

Toronto 2018 BUDGET



CAPITAL BUDGET NOTES



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Toronto Water

2018 – 2027 CAPITAL BUDGET AND PLAN OVERVIEW

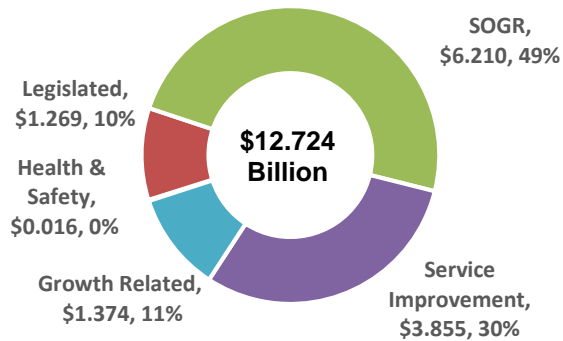
Toronto Water is responsible for: water treatment and supply; wastewater collection and treatment; and stormwater management across the City. It services 3.6 million residents and businesses in Toronto and portions of York and Peel Region.

Toronto Water has stewardship of an inventory of capital assets valued at \$28.561 billion. Toronto Water maintains two categories of capital assets: linear infrastructure, such as distribution (5,551 km) and transmission (550 km) watermains, 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 (4) plants, water (18), wastewater (67), combined (8) and stormwater (12) pumping stations, as well as a variety of reservoirs, storage and detention tanks.

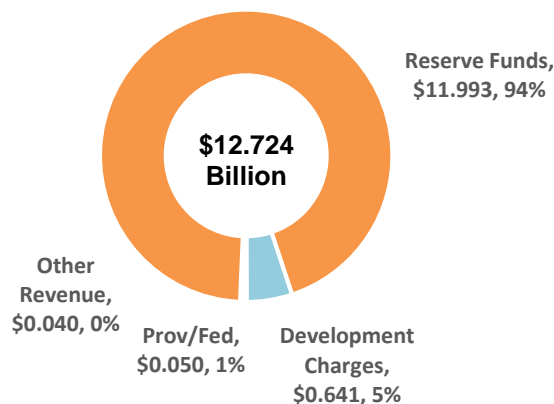
The Program's 10-Year Capital Plan is \$12.724 billion with \$7.496 billion or 59% allocated to Health and Safety, Legislated and State of Good Repair (SOGR) projects, which remain a priority for Toronto Water given the significant backlog in infrastructure renewal. Funding of \$5.228 billion is also included in the 2018-2027 Capital Budget and Plan for investments in Service Improvement and Growth Related projects, including Basement Flooding Protection and Wet Weather Flow Master Plan projects.

Capital Spending and Financing

2018-2027 Recommended Capital Budget and Plan By Project Category



By Funding Source



Where the money goes:

The 2018–2027 Recommended Capital Budget and Plan totalling \$12.724 billion provides funding for:

- Health and Safety, Legislated and State of Good Repair (SOGR) projects which are the focus of the 10-Year Capital Plan totaling \$7.496 billion or 59% of program funding and are 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 totaling \$3.855 billion or 30% of funding, and include: the Basement Flooding Protection Program to reduce the risk of future flooding from extreme storm events (\$1.542 billion); and Wet Weather Flow Master Plan to improve water quality and city's environments (\$1.277 billion).
- Growth related projects totaling \$1.374 billion or 11% of the total funding will provide the necessary servicing capacity for projected population growth. The largest projects are the Trunk Sewer and Pumping Station projects (\$0.304 billion) and New Service Connections (\$0.388 billion).

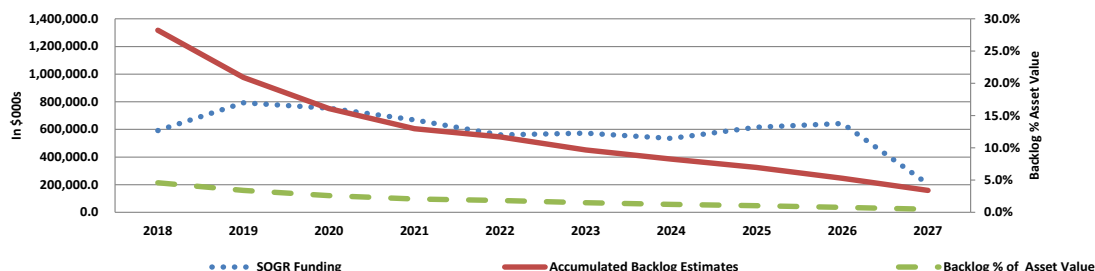
Where the money comes from:

The Recommended 10-Year Capital Plan will be funded by:

- Toronto Water's Capital Financing Reserves totaling \$11.993 billion and accounting for approximately 94% of program capital financing sources.
- Development charges for growth related projects, capital cost sharing with York Region, and Provincial/Federal grants totaling \$0.732 billion or 6% of the total capital financing.

