIN UPGRADES - 2015- 2017 SC	CW	S3	05	-191	0	0	0	0	-191	0	-191	0	0	-59	0	-132	0	0	0	0	0	-191
0 95	DIST W/M REPLACEMENT - 2016- 2017 SC	CW	S3	03	3,443	-1,270	374	0	0	2,547	0	2,547	0	0	396	0	2,151	0	0	0	0	0	2,547
0 96	WATERMAIN UPGRADES - 2016- 2017 SC	CW	S3	05	1,086	-255	0	0	0	831	0	831	0	0	258	0	573	0	0	0	0	0	831
Sub-total					90,853	28,895	10,846	1,494	1,494	133,582	0	133,582	0	0	23,189	0	110,393	0	0	0	0	0	133,582
<u>WAT906932 DIST W/M REHABILITATION</u>																							
0 4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	0	0	0	0	2,193	0	0	0	0	0	2,193
0 6	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	0	0	0	0	66,964	0	0	0	0	0	66,964
0 7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	0	0	0	0	5,748	0	0	0	0	0	5,748
0 30	CUT REPAIR	CW	S2	03	2,933	0	0	0	0	2,933	0	2,933	0	0	0	0	2,933	0	0	0	0	0	2,933
0 50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	0	0	0	0	127	0	0	0	0	0	127



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Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906932 DIST W/M REHABILITATION</u>																							
0 51	CUT REPAIR-2017 SC	CW	S3	03	367	3,300	0	0	0	3,667	0	3,667	0	0	0	0	3,667	0	0	0	0	0	3,667
0 52	WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	03	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	0	0	0	0	96,580	0	0	11,277	0	0	107,857
0 54	CATHODIC PROTECTION- 2017 SC	CW	S3	03	-1,198	888	0	0	0	-310	0	-310	0	0	0	0	-310	0	0	0	0	0	-310
Sub-total					77,764	72,166	24,590	9,577	4,575	188,672	507	189,179	0	0	0	0	177,902	0	0	11,277	0	0	189,179
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																							
0 12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	18,219	5,000	0	0	0	23,219	0	23,219	0	0	0	0	23,219	0	0	0	0	0	23,219
0 19	2010 WSR	CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0 32	WSR CUT REPAIR	CW	S2	03	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0	0	0	0	0	1,750
0 39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	35	0	0	0	0	35	0	35	0	0	0	0	35	0	0	0	0	0	35
0 41	2013 WSR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0	0	0	0	0	11
0 52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0	0	0	0	0	11
0 59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	2,277	736	2	0	0	3,015	0	3,015	0	0	0	0	3,015	0	0	0	0	0	3,015
0 68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	12,062	5,000	0	0	0	17,062	0	17,062	0	0	0	0	17,062	0	0	0	0	0	17,062
0 71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,449	0	0	0	0	7,449	0	7,449	0	0	0	0	7,449	0	0	0	0	0	7,449
0 74	REPLACEMENT OF FROZEN SERVICES	CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0 75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0	0	0	0	0	1,750
0 78	2011 WSR	CW	S2	02	14	0	0	0	0	14	0	14	0	0	0	0	14	0	0	0	0	0	14
0 80	WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	CW	S3	02	-6,716	3,356	4,450	200	0	1,290	0	1,290	0	0	0	0	1,290	0	0	0	0	0	1,290
0 81	WSR CUT REPAIR-2017 SC	CW	S3	03	-250	1,500	0	0	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0 82	WATER SERVICE REPAIR - WM REHAB PROGRAM-2017 SC	CW	S3	02	1,723	7,500	7,000	2,000	0	18,223	0	18,223	0	0	0	0	18,223	0	0	0	0	0	18,223
0 83	WSR CUT REPAIRS WITH WM SL-2017 SC	CW	S3	02	-250	1,500	0	0	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0 84	2017 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	10,000	7,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000
0 86	2010 WSR- 2017 SC	CW	S3	02	0	215	0	0	0	215	0	215	0	0	0	0	215	0	0	0	0	0	215
0 87	2011 WSR- 2017 SC	CW	S3	02	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAT906977 ISLAND W.T.P. R&amp;R</b>																						
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	1,266	2,430	550	10	0	4,256	0	4,256	0	0	0	0	4,256	0	0	0	0	4,256
0 50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	2,738	3,440	12	0	0	6,190	0	6,190	0	0	0	0	6,190	0	0	0	0	6,190
0 51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	26	0	0	0	0	26	0	26	0	0	0	0	26	0	0	0	0	26
0 69	Generators' DR3 Program	CW	S2	04	695	650	0	0	0	1,345	0	1,345	0	0	0	0	1,345	0	0	0	0	1,345
0 70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,151	1,141	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0	0	0	2,292
0 83	RAW WATER INTAKE CLEANING	CW	S2	03	1,090	0	0	0	0	1,090	0	1,090	0	0	0	0	1,090	0	0	0	0	1,090
0 89	FACILITY & PROCESS UPGRADES-2017 SC	CW	S3	03	-865	0	0	0	0	-865	0	-865	0	0	0	0	-865	0	0	0	0	-865
0 90	FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	CW	S3	03	-1,370	3,100	750	0	0	2,480	0	2,480	0	0	0	0	2,480	0	0	0	0	2,480
0 91	TRAVELLING SCREEN REPLACEMENT-2017 SC	CW	S3	03	370	-2,330	150	2,740	0	930	0	930	0	0	0	0	930	0	0	0	0	930
0 92	Generators' DR3 Program-2017 SC	CW	S3	04	-695	-570	695	650	0	80	0	80	0	0	0	0	80	0	0	0	0	80
0 93	RAW WATER INTAKE CLEANING-2017 SC	CW	S3	03	-940	1,100	0	0	0	160	0	160	0	0	0	0	160	0	0	0	0	160
0 95	ISLAND FILTER AIR SCOUR SYSTEM-2017 SC	CW	S3	04	0	56	0	0	0	56	0	56	0	0	3	0	53	0	0	0	0	56
0 96	ISLAND ENWAVE/RETROFIT PROJECT-2017 SC	CW	S3	04	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4
0 97	AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	CW	S3	03	-2,459	119	2,467	7	0	134	0	134	0	0	0	0	134	0	0	0	0	134
0 98	CHEMICAL SYSTEMS' ELEC FEED DISTRIBUTION- 2017 SC	CW	S3	03	4	40	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	44
0 99	PLANTWIDE HVAC UPGRADES- 2017 SC	CW	S3	04	-525	49	527	15	0	66	0	66	0	0	0	0	66	0	0	0	0	66
Sub-total					4,297	9,600	5,151	3,422	0	22,470	0	22,470	0	0	3	0	22,467	0	0	0	0	22,470
<b>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</b>																						
0 1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	6,613	13,272	5,506	0	0	25,391	0	25,391	0	0	25,391	0	0	0	0	0	0	25,391
0 2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	4,592	0	0	0	0	4,592	0	4,592	0	0	4,592	0	0	0	0	0	0	4,592
0 9	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017SC	CW	S3	05	-3,613	-5,272	1,731	7,237	0	83	0	83	0	0	83	0	0	0	0	0	0	83
0 10	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2017SC	CW	S3	05	-4,092	3,842	3,842	0	0	3,592	0	3,592	0	0	3,592	0	0	0	0	0	0	3,592
Sub-total					3,500	11,842	11,079	7,237	0	33,658	0	33,658	0	0	33,658	0	0	0	0	0	0	33,658
<b>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</b>																						



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																			
<b>WAT908248 WT&amp;S PLANTWIDE</b>																								
0	12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S4	04	200	915	730	105	5	1,955	0	1,955	0	0	117	0	1,250	0	0	588	0	0	1,955
Sub-total						1,650	3,594	2,429	2,971	1,850	12,494	3,453	15,947	0	0	491	0	13,006	0	0	2,450	0	0	15,947
<b>Total Program Expenditure</b>						392,232	351,011	175,810	90,900	36,294	1,046,247	28,101	1,074,348	0	0	95,040	0	940,039	0	0	39,269	0	0	1,074,348

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Water Program**

		Current and Future Year Cash Flow Commitments and Estimates									Current and Future Year Cash Flow Commitments and Estimates Financed By													
		2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing					
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																			
Financed By:																								
		Development Charges				25,211	28,839	22,326	14,391	2,213	92,980	2,060	95,040	0	0	95,040	0	0	0	0	0	0	95,040	
		Reserve Funds (Ind."XR" Ref.)				349,987	312,710	145,968	73,402	33,527	915,594	24,445	940,039	0	0	940,039	0	0	0	0	0	0	940,039	
		Other2 (External)				17,034	9,462	7,516	3,107	554	37,673	1,596	39,269	0	0	0	0	0	39,269	0	0	0	39,269	
<b>Total Program Financing</b>						<b>392,232</b>	<b>351,011</b>	<b>175,810</b>	<b>90,900</b>	<b>36,294</b>	<b>1,046,247</b>	<b>28,101</b>	<b>1,074,348</b>	<b>0</b>	<b>0</b>	<b>95,040</b>	<b>0</b>	<b>940,039</b>	<b>0</b>	<b>0</b>	<b>39,269</b>	<b>0</b>	<b>0</b>	<b>1,074,348</b>

Status Code	Description
S2	S2 Prior Year (With 2017 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2017 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

Category Code	Description
01	Health and Safety C01
02	Legislated C02
03	State of Good Repair C03
04	Service Improvement and Enhancement C04
05	Growth Related C05
06	Reserved Category 1 C06
07	Reserved Category 2 C07

## CITY OF TORONTO

## Gross Expenditures (\$000's)

## Appendix 4: 2017 Cash Flow and Future Year Commitments

## Wastewater Program

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.					Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS000007 ASHBRIDGES BAY WWTP REHAB</u>																								
0	17	STANDBY POWER GENERATION	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	19	FERROUS UPGRADES	CW	S2	03	15,695	5,853	5,955	0	0	27,503	0	27,503	0	0	2,224	0	25,279	0	0	0	0	0	27,503
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	4,542	1,710	35	0	0	6,287	0	6,287	0	0	0	0	6,287	0	0	0	0	0	6,287
0	41	POLYMER UPGRADE	CW	S2	03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	0	0	0	0	63,180	0	0	0	0	0	63,180
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,252	1,146	250	49	0	2,697	0	2,697	0	0	217	0	2,480	0	0	0	0	0	2,697
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	193	0	0	0	0	193	0	193	0	0	15	0	178	0	0	0	0	0	193
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,796	26	27	0	0	1,849	0	1,849	0	0	0	0	1,849	0	0	0	0	0	1,849
0	190	GROUND AND FACILITIES	CW	S2	03	445	0	0	0	0	445	0	445	0	0	0	0	445	0	0	0	0	0	445
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	0	0	0	0	12,715	0	0	0	0	0	12,715
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	1,225	500	250	0	0	1,975	0	1,975	0	0	0	0	1,975	0	0	0	0	0	1,975
0	227	AIR HEADER REHAB	CW	S2	03	727	1,700	0	0	0	2,427	0	2,427	0	0	0	0	2,427	0	0	0	0	0	2,427
0	229	D BUILDING PHASE 2	CW	S2	03	502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	0	0	0	0	12,102	0	0	0	0	0	12,102
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	590	250	0	0	0	840	0	840	0	0	0	0	840	0	0	0	0	0	840
0	248	SOILS MANAGEMENT PLAN	CW	S2	03	200	100	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,860	1,500	0	0	0	3,360	0	3,360	0	0	0	0	3,360	0	0	0	0	0	3,360
0	265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2017 SC	CW	S3	03	398	714	1,280	201	49	2,642	0	2,642	0	0	213	0	2,429	0	0	0	0	0	2,642
0	266	PROCESS AND EQUIPMENT-2017 SC	CW	S3	03	-563	1,756	1,100	1,100	0	3,393	0	3,393	0	0	0	0	3,393	0	0	0	0	0	3,393
0	267	GROUND AND FACILITIES-2017 SC	CW	S3	03	-4	440	440	440	0	1,316	0	1,316	0	0	0	0	1,316	0	0	0	0	0	1,316
0	269	NEW FLEET PURCHASES-2017 SC	CW	S3	04	80	0	0	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0	270	SOILS MANAGEMENT PLAN-2017 SC	CW	S3	03	-200	-100	0	0	0	-300	0	-300	0	0	0	0	-300	0	0	0	0	0	-300
0	272	FERROUS UPGRADES - 2017 SC	CW	S3	03	-8,315	5,495	3,275	0	0	455	0	455	0	0	27	0	428	0	0	0	0	0	455
0	273	ELECTRICAL REHAB - ECAP - 2017 SC	CW	S3	01	-1,375	1,718	-3	0	0	340	0	340	0	0	0	0	340	0	0	0	0	0	340

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2017 Cash Flow and Future Year Commitments

Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing		
<u>WAS000007 ASHBRIDGES BAY WWTP REHAB</u>																								
0 274	REHAB OF GROUNDS & BUILDINGS- 2017 SC	CW	S3	03	0	472	0	0	0	0	472	0	472	0	0	0	0	472	0	0	0	0	0	472
0 275	PROCESS UPGRADES & ODOUR CONTROL ENG- 2017 SC	CW	S3	04	-93	105	0	0	0	0	12	0	12	0	0	1	0	11	0	0	0	0	0	12
0 276	POLYMER UPGRADE- 2017 SC	CW	S3	03	-12	3,000	8,000	6,000	6,000	0	22,988	7,000	29,988	0	0	0	0	29,988	0	0	0	0	0	29,988
0 277	OPERATIONS CENTRE - ENGINEERING- 2017 SC	CW	S3	03	-100	400	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0 278	ABTP - PROCESS ROADMAP PHASE 2- 2017 SC	CW	S3	05	-975	500	250	250	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0 279	AIR HEADER REHAB- 2017 SC	CW	S3	03	450	820	0	0	0	0	1,270	0	1,270	0	0	0	0	1,270	0	0	0	0	0	1,270
0 280	D BUILDING PHASE 2- 2017 SC	CW	S3	03	322	-1,330	8,860	8,700	8,700	0	25,252	9,190	34,442	0	0	0	0	34,442	0	0	0	0	0	34,442
0 281	HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	CW	S3	03	-90	100	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 282	HVAC CONVERSION Z-BLDG- 2017 SC	CW	S3	03	-860	0	1,013	0	0	0	153	0	153	0	0	0	0	153	0	0	0	0	0	153
0 285	BLOWER 7-9 OVERHAUL	CW	S4	03	800	500	0	0	0	0	1,300	0	1,300	0	0	0	0	1,300	0	0	0	0	0	1,300
0 286	STANDBY POWER GENERATION- 2017 SC	CW	S3	04	15	18	0	0	0	0	33	0	33	0	0	3	0	30	0	0	0	0	0	33
Sub-total					23,647	36,469	48,676	37,644	33,101	0	179,537	32,682	212,219	0	0	2,700	0	209,519	0	0	0	0	0	212,219
<u>WAS000115 HUMBER T.P.</u>																								
0 9	CO-GENERATION	CW	S2	04	335	109	0	0	0	0	444	0	444	0	0	0	0	444	0	0	0	0	0	444
0 62	CO-GENERATION- 2017 SC	CW	S3	04	-135	150	0	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15
Sub-total					200	259	0	0	0	0	459	0	459	0	0	0	0	459	0	0	0	0	0	459
<u>WAS000259 TRUNK SEWER SYSTEM</u>																								
0 15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03	1,643	748	101	29	0	0	2,521	0	2,521	0	0	0	0	2,521	0	0	0	0	0	2,521
0 27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	38,206	7,567	1,810	10	0	0	47,593	0	47,593	0	0	0	0	47,593	0	0	0	0	0	47,593
0 34	BLACK CREEK STS EA	CW	S2	05	1,177	0	0	0	0	0	1,177	0	1,177	0	0	0	0	1,177	0	0	0	0	0	1,177
0 47	TRUNK SEWER REHABILITATION - 2016	CW	S2	03	3,590	19,175	11,770	240	10	0	34,785	0	34,785	0	0	0	0	34,785	0	0	0	0	0	34,785
0 49	TRUNK SEWER REHABILITATION - 2014-2017 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	0	6,565	0	6,565	0	0	0	0	6,565	0	0	0	0	0	6,565
0 50	TRUNK SEWER REHABILITATION - 2016-2017 SC	CW	S3	03	260	3,171	258	492	4	0	4,185	0	4,185	0	0	0	0	4,185	0	0	0	0	0	4,185
0 52	TRUNK SEWER REHABILITATION - 2012- 2017 SC	CW	S3	03	430	755	318	-1	15	0	1,517	0	1,517	0	0	0	0	1,517	0	0	0	0	0	1,517



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS000259 TRUNK SEWER SYSTEM</u>																								
0	53	TRUNK SEWER REHABILITATION - 2018	CW	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	0	0	0	0	104,131	0	0	0	0	0	104,131
0	54	BLACK CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	0	0	0	0	33	0	0	0	0	0	33
Sub-total						31,492	48,185	33,188	31,616	29,945	174,426	28,081	202,507	0	0	0	0	202,507	0	0	0	0	0	202,507
<u>WAS000442 BASEMENT FLOODING RELIEF</u>																								
0	1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	0	0	0	11,000	0	0	0	0	0	11,000
0	8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	0	0	0	0	2,076	0	0	0	0	0	2,076
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	5,050	7,000	35,000	35,000	35,000	117,050	55,000	172,050	0	0	0	0	172,050	0	0	0	0	0	172,050
0	12	ROAD RESTORATION FOR BSMT FLDG PRJS	CW	S2	04	515	0	0	0	0	515	0	515	0	0	0	0	515	0	0	0	0	0	515
0	14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	0	0	0	0	2,306	0	0	0	0	0	2,306
0	18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	0	0	0	0	6,564	0	0	0	0	0	6,564
0	19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	0	0	0	0	131,404	0	0	0	0	0	131,404
0	20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	4,458	2,644	268	20	0	7,390	0	7,390	0	0	0	0	7,390	0	0	0	0	0	7,390
0	29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,268	55	0	0	0	2,323	0	2,323	0	0	0	0	2,323	0	0	0	0	0	2,323
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	1,614	1,500	1,500	1,500	500	6,614	0	6,614	0	0	0	0	6,614	0	0	0	0	0	6,614
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	11,794	17,820	21,560	21,930	21,930	95,034	57,279	152,313	0	0	0	0	152,313	0	0	0	0	0	152,313
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	10,755	5,500	0	0	0	16,255	0	16,255	0	0	0	0	16,255	0	0	0	0	0	16,255
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S4	04	10,788	36,775	66,350	72,859	85,700	272,472	494,806	767,278	0	0	0	0	767,278	0	0	0	0	0	767,278
0	102	BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	0	0	0	0	-491	0	0	0	0	0	-491
0	103	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2017 SC	CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	0	0	0	0	1,400	0	0	0	0	0	1,400
0	104	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	0	0	0	0	-68,743	0	0	0	0	0	-68,743
0	105	BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	0	0	0	0	235	0	0	0	0	0	235
0	106	BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	0	0	0	0	-20,307	0	0	0	0	0	-20,307
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S4	04	8,486	13,164	7,840	6,388	5,000	40,878	0	40,878	0	0	0	0	40,878	0	0	0	0	0	40,878
0	108	LIDAR PURCHASE	CW	S4	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total	Total	Total	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
											2017-2021	2022-2026	2017-2026											
<b>WAS000442 BASEMENT FLOODING RELIEF</b>																								
0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	0	0	0	0	194	0	0	0	0	194	
0	110	BASEMENT FLOODING PROTECTION SUBSIDY PROG- 2017 SC	CW	S3	04	0	0	5,500	0	0	5,500	0	5,500	0	0	0	0	5,500	0	0	0	0	5,500	
0	111	BASEMENT FLOODING STUDIES & EAS- 2017 SC	CW	S3	04	215	249	0	0	100	564	0	564	0	0	0	0	564	0	0	0	0	564	
0	112	BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	0	0	0	0	-241	0	0	0	0	-241	
0	113	BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	0	0	0	0	-641	0	0	0	0	-641	
0	114	ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	CW	S3	04	-515	0	0	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	-515	
0	115	BASEMENT FLOODING STUDIES&EA'S-CW IMPLEMENT 2017SC	CW	S3	04	-6,946	-2,242	3,550	2,850	1,800	-988	3,650	2,662	0	0	0	0	2,662	0	0	0	0	2,662	
0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC	CW	S3	04	-715	-574	-546	-518	-500	-2,853	0	-2,853	0	0	0	0	-2,853	0	0	0	0	-2,853	
Sub-total						71,847	95,269	116,125	128,379	149,370	560,990	675,740	1,236,730	0	0	0	0	01,236,730	0	0	0	0	01,236,730	
<b>WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &amp;</b>																								
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,326	4,000	1,742	0	0	7,068	0	7,068	0	0	0	0	7,068	0	0	0	0	7,068	
0	9	HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	CW	S3	03	1,674	-674	-1,112	0	0	-112	0	-112	0	0	0	0	-112	0	0	0	0	-112	
Sub-total						3,000	3,326	630	0	0	6,956	0	6,956	0	0	0	0	6,956	0	0	0	0	0	6,956
<b>WAS906322 W&amp;WW LABORATORIES</b>																								
0	9	LAB EQUIPMENT	CW	S2	03	188	207	0	0	0	395	0	395	0	0	0	0	395	0	0	0	0	395	
0	31	LAB EQUIPMENT- 2017 SC	CW	S3	03	57	41	358	209	458	1,123	0	1,123	0	0	0	0	1,123	0	0	0	0	1,123	
Sub-total						245	248	358	209	458	1,518	0	1,518	0	0	0	0	1,518	0	0	0	0	0	1,518
<b>WAS906328 SWM END OF PIPE FACILITIES</b>																								
0	11	Bonar Creek SWMF Construction	CW	S2	04	3,000	7,400	5,570	150	0	16,120	0	16,120	0	0	1,296	0	14,824	0	0	0	0	16,120	
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	1,475	0	0	0	0	1,475	0	1,475	0	0	119	0	1,356	0	0	0	0	1,475	
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	0	1,150	1,150	46,800	47,950	0	0	3,860	0	44,090	0	0	0	0	47,950	
0	63	Bonar Creek SWMF Construction-2017 SC	CW	S3	04	-2,750	-6,900	2,280	7,550	100	280	100	380	0	0	32	0	348	0	0	0	0	380	
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S4	03	100	350	150	0	0	600	0	600	0	0	48	0	552	0	0	0	0	600	
0	65	NORTH TORONTO CSO CONSTR- 2017 SC	CW	S3	04	47	0	0	0	0	47	0	47	0	0	4	0	43	0	0	0	0	47	
0	66	EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	CW	S3	04	-543	250	250	0	0	-43	0	-43	0	0	-4	0	-39	0	0	0	0	-43	