State of Good Repair Backlog

The 10-Year Recommended Capital Plan includes cash flow funding of \$6.210 billion for State of Good Repair to address the backlog in capital repairs. The SOGR backlog of \$1.482 billion or 5.2% of asset replacement value in 2017 (projected) will be effectively eliminated by the end of 2027.



Our Key Issues & Priority Actions

- **Aging Infrastructure** – Toronto Water's infrastructure is aging (some of the City's pipes are 100 years old) and it has an accumulated state of good repair backlog estimated at \$1.482 billion in particular for linear infrastructure, which may result in service interruption.
 - ✓ The 10-Year Capital Plan funding of \$6.210 billion for SOGR will effectively eliminate backlog by 2027.
- **Stormwater Management and Resiliency** – Significant investment is required to manage basement flooding and other stormwater issues across the City. Funding for stormwater management represents approximately 25% of the 10-Year Capital Plan's expenditures.
 - ✓ The 10-Year Capital Plan includes an added \$138.179 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 \$644.020 million for the design and construction of a new effluent disinfection system and outfall at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.
- **Long-term Financial Sustainability & Planning for Growth** – The 10-Year Capital Plan relies primarily on successive water rate increases of 5% in year 2018 and 3% thereafter.
 - ✓ The City of Toronto is experiencing significant growth. Development charges are insufficient to fund the growth related share for projects that are eligible for development charge funding, resulting in approximately \$200.0 million in additional draws from Toronto Water's capital reserves to accommodate development growth over the next 10 years.

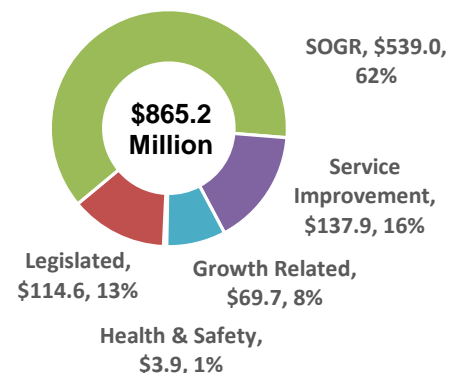


2018 Capital Budget Highlights

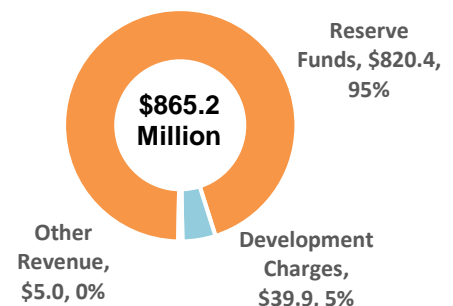
The 2018 Recommended Capital Budget for Toronto Water of \$865.221 million, excluding carry forward funding, will:

- Deliver continued state of good repair projects to address infrastructure renewal such as Watermain Replacement and Rehabilitation (\$134.684 million), Sewer System Replacement and Rehabilitation (\$83.550 million) and Trunk Sewer and Pumping Station projects (\$46.339 million)
- Implement Basement Flooding Protection projects (\$43.078 million), Wet Weather Flow Master Plan (\$42.043 million), and Erosion Control projects (\$2.827 million)
- Continue to provide funding for the TRCA erosion control projects including critical erosion sites (\$13.832 million).

2018 Recommended Capital Budget By Project Category



By Funding Source



Actions for Consideration

Approval of the 2018 Recommended Capital Budget as presented in these notes requires that:

1. City Council approve the 2018 Recommended Capital Budget for Toronto Water with a total project cost of \$1.842 billion, and 2018 cash flow of \$ 964.089 million and future year commitments of \$ 5.157 billion comprised of the following:
 - a) New Cash Flow Funds for:
 - i. 335 new / change in scope sub-projects with a 2018 total project cost of \$1.842 billion that requires cash flow reduction of \$146.796 million in 2018 and future year cash flow commitments of \$433.544 million for 2019; \$434.355 million for 2020; \$370.877 million for 2021; \$259.002 million for 2022; \$182.901 million for 2023; \$88.646 million for 2024; \$40.737 million for 2025; \$107.083 million for 2026; and \$71.985 million for 2027;
 - ii. 286 previously approved sub-projects with a 2018 cash flow of \$1.012 billion; and future year cash flow commitments of \$811.796 million for 2019; \$616.290 million for 2020; \$442.761 million for 2021; \$357.754 million for 2022; \$320.691 million for 2023; \$280.639 million for 2024; \$244.423 million for 2025; and \$93.968 million for 2026;
 - b) 2017 approved cash flow for 183 previously approved sub-projects with carry forward funding from 2017 into 2018 totalling \$98.868 million.
2. City Council approve the 2019 - 2027 Recommended Capital Plan for Toronto Water totalling \$6.702 billion in project estimates, comprised of \$202.994 million for 2019; \$411.500 million for 2020; \$558.996 million for 2021; \$618.112 million for 2022; \$795.058 million for 2023; \$874.430 million for 2024; \$992.793 million for 2025; \$1.072 billion for 2026 and \$1.176 billion in 2027.
3. City Council consider the operating costs of \$1.496 million net in 2018; \$0.984 million net in 2019; \$1.494 million net in 2020; \$0.848 million net in 2021; \$2.203 million net in 2022; \$0.050 million net in 2023; and \$1.0 million net in 2025, resulting from the approval of the 2018 Recommended Capital Budget for inclusion in the 2018 and future year operating budgets.
4. City Council approve 3 new temporary capital positions for the delivery of 2018 capital projects and that the duration for each temporary position not exceed the life and funding of its respective projects / sub-projects.
5. All sub-projects with third party financing be approved conditionally, subject to the receipt of such financing in 2018 and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.
6. This report be considered concurrently with the 2018 Water and Wastewater Consumption Rates and Service Fees Report from the Acting Chief Financial Officer and the General Manager for Toronto Water.



Part 1: 10-Year Recommended Capital Plan

Table 1a
10-Year Capital Plan
2018 Recommended Capital Budget and 2019 - 2022 Recommended Capital Plan