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name Priority/SubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906328 SWM END OF PIPE FACILITIES</u>																									
0	67	YR03 D1 END OF PIPE- 2017 SC	CW	S3	04	1	1	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	
Sub-total						1,330	1,101	8,250	7,700	1,250	19,631	46,900	66,531	0	0	5,355	0	61,176	0	0	0	0	0	66,531	
<u>WAS906331 SWM SOURCE CONTROL PROG</u>																									
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
Sub-total						150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
<u>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</u>																									
0	1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	524	1,020	917	100	5	2,566	0	2,566	0	0	206	0	2,360	0	0	0	0	0	2,566	
0	2	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	CW	S2	02	15,000	15,000	5,205	0	0	35,205	0	35,205	0	0	2,833	0	32,372	0	0	0	0	0	35,205	
0	20	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2017 SC	CW	S3	04	476	-400	-477	339	1	-61	0	-61	0	0	-6	0	-55	0	0	0	0	0	-61	
0	21	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR- 2017 SC	CW	S3	02	-1,999	-7,000	1,000	6,117	0	-1,882	0	-1,882	0	0	-152	0	-1,730	0	0	0	0	0	-1,882	
Sub-total						14,001	8,620	6,645	6,556	6	35,828	0	35,828	0	0	2,881	0	32,947	0	0	0	0	0	35,828	
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																									
0	3	PCS-PLANT SRVS	CW	S2	04	30	0	0	0	0	30	0	30	0	0	2	0	28	0	0	0	0	0	30	
0	48	PCS-PLANT SRVS- 2017 SC	CW	S3	04	10	177	0	0	0	187	0	187	0	0	15	0	172	0	0	0	0	0	187	
Sub-total						40	177	0	0	0	217	0	217	0	0	17	0	200	0	0	0	0	0	217	
<u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>																									
0	22	PCS PLANT SERVICES	CW	S4	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total						1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1
<u>WAS906488 HUMBER T.P. - II YR2004</u>																									
0	2	PCS PLANT SERVICES	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	
0	24	PCS PLANT SERVICES- 2017 SC	CW	S3	04	-1	8	0	0	0	7	0	7	0	0	1	0	6	0	0	0	0	0	7	
Sub-total						1	8	0	0	0	9	0	9	0	0	1	0	8	0	0	0	0	0	0	9
<u>WAS906492 WET WEATHER FLOW MP</u>																									
0	1	SWM INAVEA	CW	S2	04	650	350	50	0	0	1,050	0	1,050	0	0	84	0	966	0	0	0	0	0	1,050	
0	2	PUBLIC EDUCATION	CW	S2	04	550	0	0	0	0	550	0	550	0	0	44	0	506	0	0	0	0	0	550	
0	14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	1,570	1,450	0	0	0	3,020	0	3,020	0	0	244	0	2,776	0	0	0	0	0	3,020	

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Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By													
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
<u>WAS906492 WET WEATHER FLOW MP</u>																										
0	58	SWM CONVEYANCE 2015	CW	S2	04	685	0	0	0	0	685	0	685	0	0	55	0	630	0	0	0	0	0	0	685	
0	59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2	03	3,975	4,800	4,800	2,000	0	15,575	0	15,575	0	0	0	0	15,575	0	0	0	0	0	0	15,575	
0	60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	5,045	5,000	5,000	5,000	5,000	25,045	7,950	32,995	0	0	0	0	32,995	0	0	0	0	0	0	32,995	
0	76	SWM CONVEYANCE 2016	CW	S2	04	2,303	245	0	0	0	2,548	0	2,548	0	0	205	0	2,343	0	0	0	0	0	0	2,548	
0	82	STORM WATER POND ASSESSMENT & CLEANING-2017 SC	CW	S3	03	-3,550	-2,987	-2,400	2,800	4,300	-1,837	3,500	1,663	0	0	0	0	1,663	0	0	0	0	0	0	1,663	
0	83	ASHBRIDGES BAY LANDFORMS-2017 SC	CW	S3	04	-4,545	0	0	0	0	-4,545	4,550	5	0	0	0	0	5	0	0	0	0	0	0	5	
0	84	SWM CONVEYANCE 2017	CW	S4	04	3,460	2,172	1,010	0	0	6,642	0	6,642	0	0	535	0	6,107	0	0	0	0	0	0	6,642	
0	85	HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	CW	S4	04	200	0	0	0	0	200	0	200	0	0	16	0	184	0	0	0	0	0	0	200	
0	86	GREEN STREETS	CW	S4	04	333	568	403	170	0	1,474	0	1,474	0	0	119	0	1,355	0	0	0	0	0	0	1,474	
0	92	WWFMP IMPLEMENTATION - DESIGN - 2017 SC	CW	S3	04	-872	-712	1,400	1,450	0	1,266	0	1,266	0	0	101	0	1,165	0	0	0	0	0	0	1,266	
0	93	SWM INA/EA- 2017 SC	CW	S3	04	-282	100	275	0	0	93	0	93	0	0	8	0	85	0	0	0	0	0	0	93	
0	94	PUBLIC EDUCATION- 2017 SC	CW	S3	04	60	610	0	0	0	670	0	670	0	0	54	0	616	0	0	0	0	0	0	670	
0	95	SWM CONVEYANCE 2015- 2017 SC	CW	S3	04	-434	200	0	0	0	-234	0	-234	0	0	-19	0	-215	0	0	0	0	0	0	-234	
0	96	SWM CONVEYANCE 2016- 2017 SC	CW	S3	04	-2,303	-245	0	0	0	-2,548	0	-2,548	0	0	-205	0	-2,343	0	0	0	0	0	0	-2,548	
0	97	WATERFRONT MODELLING STUDIES	CW	S4	05	25	100	100	100	100	425	75	500	0	0	40	0	460	0	0	0	0	0	0	500	
Sub-total						6,870	11,651	10,638	11,520	9,400	50,079	16,075	66,154	0	0	1,281	0	64,873	0	0	0	0	0	0	66,154	
<u>WAS906495 SEWER ASSET PLANNING</u>																										
0	5	SEWER ASSET PLANNING	CW	S2	03	5,016	4,100	4,090	255	0	13,461	0	13,461	0	0	1,083	0	12,378	0	0	0	0	0	0	13,461	
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	8,978	10,741	12,000	11,000	5,495	48,214	0	48,214	0	0	0	0	48,214	0	0	0	0	0	0	48,214	
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	225	0	0	0	0	225	0	225	0	0	0	0	225	0	0	0	0	0	0	225	
0	31	SEWER ASSET PLANNING-2017 SC	CW	S3	03	349	3,575	2,994	0	0	6,918	0	6,918	0	0	558	0	6,360	0	0	0	0	0	0	6,918	
0	32	SEWER SYSTEM INSPECTION-2017 SC	CW	S3	03	293	9,541	-4,255	-1,000	-5,495	-916	0	-916	0	0	0	0	-916	0	0	0	0	0	0	-916	
0	33	PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	CW	S3	05	-75	150	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	0	0	75	



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						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906743 ASHRIDGES BAY TP YR2005</u>																								
0	1	MISC MECH ENGINEERING	CW	S2	03	786	838	87	0	0	1,711	0	1,711	0	0	138	0	1,573	0	0	0	0	0	1,711
0	7	SERVICE AIR UPGRADES	CW	S2	03	2,885	1,497	150	0	0	4,532	0	4,532	0	0	0	0	4,532	0	0	0	0	0	4,532
0	59	MISC MECH ENGINEERING- 2017 SC	CW	S3	03	-386	-438	395	80	0	-349	0	-349	0	0	-29	0	-320	0	0	0	0	0	-349
0	60	SERVICE AIR UPGRADES- 2017 SC	CW	S3	03	-1,785	949	-75	0	0	-911	0	-911	0	0	0	0	-911	0	0	0	0	0	-911
Sub-total						1,500	2,846	557	80	0	4,983	0	4,983	0	0	109	0	4,874	0	0	0	0	0	4,983
<u>WAS906755 WESTERN BEACHES RETROFIT</u>																								
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	4,709	3,092	1,057	15	86	8,959	0	8,959	0	0	721	0	8,238	0	0	0	0	0	8,959
0	15	WESTERN BEACHES RETROFIT- 2017 SC	CW	S3	03	-3,489	2,224	5,285	5,870	-71	9,819	86	9,905	0	0	798	0	9,107	0	0	0	0	0	9,905
Sub-total						1,220	5,316	6,342	5,885	15	18,778	86	18,864	0	0	1,519	0	17,345	0	0	0	0	0	18,864
<u>WAS906926 OPERATIONAL SUPPORT</u>																								
0	6	FACILITY RENOVATION	CW	S2	04	1,450	1,000	0	0	0	2,450	0	2,450	0	0	0	0	2,450	0	0	0	0	0	2,450
0	7	RENOVATION - MERTON STREET	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	23	EMP MONITORING NEEDS	CW	S2	04	95	0	0	0	0	95	0	95	0	0	0	0	95	0	0	0	0	0	95
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	4,119	5,309	5,808	4,024	24	19,284	0	19,284	0	0	0	0	19,284	0	0	0	0	0	19,284
0	98	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	100	DIVISIONAL SECURITY	CW	S2	04	1,025	0	0	0	0	1,025	0	1,025	0	0	0	0	1,025	0	0	0	0	0	1,025
0	105	BACKUP POWER - FINCH AND DEE	CW	S4	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	107	OFFICE MODERNIZATION - MH18	CW	S4	04	625	1,875	0	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0	108	DIVISIONAL SECURITY- 2017 SC	CW	S3	04	0	1,030	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030
0	109	FACILITY RENOVATION- 2017 SC	CW	S3	04	-700	-250	750	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	110	RENOVATION - MERTON STREET- 2017 SC	CW	S3	04	0	20	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0	111	DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	CW	S3	02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	112	EMP MONITORING NEEDS- 2017 SC	CW	S3	04	-45	50	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	113	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 SC	CW	S3	04	91	203	-793	725	27	253	0	253	0	0	0	0	253	0	0	0	0	0	253

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS906926 OPERATIONAL SUPPORT</b>																									
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S4	04	250	250	1,000	2,000	400	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900	
Sub-total						7,415	9,487	6,765	6,749	451	30,867	0	30,867	0	0	0	0	30,867	0	0	0	0	0	30,867	
<b>WAS906958 SEWER SYSTEM REHABILITATION</b>																									
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	0	0	1	0	9	0	0	0	0	0	10	
0	5	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	0	0	0	0	59	0	0	0	0	0	59	
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	561	0	0	0	0	561	0	561	0	0	45	0	516	0	0	0	0	0	561	
0	9	SEWER REHABILITATION	CW	S2	03	9,700	3,581	0	0	0	13,281	0	13,281	0	0	0	0	13,281	0	0	0	0	0	13,281	
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	163	0	0	0	0	163	0	163	0	0	13	0	150	0	0	0	0	0	163	
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	7,708	6,300	6,165	1,928	28	22,129	0	22,129	0	0	1,781	0	20,348	0	0	0	0	0	22,129	
0	79	SEWER REHABILITATION - CWD	CW	S2	03	34,274	15,250	0	0	0	49,524	0	49,524	0	0	3,551	0	45,973	0	0	0	0	0	49,524	
0	81	CCTV INSPECTION-2017 SC	CW	S3	03	1,141	1,200	0	0	0	2,341	0	2,341	0	0	0	0	2,341	0	0	0	0	0	2,341	
0	82	SEWER REHABILITATION-2017 SC	CW	S3	03	14,453	12,580	6,036	36	0	33,105	0	33,105	0	0	0	0	33,105	0	0	0	0	0	33,105	
0	83	SEWER REHABILITATION - CWD-2017 SC	CW	S3	03	4,258	23,711	18,200	1,700	1,700	49,569	1,850	51,419	0	0	-3,551	0	54,970	0	0	0	0	0	51,419	
0	86	SEWAGE PUMPING STATION STANDBY POWER - 2017 SC	CW	S3	02	-144	114	0	0	0	-30	0	-30	0	0	-2	0	-28	0	0	0	0	0	-30	
0	87	GROUPS 2 3 4 SEWAGE PUMPING STATION UPGR- 2017 SC	CW	S3	03	0	32	0	0	0	32	0	32	0	0	3	0	29	0	0	0	0	0	32	
0	88	SPS SCADA UPGRADES - ENGINEERING- 2017 SC	CW	S3	04	-173	214	0	0	0	41	0	41	0	0	3	0	38	0	0	0	0	0	41	
0	89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017 SC	CW	S3	05	-4,308	0	100	2,000	2,100	-108	0	-108	0	0	-9	0	-99	0	0	0	0	0	-108	
Sub-total						67,702	62,982	30,501	5,664	3,828	170,677	1,850	172,527	0	0	1,835	0	170,692	0	0	0	0	0	172,527	
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																									
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	42	0	0	0	0	42	0	42	0	0	3	0	39	0	0	0	0	0	42	
0	7	STREAM RESTORATION	CW	S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	0	0	1,192	0	13,619	0	0	0	0	0	14,811	
0	39	STREAM RESTORATION - PHASE 2	CW	S2	03	2,850	8,350	8,800	4,400	2,200	26,600	9,790	36,390	0	0	2,927	0	33,463	0	0	0	0	0	36,390	
0	41	WATERCOURSE - ENGINEERING	CW	S4	03	100	1,175	1,135	1,025	1,030	4,465	1,490	5,955	0	0	480	0	5,475	0	0	0	0	0	5,955	
0	43	PARTNER PROJECTS	CW	S4	03	1,000	1,600	1,600	600	200	5,000	0	5,000	0	0	403	0	4,597	0	0	0	0	0	5,000	

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Appendix 4: 2017 Cash Flow and Future Year Commitments

Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Total Financing	
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																							
0 48	STREAM RESTORATION - 2017 SC	CW	S3	03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	0	-943	0	-10,773	0	0	0	0	0	-11,716
0 49	STREAM RESTORATION - PHASE 2 - 2017 SC	CW	S3	03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	0	-2,927	0	-33,463	0	0	0	0	0	-36,390
0 50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	0	1	0	2	0	0	0	0	0	3
0 51	STUDIES, EAs, MASTER PLANS	CW	S4	03	910	1,740	1,930	860	410	5,850	50	5,900	0	0	474	0	5,426	0	0	0	0	0	5,900
0 52	CRITICAL REPAIRS	CW	S4	03	825	1,775	1,500	1,275	1,575	6,950	2,555	9,505	0	0	766	0	8,739	0	0	0	0	0	9,505
0 53	EMERGENCY EROSION CONTROL	CW	S4	03	300	740	850	300	300	2,490	150	2,640	0	0	212	0	2,428	0	0	0	0	0	2,640
Sub-total					5,986	7,319	7,015	4,060	3,515	27,895	4,245	32,140	0	0	2,588	0	29,552	0	0	0	0	0	32,140
<b>WAS906966 SWM TRCA FUNDING</b>																							
0 23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	CW	S3	04	4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0	0	0	0	0	4,275
Sub-total					4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0	0	0	0	0	4,275
<b>WAS906968 ENGINEERING</b>																							
0 2	CONSULTING FEES	CW	S2	03	13,978	9,453	6,307	5,554	1,313	36,605	0	36,605	0	0	0	0	36,605	0	0	0	0	0	36,605
0 59	ROAD RESTORATION	CW	S2	03	1,838	0	0	0	0	1,838	0	1,838	0	0	0	0	1,838	0	0	0	0	0	1,838
0 64	CONSULTING FEES	CW	S3	03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	0	0	0	0	10,040	0	0	0	0	0	10,040
0 65	ECS SALARIES	CW	S3	03	13,936	0	0	0	0	13,936	0	13,936	0	0	0	0	13,936	0	0	0	0	0	13,936
0 66	ROAD RESTORATION- 2017 SC	CW	S3	03	-1,038	800	0	0	0	-238	0	-238	0	0	0	0	-238	0	0	0	0	0	-238
Sub-total					26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	0	0	0	62,181	0	0	0	0	0	62,181
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																							
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 25	2012 SEWER REPLC	CW	S2	03	415	0	0	0	0	415	0	415	0	0	0	0	415	0	0	0	0	0	415
0 35	2013 SEWER REPLC	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	631	0	0	0	0	631	0	631	0	0	2	0	629	0	0	0	0	0	631
0 46	EBF REPORT	CW	S2	04	41	0	0	0	0	41	0	41	0	0	27	0	14	0	0	0	0	0	41
0 52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,951	1,900	1,786	0	0	5,637	0	5,637	0	0	0	0	5,637	0	0	0	0	0	5,637
0 55	SEWER REPLACEMENT - LESLIE ST 2017 SC	CW	S3	03	147	0	0	0	0	147	0	147	0	0	12	0	135	0	0	0	0	0	147



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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																							
0 62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	0	0	137	0	1,556	0	0	0	0	1,693	
0 71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	0	0	1,194	0	13,638	0	0	0	0	14,832	
0 75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	0	0	0	0	23,475	0	0	0	0	23,475	
0 78	SEWER REPLC - 2017 PROGRAM	CW	S4	03	4,898	2,047	1,257	0	0	8,202	0	8,202	0	0	660	0	7,542	0	0	0	0	8,202	
0 81	SEWER REPLC - 2014 PROGRAM - 2017 SC	CW	S3	03	-607	335	0	0	0	-272	0	-272	0	0	27	0	-299	0	0	0	0	-272	
0 82	SEWER REPLACEMENT - METROLINX - 2017 SC	CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	0	0	0	0	540	0	0	0	0	540	
0 83	FORCEMAIN REPLACEMENT- 2017 SC	CW	S3	03	-5	25	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	20	
0 84	2012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	0	0	0	0	-293	0	0	0	0	-293	
0 85	EBF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	0	0	627	0	332	0	0	0	0	959	
0 86	EBF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	0	0	2,905	0	1,537	0	0	0	0	4,442	
0 87	SEWER REPLC - 2015 PROGRAM- 2017 SC	CW	S3	03	314	505	0	0	0	819	0	819	0	0	65	0	754	0	0	0	0	819	
0 88	SEWER REPLC - 2016 PROGRAM- 2017 SC	CW	S3	03	-4,021	4,788	0	0	0	767	0	767	0	0	62	0	705	0	0	0	0	767	
0 89	FORCEMAIN REPLACEMENT - 2016- 2017 SC	CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	0	0	0	0	-1,250	0	0	0	0	-1,250	
Sub-total					19,132	23,684	14,118	1,941	1,941	60,816	0	60,816	0	0	5,718	0	55,098	0	0	0	0	60,816	
<b>WAS906980 ASHBRIDGES BAY T.P. YR2006</b>																							
0 9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	0	0	100	0	1,148	0	0	0	0	1,248	
0 42	DEWATERING EQUIPMENT UPGRADES- 2017 SC	CW	S3	03	-1,248	0	0	0	0	-1,248	0	-1,248	0	0	-100	0	-1,148	0	0	0	0	-1,248	
Sub-total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																							
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	0	0	0	0	5,828	0	0	0	0	5,828	
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,075	120	120	70	0	10,385	0	10,385	0	0	842	0	9,543	0	0	0	0	10,385	
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	510	500	0	0	0	1,010	0	1,010	0	0	81	0	929	0	0	0	0	1,010	
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0	0	0	0	671	
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	9,238	2,525	1,300	0	0	13,063	0	13,063	0	0	0	0	13,063	0	0	0	0	13,063	

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**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906981 HIGHLAND CREEK WWTP UPGRADES</u>																								
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	0	0	0	0	10,207	0	0	0	0	0	10,207
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	390	0	0	0	0	390	0	390	0	0	0	0	390	0	0	0	0	0	390
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	998	1,500	0	0	0	2,498	0	2,498	0	0	0	0	2,498	0	0	0	0	0	2,498
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	250	124	81	85	0	540	0	540	0	0	0	0	540	0	0	0	0	0	540
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	245	0	0	0	0	245	0	245	0	0	0	0	245	0	0	0	0	0	245
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S2	03	1,240	0	0	0	0	1,240	0	1,240	0	0	0	0	1,240	0	0	0	0	0	1,240
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	5,851	4,656	1,400	0	0	11,907	0	11,907	0	0	0	0	11,907	0	0	0	0	0	11,907
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	10,090	12,000	12,000	10,900	10,000	54,990	0	54,990	0	0	0	0	54,990	0	0	0	0	0	54,990
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	8,100	6,500	8,600	3,700	3,100	30,000	18,680	48,680	0	0	0	0	48,680	0	0	0	0	0	48,680
0	123	COMMUNICATION SYSTEM	CW	S2	04	400	650	1,900	400	50	3,400	0	3,400	0	0	0	0	3,400	0	0	0	0	0	3,400
0	124	BIOSOLIDS TREATMENT UPGRADES -2017 SC	CW	S3	03	-4,575	3,567	-99	-70	0	-1,177	0	-1,177	0	0	-97	0	-1,080	0	0	0	0	0	-1,177
0	125	TRANSFORMERS AND SWITCHGEAR-2017 SC	CW	S3	05	-500	-310	800	500	0	490	0	490	0	0	39	0	451	0	0	0	0	0	490
0	126	ELEC SYSTEM UPGRADES - CONSTR-2017 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	0	0	0	0	-350	0	0	0	0	0	-350
0	127	CEPA COMPLIANCE - CL NOTICE - HCTP-2017 SC	CW	S3	02	-498	-200	4,000	1,300	550	5,152	50	5,202	0	0	0	0	5,202	0	0	0	0	0	5,202
0	128	DIGESTER GAS SYSTEM UPGRADES-2017 SC	CW	S3	03	-4,138	2,552	3,700	5,500	0	7,614	0	7,614	0	0	0	0	7,614	0	0	0	0	0	7,614
0	129	LIQUID TRAIN - ENGINEERING-2017 SC	CW	S3	03	-6,000	-4,200	100	0	0	-10,100	11,800	1,700	0	0	0	0	1,700	0	0	0	0	0	1,700
0	130	LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	CW	S3	03	-5,001	500	1,600	2,000	900	-1	0	-1	0	0	0	0	-1	0	0	0	0	0	-1
0	131	AERATION SYSTEM&ASSOCIATED BLDG UPGRADES -2017 SC	CW	S3	04	-8,090	2,000	2,000	2,000	2,100	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	132	PROCESS & FACILITY UPGRADE- 2017 SC	CW	S3	04	-1,912	1,426	400	209	512	635	0	635	0	0	0	0	635	0	0	0	0	0	635
0	133	MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	CW	S3	03	-357	120	0	0	0	-237	0	-237	0	0	0	0	-237	0	0	0	0	0	-237
0	134	ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	03	-634	173	-2,430	-1,210	0	-4,101	0	-4,101	0	0	0	0	-4,101	0	0	0	0	0	-4,101
0	135	DIGESTER CLEANING REHAB IMPROVEMENTS #4-7- 2017 SC	CW	S3	03	0	-30	39	-39	15	-15	14	-1	0	0	0	0	-1	0	0	0	0	0	-1
0	136	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 SC	CW	S3	03	-195	100	100	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	137	PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	CW	S3	03	-1,240	0	0	0	0	-1,240	0	-1,240	0	0	0	0	-1,240	0	0	0	0	0	-1,240

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Wastewater Program

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					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																							
0 138	COMMUNICATION SYSTEM- 2017 SC	CW	S3	04	-300	-475	-1,425	1,100	1,200	100	50	150	0	0	0	0	150	0	0	0	0	0	150
Sub-total					18,355	35,168	42,031	28,503	19,067	143,124	30,629	173,753	0	0	865	0	172,888	0	0	0	0	0	173,753
<b>WAS906982 HUMBER WWTP UPGRADES</b>																							
0 2	CHLORINE FACILITY UPGRADE	CW	S2	01	451	0	0	0	0	451	0	451	0	0	0	0	451	0	0	0	0	0	451
0 5	FLOOD PROTECTION	CW	S2	02	180	0	0	0	0	180	0	180	0	0	0	0	180	0	0	0	0	0	180
0 6	NEW SUBSTATION	CW	S2	03	42	5	0	0	0	47	0	47	0	0	0	0	47	0	0	0	0	0	47
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,885	2,200	1,100	23	23	6,231	0	6,231	0	0	0	0	6,231	0	0	0	0	0	6,231
0 29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	670	410	160	25	25	1,290	0	1,290	0	0	0	0	1,290	0	0	0	0	0	1,290
0 52	HVAC UPGRADES	CW	S2	03	7,390	667	17	0	0	8,074	0	8,074	0	0	0	0	8,074	0	0	0	0	0	8,074
0 81	BLOWER REPLACEMENT	CW	S2	03	475	0	100	200	750	1,525	17,350	18,875	0	0	0	0	18,875	0	0	0	0	0	18,875
0 95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,509	0	0	0	0	1,509	0	1,509	0	0	0	0	1,509	0	0	0	0	0	1,509
0 99	WET WEATHER FLOW	CW	S2	04	2,315	1,450	1,000	0	0	4,765	0	4,765	0	0	0	0	4,765	0	0	0	0	0	4,765
0 101	FLOOD PROTECTION-2017 SC	CW	S3	02	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0 102	HVAC UPGRADES-2017 SC	CW	S3	03	-2,598	3,483	2,133	17	17	3,052	0	3,052	0	0	0	0	3,052	0	0	0	0	0	3,052
0 103	BLOWER REPLACEMENT-2017 SC	CW	S3	03	-225	250	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0 104	REPLACEMENT OF WASTE GAS BURNERS-2017 SC	CW	S3	03	-1,159	1,800	4,500	2,700	50	7,891	50	7,941	0	0	0	0	7,941	0	0	0	0	0	7,941
0 105	WET WEATHER FLOW-2017 SC	CW	S3	04	-1,715	250	500	1,000	0	35	0	35	0	0	0	0	35	0	0	0	0	0	35
0 107	MESI UPGRADES	CW	S4	03	500	500	500	500	500	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0 108	BUILDING UPGRADES ENGINEERING- 2017 SC	CW	S3	03	30	100	0	0	0	130	0	130	0	0	0	0	130	0	0	0	0	0	130
0 109	CHLORINE FACILITY UPGRADE- 2017 SC	CW	S3	01	-390	638	0	0	0	248	0	248	0	0	0	0	248	0	0	0	0	0	248
0 110	ELECTRICAL CONDITION ASSESSMENT RECOM- 2017 SC	CW	S3	01	-1,232	275	1,610	0	0	653	0	653	0	0	0	0	653	0	0	0	0	0	653
0 111	NEW SUBSTATION- 2017 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	0	0	-4	0	0	0	0	0	-4
0 112	NEW GROUNDSKEEPING BUILDING- 2017 SC	CW	S3	01	17	0	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 113	ADMIN BUILDING EXPANSION - ENGINEERING- 2017 SC	CW	S3	04	-387	90	445	475	418	1,041	20	1,061	0	0	0	0	1,061	0	0	0	0	0	1,061

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2017 Cash Flow and Future Year Commitments

Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS906982 HUMBER WWTP UPGRADES</b>																								
0 114	FIELD OFFICE- 2017 SC	CW	S3	03	322	0	0	0	0	322	0	322	0	0	0	0	322	0	0	0	0	0	322	
0 116	SERVICE REHAB AND UPGRADES	CW	S4	03	500	1,000	500	8,250	8,250	18,500	8,000	26,500	0	0	0	0	26,500	0	0	0	0	0	26,500	
Sub-total					9,596	13,118	12,565	13,190	10,033	58,502	25,420	83,922	0	0	0	0	83,922	0	0	0	0	0	83,922	
<b>WAS906994 HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HA</b>																								
0 1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	3,029	4,340	1,600	655	2,000	11,624	500	12,124	0	0	976	0	11,148	0	0	0	0	0	12,124	
0 3	WAS THICKENING - CONSTR	CW	S2	03	102	0	0	0	0	102	0	102	0	0	8	0	94	0	0	0	0	0	102	
0 17	WAS THICKENING - CONSTR-2017 SC	CW	S3	03	-52	504	0	0	0	452	0	452	0	0	37	0	415	0	0	0	0	0	452	
0 18	HCTP BMP IMPLEMENTATION-2017 SC	CW	S3	04	-2,929	-1,840	900	1,845	200	-1,824	5,100	3,276	0	0	263	0	3,013	0	0	0	0	0	3,276	
Sub-total					150	3,004	2,500	2,500	2,200	10,354	5,600	15,954	0	0	1,284	0	14,670	0	0	0	0	0	0	15,954
<b>WAS907038 Land Acquisition for Source Water Protect</b>																								
0 14	TRCA - SCARBOROUGH WATERFRONT TRAIL EA	CW	S2	04	85	0	0	0	0	85	0	85	0	0	7	0	78	0	0	0	0	0	85	
0 25	TRCA - SCARBOROUGH WATERFRONT WEST EA	CW	S2	04	1,385	400	0	0	0	1,785	0	1,785	0	0	47	0	1,738	0	0	0	0	0	1,785	
0 27	TRCA - CRITICAL EROSION SITES-2017 SC	CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	0	0	644	0	7,356	0	0	0	0	0	8,000	
0 28	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2017 SC	CW	S3	04	-385	600	350	0	0	565	0	565	0	0	141	0	424	0	0	0	0	0	565	
Sub-total					9,085	1,000	350	0	0	10,435	0	10,435	0	0	839	0	9,596	0	0	0	0	0	0	10,435
<b>WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC</b>																								
0 7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100	
0 19	BIO GAS UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	0	0	0	0	4,435	0	0	0	0	0	4,435	
0 21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	850	1,950	2,455	30	30	5,315	0	5,315	0	0	0	0	5,315	0	0	0	0	0	5,315	
0 61	CONTROLLED SUBSTANCE IDENTIFICATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0 62	BIO GAS UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	0	0	0	0	1,865	0	0	0	0	0	1,865	
0 63	BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 SC	CW	S3	04	-400	-20	-485	135	180	-590	1,055	465	0	0	0	0	465	0	0	0	0	0	465	
0 64	GROVE LANDSCAPING - PHASE 1	CW	S4	04	790	1,045	0	0	0	1,835	0	1,835	0	0	0	0	1,835	0	0	0	0	0	1,835	
Sub-total					1,540	4,075	3,070	2,265	2,210	13,160	1,155	14,315	0	0	0	0	14,315	0	0	0	0	0	0	14,315
<b>WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE</b>																								



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</b>																							
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	0	981	0	11,213	0	0	0	0	12,194	
0 4	DIGESTERS 9-12 REFURBISH	CW	S2	03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	0	2,901	0	33,165	0	0	0	0	36,066	
0 8	BIOSOLIDS PELLETTIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400	
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S4	03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	0	12,071	0	137,929	0	0	0	0	150,000	
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	967	500	1,000	0	0	2,467	0	2,467	0	0	0	0	2,467	0	0	0	0	2,467	
0 45	BIOSOLIDS PELLETTIZER RETROFIT-2017 SC	CW	S3	03	0	400	400	0	0	800	0	800	0	0	0	0	800	0	0	0	0	800	
0 46	DIGESTERS 9-12 REFURBISH - 2017 SC	CW	S3	03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0	0	335	0	3,813	0	0	0	0	4,148	
0 47	WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	CW	S3	03	-1,843	413	0	0	1,000	-430	400	-30	0	0	-3	0	-27	0	0	0	0	-30	
0 48	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2017 SC	CW	S3	03	-480	200	290	0	0	10	0	10	0	0	0	0	10	0	0	0	0	10	
Sub-total					7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0	0	16,285	0	189,770	0	0	0	0	206,055	
<b>WAS907101 ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</b>																							
0 5	BOILER #4 DESIGN	CW	S2	03	47	6	0	0	0	53	0	53	0	0	0	0	53	0	0	0	0	53	
0 6	MESI UPGRADES	CW	S2	03	3,448	3,074	3,167	0	0	9,689	0	9,689	0	0	0	0	9,689	0	0	0	0	9,689	
0 7	MISC MECH REHAB	CW	S2	03	8,120	1,900	0	0	0	10,020	0	10,020	0	0	0	0	10,020	0	0	0	0	10,020	
0 32	MISC MECH REHAB- 2017 SC	CW	S3	03	-3,120	3,196	0	0	0	76	0	76	0	0	0	0	76	0	0	0	0	76	
0 33	BOILER #4 DESIGN- 2017 SC	CW	S3	03	63	5	6	0	0	74	0	74	0	0	0	0	74	0	0	0	0	74	
0 34	MESI UPGRADES- 2017 SC	CW	S3	03	-463	0	0	0	0	-463	0	-463	0	0	0	0	-463	0	0	0	0	-463	
Sub-total					8,095	8,181	3,173	0	0	19,449	0	19,449	0	0	0	0	19,449	0	0	0	0	19,449	
<b>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</b>																							
0 6	BIOFILTERS UPGRADE & REPLACEMENT	CW	S2	03	10,098	122	0	0	0	10,220	0	10,220	0	0	823	0	9,397	0	0	0	0	10,220	
0 13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	992	0	0	0	0	992	0	992	0	0	80	0	912	0	0	0	0	992	
0 38	D BUILDING TREATMENT & BIOFILTER- 2017 SC	CW	S3	03	-98	110	0	0	0	12	0	12	0	0	1	0	11	0	0	0	0	12	
0 39	BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	CW	S3	03	-3,598	2,815	100	0	0	-683	0	-683	0	0	-56	0	-627	0	0	0	0	-683	
Sub-total					7,394	3,047	100	0	0	10,541	0	10,541	0	0	848	0	9,693	0	0	0	0	0	10,541
<b>WAS907104 HUMBER WWTP - LIQUID TREATMENT &amp; HANI</b>																							

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS907104 HUMBER WWTP - LIQUID TREATMENT &amp; HANI</u>																									
0	2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	3,811	3,350	3,332	3,250	2,193	15,936	544	16,480	0	0	1,328	0	15,152	0	0	0	0	0	16,480	
0	19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03	45,000	45,000	45,000	45,000	45,000	225,000	0	225,000	0	0	18,115	0	206,885	0	0	0	0	0	225,000	
0	24	SECONDARY TREATMENT UPGRADES - SOUTH-CONS-2017 SC	CW	S3	03	-11,500	-11,500	-16,500	-16,500	-25,997	-81,997	15,000	-66,997	0	0	-5,390	0	-61,607	0	0	0	0	0	-66,997	
0	25	SECONDARY TREATMENT UPGRADES - SOUTH - ENG 2017 SC	CW	S3	03	1,069	1,910	1,418	1,555	3,000	8,952	300	9,252	0	0	740	0	8,512	0	0	0	0	0	9,252	
Sub-total						38,380	38,760	33,250	33,305	24,196	167,891	15,844	183,735	0	0	14,793	0	168,942	0	0	0	0	0	183,735	
<u>WAS907105 HUMBER WWTP - O&amp;M UPGRADES</u>																									
0	1	GAS COMPRESSOR SYSTEM UPGRADES	CW	S2	03	3,723	0	0	0	0	3,723	0	3,723	0	0	0	0	3,723	0	0	0	0	0	3,723	
0	2	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	0	0	25	0	291	0	0	0	0	0	316	
0	31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	0	0	0	0	343	0	0	0	0	0	343	
0	32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	0	0	-25	0	-291	0	0	0	0	0	-316	
Sub-total						3,942	60	64	0	0	4,066	0	4,066	0	0	0	0	4,066	0	0	0	0	0	4,066	
<u>WAS907106 HUMBER WWTP - ODOUR CONTROL</u>																									
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	8,632	0	0	0	0	8,632	0	8,632	0	0	694	0	7,938	0	0	0	0	0	8,632	
0	13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	0	0	341	0	3,892	0	0	0	0	0	4,233	
Sub-total						6,255	6,610	0	0	0	12,865	0	12,865	0	0	1,035	0	11,830	0	0	0	0	0	0	12,865
<u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u>																									
0	1	SPS UPGRADES	CW	S2	02	2,593	0	0	0	0	2,593	0	2,593	0	0	209	0	2,384	0	0	0	0	0	2,593	
0	18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	0	0	1,842	0	21,029	0	0	0	0	0	22,871	
0	29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	0	0	442	0	5,065	0	0	0	0	0	5,507	
0	30	SUNNYSIDE SPS REHAB- 2017 SC	CW	S3	03	688	0	0	0	0	688	0	688	0	0	55	0	633	0	0	0	0	0	688	
0	31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	0	0	27	0	340	0	0	0	0	0	367	
Sub-total						3,378	5,110	4,394	6,250	5,356	24,488	7,538	32,026	0	0	2,575	0	29,451	0	0	0	0	0	0	32,026
<u>WAS907559 DON &amp; WATERFRONT TRUNK CSO</u>																									
0	1	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	CW	S2	04	7,933	5,338	5,180	5,180	5,180	28,811	11,436	40,247	0	0	3,239	0	37,008	0	0	0	0	0	40,247	
0	16	Don&Waterfront Trunk/CSO Design 2017 SC	CW	S3	04	-3,733	1,770	3,874	1,295	1,295	4,501	-3,885	616	0	0	49	0	567	0	0	0	0	0	616	





**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2017 Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Capital from Current Funds	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Financed By:																							
		Development Charges				19,058	28,196	25,583	19,066	7,505	99,408	11,935	111,343	0	0	111,343	0	0	0	0	0	0	111,343
		Reserve Funds (Ind."XR" Ref.)				447,854	632,810	610,403	506,324	398,962	2,596,353	1,257,439	3,853,792	0	0	0	0	0	0	0	0	0	3,853,792
<b>Total Program Financing</b>						<b>466,912</b>	<b>661,006</b>	<b>635,986</b>	<b>525,390</b>	<b>406,467</b>	<b>2,695,761</b>	<b>1,269,374</b>	<b>3,965,135</b>	<b>0</b>	<b>0</b>	<b>111,343</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,965,135</b>

- Status Code Description**  
 S2 S2 Prior Year (With 2017 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2017 and/or Future Year Cost(Cashflow)  
 S4 S4 New - Stand-Alone Project (Current Year Only)  
 S5 S5 New (On-going or Phased Projects)

- Category Code Description**  
 01 Health and Safety C01  
 02 Legislated C02  
 03 State of Good Repair C03  
 04 Service Improvement and Enhancement C04  
 05 Growth Related C05  
 06 Reserved Category 1 C06  
 07 Reserved Category 2 C07

## **Appendix 5**

### **2017 Capital Budget with Financing Detail**

(Phase 2) 10-Water Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5: 2017 Capital Projects with Financing Detail