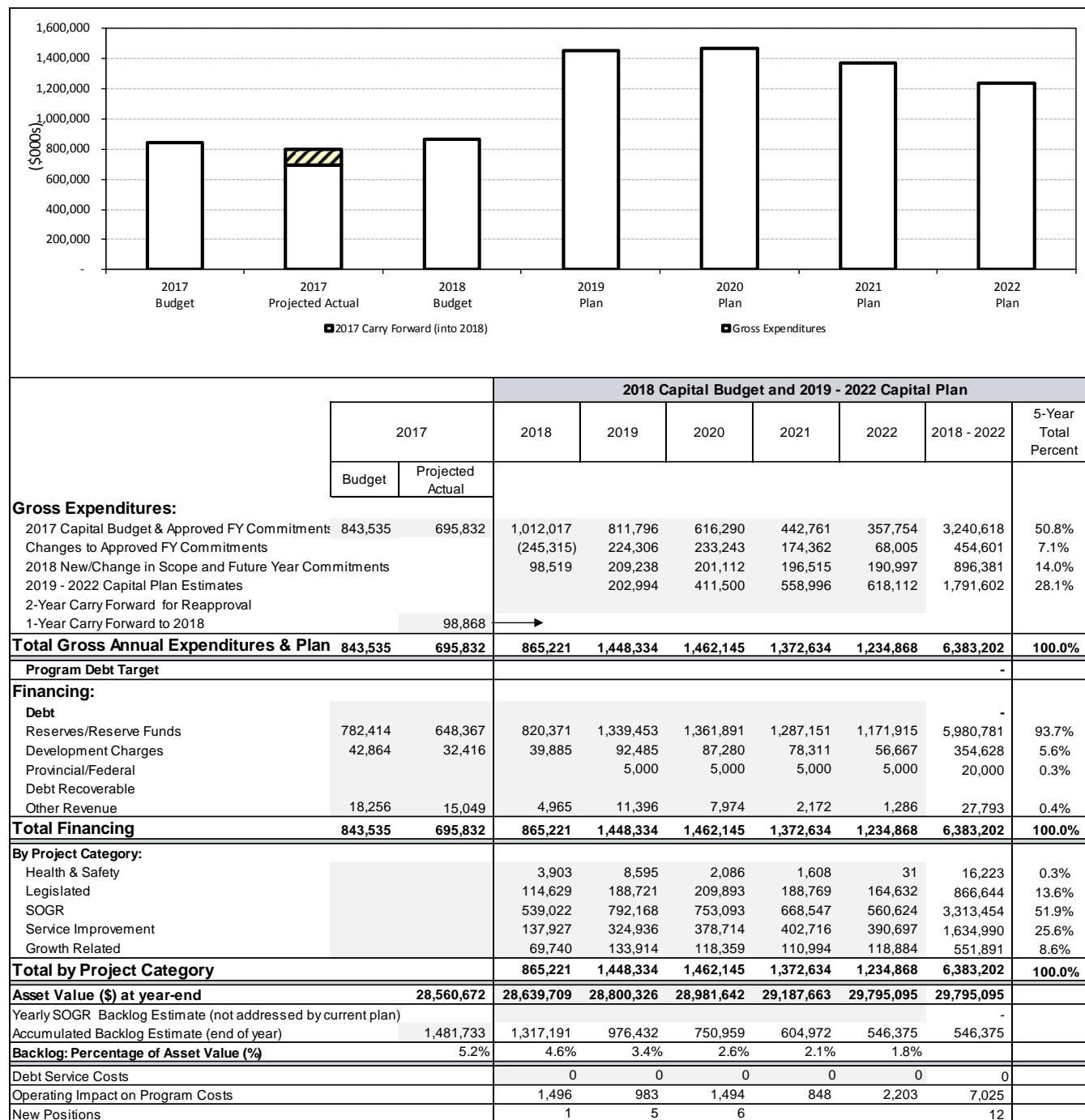


Table 1b
10-Year Capital Plan
2023 - 2027 Recommended Capital Plan

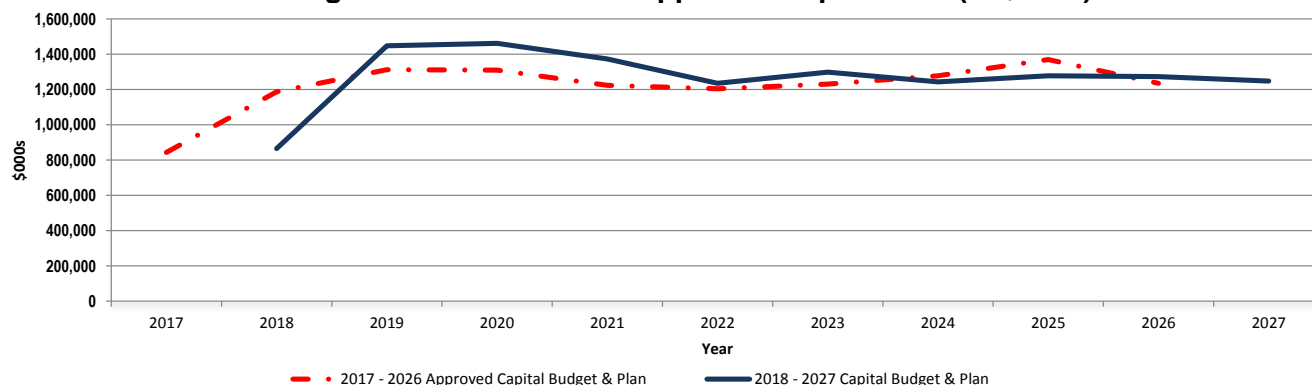
<p align="center">■ Gross Expenditures</p>							
	2023 - 2027 Capital Plan						
	2023	2024	2025	2026	2027	2018 - 2027	10-Year Total Percent
Gross Expenditures:							
2017 Capital Budget & Approved FY Commitments	320,691	280,639	244,423	93,968		4,180,339	32.9%
Changes to Approved FY Commitments	7,566	(30,524)	(843)	99,918	63,325	594,043	4.7%
2018 New/Change in Scope and Future Year Commitments	175,335	119,170	41,580	7,165	8,660	1,248,291	9.8%
2023 - 2027 Capital Plan Estimates	795,058	874,430	992,793	1,071,979	1,175,694	6,701,556	52.7%
2-Year Carry Forward for Reapproval						-	
Total Gross Annual Expenditures & Plan	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,724,229	100.0%
Program Debt Target						-	
Financing:							
Debt						-	
Reserves/Reserve Funds	1,234,876	1,180,578	1,208,038	1,205,956	1,182,631	11,992,860	94.3%
Development Charges	56,787	55,301	59,867	57,762	56,801	641,146	5.0%
Provincial/Federal	6,000	6,000	6,000	6,000	6,000	50,000	0.4%
Debt Recoverable							
Other Revenue	987	1,836	4,048	3,312	2,247	40,223	0.3%
Total Financing	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,724,229	100.0%
By Project Category:							
Health & Safety						16,223	0.1%
Legislated	105,148	86,471	93,646	59,540	58,050	1,269,499	10.0%
SOGR	572,947	535,139	615,388	643,475	529,669	6,210,072	48.8%
Service Improvement	423,039	423,585	415,564	430,210	527,390	3,854,778	30.3%
Growth Related	197,516	198,520	153,355	139,805	132,570	1,373,657	10.8%
Total by Project Category	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,724,229	100.0%
Asset Value(\$) at year-end	30,048,744	30,998,468	31,557,410	32,230,064	33,083,310	33,083,310	
Yearly SOGR Backlog Estimate (not addressed by current plan)						-	
Accumulated Backlog Estimate (end of year)	451,510	384,857	324,917	246,432	158,502	158,502	
Backlog: Percentage of Asset Value (%)	1.5%	1.2%	1.0%	0.8%	0.5%	0.5%	
Debt Service Costs	0	0	0	0	0	0	
Operating Impact on Program Costs	50		1,000			8,075	
New Positions						12	

Key Changes to the 2017 - 2026 Approved Capital Plan

The 2018 Recommended Capital Budget and the 2019 – 2027 Recommended Capital Plan reflects an increase of \$530.104 million in capital funding from the 2017 - 2026 Approved Capital Plan.