Water Program  
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	Financing									
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAT000004 HORGAN W.T.P. EXPANSION</u></b>													
0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004	12/31/2017	24	0	0	8	0	8	0	0	8	0	0
0	38 PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017 SC	01/01/2017	12/31/2018	51	0	0	16	0	19	0	0	16	0	0
	<b>Project Sub-total:</b>			75	0	0	24	0	27	0	0	24	0	0
<b>0</b>	<b><u>WAT000014 WATER STORAGE EXPANSION</u></b>													
0	1 DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	01/01/2007	12/31/2017	18	0	0	11	0	7	0	0	0	0	0
0	2 Milliken PS and Reservoir - Engineering	01/01/2007	12/31/2017	50	0	0	21	0	10	0	0	19	0	0
0	53 DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017 SC	01/01/2017	12/31/2017	-17	0	0	-10	0	-7	0	0	0	0	0
	<b>Project Sub-total:</b>			51	0	0	22	0	10	0	0	19	0	0
<b>0</b>	<b><u>WAT000018 CLARK RESIDUE MGMT. FACILITIES</u></b>													
0	24 RESIDUALS RETROFITS AND UPGRADES	01/01/2013	12/31/2018	1,036	0	0	0	0	1,036	0	0	0	0	0
0	29 RESIDUALS RETROFITS AND UPGRADES-2017 SC	01/01/2017	12/31/2019	-567	0	0	0	0	-567	0	0	0	0	0
	<b>Project Sub-total:</b>			469	0	0	0	0	469	0	0	0	0	0
<b>0</b>	<b><u>WAT000021 WATER EFFICIENCY PROGRAM</u></b>													
0	10 ICI INDOOR WATER AUDIT	01/01/2005	12/31/2017	300	0	0	300	0	0	0	0	0	0	0
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2005	12/31/2017	150	0	0	150	0	0	0	0	0	0	0
0	12 ANCILLARY COSTS	01/01/2005	12/31/2017	70	0	0	70	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			520	0	0	520	0	0	0	0	0	0	0
<b>0</b>	<b><u>WAT000363 ENGINEERING STUDIES</u></b>													
0	2 IMPROVED TREATMENT STUDIES	01/01/2005	12/31/2017	296	0	0	0	0	207	0	0	89	0	0
0	18 CONTROLLED SUBSTANCES ID AND ABATEMENT	01/01/2007	12/31/2018	200	0	0	0	0	200	0	0	0	0	0
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/2008	12/31/2018	105	0	0	0	0	105	0	0	0	0	0
0	38 CORROSION CONTROL	01/01/2011	12/31/2017	4	0	0	0	0	4	0	0	0	0	0
0	65 SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	01/01/2016	12/31/2020	915	0	0	0	0	915	0	0	0	0	0
0	72 SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 S	01/01/2017	12/31/2020	-915	0	0	0	0	-915	0	0	0	0	0
0	73 CONTROLLED SUBSTANCES ID AND ABATEMENT- 2017 S	01/01/2017	12/31/2019	-100	0	0	0	0	-100	0	0	0	0	0
0	74 ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC	01/01/2017	12/31/2018	25	0	0	0	0	25	0	0	0	0	0
0	75 IMPROVED TREATMENT STUDIES- 2017 SC	01/01/2017	12/31/2018	-136	0	0	0	0	-95	0	0	-41	0	0
	<b>Project Sub-total:</b>			394	0	0	0	0	346	0	0	48	0	0
<b>0</b>	<b><u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u></b>													
0	9 TRUNK RADIO - SITE UPGRADE	01/01/2015	12/31/2017	400	0	0	0	0	400	0	0	0	0	0
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011	12/31/2017	200	0	0	0	0	200	0	0	0	0	0
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/2013	12/31/2018	795	0	0	0	0	795	0	0	0	0	0

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<b>0</b>	<b>WAT906334</b>	<b>BUSINESS SYSTEM INFRASTRUCTURE - PW</b>													
0	41	SCADA UPGRADES FOR WWT	01/01/2012	12/31/2022	5,206	0	0	0	0	5,206	0	0	0	0	0
0	42	PCS UPGRADES FOR WATER SUPPLY	01/01/2012	12/31/2017	492	0	0	0	0	492	0	0	0	0	0
0	67	SCADA UPGRADES FOR WWT - II	01/01/2012	12/31/2020	2,053	0	0	0	0	2,053	0	0	0	0	0
0	85	NETWORK IMPROVEMENTS	01/01/2016	12/31/2018	2,246	0	0	0	0	2,246	0	0	0	0	0
0	86	BLANKET CONTRACT MGMT TOOL	01/01/2017	12/31/2018	50	0	0	0	0	50	0	0	0	0	0
0	87	PCS UPGRADES 2017	01/01/2017	12/31/2019	210	0	0	0	0	210	0	0	0	0	0
0	88	TRUNK RADIO - EQUIPMENT	01/01/2017	12/31/2018	500	0	0	0	0	500	0	0	0	0	0
0	90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017	01/01/2017	12/31/2017	10	0	0	0	0	10	0	0	0	0	0
0	91	PCS LEGACY ALARM IMPROVEMENT - 2017 SC	01/01/2017	12/31/2019	166	0	0	0	0	166	0	0	0	0	0
0	92	RELIABILITY IMPROVEMENT PROGRAM- 2017 SC	01/01/2017	12/31/2020	-585	0	0	0	0	-585	0	0	0	0	0
0	93	SCADA UPGRADES FOR WWT- 2017 SC	01/01/2017	12/31/2022	-2,651	0	0	0	0	-2,651	0	0	0	0	0
0	94	SCADA UPGRADES FOR WWT - II - 2017 SC	01/01/2017	12/31/2020	-718	0	0	0	0	-718	0	0	0	0	0
0	95	NETWORK IMPROVEMENTS- 2017 SC	01/01/2017	12/31/2018	-1,016	0	0	0	0	-1,016	0	0	0	0	0
0	96	PCS UPGRADES FOR WATER SUPPLY- 2017 SC	01/01/2017	12/31/2017	-12	0	0	0	0	-12	0	0	0	0	0
0	97	SCADA SOFTWARE	01/01/2017	12/31/2021	220	0	0	0	0	220	0	0	0	0	0
		<b>Project Sub-total:</b>			7,566	0	0	0	0	7,566	0	0	0	0	0
<b>0</b>	<b>WAT906340</b>	<b>METERING &amp; METER READING SYS</b>													
0	2	AUTOMATED METER READING SYSTEM	01/01/2005	12/31/2020	8,314	0	0	0	0	8,314	0	0	0	0	0
0	18	AUTOMATED METER READING SYSTEM- 2017 SC	01/01/2017	12/31/2020	-2,940	0	0	0	0	-2,940	0	0	0	0	0
		<b>Project Sub-total:</b>			5,374	0	0	0	0	5,374	0	0	0	0	0
<b>0</b>	<b>WAT906467</b>	<b>AVENUE ROAD TRUNKMAIN REPLACEMENT</b>													
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	01/01/2005	12/31/2017	92	0	0	46	0	29	0	0	17	0	0
0	29	JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017 SC	01/01/2017	12/31/2017	10	0	0	5	0	3	0	0	2	0	0
0	30	JOS - AVENUE WM CONS HI LEVEL TO LAWRENCE- 2017 SC	01/01/2017	12/31/2018	221	0	0	111	0	69	0	0	41	0	0
		<b>Project Sub-total:</b>			323	0	0	162	0	101	0	0	60	0	0
<b>0</b>	<b>WAT906470</b>	<b>ISLAND W.T.P. R&amp;R</b>													
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/2013	12/31/2023	723	0	0	0	0	723	0	0	0	0	0
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST	01/01/2015	12/31/2021	2,000	0	0	122	0	1,878	0	0	0	0	0
0	30	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-20	01/01/2017	12/31/2024	-143	0	0	0	0	-143	0	0	0	0	0
0	31	CHEMICAL & RESIDUALS MANAGMENT CONST-2017 SC	01/01/2017	12/31/2022	9,000	0	0	547	0	8,453	0	0	0	0	0
		<b>Project Sub-total:</b>			11,580	0	0	669	0	10,911	0	0	0	0	0
<b>0</b>	<b>WAT906481</b>	<b>DISTRICT WATERMAINS - NEW</b>													
0	1	NEW WM	01/01/2005	12/31/2017	515	0	0	515	0	0	0	0	0	0	0

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<b>0</b>	<b>WAT906481</b>	<b>DISTRICT WATERMAINS - NEW</b>													
0	15	NEW WM - 2017 SC	01/01/2017	12/31/2018	-500	0	0	-500	0	0	0	0	0	0	0
		<b>Project Sub-total:</b>			15	0	0	15	0	0	0	0	0	0	0
<b>0</b>	<b>WAT906483</b>	<b>PW ENGINEERING</b>													
0	2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	01/01/2005	12/31/2019	3,946	0	0	0	0	3,946	0	0	0	0	0
0	5	WATERMAIN ASSET PLANNING	01/01/2007	12/31/2019	1,482	0	0	370	0	525	0	0	587	0	0
0	7	EASEMENT ACQUISITION	01/01/2007	12/31/2017	500	0	0	0	0	500	0	0	0	0	0
0	22	WATER LOSS REDUCTION STRATEGY	01/01/2012	12/31/2020	621	0	0	0	0	621	0	0	0	0	0
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	01/01/2016	12/31/2025	1,090	0	0	273	0	817	0	0	0	0	0
0	52	JOS UPDATE PHASE II	01/01/2015	12/31/2018	1,135	0	0	568	0	-1	0	0	568	0	0
0	64	WATERMAIN ASSET PLANNING-2017 SC	01/01/2017	12/31/2023	-737	0	0	-184	0	-261	0	0	-292	0	0
0	65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	01/01/2017	12/31/2024	-785	0	0	-197	0	-588	0	0	0	0	0
0	66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	01/01/2017	12/31/2020	-2,074	0	0	0	0	-2,074	0	0	0	0	0
0	68	WATER LOSS REDUCTION STRATEGY- 2017 SC	01/01/2017	12/31/2021	-211	0	0	0	0	-211	0	0	0	0	0
0	69	JOS UPDATE PHASE II- 2017 SC	01/01/2017	12/31/2019	-135	0	0	-68	0	1	0	0	-68	0	0
		<b>Project Sub-total:</b>			4,832	0	0	762	0	3,275	0	0	795	0	0
<b>0</b>	<b>WAT906749</b>	<b>DOWNTOWN W/M ENHANCEMENT</b>													
0	1	JOS - GERRARD ST WM - ENGINEERING	01/01/2006	12/31/2017	26	0	0	5	0	1	0	0	20	0	0
0	4	JOS - GERRARD ST WM - CONSTRUCTION	01/01/2010	12/31/2017	4,539	0	0	904	0	163	0	0	3,472	0	0
0	45	JOS - GERRARD ST WM - ENGINEERING- 2017 SC	01/01/2017	12/31/2018	-12	0	0	-2	0	-1	0	0	-9	0	0
0	46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	01/01/2017	12/31/2017	-4,539	0	0	-904	0	-163	0	0	-3,472	0	0
		<b>Project Sub-total:</b>			14	0	0	3	0	0	0	0	11	0	0
<b>0</b>	<b>WAT906752</b>	<b>TRANSMISSION R&amp;R</b>													
0	49	TRUNK WATERMAIN REHAB	01/01/2013	12/31/2018	250	0	0	0	0	250	0	0	0	0	0
0	51	CAST IRON TRUNK REPLC - PHASE 2	01/01/2013	12/31/2020	9,354	0	0	0	0	9,354	0	0	0	0	0
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014	12/31/2019	2,061	0	0	0	0	2,061	0	0	0	0	0
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	01/01/2016	12/31/2018	5,500	0	0	0	0	5,500	0	0	0	0	0
0	74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	01/01/2017	12/31/2020	-724	0	0	0	0	-724	0	0	0	0	0
0	75	TRUNK WATERMAIN REHAB- 2017 SC	01/01/2017	12/31/2020	114	0	0	0	0	114	0	0	0	0	0
0	76	CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	01/01/2017	12/31/2020	-1,011	0	0	0	0	-1,011	0	0	0	0	0
0	77	CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	01/01/2017	12/31/2019	-2,300	0	0	0	0	-2,300	0	0	0	0	0
		<b>Project Sub-total:</b>			13,244	0	0	0	0	13,244	0	0	0	0	0
<b>0</b>	<b>WAT906900</b>	<b>TRANSMISSION R&amp;R</b>													
0	1	TRANS FACILITIES REHAB	01/01/2006	12/31/2018	750	0	0	0	0	750	0	0	0	0	0

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<b>0</b>	<b>WAT906900</b>	<b>TRANSMISSION R&amp;R</b>													
0	26	SCARBOROUGH PS - PUMP REPLC	01/01/2013	12/31/2017	145	0	0	0	0	145	0	0	0	0	0
0	27	EGLINTON PS - PUMP REPLC	01/01/2013	12/31/2017	228	0	0	0	0	228	0	0	0	0	0
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECT	01/01/2014	12/31/2019	17,353	0	0	0	0	17,353	0	0	0	0	0
0	48	ROSEHILL RESERVOIR	01/01/2015	12/31/2019	11,479	0	0	0	0	11,479	0	0	0	0	0
0	49	DOWNSVIEW PS & CONNECTOR EA	01/01/2015	12/31/2017	410	0	0	0	0	410	0	0	0	0	0
0	50	PARKDALE PS REHABILITATION	01/01/2015	12/31/2019	3,580	0	0	0	0	3,580	0	0	0	0	0
0	51	ROSEHILL PS REHAB	01/01/2015	12/31/2021	1,786	0	0	0	0	1,786	0	0	0	0	0
0	67	PUMP REPLACEMENTS	01/01/2016	12/31/2019	900	0	0	0	0	900	0	0	0	0	0
0	72	RESERVOIR REHAB - PHASE 2 - ENG	01/01/2017	12/31/2026	200	0	0	0	0	200	0	0	0	0	0
0	74	PS REHAB - PHASE 2 - ENG	01/01/2017	12/31/2026	500	0	0	0	0	500	0	0	0	0	0
0	75	ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	01/01/2017	12/31/2021	-9,003	0	0	0	0	-9,003	0	0	0	0	0
0	76	ROSEHILL RESERVOIR-2017 SC	01/01/2017	12/31/2023	-9,229	0	0	0	0	-9,229	0	0	0	0	0
0	77	PARKDALE PS REHABILITATION-2017 SC	01/01/2017	12/31/2021	-2,385	0	0	0	0	-2,385	0	0	0	0	0
0	78	SCARBOROUGH PS - PUMP REPLC- 2017 SC	01/01/2017	12/31/2017	5	0	0	0	0	5	0	0	0	0	0
0	79	EGLINTON PS - PUMP REPLC- 2017 SC	01/01/2017	12/31/2017	25	0	0	0	0	25	0	0	0	0	0
0	80	DOWNSVIEW PS & CONNECTOR EA- 2017 SC	01/01/2017	12/31/2018	-85	0	0	0	0	-85	0	0	0	0	0
0	81	ROSEHILL PS REHAB- 2017 SC	01/01/2017	12/31/2021	33	0	0	0	0	33	0	0	0	0	0
		<b>Project Sub-total:</b>			16,692	0	0	0	0	16,692	0	0	0	0	0
<b>0</b>	<b>WAT906902</b>	<b>HARRIS W.T.P. R&amp;R</b>													
0	3	FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2017	500	0	0	0	0	500	0	0	0	0	0
0	21	HVAC REHAB CONSTRUCTION	01/01/2010	12/31/2018	2,766	0	0	0	0	2,766	0	0	0	0	0
0	29	HARRIS FILTERS REHABILITATION - PILOT	01/01/2015	12/31/2018	3,620	0	0	0	0	3,620	0	0	0	0	0
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014	12/31/2019	9,579	0	0	0	0	9,579	0	0	0	0	0
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015	12/31/2019	1,450	0	0	0	0	1,450	0	0	0	0	0
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATIC	01/01/2016	12/31/2021	200	0	0	0	0	200	0	0	0	0	0
0	99	CONTROL ROOM RELOCATION	01/01/2016	12/31/2017	593	0	0	0	0	593	0	0	0	0	0
0	100	EMERGENCY STANDBY POWER	01/01/2016	12/31/2018	895	0	0	0	0	895	0	0	0	0	0
0	102	PHONE SYSTEM UPGRADE	01/01/2016	12/31/2017	510	0	0	0	0	510	0	0	0	0	0
0	109	REHAB OF SETTLING BASIN ROOF & SLUICE GATES-2017	01/01/2017	12/31/2021	-279	0	0	0	0	-279	0	0	0	0	0
0	110	HARRIS FILTERS REHABILITATION - PILOT-2017 SC	01/01/2017	12/31/2019	-2,970	0	0	0	0	-2,970	0	0	0	0	0
0	111	CONTROL ROOM RELOCATION-2017 SC	01/01/2017	12/31/2018	-518	0	0	0	0	-518	0	0	0	0	0
0	113	PHONE SYSTEM UPGRADE-2017 SC	01/01/2017	12/31/2019	-510	0	0	0	0	-510	0	0	0	0	0
0	115	HVAC REHAB CONSTRUCTION- 2017 SC	01/01/2017	12/31/2019	-1,205	0	0	0	0	-1,205	0	0	0	0	0
0	116	LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	01/01/2017	12/31/2020	-989	0	0	0	0	-989	0	0	0	0	0

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<b>0</b>	<b><u>WAT906902</u></b>	<b><u>HARRIS W.T.P. R&amp;R</u></b>													
0	118	EMERGENCY STANDBY POWER- 2017 SC	01/01/2017	12/31/2019	-395	0	0	0	0	-395	0	0	0	0	0
		<b>Project Sub-total:</b>			13,247	0	0	0	0	13,247	0	0	0	0	0
<b>0</b>	<b><u>WAT906903</u></b>	<b><u>FJ HORGAN W.T.P. R&amp;R</u></b>													
0	5	FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2017	516	0	0	0	0	516	0	0	0	0	0
0	8	RAW WATER PUMP UGRADES	01/01/2016	12/31/2017	469	0	0	0	0	469	0	0	0	0	0
0	15	REPLACEMENT OF MCCS	01/01/2013	12/31/2022	2,315	0	0	0	0	2,315	0	0	0	0	0
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/2016	12/31/2021	855	0	0	0	0	855	0	0	0	0	0
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	01/01/2015	12/31/2019	550	0	0	0	0	550	0	0	0	0	0
0	34	TREATED WATER PUMP UPGRADES	01/01/2015	12/31/2017	1,890	0	0	0	0	1,890	0	0	0	0	0
0	53	FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017	12/31/2018	240	0	0	0	0	240	0	0	0	0	0
0	54	REPLACEMENT OF MCCS- 2017 SC	01/01/2017	12/31/2020	-57	0	0	0	0	-57	0	0	0	0	0
0	55	RAW WATER PUMP UGRADES- 2017 SC	01/01/2017	12/31/2017	52	0	0	0	0	52	0	0	0	0	0
0	56	ELEC GROUNDING SYS & STANDBY POWER OPTIMI-	01/01/2017	12/31/2019	-500	0	0	0	0	-500	0	0	0	0	0
0	57	TREATED WATER PUMP UPGRADES- 2017 SC	01/01/2017	12/31/2017	-364	0	0	0	0	-364	0	0	0	0	0
0	58	BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	01/01/2017	12/31/2019	-597	0	0	0	0	-597	0	0	0	0	0
		<b>Project Sub-total:</b>			5,369	0	0	0	0	5,369	0	0	0	0	0
<b>0</b>	<b><u>WAT906906</u></b>	<b><u>TRUNK WATERMAIN EXPANSION</u></b>													
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/2009	12/31/2020	784	0	0	375	0	231	0	0	178	0	0
0	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	01/01/2017	12/31/2020	2,000	0	0	958	0	588	0	0	454	0	0
0	69	JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	01/01/2017	12/31/2021	-384	0	0	-183	0	-114	0	0	-87	0	0
		<b>Project Sub-total:</b>			2,400	0	0	1,150	0	705	0	0	545	0	0
<b>0</b>	<b><u>WAT906914</u></b>	<b><u>SWITCH GEAR TRANSFORMER</u></b>													
0	13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/2012	12/31/2017	3,913	0	0	0	0	3,913	0	0	0	0	0
0	30	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	01/01/2017	12/31/2018	-1,663	0	0	0	0	-1,663	0	0	0	0	0
		<b>Project Sub-total:</b>			2,250	0	0	0	0	2,250	0	0	0	0	0
<b>0</b>	<b><u>WAT906917</u></b>	<b><u>TRANSMISSION OPERATIONS OPTIMIZER</u></b>													
0	8	TRANSMISSION OPERATIONS OPTIMIZER	01/01/2014	12/31/2018	257	0	0	0	0	119	0	0	138	0	0
0	12	TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	01/01/2017	12/31/2018	-7	0	0	0	0	-36	0	0	29	0	0
		<b>Project Sub-total:</b>			250	0	0	0	0	83	0	0	167	0	0
<b>0</b>	<b><u>WAT906918</u></b>	<b><u>WATER SUSTAINABILITY PROGRAM</u></b>													
0	1	WATER SUSTAINABILITY PROGRAM	01/01/2013	12/31/2019	17,341	0	0	1,054	0	11,067	0	0	5,220	0	0
0	12	STANDBY POWER - ROSEHILL	01/01/2015	12/31/2021	3,344	0	0	201	0	2,140	0	0	1,003	0	0
0	19	WATER SUSTAINABILITY STANDBY POWER-ELLESMERE	01/01/2017	12/31/2020	-12,041	0	0	-732	0	-7,684	0	0	-3,625	0	0

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**Water Program**  
**Sub-Project Summary**

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	Financing										
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
<b>0 WAT906918 WATER SUSTAINABILITY PROGRAM</b>															
0	20 STANDBY POWER - ROSEHILL- 2017 SC	01/01/2017	12/31/2022	49	0	0	3	0	31	0	0	15	0	0	
	<b>Project Sub-total:</b>			8,693	0	0	526	0	5,554	0	0	2,613	0	0	
<b>0 WAT906919 RL CLARK W.T.P. R&amp;R</b>															
0	1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2018	150	0	0	0	0	150	0	0	0	0	0	
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/2008	12/31/2020	1,264	0	0	77	0	1,187	0	0	0	0	0	
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/2010	12/31/2019	15,112	0	0	919	0	14,193	0	0	0	0	0	
0	44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/2013	12/31/2018	308	0	0	0	0	308	0	0	0	0	0	
0	68 PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC	01/01/2017	12/31/2022	-904	0	0	-55	0	-849	0	0	0	0	0	
0	69 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC	01/01/2017	12/31/2020	-5,300	0	0	-322	0	-4,978	0	0	0	0	0	
0	70 FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017	12/31/2018	50	0	0	0	0	50	0	0	0	0	0	
0	71 EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	01/01/2017	12/31/2019	66	0	0	0	0	66	0	0	0	0	0	
	<b>Project Sub-total:</b>			10,746	0	0	619	0	10,127	0	0	0	0	0	
<b>0 WAT906930 DIST W/M REPLACEMENT</b>															
0	14 2010 WM REPLC	01/01/2010	12/31/2017	5	0	0	0	0	5	0	0	0	0	0	
0	21 2011 WM REPLC	01/01/2011	12/31/2017	4	0	0	0	0	4	0	0	0	0	0	
0	29 DIST W/M REPLC - 2012	05/27/2011	12/31/2017	113	0	0	0	0	113	0	0	0	0	0	
0	39 2013 WM REPLC - SOGR	01/01/2013	12/31/2017	1	0	0	0	0	1	0	0	0	0	0	
0	51 DIST W/M REPLACEMENT - 2014	01/01/2014	12/31/2017	402	0	0	0	0	402	0	0	0	0	0	
0	52 WATERMAIN UPGRADES - 2014	01/01/2014	12/31/2017	400	0	0	0	0	400	0	0	0	0	0	
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/2014	12/31/2019	1,045	0	0	0	0	1,045	0	0	0	0	0	
0	59 2013 WM REPLC - UPGRADES	01/01/2015	12/31/2017	5	0	0	2	0	3	0	0	0	0	0	
0	63 DIST W/M REPLACEMENT - 2015	01/01/2015	12/31/2018	4,691	0	0	729	0	3,962	0	0	0	0	0	
0	64 WATERMAIN UPGRADES - 2015	01/01/2015	12/31/2017	338	0	0	105	0	233	0	0	0	0	0	
0	73 DIST W/M REPLACEMENT - 2016	01/01/2016	12/31/2018	19,562	0	0	3,042	0	16,520	0	0	0	0	0	
0	74 WATERMAIN UPGRADES - 2016	01/01/2016	12/31/2018	3,470	0	0	1,080	0	2,390	0	0	0	0	0	
0	82 DIST W/M REPLACEMENT - 2015-2017 SC	01/01/2017	12/31/2018	-3,738	0	0	-581	0	-3,157	0	0	0	0	0	
0	83 DIST W/M REPLACEMENT - 2017	01/01/2017	12/31/2019	51,296	0	0	7,977	0	43,319	0	0	0	0	0	
0	84 WATERMAIN UPGRADES - 2017	01/01/2017	12/31/2019	10,333	0	0	3,215	0	7,118	0	0	0	0	0	
0	87 2010 WM REPLC- 2017 SC	01/01/2017	12/31/2017	1	0	0	0	0	1	0	0	0	0	0	
0	88 DIST W/M REPLC - 2012- 2017 SC	01/01/2017	12/31/2017	90	0	0	0	0	90	0	0	0	0	0	
0	89 2013 WM REPLC - SOGR- 2017 SC	01/01/2017	12/31/2017	10	0	0	0	0	10	0	0	0	0	0	
0	91 DIST W/M REPLACEMENT - 2014- 2017 SC	01/01/2017	12/31/2018	-401	0	0	0	0	-401	0	0	0	0	0	
0	92 WATERMAIN UPGRADES - 2014- 2017 SC	01/01/2017	12/31/2017	-400	0	0	0	0	-400	0	0	0	0	0	
0	93 WATERMAIN REPLACEMENT - METROLINX- 2017 SC	01/01/2017	12/31/2021	-712	0	0	0	0	-712	0	0	0	0	0	



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Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>		<b><u>WAT906930</u></b>		<b><u>DIST W/M REPLACEMENT</u></b>											
0	94	WATERMAIN UPGRADES - 2015- 2017 SC	01/01/2017	12/31/2017	-191	0	0	-59	0	-132	0	0	0	0	0
0	95	DIST W/M REPLACEMENT - 2016- 2017 SC	01/01/2017	12/31/2019	3,443	0	0	535	0	2,908	0	0	0	0	0
0	96	WATERMAIN UPGRADES - 2016- 2017 SC	01/01/2017	12/31/2018	1,086	0	0	337	0	749	0	0	0	0	0
<b>Project Sub-total:</b>					<b>90,853</b>	<b>0</b>	<b>0</b>	<b>16,382</b>	<b>0</b>	<b>74,471</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAT906932</u></b>		<b><u>DIST W/M REHABILITATION</u></b>											
0	4	HYDRANT & VALVE REPAIR	01/01/2007	12/31/2017	2,193	0	0	0	0	2,193	0	0	0	0	0
0	6	WATERMAIN STRUCTURAL LINING	01/01/2007	12/31/2020	52,318	0	0	0	0	52,318	0	0	0	0	0
0	7	CATHODIC PROTECTION	01/01/2007	12/31/2018	5,298	0	0	0	0	5,298	0	0	0	0	0
0	30	CUT REPAIR	01/01/2007	12/31/2017	2,933	0	0	0	0	2,933	0	0	0	0	0
0	50	HYDRANT & VALVE REPAIR-2017 SC	01/01/2017	12/31/2017	127	0	0	0	0	127	0	0	0	0	0
0	51	CUT REPAIR-2017 SC	01/01/2017	12/31/2018	367	0	0	0	0	367	0	0	0	0	0
0	52	WATERMAIN STRUCTURAL LINING-2017 SC	01/01/2017	12/31/2024	15,726	0	0	0	0	4,449	0	0	11,277	0	0
0	54	CATHODIC PROTECTION- 2017 SC	01/01/2017	12/31/2018	-1,198	0	0	0	0	-1,198	0	0	0	0	0
<b>Project Sub-total:</b>					<b>77,764</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>66,487</b>	<b>0</b>	<b>0</b>	<b>11,277</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAT906934</u></b>		<b><u>DIST WATER SERVICE REPAIR</u></b>											
0	12	WATER SERVICE REPAIR - LEAD PROGRAM	01/01/2008	12/31/2018	18,219	0	0	0	0	18,219	0	0	0	0	0
0	19	2010 WSR	01/01/2015	12/31/2017	5	0	0	0	0	5	0	0	0	0	0
0	32	WSR CUT REPAIR	01/01/2012	12/31/2017	1,750	0	0	0	0	1,750	0	0	0	0	0
0	39	2012 WATER SERVICE REPLC - SOGR	01/01/2012	12/31/2017	35	0	0	0	0	35	0	0	0	0	0
0	41	2013 WSR	01/01/2013	12/31/2017	11	0	0	0	0	11	0	0	0	0	0
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014	12/31/2017	11	0	0	0	0	11	0	0	0	0	0
0	59	2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015	12/31/2019	2,277	0	0	0	0	2,277	0	0	0	0	0
0	68	2016 WATER SERVICE REPLACEMENT - SOGR	01/01/2016	12/31/2018	12,062	0	0	0	0	12,062	0	0	0	0	0
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/2016	12/31/2017	7,449	0	0	0	0	7,449	0	0	0	0	0
0	74	REPLACEMENT OF FROZEN SERVICES	01/01/2016	12/31/2018	1,000	0	0	0	0	1,000	0	0	0	0	0
0	75	WSR CUT REPAIRS WITH WM SL	01/01/2016	12/31/2017	1,750	0	0	0	0	1,750	0	0	0	0	0
0	78	2011 WSR	01/01/2016	12/31/2017	14	0	0	0	0	14	0	0	0	0	0
0	80	WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	01/01/2017	12/31/2020	-6,716	0	0	0	0	-6,716	0	0	0	0	0
0	81	WSR CUT REPAIR-2017 SC	01/01/2017	12/31/2018	-250	0	0	0	0	-250	0	0	0	0	0
0	82	WATER SERVICE REPAIR - WM REHAB PROGRAM-2017 SC	01/01/2017	12/31/2020	1,723	0	0	0	0	1,723	0	0	0	0	0
0	83	WSR CUT REPAIRS WITH WM SL-2017 SC	01/01/2017	12/31/2018	-250	0	0	0	0	-250	0	0	0	0	0
0	84	2017 WATER SERVICE REPLACEMENT - SOGR	01/01/2017	12/31/2019	10,000	0	0	0	0	10,000	0	0	0	0	0
0	87	2011 WSR- 2017 SC	01/01/2017	12/31/2017	1	0	0	0	0	1	0	0	0	0	0
0	90	2015 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	01/01/2017	12/31/2019	-712	0	0	0	0	-712	0	0	0	0	0

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Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	Financing										
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
<b>0</b>	<b><u>WAT906934</u></b>	<b><u>DIST WATER SERVICE REPAIR</u></b>													
0	91 2016 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	01/01/2017	12/31/2018	-8,622	0	0	0	0	-8,622	0	0	0	0	0	0
	<b>Project Sub-total:</b>			39,757	0	0	0	0	39,757	0	0	0	0	0	0
<b>0</b>	<b><u>WAT906935</u></b>	<b><u>NEW SERVICE CONNECTIONS</u></b>													
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2008	12/31/2017	5,000	0	0	0	0	5,000	0	0	0	0	0	0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/2010	12/31/2018	22,000	0	0	0	0	22,000	0	0	0	0	0	0
0	22 NEW SERVICE CONNECTIONS - SITE SERVICING-2017 SC	01/01/2017	12/31/2018	8,000	0	0	0	0	8,000	0	0	0	0	0	0
	<b>Project Sub-total:</b>			35,000	0	0	0	0	35,000	0	0	0	0	0	0
<b>0</b>	<b><u>WAT906951</u></b>	<b><u>ENGINEERING</u></b>													
0	2 CONSULTING FEES	01/01/2006	12/31/2021	11,563	0	0	0	0	11,563	0	0	0	0	0	0
0	63 ROAD RESTORATION	01/01/2006	12/31/2017	6,005	0	0	0	0	6,005	0	0	0	0	0	0
0	69 LEGAL SERVICES SALARIES	01/01/2017	12/31/2017	205	0	0	0	0	205	0	0	0	0	0	0
0	70 ECS SALARIES	01/01/2017	12/31/2017	13,458	0	0	0	0	13,458	0	0	0	0	0	0
0	71 PPFA SALARIES	01/01/2017	12/31/2017	2,292	0	0	0	0	2,292	0	0	0	0	0	0
0	72 ROAD RESTORATION- 2017 SC	01/01/2017	12/31/2018	-4,005	0	0	0	0	-4,005	0	0	0	0	0	0
0	73 CONSULTING FEES- 2017 SC	01/01/2017	12/31/2026	1,182	0	0	0	0	1,182	0	0	0	0	0	0
0	74 PMMD SALARIES	01/01/2017	12/31/2017	263	0	0	0	0	263	0	0	0	0	0	0
	<b>Project Sub-total:</b>			30,963	0	0	0	0	30,963	0	0	0	0	0	0
<b>0</b>	<b><u>WAT906977</u></b>	<b><u>ISLAND W.T.P. R&amp;R</u></b>													
0	1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2018	1,482	0	0	0	0	1,482	0	0	0	0	0	0
0	12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011	12/31/2017	2,320	0	0	0	0	2,320	0	0	0	0	0	0
0	25 ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009	12/31/2017	5	0	0	0	0	5	0	0	0	0	0	0
0	32 TRAVELLING SCREEN REPLACEMENT	01/01/2015	12/31/2020	1,266	0	0	0	0	1,266	0	0	0	0	0	0
0	50 AMMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/2014	12/31/2019	2,738	0	0	0	0	2,738	0	0	0	0	0	0
0	51 CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	01/01/2014	12/31/2017	26	0	0	0	0	26	0	0	0	0	0	0
0	69 Generators` DR3 Program	01/01/2015	12/31/2018	695	0	0	0	0	695	0	0	0	0	0	0
0	70 PLANTWIDE HVAC UPGRADES	01/01/2015	12/31/2018	1,151	0	0	0	0	1,151	0	0	0	0	0	0
0	83 RAW WATER INTAKE CLEANING	01/01/2016	12/31/2017	1,090	0	0	0	0	1,090	0	0	0	0	0	0
0	89 FACILITY & PROCESS UPGRADES-2017 SC	01/01/2017	12/31/2017	-865	0	0	0	0	-865	0	0	0	0	0	0
0	90 FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	01/01/2017	12/31/2019	-1,370	0	0	0	0	-1,370	0	0	0	0	0	0
0	91 TRAVELLING SCREEN REPLACEMENT-2017 SC	01/01/2017	12/31/2020	370	0	0	0	0	370	0	0	0	0	0	0
0	92 Generators` DR3 Program-2017 SC	01/01/2017	12/31/2020	-695	0	0	0	0	-695	0	0	0	0	0	0
0	93 RAW WATER INTAKE CLEANING-2017 SC	01/01/2017	12/31/2018	-940	0	0	0	0	-940	0	0	0	0	0	0
0	96 ISLAND ENWAVE/RETROFIT PROJECT- 2017 SC	01/01/2017	12/31/2017	4	0	0	0	0	4	0	0	0	0	0	0

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Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	Financing												
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable			
<b>0</b>	<b><u>WAT906977 ISLAND W.T.P. R&amp;R</u></b>																
0	97 AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	01/01/2017	12/31/2020	-2,459	0	0	0	0	-2,459	0	0	0	0	0	0	0	0
0	98 CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017 S	01/01/2017	12/31/2018	4	0	0	0	0	4	0	0	0	0	0	0	0	0
0	99 PLANTWIDE HVAC UPGRADES- 2017 SC	01/01/2017	12/31/2020	-525	0	0	0	0	-525	0	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>4,297</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,297</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><u>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</u></b>																
0	1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/2013	12/31/2019	6,613	0	0	6,613	0	0	0	0	0	0	0	0	0	0
0	2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/2013	12/31/2017	4,592	0	0	4,592	0	0	0	0	0	0	0	0	0	0
0	9 LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017	01/01/2017	12/31/2020	-3,613	0	0	-3,613	0	0	0	0	0	0	0	0	0	0
0	10 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 201	01/01/2017	12/31/2019	-4,092	0	0	-4,092	0	0	0	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>3,500</b>	<b>0</b>	<b>0</b>	<b>3,500</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>0</b>
<b>0</b>	<b><u>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</u></b>																
0	1 REGENT PARK CAPITAL CONTRIBUTION - PHASE 2	01/01/2011	12/31/2022	596	0	0	596	0	0	0	0	0	0	0	0	0	0
0	13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 2017 S	01/01/2017	12/31/2022	-596	0	0	-596	0	0	0	0	0	0	0	0	0	0
0	14 REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	01/01/2017	12/31/2024	812	0	0	812	0	0	0	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>812</b>	<b>0</b>	<b>0</b>	<b>812</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>0</b>
<b>0</b>	<b><u>WAT907946 BUSINESS IT PROJECTS</u></b>																
0	7 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014	12/31/2021	2,409	0	0	0	0	2,409	0	0	0	0	0	0	0	0
0	16 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 2	01/01/2017	12/31/2023	-1,679	0	0	0	0	-1,679	0	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>730</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>730</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><u>WAT908087 TRUNK WATERMAIN</u></b>																
0	1 TRANSMISSION SYSTEM AUTOMATION	01/01/2015	12/31/2018	2,456	0	0	0	0	2,456	0	0	0	0	0	0	0	0
0	4 JOS - REVENUE METER REPLACEMENT	01/01/2016	12/31/2018	3,545	0	0	0	0	1,772	0	0	1,773	0	0	0	0	0
0	6 3RD PARTY RELOCATIONS (METROLINX)	01/01/2015	12/31/2021	350	0	0	0	0	350	0	0	0	0	0	0	0	0
0	10 TRANSMISSION SYSTEM AUTOMATION- 2017 SC	01/01/2017	12/31/2022	-2,204	0	0	0	0	-2,204	0	0	0	0	0	0	0	0
0	11 3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	01/01/2017	12/31/2017	-300	0	0	0	0	-300	0	0	0	0	0	0	0	0
0	12 JOS - REVENUE METER REPLACEMENT- 2017 SC	01/01/2017	12/31/2019	-1,045	0	0	0	0	-522	0	0	-523	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>2,802</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,552</b>	<b>0</b>	<b>0</b>	<b>1,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT908248 WT&amp;S PLANTWIDE</u></b>																
0	1 UV DISINFECTION - CONCEPTUAL DESIGN	01/01/2016	12/31/2017	500	0	0	0	0	500	0	0	0	0	0	0	0	0
0	4 ZEBRA MUSSEL CONTROL - ENG	01/01/2017	12/31/2022	650	0	0	0	0	650	0	0	0	0	0	0	0	0
0	6 STANDBY POWER - PHASE 2 - ENG	01/01/2016	12/31/2024	690	0	0	41	0	442	0	0	207	0	0	0	0	0
0	8 UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	01/01/2017	12/31/2017	-500	0	0	0	0	-500	0	0	0	0	0	0	0	0
0	9 STANDBY POWER - PHASE 2 - ENG- 2017 SC	01/01/2017	12/31/2026	-140	0	0	-8	0	-90	0	0	-42	0	0	0	0	0

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**  
**Appendix 5: 2017 Capital Projects with Financing Detail**  
**Water Program**  
**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2017 Cash Flow	Financing								
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
<b>0</b>	<b>WAT908248 WT&amp;S PLANTWIDE</b>												
0	10 UV DISINFECTION - ISLAND WTP - ENGINEERING	01/01/2017	12/31/2024	250	0	0	0	0	250	0	0	0	0
0	12 SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	01/01/2017	12/31/2021	200	0	0	12	0	128	0	0	60	0
	<b>Project Sub-total:</b>			1,650	0	0	45	0	1,380	0	0	225	0
<b>Program Total:</b>				392,232	0	0	25,211	0	349,987	0	0	17,034	0

**Status Code Description**  
 S2 S2 Prior Year (With 2017 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2017 and/or Future Year Cost\Cashflow)  
 S4 S4 New - Stand-Alone Project (Current Year Only)  
 S5 S5 New (On-going or Phased Projects)

**Category Code Description**  
 01 Health and Safety C01  
 02 Legislated C02  
 03 State of Good Repair C03  
 04 Service Improvement and Enhancement C04  
 05 Growth Related C05  
 06 Reserved Category 1 C06  
 07 Reserved Category 2 C07

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**  
**Appendix 5: 2017 Capital Projects with Financing Detail**  
**Wastewater Program**  
**Sub-Project Summary**