The chart and table below provide a breakdown of the \$530.104 million or 4.3% increase in the Capital Program on an annual basis from 2017 to 2027.

Chart 1
Changes to the 2016 - 2026 Approved Capital Plan (In \$000s)



(\$000s)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Total
2017 - 2026 Approved Capital Budget & Plan	843,535	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		12,194,125
2018 - 2027 Capital Budget & Plan		865,221	1,448,334	1,462,145	1,372,634	1,234,868	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,724,229
Change %		-27.1%	10.4%	11.6%	12.2%	2.6%	5.5%	-2.7%	-6.7%	3.0%		4.3%
Change \$		-321,933	136,452	151,871	148,834	31,019	67,865	-33,861	-91,830	37,543		530,104

The \$530.104 million increase in the Capital Program reflects an increase of \$404.144 million in various capital projects in the outer years of the 10-Year Capital Plan. The remaining \$125.960 million represents an increase in capital funding over the nine common years of the Capital Plans (2018-2026) as reflected in Table 2 on the following page. This 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 its modified renewal strategy for linear projects, directing efforts towards rehabilitation rather than replacement of linear infrastructure.
- The 10-Year Capital Program was aligned with available funding as calculated by the Water and Wastewater Rate Model 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 projects requiring large capital funding, as well as new condition assessments.
- The 2018 Recommended Capital Budget was aligned with historical spending rates and ability to deliver future year projects.

A summary of project changes for the years 2018 to 2026 totalling \$125.960 million are provided in Table 2:

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

\$000s	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 - 2026 Total
2017 - 2026 Capital Budget & Plan	843,535	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		11,350,590
2018 - 2027 Capital Budget & Plan		865,221	1,448,334	1,462,145	1,372,634	1,234,868	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	11,476,550
Capital Budget & Plan Changes (2018 - 2026)		(321,933)	136,452	151,871	148,834	31,019	67,865	(33,861)	(91,830)	37,543		125,960

	Total Project Cost	2018	2019	2020	2021	2022	2023	2024	2025	2026	2018 - 2026	2027	Revised Total Project Cost
Previously Approved													
Water Treatment & Supply													
FJ Horgan TP		(1,658)	1,052	2,735	1,040	(5)					3,164	200	3,364
Island TP		(2,242)	5,012	6,117	4,832	2,650	1,925	175			18,469	375	18,844
RL Clark TP		(2,330)	705	(174)							(1,799)	200	(1,599)
RC Harris TP		(12,394)	10,170	5,660	1,534	600		150			5,720	12,550	18,270
WM Replacement		(57,888)	51,134	10,150	18,377	553	(2)				22,324	114,000	136,324
Trunk Water Mains		(12,317)	12,868	3,645	(14,545)	(11,900)	(11,900)	(32,970)	(25,725)	(12,490)	(105,334)	37,825	(67,509)
WT - Storage & Treatment		(15,628)	6,084	29,903	15,946	(4,111)	(6,039)	(26,520)	(12,920)	(2,415)	(15,700)	16,830	1,130
Water Meter Program (AMR)		(150)	(500)	(346)							(996)		(996)
Business & Technology		(15,838)	(3,037)	(812)	6,232	4,650	2,985	1,800			(4,020)	1,814	(2,206)
WM Rehabilitation		12,822	1,559	(1,593)	739	2,060	3,902	3,263	2,890	2,790	28,432	73,800	102,232
Water Service Replacement		(7,473)	7,524	(2,949)	(2,749)	(2,750)	(2,750)	(2,750)	(2,750)	(2,750)	(19,397)	41,250	21,853
Pumping Stations		(10,020)	(1,503)	10,768	(1,876)	3,425	6,735	7,040	13,465	9,135	37,169	9,800	46,969
Water Efficiency Plan		(150)	(75)	(75)	(75)	(75)					(450)	520	70
Subtotal		(125,267)	90,993	63,029	29,455	(4,903)	(5,144)	(49,812)	(25,040)	(5,730)	(32,419)	309,164	276,745
Wastewater Collection & Treatment & Stormwater Management													
Ashbridges Bay TP		(46,284)	(20,445)	28,346	37,613	36,946	76,672	55,329	9,312	38,819	216,308	117,064	333,372
Highland Creek TP		(15,518)	15,654	22,419	16,500	(13,075)	(47,945)	(18,240)	33,605	34,410	27,810	47,512	75,322
Humber TP		(38,514)	1,555	(4,260)	14,675	1,547	23,739	8,200	4,106	4,710	15,758	45,359	61,117
Sewer Rehabilitation		5,964	11,641	15,730	3,398	1,857	2,014	2,764	4,414	3,164	50,946	65,950	116,896
Sewer Replacement		(5,917)	18,827	4,768	2,620	830					21,128	15,000	36,128
Trunk Sewers & Pumping Stations		(10,979)	20,520	25,567	35,921	24,413	21,753	(15,215)	(26,733)	(17,666)	57,581	58,105	115,686
Basement Flooding		(54,375)	(7,865)	406	(7,135)	(27,784)	(22,270)	(19,109)	(11,349)	2,953	(146,528)	211,263	64,735
WTP-Plantwide		(4,549)	(2,976)	(3,848)	(10)	24,023	18,912	3,552	(45,365)	(23,780)	(34,041)	3,375	(30,666)
WWF-Implementation Projects		(8,262)	(1,797)	(7,964)	391	(26,229)	(10,060)	4,510	(33,120)	13,240	(69,291)	207,470	138,179
WWF-TRCA		450	450								900	16,473	17,373
WWF - Stream Restoration		(5,592)	(1,517)	(5,039)	(4,259)	4,534	(5,211)	(12,774)	(7,414)	1,041	(36,231)	14,292	(21,939)
Yards & Facility		555	8,084	6,258	2,100	146				(20,900)	(3,757)	10,540	6,783
Subtotal		(183,021)	42,131	82,383	101,814	27,208	57,604	9,017	(72,544)	35,991	100,583	812,403	912,986
Linear Eng		(6,428)	4,547	2,009	9,065	4,414	13,405	1,934	754	2,282	31,982	77,612	109,594
New Connections		(375)	1,323	2,000	2,000	2,000	2,000	5,000	5,000	5,000	23,948	41,000	64,948
New Sewers		(6,842)	(2,542)	2,450	6,500	2,300					1,866	7,500	9,366
Total Previously Approved	-	(321,933)	136,452	151,871	148,834	31,019	67,865	(33,861)	(91,830)	37,543	125,960	1,247,679	1,373,639
New													
Total New													
Total Changes		(321,933)	136,452	151,871	148,834	31,019	67,865	(33,861)	(91,830)	37,543	125,960	1,247,679	1,373,639

Significant Capital Project Changes in Toronto Water:

Cash flow funding for the following previously approved capital projects have been adjusted based on historical spend rates, thereby accommodated capacity to spend, reflecting the expected progress and completion of the projects, and updated costs, as outlined below.

Increases in Previous Approved Project Costs:

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

- *The Watermain Replacement project* has increased funding of \$22.324 million or 2.1%, from \$1.046 billion to reflect increases in unit rates for linear infrastructure replacement.
- The allocation for *the Island Water Treatment Plant* project has increased by \$18.469 million or 27.9% from \$66.126 million in capital funding during the nine common years of the 2017 – 2026 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.
- Funding for *New Service Connection* projects has been increased by \$23.948 million or 7.4% from \$323.2 million to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments.
- *The Ashbridges Bay Wastewater Treatment Plant* project costs have increased by \$216.308 million or 12.1% from \$1.789 billion to reflect updated cost estimates based on progression of pre-design or detailed design for

the following projects: Disinfection System construction, Integrated Pumping Station construction and Waste Activated Sludge construction.

- Increased funding of \$57.581 or 10.6% from \$544.232 million has been allocated to *the Trunk Sewers and Pumping Station projects*.
- Additional funding of \$50.946 million or 9.2% from \$554.430 is required for *the Sewer System Rehabilitation projects* to reflect expanded use of trenchless rehabilitation for infrastructure renewal.
- *The Watermain Rehabilitation project* has been allocated additional funding of \$28.432 million or 4.5%, from \$638.778 million to reflect expanded use of trenchless rehabilitation for infrastructure renewal.
- *The Highland Creek Wastewater Treatment Plant* project costs have increased by \$27.810 million or 5.7% from \$489.916 million.
- Increased funding totalling \$85.705 has been allocated to a number of other projects including *Transmission Pumping Stations, New Sewers, Sewer Replacement, RC Harris and FJ Horgan Water Treatment Plant projects and Linear Infrastructure Engineering projects*.