**Project/Financing**

**Priority Project Project Name**

Priority	Project	Project Name	Start Date	Completion Date	2017	Financing								
					Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
<b>0</b>	<b>WAS000007</b>	<b>ASHBRIDGES BAY WWTP REHAB</b>												
0	17	STANDBY POWER GENERATION	01/01/2005	12/31/2017	5	0	0	0	0	5	0	0	0	0
0	19	FERROUS UPGRADES	01/01/2013	12/31/2019	15,695	0	0	1,268	0	14,427	0	0	0	0
0	30	ELECTRICAL REHAB - ECAP	01/01/2005	12/31/2019	4,542	0	0	0	0	4,542	0	0	0	0
0	41	POLYMER UPGRADE	01/01/2014	12/31/2023	1,362	0	0	0	0	1,362	0	0	0	0
0	46	REHAB OF GROUNDS & BUILDINGS	01/01/2010	12/31/2017	10	0	0	0	0	10	0	0	0	0
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2005	12/31/2020	1,252	0	0	101	0	1,151	0	0	0	0
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERIN	01/01/2005	12/31/2017	193	0	0	15	0	178	0	0	0	0
0	189	PROCESS AND EQUIPMENT	01/01/2013	12/31/2019	1,796	0	0	0	0	1,796	0	0	0	0
0	190	GROUND AND FACILITIES	01/01/2013	12/31/2017	445	0	0	0	0	445	0	0	0	0
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014	12/31/2023	3,365	0	0	0	0	3,365	0	0	0	0
0	216	OPERATIONS CENTRE - ENGINEERING	01/01/2016	12/31/2017	400	0	0	0	0	400	0	0	0	0
0	226	ABTP - PROCESS ROADMAP PHASE 2	01/01/2015	12/31/2019	1,225	0	0	0	0	1,225	0	0	0	0
0	227	AIR HEADER REHAB	01/01/2015	12/31/2018	727	0	0	0	0	727	0	0	0	0
0	229	D BUILDING PHASE 2	01/01/2015	12/31/2024	502	0	0	0	0	502	0	0	0	0
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	01/01/2016	12/31/2018	590	0	0	0	0	590	0	0	0	0
0	248	SOILS MANAGEMENT PLAN	01/01/2016	12/31/2018	200	0	0	0	0	200	0	0	0	0
0	264	HVAC CONVERSION Z-BLDG	01/01/2016	12/31/2018	1,860	0	0	0	0	1,860	0	0	0	0
0	265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2	01/01/2017	12/31/2021	398	0	0	32	0	366	0	0	0	0
0	266	PROCESS AND EQUIPMENT-2017 SC	01/01/2017	12/31/2020	-563	0	0	0	0	-563	0	0	0	0
0	267	GROUND AND FACILITIES-2017 SC	01/01/2017	12/31/2020	-4	0	0	0	0	-4	0	0	0	0
0	269	NEW FLEET PURCHASES-2017 SC	01/01/2017	12/31/2017	80	0	0	0	0	80	0	0	0	0
0	270	SOILS MANAGEMENT PLAN-2017 SC	01/01/2017	12/31/2018	-200	0	0	0	0	-200	0	0	0	0
0	272	FERROUS UPGRADES - 2017 SC	01/01/2017	12/31/2019	-8,315	0	0	-674	0	-7,641	0	0	0	0
0	273	ELECTRICAL REHAB - ECAP- 2017 SC	01/01/2017	12/31/2019	-1,375	0	0	0	0	-1,375	0	0	0	0
0	275	PROCESS UPGRADES & ODOUR CONTROL ENG- 2017 SC	01/01/2017	12/31/2018	-93	0	0	-7	0	-86	0	0	0	0
0	276	POLYMER UPGRADE- 2017 SC	01/01/2017	12/31/2022	-12	0	0	0	0	-12	0	0	0	0
0	277	OPERATIONS CENTRE - ENGINEERING- 2017 SC	01/01/2017	12/31/2018	-100	0	0	0	0	-100	0	0	0	0
0	278	ABTP - PROCESS ROADMAP PHASE 2- 2017 SC	01/01/2017	12/31/2020	-975	0	0	0	0	-975	0	0	0	0
0	279	AIR HEADER REHAB- 2017 SC	01/01/2017	12/31/2018	450	0	0	0	0	450	0	0	0	0
0	280	D BUILDING PHASE 2- 2017 SC	01/01/2017	12/31/2023	322	0	0	0	0	322	0	0	0	0
0	281	HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	01/01/2017	12/31/2018	-90	0	0	0	0	-90	0	0	0	0
0	282	HVAC CONVERSION Z-BLDG- 2017 SC	01/01/2017	12/31/2019	-860	0	0	0	0	-860	0	0	0	0
0	285	BLOWER 7-9 OVERHAUL	01/01/2017	12/31/2018	800	0	0	0	0	800	0	0	0	0



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS000007</b>	<b>ASHBRIDGES BAY WWTP REHAB</b>													
0	286	STANDBY POWER GENERATION- 2017 SC	01/01/2017	12/31/2018	15	0	0	2	0	13	0	0	0	0	0
		<b>Project Sub-total:</b>			23,647	0	0	737	0	22,910	0	0	0	0	0
<b>0</b>	<b>WAS000115</b>	<b>HUMBER T.P.</b>													
0	9	CO-GENERATION	01/01/2005	12/31/2018	335	0	0	0	0	335	0	0	0	0	0
0	62	CO-GENERATION- 2017 SC	01/01/2017	12/31/2018	-135	0	0	0	0	-135	0	0	0	0	0
		<b>Project Sub-total:</b>			200	0	0	0	0	200	0	0	0	0	0
<b>0</b>	<b>WAS000259</b>	<b>TRUNK SEWER SYSTEM</b>													
0	15	TRUNK SEWER REHABILITATION - 2012	01/01/2012	12/31/2020	1,643	0	0	0	0	1,643	0	0	0	0	0
0	27	TRUNK SEWER REHABILITATION - 2014	01/01/2014	12/31/2020	38,206	0	0	0	0	38,206	0	0	0	0	0
0	34	BLACK CREEK STS EA	01/01/2008	12/31/2017	1,177	0	0	0	0	1,177	0	0	0	0	0
0	47	TRUNK SEWER REHABILITATION - 2016	01/01/2016	12/31/2021	3,590	0	0	0	0	3,590	0	0	0	0	0
0	49	TRUNK SEWER REHABILITATION - 2014-2017 SC	01/01/2017	12/31/2021	-14,767	0	0	0	0	-14,767	0	0	0	0	0
0	50	TRUNK SEWER REHABILITATION - 2016-2017 SC	01/01/2017	12/31/2021	260	0	0	0	0	260	0	0	0	0	0
0	52	TRUNK SEWER REHABILITATION - 2012- 2017 SC	01/01/2017	12/31/2021	430	0	0	0	0	430	0	0	0	0	0
0	53	TRUNK SEWER REHABILITATION - 2018	01/01/2017	12/31/2026	1,375	0	0	0	0	1,375	0	0	0	0	0
0	54	BLACK CREEK STS EA- 2017 SC	01/01/2017	12/31/2018	-422	0	0	0	0	-422	0	0	0	0	0
		<b>Project Sub-total:</b>			31,492	0	0	0	0	31,492	0	0	0	0	0
<b>0</b>	<b>WAS000442</b>	<b>BASEMENT FLOODING RELIEF</b>													
0	1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	01/01/2005	12/31/2018	5,500	0	0	0	0	5,500	0	0	0	0	0
0	8	BASEMENT FLOODING STUDIES & EAS	01/01/2006	12/31/2020	920	0	0	0	0	920	0	0	0	0	0
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2013	12/31/2024	5,050	0	0	0	0	5,050	0	0	0	0	0
0	12	ROAD RESTORATION FOR BSMT FLDG PRJS	01/01/2012	12/31/2017	515	0	0	0	0	515	0	0	0	0	0
0	14	BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008	12/31/2018	1,170	0	0	0	0	1,170	0	0	0	0	0
0	18	BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011	12/31/2018	4,108	0	0	0	0	4,108	0	0	0	0	0
0	19	BASEMENT FLOODING RELIEF - GROUP 2	01/01/2014	12/31/2021	60,405	0	0	0	0	60,405	0	0	0	0	0
0	20	BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014	12/31/2020	4,458	0	0	0	0	4,458	0	0	0	0	0
0	29	BASEMENT FLOODING RELIEF - GROUP 1	01/01/2010	12/31/2018	2,268	0	0	0	0	2,268	0	0	0	0	0
0	76	BASEMENT FLOODING FLOW MONITORING	01/01/2016	12/31/2021	1,614	0	0	0	0	1,614	0	0	0	0	0
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	01/01/2015	12/31/2025	11,794	0	0	0	0	11,794	0	0	0	0	0
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	01/01/2014	12/31/2018	10,755	0	0	0	0	10,755	0	0	0	0	0
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	01/01/2017	12/31/2025	10,788	0	0	0	0	10,788	0	0	0	0	0
0	102	BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	01/01/2017	12/31/2019	-569	0	0	0	0	-569	0	0	0	0	0
0	103	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2017	01/01/2017	12/31/2026	-4,500	0	0	0	0	-4,500	0	0	0	0	0

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5: 2017 Capital Projects with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS000442</b>	<b>BASEMENT FLOODING RELIEF</b>													
0	104	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	01/01/2017	12/31/2021	-42,348	0	0	0	0	-42,348	0	0	0	0	0
0	105	BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	01/01/2017	12/31/2020	-2,030	0	0	0	0	-2,030	0	0	0	0	0
0	106	BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	01/01/2017	12/31/2025	5,378	0	0	0	0	5,378	0	0	0	0	0
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTI	01/01/2017	12/31/2021	8,486	0	0	0	0	8,486	0	0	0	0	0
0	108	LIDAR PURCHASE	01/01/2017	12/31/2017	1,000	0	0	0	0	1,000	0	0	0	0	0
0	109	REAL ESTATE - IDC	01/01/2017	12/31/2018	63	0	0	0	0	63	0	0	0	0	0
0	111	BASEMENT FLOODING STUDIES & EAS- 2017 SC	01/01/2017	12/31/2021	215	0	0	0	0	215	0	0	0	0	0
0	112	BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	01/01/2017	12/31/2020	-2,810	0	0	0	0	-2,810	0	0	0	0	0
0	113	BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	01/01/2017	12/31/2019	-2,207	0	0	0	0	-2,207	0	0	0	0	0
0	114	ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	01/01/2017	12/31/2017	-515	0	0	0	0	-515	0	0	0	0	0
0	115	BASEMENT FLOODING STUDIES&EA' S-CW IMPLEMENT 2	01/01/2017	12/31/2023	-6,946	0	0	0	0	-6,946	0	0	0	0	0
0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC	01/01/2017	12/31/2021	-715	0	0	0	0	-715	0	0	0	0	0
		<b>Project Sub-total:</b>			71,847	0	0	0	0	71,847	0	0	0	0	0
<b>0</b>	<b>WAS000521</b>	<b>HIGHLAND CREEK WWTP - BUILDING SERV &amp; SITE DEV</b>													
0	3	HCTP BLDG REHAB & IMPROVEMENTS	01/01/2012	12/31/2019	1,326	0	0	0	0	1,326	0	0	0	0	0
0	9	HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	01/01/2017	12/31/2019	1,674	0	0	0	0	1,674	0	0	0	0	0
		<b>Project Sub-total:</b>			3,000	0	0	0	0	3,000	0	0	0	0	0
<b>0</b>	<b>WAS906322</b>	<b>W&amp;WW LABORATORIES</b>													
0	9	LAB EQUIPMENT	01/01/2008	12/31/2018	188	0	0	0	0	188	0	0	0	0	0
0	31	LAB EQUIPMENT- 2017 SC	01/01/2017	12/31/2021	57	0	0	0	0	57	0	0	0	0	0
		<b>Project Sub-total:</b>			245	0	0	0	0	245	0	0	0	0	0
<b>0</b>	<b>WAS906328</b>	<b>SWM END OF PIPE FACILITIES</b>													
0	11	Bonar Creek SWMF Construction	01/01/2014	12/31/2020	3,000	0	0	241	0	2,759	0	0	0	0	0
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	01/01/2012	12/31/2017	1,475	0	0	119	0	1,356	0	0	0	0	0
0	63	Bonar Creek SWMF Construction-2017 SC	01/01/2017	12/31/2022	-2,750	0	0	-221	0	-2,529	0	0	0	0	0
0	64	HUMBER BAY POND (ETOBICOKE)	01/01/2017	12/31/2019	100	0	0	8	0	92	0	0	0	0	0
0	65	NORTH TORONTO CSO CONSTR- 2017 SC	01/01/2017	12/31/2017	47	0	0	4	0	43	0	0	0	0	0
0	66	EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	01/01/2017	12/31/2019	-543	0	0	-44	0	-499	0	0	0	0	0
0	67	YR03 D1 END OF PIPE- 2017 SC	01/01/2017	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
		<b>Project Sub-total:</b>			1,330	0	0	107	0	1,223	0	0	0	0	0
<b>0</b>	<b>WAS906331</b>	<b>SWM SOURCE CONTROL PROG</b>													
0	9	DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005	12/31/2018	150	0	0	0	0	150	0	0	0	0	0
		<b>Project Sub-total:</b>			150	0	0	0	0	150	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS906380</u></b>	<b><u>HIGHLAND CREEK WWTP - ODOUR CONTROL</u></b>													
0	1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/2008	12/31/2021	524	0	0	42	0	482	0	0	0	0	0
0	2	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/2013	12/31/2019	15,000	0	0	1,207	0	13,793	0	0	0	0	0
0	20	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2017 SC	01/01/2017	12/31/2021	476	0	0	38	0	438	0	0	0	0	0
0	21	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR- 2017	01/01/2017	12/31/2020	-1,999	0	0	-161	0	-1,838	0	0	0	0	0
		<b>Project Sub-total:</b>			14,001	0	0	1,126	0	12,875	0	0	0	0	0
<b>0</b>	<b><u>WAS906486</u></b>	<b><u>ASHBRIDGES BAY T.P. - III YR2004</u></b>													
0	3	PCS-PLANT SRVS	01/01/2005	12/31/2017	30	0	0	2	0	28	0	0	0	0	0
0	48	PCS-PLANT SRVS- 2017 SC	01/01/2017	12/31/2018	10	0	0	1	0	9	0	0	0	0	0
		<b>Project Sub-total:</b>			40	0	0	3	0	37	0	0	0	0	0
<b>0</b>	<b><u>WAS906487</u></b>	<b><u>HIGHLAND CREEK T.P. - IV YR2004</u></b>													
0	22	PCS PLANT SERVICES	01/01/2017	12/31/2017	1	0	0	0	0	1	0	0	0	0	0
		<b>Project Sub-total:</b>			1	0	0	0	0	1	0	0	0	0	0
<b>0</b>	<b><u>WAS906488</u></b>	<b><u>HUMBER T.P. - II YR2004</u></b>													
0	2	PCS PLANT SERVICES	01/01/2005	12/31/2017	2	0	0	0	0	2	0	0	0	0	0
0	24	PCS PLANT SERVICES- 2017 SC	01/01/2017	12/31/2018	-1	0	0	0	0	-1	0	0	0	0	0
		<b>Project Sub-total:</b>			1	0	0	0	0	1	0	0	0	0	0
<b>0</b>	<b><u>WAS906492</u></b>	<b><u>WET WEATHER FLOW MP</u></b>													
0	1	SWM INA/EA	01/01/2005	12/31/2019	650	0	0	52	0	598	0	0	0	0	0
0	2	PUBLIC EDUCATION	01/01/2005	12/31/2017	550	0	0	44	0	506	0	0	0	0	0
0	14	WWFMP IMPLEMENTATION - DESIGN	01/01/2008	12/31/2018	1,570	0	0	127	0	1,443	0	0	0	0	0
0	58	SWM CONVEYANCE 2015	01/01/2015	12/31/2017	685	0	0	55	0	630	0	0	0	0	0
0	59	STORM WATER POND ASSESSMENT & CLEANING	01/01/2015	12/31/2020	3,975	0	0	0	0	3,975	0	0	0	0	0
0	60	ASHBRIDGES BAY LANDFORMS	01/01/2015	12/31/2023	5,045	0	0	0	0	5,045	0	0	0	0	0
0	76	SWM CONVEYANCE 2016	01/01/2016	12/31/2018	2,303	0	0	185	0	2,118	0	0	0	0	0
0	82	STORM WATER POND ASSESSMENT & CLEANING-2017 SC	01/01/2017	12/31/2022	-3,550	0	0	0	0	-3,550	0	0	0	0	0
0	83	ASHBRIDGES BAY LANDFORMS-2017 SC	01/01/2017	12/31/2023	-4,545	0	0	0	0	-4,545	0	0	0	0	0
0	84	SWM CONVEYANCE 2017	01/01/2017	12/31/2019	3,460	0	0	279	0	3,181	0	0	0	0	0
0	85	HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	01/01/2017	12/31/2017	200	0	0	16	0	184	0	0	0	0	0
0	86	GREEN STREETS	01/01/2017	12/31/2020	333	0	0	27	0	306	0	0	0	0	0
0	92	WWFMP IMPLEMENTATION - DESIGN - 2017 SC	01/01/2017	12/31/2020	-872	0	0	-71	0	-801	0	0	0	0	0
0	93	SWM INA/EA- 2017 SC	01/01/2017	12/31/2019	-282	0	0	-22	0	-260	0	0	0	0	0
0	94	PUBLIC EDUCATION- 2017 SC	01/01/2017	12/31/2018	60	0	0	5	0	55	0	0	0	0	0
0	95	SWM CONVEYANCE 2015- 2017 SC	01/01/2017	12/31/2018	-434	0	0	-35	0	-399	0	0	0	0	0



(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5: 2017 Capital Projects with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS906492</u></b>	<b><u>WET WEATHER FLOW MP</u></b>													
0	96	SWM CONVEYANCE 2016- 2017 SC	01/01/2017	12/31/2018	-2,303	0	0	-185	0	-2,118	0	0	0	0	0
0	97	WATERFRONT MODELLING STUDIES	01/01/2017	12/31/2022	25	0	0	2	0	23	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>6,870</b>	<b>0</b>	<b>0</b>	<b>479</b>	<b>0</b>	<b>6,391</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906495</u></b>	<b><u>SEWER ASSET PLANNING</u></b>													
0	5	SEWER ASSET PLANNING	01/01/2007	12/31/2020	5,016	0	0	403	0	4,613	0	0	0	0	0
0	7	SEWER SYSTEM INSPECTION	01/01/2010	12/31/2021	8,978	0	0	0	0	8,978	0	0	0	0	0
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014	12/31/2017	225	0	0	0	0	225	0	0	0	0	0
0	31	SEWER ASSET PLANNING-2017 SC	01/01/2017	12/31/2019	349	0	0	29	0	320	0	0	0	0	0
0	32	SEWER SYSTEM INSPECTION-2017 SC	01/01/2017	12/31/2021	293	0	0	0	0	293	0	0	0	0	0
0	33	PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	01/01/2017	12/31/2018	-75	0	0	0	0	-75	0	0	0	0	0
0	34	CORP IT - IDC	01/01/2017	12/31/2017	147	0	0	0	0	147	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>14,933</b>	<b>0</b>	<b>0</b>	<b>432</b>	<b>0</b>	<b>14,501</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906500</u></b>	<b><u>NEW SEWER CONSTRUCTION</u></b>													
0	5	NEW SEWERS	01/01/2008	12/31/2017	506	0	0	315	0	191	0	0	0	0	0
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	01/01/2015	12/31/2019	1,495	0	0	1,495	0	0	0	0	0	0	0
0	31	WATERFRONT SANITARY MASTER SERVICING PLAN-2017	01/01/2017	12/31/2025	500	0	0	250	0	250	0	0	0	0	0
0	33	NEW SEWERS- 2017 SC	01/01/2017	12/31/2018	-491	0	0	-306	0	-185	0	0	0	0	0
0	35	DOWNSVIEW LANDS EXTERNAL UPGRADES- 2017 SC	01/01/2017	12/31/2019	-45	0	0	-45	0	0	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>1,965</b>	<b>0</b>	<b>0</b>	<b>1,709</b>	<b>0</b>	<b>256</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906501</u></b>	<b><u>YARD &amp; BUILDING RENOVATION</u></b>													
0	11	YARDS & BUILDING RENOVATION	01/01/2016	12/31/2018	2	0	0	0	0	2	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906735</u></b>	<b><u>DIST SEWER REHAB OPS YR2005</u></b>													
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005	12/31/2017	6	0	0	0	0	6	0	0	0	0	0
0	18	GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2017	01/01/2017	12/31/2019	-3	0	0	0	0	-3	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906741</u></b>	<b><u>HIGHLAND CREEK TP YR2005</u></b>													
0	1	WAS THICKENING AND DEWATERING - ENG	01/01/2005	12/31/2018	40	0	0	3	0	37	0	0	0	0	0
0	19	WAS THICKENING AND DEWATERING - ENG- 2017 SC	01/01/2017	12/31/2018	-27	0	0	-2	0	-25	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>13</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906742</u></b>	<b><u>HUMBER TP YR2005</u></b>													
0	8	ODOUR CONTROL ENGINEERING	01/01/2008	12/31/2019	1,275	0	0	0	0	1,275	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS906742</u></b>	<b><u>HUMBER TP YR2005</u></b>													
0	56	ODOUR CONTROL ENGINEERING-2017 SC	01/01/2017	12/31/2021	-74	0	0	0	0	-74	0	0	0	0	0
		<b>Project Sub-total:</b>			1,201	0	0	0	0	1,201	0	0	0	0	0
<b>0</b>	<b><u>WAS906743</u></b>	<b><u>ASHRIDGES BAY TP YR2005</u></b>													
0	1	MISC MECH ENGINEERING	01/01/2005	12/31/2019	786	0	0	64	0	722	0	0	0	0	0
0	7	SERVICE AIR UPGRADES	01/01/2006	12/31/2019	2,885	0	0	0	0	2,885	0	0	0	0	0
0	59	MISC MECH ENGINEERING- 2017 SC	01/01/2017	12/31/2020	-386	0	0	-32	0	-354	0	0	0	0	0
0	60	SERVICE AIR UPGRADES- 2017 SC	01/01/2017	12/31/2019	-1,785	0	0	0	0	-1,785	0	0	0	0	0
		<b>Project Sub-total:</b>			1,500	0	0	32	0	1,468	0	0	0	0	0
<b>0</b>	<b><u>WAS906755</u></b>	<b><u>WESTERN BEACHES RETROFIT</u></b>													
0	1	WESTERN BEACHES RETROFIT	01/01/2005	12/31/2021	4,709	0	0	379	0	4,330	0	0	0	0	0
0	15	WESTERN BEACHES RETROFIT- 2017 SC	01/01/2017	12/31/2022	-3,489	0	0	-280	0	-3,209	0	0	0	0	0
		<b>Project Sub-total:</b>			1,220	0	0	99	0	1,121	0	0	0	0	0
<b>0</b>	<b><u>WAS906926</u></b>	<b><u>OPERATIONAL SUPPORT</u></b>													
0	6	FACILITY RENOVATION	01/01/2006	12/31/2018	1,450	0	0	0	0	1,450	0	0	0	0	0
0	7	RENOVATION - MERTON STREET	01/01/2012	12/31/2017	5	0	0	0	0	5	0	0	0	0	0
0	23	EMP MONITORING NEEDS	01/01/2010	12/31/2017	95	0	0	0	0	95	0	0	0	0	0
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	01/01/2013	12/31/2021	4,119	0	0	0	0	4,119	0	0	0	0	0
0	98	DESIGNATED SUBSTANCE ABATEMENT	01/01/2007	12/31/2018	100	0	0	0	0	100	0	0	0	0	0
0	100	DIVISIONAL SECURITY	01/01/2016	12/31/2017	1,025	0	0	0	0	1,025	0	0	0	0	0
0	105	BACKUP POWER - FINCH AND DEE	01/01/2017	12/31/2017	500	0	0	0	0	500	0	0	0	0	0
0	107	OFFICE MODERNIZATION - MH18	01/01/2017	12/31/2018	625	0	0	0	0	625	0	0	0	0	0
0	109	FACILITY RENOVATION- 2017 SC	01/01/2017	12/31/2019	-700	0	0	0	0	-700	0	0	0	0	0
0	111	DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	01/01/2017	12/31/2018	-100	0	0	0	0	-100	0	0	0	0	0
0	112	EMP MONITORING NEEDS- 2017 SC	01/01/2017	12/31/2018	-45	0	0	0	0	-45	0	0	0	0	0
0	113	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 S	01/01/2017	12/31/2021	91	0	0	0	0	91	0	0	0	0	0
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	01/01/2017	12/31/2021	250	0	0	0	0	250	0	0	0	0	0
		<b>Project Sub-total:</b>			7,415	0	0	0	0	7,415	0	0	0	0	0
<b>0</b>	<b><u>WAS906958</u></b>	<b><u>SEWER SYSTEM REHABILITATION</u></b>													
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	01/01/2005	12/31/2017	10	0	0	1	0	9	0	0	0	0	0
0	5	CCTV INSPECTION	01/01/2007	12/31/2017	59	0	0	0	0	59	0	0	0	0	0
0	8	SPS SCADA UPGRADES - ENGINEERING	01/01/2008	12/31/2017	561	0	0	45	0	516	0	0	0	0	0
0	9	SEWER REHABILITATION	01/01/2008	12/31/2018	9,700	0	0	0	0	9,700	0	0	0	0	0
0	23	SEWAGE PUMPING STATION STANDBY POWER	01/01/2009	12/31/2017	163	0	0	13	0	150	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>		<b><u>WAS906958</u></b>		<b><u>SEWER SYSTEM REHABILITATION</u></b>											
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	01/01/2013	12/31/2021	7,708	0	0	621	0	7,087	0	0	0	0	0
0	79	SEWER REHABILITATION - CWD	01/01/2016	12/31/2018	34,274	0	0	2,341	0	31,933	0	0	0	0	0
0	81	CCTV INSPECTION-2017 SC	01/01/2017	12/31/2018	1,141	0	0	0	0	1,141	0	0	0	0	0
0	82	SEWER REHABILITATION-2017 SC	01/01/2017	12/31/2020	14,453	0	0	0	0	14,453	0	0	0	0	0
0	83	SEWER REHABILITATION - CWD-2017 SC	01/01/2017	12/31/2023	4,258	0	0	-2,341	0	6,599	0	0	0	0	0
0	86	SEWAGE PUMPING STATION STANDBY POWER - 2017 SC	01/01/2017	12/31/2018	-144	0	0	-11	0	-133	0	0	0	0	0
0	88	SPS SCADA UPGRADES - ENGINEERING- 2017 SC	01/01/2017	12/31/2018	-173	0	0	-14	0	-159	0	0	0	0	0
0	89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017	01/01/2017	12/31/2021	-4,308	0	0	-347	0	-3,961	0	0	0	0	0
<b>Project Sub-total:</b>					<b>67,702</b>	<b>0</b>	<b>0</b>	<b>308</b>	<b>0</b>	<b>67,394</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906960</u></b>		<b><u>STREAM RESTORATION &amp; EROSION CONTROL</u></b>											
0	1	HIGHLAND CREEK STREAM RESTORATION	01/01/2006	12/31/2017	42	0	0	3	0	39	0	0	0	0	0
0	7	STREAM RESTORATION	01/01/2008	12/31/2021	7,871	0	0	633	0	7,238	0	0	0	0	0
0	39	STREAM RESTORATION - PHASE 2	01/01/2016	12/31/2025	2,850	0	0	229	0	2,621	0	0	0	0	0
0	41	WATERCOURSE - ENGINEERING	01/01/2017	12/31/2026	100	0	0	8	0	92	0	0	0	0	0
0	43	PARTNER PROJECTS	01/01/2017	12/31/2021	1,000	0	0	81	0	919	0	0	0	0	0
0	48	STREAM RESTORATION - 2017 SC	01/01/2017	12/31/2021	-5,065	0	0	-407	0	-4,658	0	0	0	0	0
0	49	STREAM RESTORATION - PHASE 2 - 2017 SC	01/01/2017	12/31/2025	-2,850	0	0	-229	0	-2,621	0	0	0	0	0
0	50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	01/01/2017	12/31/2017	3	0	0	1	0	2	0	0	0	0	0
0	51	STUDIES, EAs, MASTER PLANS	01/01/2017	12/31/2022	910	0	0	73	0	837	0	0	0	0	0
0	52	CRITICAL REPAIRS	01/01/2017	12/31/2024	825	0	0	66	0	759	0	0	0	0	0
0	53	EMERGENCY EROSION CONTROL	01/01/2017	12/31/2022	300	0	0	24	0	276	0	0	0	0	0
<b>Project Sub-total:</b>					<b>5,986</b>	<b>0</b>	<b>0</b>	<b>482</b>	<b>0</b>	<b>5,504</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906966</u></b>		<b><u>SWM TRCA FUNDING</u></b>											
0	23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	01/01/2017	12/31/2017	4,275	0	0	344	0	3,931	0	0	0	0	0
<b>Project Sub-total:</b>					<b>4,275</b>	<b>0</b>	<b>0</b>	<b>344</b>	<b>0</b>	<b>3,931</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906968</u></b>		<b><u>ENGINEERING</u></b>											
0	2	CONSULTING FEES	01/01/2006	12/31/2021	13,978	0	0	0	0	13,978	0	0	0	0	0
0	59	ROAD RESTORATION	01/01/2006	12/31/2017	1,838	0	0	0	0	1,838	0	0	0	0	0
0	64	CONSULTING FEES	01/01/2017	12/31/2026	-2,100	0	0	0	0	-2,100	0	0	0	0	0
0	65	ECS SALARIES	01/01/2017	12/31/2017	13,936	0	0	0	0	13,936	0	0	0	0	0
0	66	ROAD RESTORATION- 2017 SC	01/01/2017	12/31/2018	-1,038	0	0	0	0	-1,038	0	0	0	0	0
<b>Project Sub-total:</b>					<b>26,614</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,614</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906973</u></b>		<b><u>SEWER REPLACEMENT PROGRAM</u></b>											



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS906973</b>	<b>SEWER REPLACEMENT PROGRAM</b>													
0	24	FORCEMAIN REPLACEMENT	01/01/2012	12/31/2017	10	0	0	0	0	10	0	0	0	0	0
0	25	2012 SEWER REPLC	01/01/2012	12/31/2017	415	0	0	0	0	415	0	0	0	0	0
0	35	2013 SEWER REPLC	01/01/2013	12/31/2017	1	0	0	0	0	1	0	0	0	0	0
0	36	SEWER REPLC - 2014 PROGRAM	01/01/2014	12/31/2017	631	0	0	2	0	629	0	0	0	0	0
0	46	EBF REPORT	01/01/2013	12/31/2017	41	0	0	27	0	14	0	0	0	0	0
0	52	SEWER REPLACEMENT - METROLINX	01/01/2014	12/31/2019	1,951	0	0	0	0	1,951	0	0	0	0	0
0	55	SEWER REPLACEMENT - LESLIE ST 2017 SC	01/01/2016	12/31/2017	147	0	0	12	0	135	0	0	0	0	0
0	62	SEWER REPLC - 2015 PROGRAM	01/01/2015	12/31/2018	1,511	0	0	122	0	1,389	0	0	0	0	0
0	71	SEWER REPLC - 2016 PROGRAM	01/01/2016	12/31/2018	10,222	0	0	823	0	9,399	0	0	0	0	0
0	75	FORCEMAIN REPLACEMENT - 2016	01/01/2016	12/31/2021	3,475	0	0	0	0	3,475	0	0	0	0	0
0	78	SEWER REPLC - 2017 PROGRAM	01/01/2017	12/31/2019	4,898	0	0	394	0	4,504	0	0	0	0	0
0	81	SEWER REPLC - 2014 PROGRAM - 2017 SC	01/01/2017	12/31/2018	-607	0	0	0	0	-607	0	0	0	0	0
0	82	SEWER REPLACEMENT - METROLINX - 2017 SC	01/01/2017	12/31/2021	-1,759	0	0	0	0	-1,759	0	0	0	0	0
0	83	FORCEMAIN REPLACEMENT- 2017 SC	01/01/2017	12/31/2018	-5	0	0	0	0	-5	0	0	0	0	0
0	84	2012 SEWER REPLC- 2017 SC	01/01/2017	12/31/2018	-393	0	0	0	0	-393	0	0	0	0	0
0	85	EBF REPORT- 2017 SC	01/01/2017	12/31/2017	959	0	0	627	0	332	0	0	0	0	0
0	86	EBF REPORT- 2017 SC	01/01/2017	12/31/2017	4,442	0	0	2,905	0	1,537	0	0	0	0	0
0	87	SEWER REPLC - 2015 PROGRAM- 2017 SC	01/01/2017	12/31/2018	314	0	0	25	0	289	0	0	0	0	0
0	88	SEWER REPLC - 2016 PROGRAM- 2017 SC	01/01/2017	12/31/2018	-4,021	0	0	-324	0	-3,697	0	0	0	0	0
0	89	FORCEMAIN REPLACEMENT - 2016- 2017 SC	01/01/2017	12/31/2021	-3,100	0	0	0	0	-3,100	0	0	0	0	0
<b>Project Sub-total:</b>					<b>19,132</b>	<b>0</b>	<b>0</b>	<b>4,613</b>	<b>0</b>	<b>14,519</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS906980</b>	<b>ASHBRIDGES BAY T.P. YR2006</b>													
0	9	DEWATERING EQUIPMENT UPGRADES	01/01/2006	12/31/2017	1,248	0	0	100	0	1,148	0	0	0	0	0
0	42	DEWATERING EQUIPMENT UPGRADES- 2017 SC	01/01/2017	12/31/2017	-1,248	0	0	-100	0	-1,148	0	0	0	0	0
<b>Project Sub-total:</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>0</b>	<b>0</b>
<b>0</b>	<b>WAS906981</b>	<b>HIGHLAND CREEK WWTP UPGRADES</b>													
0	1	PROCESS & FACILITY UPGRADE	01/01/2006	12/31/2022	2,970	0	0	0	0	2,970	0	0	0	0	0
0	3	BIOSOLIDS TREATMENT UPGRADES	01/01/2006	12/31/2020	10,075	0	0	816	0	9,259	0	0	0	0	0
0	5	TRANSFORMERS AND SWITCHGEAR	01/01/2006	12/31/2018	510	0	0	41	0	469	0	0	0	0	0
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2006	12/31/2017	671	0	0	0	0	671	0	0	0	0	0
0	8	DIGESTER GAS SYSTEM UPGRADES	01/01/2011	12/31/2019	9,238	0	0	0	0	9,238	0	0	0	0	0
0	23	ELECTRICAL UPGRADES - ECAR	01/01/2012	12/31/2020	1,117	0	0	0	0	1,117	0	0	0	0	0
0	31	ELEC SYSTEM UPGRADES - CONSTR	01/01/2009	12/31/2017	390	0	0	0	0	390	0	0	0	0	0
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2009	12/31/2018	998	0	0	0	0	998	0	0	0	0	0