Deferral/ Reductions in Previously Approved Capital Projects:

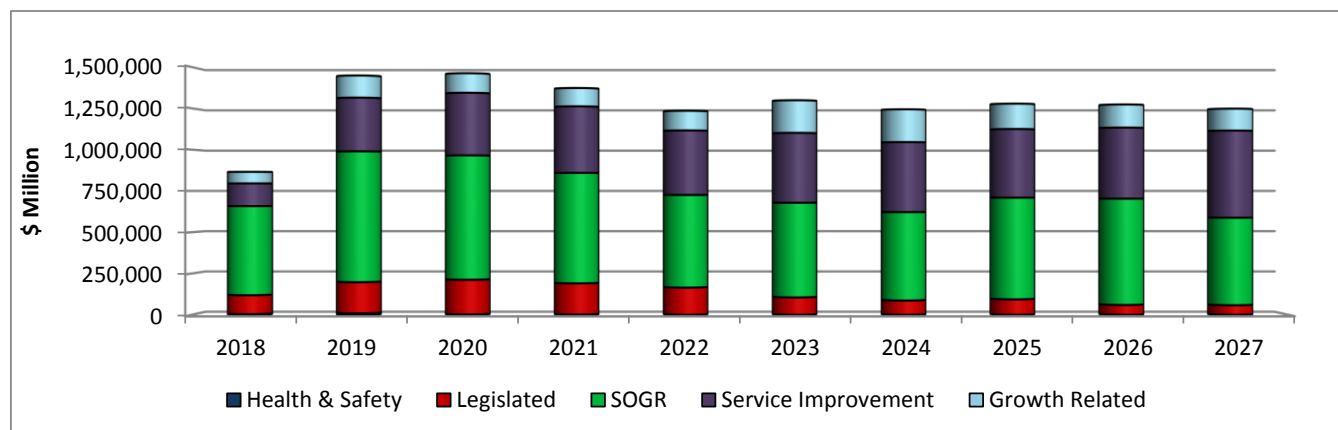
Significant reductions in capital expenditures have been made due to the escalation in unit rate prices for linear infrastructure replacement, as well as the anticipated continuing decline in water consumption which has resulted in a need to defer/delay a number of capital projects over the 10 year planning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

- A decrease in funding of \$34.041 million or 13.2% from \$257.602 million is anticipated for *Water Treatment capital projects plantwide* for construction of UV Disinfection facilities at each of the water treatment plants.
- Some of *the Basement Flooding projects* have been deferred or reduced by \$146.528 million or 9.9% from \$1.478 billion in the realignment of program delivery timelines, and to undertake additional flow monitoring, modelling and design to ensure the timing of proposed projects.
- The funding allocation for *Trunk Watermain projects* has been reduced by \$105.334 million or 25.7%, from \$409.203 million to reflect updates in program delivery timelines.
- *The Wet Weather Flow Stream Restoration and Implementation* project funding (except for TRCA erosion control projects) has been reduced by \$105.522 million or 8.1% from \$1.310 billion as the Don & Waterfront Trunk/CSO Construction – Phase 2 project was deferred post the 10-year planning period to accommodate other Don and Central Waterfront projects including the High Rate Treatment Facility and the bundling of construction projects related to an offline storage tank and connection points to the Coxwell trunk sewer.
- Funding totalling \$15.7 million or 5.5% of \$286.246 million has been reduced to reflect lower costs for *Water Treatment and Storage projects*.
- *The Water Service Replacement project* has decreased funding of \$19.397 million or 4.7%, from \$412.999 million reflecting estimated volume of priority and planned water service replacement.
- *Yards and Facility projects* have been decreased by \$3.756 million or 8.2% from \$45.786 million due to a deferral of the Lab & EMP Facilities project.
- Decrease in costs totalling \$7.265 million for several projects including *RL Clark Water Treatment Plant, Automated Meter Reader (AMR), Business & Technology projects and Water Efficiency Plan*.

Over the 2018-2027 planning period, there are also cashflow changes that reflect updated project schedules for and realignment of projects between different program areas.

2018 – 2027 Recommended Capital Plan

Chart 2
2018 – 2027 Recommended Capital (In \$000s) Plan by Project Category



As illustrated in Chart 2 above, the 10-Year Recommended Capital Plan for Toronto Water of \$12.724 billion focuses funding on State of Good Repair (SOGR) projects (including Health and Safety and Legislated projects), which represent 58.9% of total funding over the 10-year period. Service Improvement and Growth Related Projects account for the remaining funding allocations of 30.3% and 10.8% respectively.