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	Financing										
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
<b>0</b>	<b><u>WAS906981</u></b>	<b><u>HIGHLAND CREEK WWTP UPGRADES</u></b>													
0	80 DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	01/01/2014	12/31/2020	250	0	0	0	0	250	0	0	0	0	0	0
0	90 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/2015	12/31/2017	245	0	0	0	0	245	0	0	0	0	0	0
0	91 PROCESS, EQUIPMENT, FACILITY UPGRADES	01/01/2015	12/31/2017	1,240	0	0	0	0	1,240	0	0	0	0	0	0
0	92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/2015	12/31/2019	5,851	0	0	0	0	5,851	0	0	0	0	0	0
0	101 AERATION SYSTEM AND ASSOCIATED BUILDING UPGRAD	01/01/2016	12/31/2021	10,090	0	0	0	0	10,090	0	0	0	0	0	0
0	102 LIQUID TRAIN - ENGINEERING	01/01/2015	12/31/2025	8,100	0	0	0	0	8,100	0	0	0	0	0	0
0	123 COMMUNICATION SYSTEM	01/01/2016	12/31/2021	400	0	0	0	0	400	0	0	0	0	0	0
0	124 BIOSOLIDS TREATMENT UPGRADES -2017 SC	01/01/2017	12/31/2020	-4,575	0	0	-371	0	-4,204	0	0	0	0	0	0
0	125 TRANSFORMERS AND SWITCHGEAR-2017 SC	01/01/2017	12/31/2020	-500	0	0	-40	0	-460	0	0	0	0	0	0
0	126 ELEC SYSTEM UPGRADES - CONSTR-2017 SC	01/01/2017	12/31/2017	-350	0	0	0	0	-350	0	0	0	0	0	0
0	127 CEPA COMPLIANCE - CL NOTICE - HCTP-2017 SC	01/01/2017	12/31/2022	-498	0	0	0	0	-498	0	0	0	0	0	0
0	128 DIGESTER GAS SYSTEM UPGRADES-2017 SC	01/01/2017	12/31/2020	-4,138	0	0	0	0	-4,138	0	0	0	0	0	0
0	129 LIQUID TRAIN - ENGINEERING-2017 SC	01/01/2017	12/31/2026	-6,000	0	0	0	0	-6,000	0	0	0	0	0	0
0	130 LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	01/01/2017	12/31/2021	-5,001	0	0	0	0	-5,001	0	0	0	0	0	0
0	131 AERATION SYSTEM&ASSOCIATED BLDG UPGRADES -201	01/01/2017	12/31/2021	-8,090	0	0	0	0	-8,090	0	0	0	0	0	0
0	132 PROCESS & FACILITY UPGRADE- 2017 SC	01/01/2017	12/31/2021	-1,912	0	0	0	0	-1,912	0	0	0	0	0	0
0	133 MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	01/01/2017	12/31/2018	-357	0	0	0	0	-357	0	0	0	0	0	0
0	134 ELECTRICAL UPGRADES - ECAR- 2017 SC	01/01/2017	12/31/2020	-634	0	0	0	0	-634	0	0	0	0	0	0
0	136 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017	01/01/2017	12/31/2019	-195	0	0	0	0	-195	0	0	0	0	0	0
0	137 PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	01/01/2017	12/31/2017	-1,240	0	0	0	0	-1,240	0	0	0	0	0	0
0	138 COMMUNICATION SYSTEM- 2017 SC	01/01/2017	12/31/2022	-300	0	0	0	0	-300	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>18,355</b>	<b>0</b>	<b>0</b>	<b>446</b>	<b>0</b>	<b>17,909</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS906982</u></b>	<b><u>HUMBER WWTP UPGRADES</u></b>													
0	2 CHLORINE FACILITY UPGRADE	01/01/2006	12/31/2017	451	0	0	0	0	451	0	0	0	0	0	0
0	5 FLOOD PROTECTION	01/01/2016	12/31/2017	180	0	0	0	0	180	0	0	0	0	0	0
0	6 NEW SUBSTATION	01/01/2006	12/31/2018	42	0	0	0	0	42	0	0	0	0	0	0
0	7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDATI	01/01/2006	12/31/2021	2,885	0	0	0	0	2,885	0	0	0	0	0	0
0	29 ADMIN BUILDING EXPANSION - ENGINEERING	01/01/2010	12/31/2021	670	0	0	0	0	670	0	0	0	0	0	0
0	52 HVAC UPGRADES	01/01/2013	12/31/2019	7,390	0	0	0	0	7,390	0	0	0	0	0	0
0	81 BLOWER REPLACEMENT	01/01/2016	12/31/2024	475	0	0	0	0	475	0	0	0	0	0	0
0	95 REPLACEMENT OF WASTE GAS BURNERS	01/01/2016	12/31/2017	1,509	0	0	0	0	1,509	0	0	0	0	0	0
0	99 WET WEATHER FLOW	01/01/2016	12/31/2019	2,315	0	0	0	0	2,315	0	0	0	0	0	0
0	101 FLOOD PROTECTION-2017 SC	01/01/2017	12/31/2017	20	0	0	0	0	20	0	0	0	0	0	0
0	102 HVAC UPGRADES-2017 SC	01/01/2017	12/31/2021	-2,598	0	0	0	0	-2,598	0	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS906982</u></b>	<b><u>HUMBER WWTP UPGRADES</u></b>													
0	103	BLOWER REPLACEMENT-2017 SC	01/01/2017	12/31/2018	-225	0	0	0	0	-225	0	0	0	0	0
0	104	REPLACEMENT OF WASTE GAS BURNERS-2017 SC	01/01/2017	12/31/2022	-1,159	0	0	0	0	-1,159	0	0	0	0	0
0	105	WET WEATHER FLOW-2017 SC	01/01/2017	12/31/2020	-1,715	0	0	0	0	-1,715	0	0	0	0	0
0	107	MESI UPGRADES	01/01/2017	12/31/2021	500	0	0	0	0	500	0	0	0	0	0
0	108	BUILDING UPGRADES ENGINEERING- 2017 SC	01/01/2017	12/31/2018	30	0	0	0	0	30	0	0	0	0	0
0	109	CHLORINE FACILITY UPGRADE- 2017 SC	01/01/2017	12/31/2018	-390	0	0	0	0	-390	0	0	0	0	0
0	110	ELECTRICAL CONDITION ASSESSMENT RECOM- 2017 SC	01/01/2017	12/31/2019	-1,232	0	0	0	0	-1,232	0	0	0	0	0
0	111	NEW SUBSTATION- 2017 SC	01/01/2017	12/31/2017	-4	0	0	0	0	-4	0	0	0	0	0
0	112	NEW GROUNDSKEEPING BUILDING- 2017 SC	01/01/2017	12/31/2017	17	0	0	0	0	17	0	0	0	0	0
0	113	ADMIN BUILDING EXPANSION - ENGINEERING- 2017 SC	01/01/2017	12/31/2022	-387	0	0	0	0	-387	0	0	0	0	0
0	114	FIELD OFFICE- 2017 SC	01/01/2017	12/31/2017	322	0	0	0	0	322	0	0	0	0	0
0	116	SERVICE REHAB AND UPGRADES	01/01/2017	12/31/2022	500	0	0	0	0	500	0	0	0	0	0
		<b>Project Sub-total:</b>			9,596	0	0	0	0	9,596	0	0	0	0	0
<b>0</b>	<b><u>WAS906994</u></b>	<b><u>HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HANDLING</u></b>													
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2012	12/31/2023	3,029	0	0	244	0	2,785	0	0	0	0	0
0	3	WAS THICKENING - CONSTR	01/01/2010	12/31/2017	102	0	0	8	0	94	0	0	0	0	0
0	17	WAS THICKENING - CONSTR-2017 SC	01/01/2017	12/31/2018	-52	0	0	-4	0	-48	0	0	0	0	0
0	18	HCTP BMP IMPLEMENTATION-2017 SC	01/01/2017	12/31/2026	-2,929	0	0	-236	0	-2,693	0	0	0	0	0
		<b>Project Sub-total:</b>			150	0	0	12	0	138	0	0	0	0	0
<b>0</b>	<b><u>WAS907038</u></b>	<b><u>Land Acquisition for Source Water Protect</u></b>													
0	14	TRCA - SCARBOROUGH WATERFRONT TRAIL EA	01/01/2016	12/31/2017	85	0	0	7	0	78	0	0	0	0	0
0	25	TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/2016	12/31/2018	1,385	0	0	47	0	1,338	0	0	0	0	0
0	27	TRCA - CRITICAL EROSION SITES-2017 SC	01/01/2017	12/31/2017	8,000	0	0	644	0	7,356	0	0	0	0	0
0	28	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2017 S	01/01/2017	12/31/2019	-385	0	0	33	0	-418	0	0	0	0	0
		<b>Project Sub-total:</b>			9,085	0	0	731	0	8,354	0	0	0	0	0
<b>0</b>	<b><u>WAS907097</u></b>	<b><u>ASHBRIDGES BAY WWTP - BUILDING SERVICES &amp; SITE DE</u></b>													
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM	01/01/2007	12/31/2017	100	0	0	0	0	100	0	0	0	0	0
0	19	BIO GAS UTILIZATION	01/01/2009	12/31/2021	1,035	0	0	0	0	1,035	0	0	0	0	0
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMEN	01/01/2010	12/31/2021	850	0	0	0	0	850	0	0	0	0	0
0	62	BIO GAS UTILIZATION-2017 SC	01/01/2017	12/31/2023	-835	0	0	0	0	-835	0	0	0	0	0
0	63	BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 S	01/01/2017	12/31/2023	-400	0	0	0	0	-400	0	0	0	0	0
0	64	GROVE LANDSCAPING - PHASE 1	01/01/2017	12/31/2018	790	0	0	0	0	790	0	0	0	0	0
		<b>Project Sub-total:</b>			1,540	0	0	0	0	1,540	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS907098</b>	<b>ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM</b>													
0		1 DISINFECTION ENGINEERING	01/01/2009	12/31/2021	4,184	0	0	337	0	3,847	0	0	0	0	0
0		13 OUTFALL ASSESSMENT	01/01/2012	12/31/2017	940	0	0	94	0	846	0	0	0	0	0
0		14 OUTFALL ENGINEERING	01/01/2015	12/31/2024	8,710	0	0	701	0	8,009	0	0	0	0	0
0		15 DISINFECTION SYSTEM CONSTRUCTION	01/01/2017	12/31/2020	100	0	0	8	0	92	0	0	0	0	0
0		28 DISINFECTION ENGINEERING-2017 SC	01/01/2017	12/31/2022	-3,174	0	0	-256	0	-2,918	0	0	0	0	0
0		29 OUTFALL ASSESSMENT - 2017 SC	01/01/2017	12/31/2017	-940	0	0	-94	0	-846	0	0	0	0	0
0		30 OUTFALL ENGINEERING- 2017 SC	01/01/2017	12/31/2026	-4,810	0	0	-387	0	-4,423	0	0	0	0	0
0		31 OUTFALL - SITE PREP	01/01/2017	12/31/2018	50	0	0	4	0	46	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>5,060</b>	<b>0</b>	<b>0</b>	<b>407</b>	<b>0</b>	<b>4,653</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907099</b>	<b>ASHBRIDGES BAY WWTP - LIQUID TREATMENT &amp; HANDLIN</b>													
0		1 FINE BUBBLE AERATION - TANK #2	01/01/2009	12/31/2017	510	0	0	42	0	468	0	0	0	0	0
0		3 P BLDG HEADWORKS UPGRADE	01/01/2010	12/31/2018	40,035	0	0	3,222	0	36,813	0	0	0	0	0
0		6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014	12/31/2017	5,399	0	0	0	0	5,399	0	0	0	0	0
0		10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011	12/31/2024	6,740	0	0	0	0	6,740	0	0	0	0	0
0		12 WORK AREA 1 REHAB	01/01/2008	12/31/2017	3	0	0	0	0	3	0	0	0	0	0
0		71 INTEGRATED PUMPING STATION (IPS) - ENG-2017 SC	01/01/2017	12/31/2026	-1,310	0	0	0	0	-1,310	0	0	0	0	0
0		72 P BLDG HEADWORKS UPGRADE-2017 SC	01/01/2017	12/31/2019	-25,010	0	0	-2,013	0	-22,997	0	0	0	0	0
0		73 INTEGRATED PUMPING STATION (IPS) - CONST-2017 SC	01/01/2017	12/31/2026	250	0	0	0	0	250	0	0	0	0	0
0		74 FINE BUBBLE AERATION - TANK #2 - 2017 SC	01/01/2017	12/31/2018	-500	0	0	-41	0	-459	0	0	0	0	0
0		75 WORK AREA 1 REHAB- 2017 SC	01/01/2017	12/31/2018	-3	0	0	0	0	-3	0	0	0	0	0
0		76 M & T PUMPING STATION CRITICAL REPAIRS- 2017 SC	01/01/2017	12/31/2018	-2,221	0	0	0	0	-2,221	0	0	0	0	0
0		77 FINE BUBBLE AERATION - ENGINEERING	01/01/2017	12/31/2025	50	0	0	4	0	46	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>23,943</b>	<b>0</b>	<b>0</b>	<b>1,214</b>	<b>0</b>	<b>22,729</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907100</b>	<b>ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HANDLING</b>													
0		3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2014	12/31/2023	3,500	0	0	282	0	3,218	0	0	0	0	0
0		4 DIGESTERS 9-12 REFURBISH	01/01/2011	12/31/2023	10,820	0	0	870	0	9,950	0	0	0	0	0
0		8 BIOSOLIDS PELLETIZER RETROFIT	01/01/2013	12/31/2017	400	0	0	0	0	400	0	0	0	0	0
0		22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	01/01/2017	12/31/2023	1,000	0	0	80	0	920	0	0	0	0	0
0		25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/2014	12/31/2019	967	0	0	0	0	967	0	0	0	0	0
0		46 DIGESTERS 9-12 REFURBISH - 2017 SC	01/01/2017	12/31/2021	-6,470	0	0	-520	0	-5,950	0	0	0	0	0
0		47 WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	01/01/2017	12/31/2024	-1,843	0	0	-149	0	-1,694	0	0	0	0	0
0		48 PELLETIZER TRUCK LOADING FACILITY UPGRADES-2017	01/01/2017	12/31/2019	-480	0	0	0	0	-480	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>7,894</b>	<b>0</b>	<b>0</b>	<b>563</b>	<b>0</b>	<b>7,331</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5: 2017 Capital Projects with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing				2017	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS907101</b>	<b>ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</b>													
0		5 BOILER #4 DESIGN	01/01/2010	12/31/2018	47	0	0	0	0	47	0	0	0	0	0
0		6 MESI UPGRADES	01/01/2012	12/31/2019	3,448	0	0	0	0	3,448	0	0	0	0	0
0		7 MISC MECH REHAB	01/01/2010	12/31/2018	8,120	0	0	0	0	8,120	0	0	0	0	0
0		32 MISC MECH REHAB- 2017 SC	01/01/2017	12/31/2018	-3,120	0	0	0	0	-3,120	0	0	0	0	0
0		33 BOILER #4 DESIGN- 2017 SC	01/01/2017	12/31/2019	63	0	0	0	0	63	0	0	0	0	0
0		34 MESI UPGRADES- 2017 SC	01/01/2017	12/31/2017	-463	0	0	0	0	-463	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>8,095</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,095</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907102</b>	<b>ASHBRIDGES BAY WWTP - ODOUR CONTROL</b>													
0		6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/2012	12/31/2018	10,098	0	0	813	0	9,285	0	0	0	0	0
0		13 D BUILDING TREATMENT & BIOFILTER	01/01/2009	12/31/2017	992	0	0	80	0	912	0	0	0	0	0
0		38 D BUILDING TREATMENT & BIOFILTER- 2017 SC	01/01/2017	12/31/2018	-98	0	0	-8	0	-90	0	0	0	0	0
0		39 BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	01/01/2017	12/31/2019	-3,598	0	0	-290	0	-3,308	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>7,394</b>	<b>0</b>	<b>0</b>	<b>595</b>	<b>0</b>	<b>6,799</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907104</b>	<b>HUMBER WWTP - LIQUID TREATMENT &amp; HANDLING</b>													
0		2 SECONDARY TREATMENT UPGRADES - SOUTH - ENGINE	01/01/2009	12/31/2023	3,811	0	0	307	0	3,504	0	0	0	0	0
0		19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/2015	12/31/2021	45,000	0	0	3,623	0	41,377	0	0	0	0	0
0		24 SECONDARY TREATMENT UPGRADES - SOUTH-CONS-20	01/01/2017	12/31/2022	-11,500	0	0	-925	0	-10,575	0	0	0	0	0
0		25 SECONDARY TREATMENT UPGRADES - SOUTH - ENG	2010/01/2017	12/31/2025	1,069	0	0	85	0	984	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>38,380</b>	<b>0</b>	<b>0</b>	<b>3,090</b>	<b>0</b>	<b>35,290</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907105</b>	<b>HUMBER WWTP - O&amp;M UPGRADES</b>													
0		1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008	12/31/2017	3,723	0	0	0	0	3,723	0	0	0	0	0
0		2 LIQUID STREAM UPGRADES	01/01/2010	12/31/2017	316	0	0	25	0	291	0	0	0	0	0
0		31 GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	01/01/2017	12/31/2019	219	0	0	0	0	219	0	0	0	0	0
0		32 LIQUID STREAM UPGRADES- 2017 SC	01/01/2017	12/31/2017	-316	0	0	-25	0	-291	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>3,942</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,942</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907106</b>	<b>HUMBER WWTP - ODOUR CONTROL</b>													
0		1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/2013	12/31/2017	8,632	0	0	694	0	7,938	0	0	0	0	0
0		13 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	01/01/2017	12/31/2018	-2,377	0	0	-191	0	-2,186	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>6,255</b>	<b>0</b>	<b>0</b>	<b>503</b>	<b>0</b>	<b>5,752</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907224</b>	<b>SEWAGE PUMPING STATION UPGRADES</b>													
0		1 SPS UPGRADES	01/01/2011	12/31/2017	2,593	0	0	209	0	2,384	0	0	0	0	0
0		18 SPS UPGRADES - GROUP 6	01/01/2016	12/31/2024	621	0	0	50	0	571	0	0	0	0	0
0		29 SPS UPGRADES-2017 SC	01/01/2017	12/31/2019	-203	0	0	-17	0	-186	0	0	0	0	0



(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5: 2017 Capital Projects with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2017 Cash Flow	Financing									
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>		<b><u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u></b>												
0	30 SUNNYSIDE SPS REHAB- 2017 SC	01/01/2017	12/31/2017	688	0	0	55	0	633	0	0	0	0	0
0	31 SPS UPGRADES - GROUP 6- 2017 SC	01/01/2017	12/31/2023	-321	0	0	-26	0	-295	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>3,378</b>	<b>0</b>	<b>0</b>	<b>271</b>	<b>0</b>	<b>3,107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS907559 DON &amp; WATERFRONT TRUNK CSO</u></b>												
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2013	12/31/2024	7,933	0	0	638	0	7,295	0	0	0	0	0
0	16 Don&Waterfront Trunk/CSO Design 2017 SC	01/01/2017	12/31/2024	-3,733	0	0	-300	0	-3,433	0	0	0	0	0
0	17 DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	01/01/2017	12/31/2023	200	0	0	16	0	184	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>4,400</b>	<b>0</b>	<b>0</b>	<b>354</b>	<b>0</b>	<b>4,046</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS907700 NORTH TORONTO WTP UPGRADES</u></b>												
0	2 NTTP - ELECTRICAL UPGRADES - ECAR	01/01/2012	12/31/2019	1,207	0	0	0	0	1,207	0	0	0	0	0
0	10 OPS INTERFACE NTTP	01/01/2017	12/31/2018	200	0	0	0	0	200	0	0	0	0	0
0	11 NTTP - PROCESS IMPROVEMENTS	01/01/2017	12/31/2021	420	0	0	0	0	420	0	0	0	0	0
0	12 NTTP - ELECTRICAL UPGRADES - ECAR- 2017 SC	01/01/2017	12/31/2020	-886	0	0	0	0	-886	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>941</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>941</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS908143 Georgetown South City Infrastructure Upgrades</u></b>												
0	1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRAD	01/01/2015	12/31/2019	6,189	0	0	0	0	6,189	0	0	0	0	0
0	7 GEORGETOWN SOUTH CITY INFRASTRUCTURE - 2017 SC	01/01/2017	12/31/2017	-509	0	0	0	0	-509	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>5,680</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,680</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WASWP003 EMERY CREEK POND</u></b>												
0	1 EMERY CREEK POND	01/01/2005	12/31/2018	5,793	0	0	466	0	5,327	0	0	0	0	0
0	15 EMERY CREEK POND- 2017 SC	01/01/2017	12/31/2020	-820	0	0	-66	0	-754	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>4,973</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>0</b>	<b>4,573</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</u></b>												
0	78 EQUIPMENT REPLACEMENT	01/01/2012	12/31/2019	5,580	0	0	0	0	5,580	0	0	0	0	0
0	117 REHAB OF SOUTH PRIMARY CLARIFIERS	01/01/2005	12/31/2017	124	0	0	0	0	124	0	0	0	0	0
0	132 EQUIPMENT REPLACEMENT-2017 SC	01/01/2017	12/31/2020	-2,514	0	0	0	0	-2,514	0	0	0	0	0
0	133 REHAB OF SOUTH PRIMARY CLARIFIERS- 2017 SC	01/01/2017	12/31/2017	-124	0	0	0	0	-124	0	0	0	0	0
		<b>Project Sub-total:</b>		<b>3,066</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,066</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Program Total:</b>				<b>466,912</b>	<b>0</b>	<b>0</b>	<b>19,058</b>	<b>0</b>	<b>447,854</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Status Code	Description
S3	S3 Prior Year - Change of Scope 2017 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

Category Code	Description
01	Health and Safety C01
02	Legislated C02
03	State of Good Repair C03
04	Service Improvement and Enhancement C04
05	Growth Related C05
06	Reserved Category 1 C06
07	Reserved Category 2 C07

## Appendix 6

### Reserve / Reserve Fund Review

Table 11: Reserve / Reserve Fund – Program Specific

(\$000s)

Table 1		Projected Balance as at Dec. 31, 2016*	Contributions / (Withdrawals)										2017 - 2026 Total Contributions / (Withdrawals)
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	
Water DC Reserve Fund  XR2111 DC - Water (2009)	Beginning Balance	\$90,687	\$99,350	\$103,218	\$99,272	\$95,415	\$90,531	\$87,993	\$84,931	\$72,348	\$50,545	\$31,830	
	HORGAN W.T.P. EXPANSION		(\$24)	(\$24)				(\$13)					(\$61)
	WATER STORAGE EXPANSION		(\$22)	(\$15)									(\$37)
	WATER EFFICIENCY PROGRAM		(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$5,200)
	AVENUE ROAD TRUNKMAIN REPLACEMENT		(\$162)	(\$252)									(\$414)
	HORGAN TRUNK MAIN EXPANSION			(\$323)	(\$266)	(\$627)	(\$4,030)	(\$4,023)	(\$721)	(\$236)	(\$8)		(\$10,234)
	ISLAND W.T.P. R&R		(\$669)	(\$72)	(\$243)	(\$851)	(\$851)	(\$365)					(\$3,051)
	DISTRICT WATERMANS - NEW		(\$15)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$4,515)
	PW ENGINEERING		(\$762)	(\$1,103)	(\$823)	(\$757)	(\$683)	(\$644)	(\$594)	(\$369)	(\$244)	(\$119)	(\$6,098)
	DOWNTOWN W/M ENHANCEMENT		(\$3)	(\$2)									(\$5)
	TRUNK WATERMAIN EXPANSION		(\$1,150)	(\$5,994)	(\$5,929)	(\$3,921)	(\$5)						(\$16,999)
	WATER SUSTAINABILITY PROGRAM		(\$526)	(\$578)	(\$626)	(\$109)	(\$1)	(\$1)					(\$1,841)
	RL CLARK W.T.P. R&R		(\$619)	(\$749)	(\$640)	(\$270)	(\$4)	(\$2)					(\$2,284)
	DIST W/M REPLACEMENT		(\$16,382)	(\$17,653)	(\$18,976)	(\$21,322)	(\$20,097)	(\$20,159)	(\$20,221)	(\$20,221)	(\$20,532)	(\$20,532)	(\$196,095)
	ISLAND W.T.P. R&R			(\$3)									(\$3)
	D2/D4 TRUNK WATERMAIN UPGRADES					(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)		(\$27,415)
	BAYVIEW TRUNK WATERMAIN - PH2				(\$249)	(\$311)	(\$249)	(\$467)	(\$6,813)	(\$19,194)	(\$18,945)	(\$18,945)	(\$65,173)
	REGENT PARK CAPITAL CONTRIBUTION		(\$812)	(\$1,909)	(\$864)	(\$1,398)	(\$812)	(\$33)	(\$73)	(\$40)			(\$5,941)
	WT&S PLANTWIDE		(\$45)	(\$252)	(\$574)	(\$681)	(\$1,292)	(\$600)	(\$731)	(\$306)	(\$660)	(\$672)	(\$5,813)
	<b>Total Withdrawals (-)</b>		<b>(\$15,698)</b>	<b>(\$21,711)</b>	<b>(\$29,949)</b>	<b>(\$30,210)</b>	<b>(\$31,411)</b>	<b>(\$29,333)</b>	<b>(\$30,021)</b>	<b>(\$40,081)</b>	<b>(\$49,851)</b>	<b>(\$47,324)</b>	<b>(\$41,288)</b>
<b>Total Contributions</b>		<b>\$24,361</b>	<b>\$25,579</b>	<b>\$26,003</b>	<b>\$26,353</b>	<b>\$26,527</b>	<b>\$26,795</b>	<b>\$26,959</b>	<b>\$27,498</b>	<b>\$28,048</b>	<b>\$28,609</b>	<b>\$29,182</b>	<b>\$271,553</b>
<b>Total Reserve Fund Balance at Year-End</b>		<b>\$99,350</b>	<b>\$103,218</b>	<b>\$99,272</b>	<b>\$95,415</b>	<b>\$90,531</b>	<b>\$87,993</b>	<b>\$84,931</b>	<b>\$72,348</b>	<b>\$50,545</b>	<b>\$31,830</b>	<b>\$19,724</b>	

\* Based on the 2016 Q2 Variance Report