- Health and Safety projects represent approximately 0.1% or \$16.223 million. Funding is allocated 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 \$1.269 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 \$621 million over the 10 year period in order to ensure the continued reduction of Toronto Water's infrastructure renewal backlog estimated at \$1.482 billion for the end of 2017.
- Service Improvement projects represent approximately 30.3% or \$3.855 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$130.927 million in 2018 to \$527.39 million in 2027.
- Growth Related projects constitute about 10.8% or \$1.374 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 \$38.815 million per year. However, funding for planned significant standalone projects will vary from year to year based on growth requirements.

The following table provides details by project category within the 2018 – 2027 Recommended Capital Budget and Plan for Toronto Water:

Table 3
2018 - 2027 Capital Plan by Project Category (In \$000s)

	Total App'd Cash Flows to Date*	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total	Total Project Cost
Total Expenditures by Category													
Health & Safety													
Ashbridges Bay TP		1,684	5,215	2,063	1,585	31						10,578	
Humber TP		2,219	3,380	23	23							5,645	
Sub-Total		3,903	8,595	2,086	1,608	31						16,223	-
Legislated													
Water Service Replacement		39,863	54,161	41,301	41,301	43,250	43,250	43,250	42,750	41,250	41,250	431,626	
Pumping Stations		3,519	5,883	9,025	8,481	7,090	6,123	4,305	8,700	6,925	6,250	66,301	
WT - Storage & Treatment		100	100									200	
Ashbridges Bay TP		57,631	110,922	129,648	111,475	105,992	55,175	37,716	35,696	65		644,320	
Highland Creek TP		6,549	11,105	14,019	8,532	50	400	1,000	6,500	11,300	10,550	70,005	
Humber TP		2,981	1,000									3,981	
RL Clark TP		2,875	2,750									5,625	
Island TP		1,111	2,800	15,900	18,980	8,250	200	200				47,441	
Sub-Total		114,629	188,721	209,893	188,769	164,632	105,148	86,471	93,646	59,540	58,050	1,269,499	-
State of Good Repair													
Business & Technology		6	160		78	80						324	
Linear Eng		81,966	89,622	79,783	75,594	73,886	75,061	65,894	66,758	75,725	69,487	753,776	
Sewer Rehabilitation		72,097	77,377	70,366	64,043	63,200	63,200	64,100	65,650	64,400	65,950	671,326	
Sewer Replacement		8,970	30,637	22,292	19,536	15,830	15,000	15,000	15,000	15,000	15,000	172,265	
WM Rehabilitation		78,588	75,699	71,284	72,364	73,475	75,300	73,800	73,400	73,300	73,800	741,010	
WM Replacement		41,622	119,020	106,268	106,850	95,253	95,000	95,000	95,000	95,000	95,000	944,013	
Water Service Replacement		1,613	1,613									3,226	
Pumping Stations		4,412	7,769	11,289	2,022	3,760	7,935	7,875	6,815	4,260	3,550	59,687	
Trunk Water Mains		8,197	6,244	3,340	2,100	14,450	25,000	27,400	21,750	25,575	25,525	159,581	
WT - Storage & Treatment		19,991	35,041	57,354	40,205	8,206	9,288	13,150	25,750	35,585	16,830	261,400	
Trunk Sewers & Pumping Stations		45,840	53,998	57,538	71,196	48,301	24,672	15,872	19,515	13,222	6,205	356,359	
Ashbridges Bay TP		88,776	142,292	142,291	131,164	107,266	127,216	100,750	134,794	141,077	69,999	1,185,625	
Highland Creek TP		14,147	51,121	45,999	24,115	12,654	10,140	16,840	23,455	24,890	7,862	231,223	
Humber TP		37,494	48,115	43,722	42,432	23,240	29,889	17,200	38,200	41,210	45,359	366,861	
RL Clark TP		7,425	9,407	4,480	260	235	200	200	200	200	200	22,807	
RC Harris TP		7,872	12,300	7,519	2,247	1,850	1,000	11,150	11,500	11,500	12,550	79,488	
FJ Horgan TP	220,669	1,809	1,724	1,522	825	678	202	202	200	200	200	7,562	228,231
Island TP		7,498	11,094	7,981	382	625	3,275	525	375	525	375	32,655	
WWF-Implementation Projects		7,337	9,050	9,677	3,015	4,586	1,500	4,000	4,000	4,000	6,000	53,165	
WWF - Stream Restoration		2,827	9,548	9,621	8,386	10,729	7,584	4,696	11,541	16,321	14,292	95,545	
Yards & Facility		535	337	767	1,733	1,377	1,485	1,485	1,485	1,485	1,485	12,174	
Sub-Total	220,669	539,022	792,168	753,093	668,547	560,624	572,947	535,139	615,388	643,475	529,669	6,210,072	228,231
Service Improvements													
Water Meter Program (AMR)	246,496	3,030										3,030	249,526
Basement Flooding		43,078	113,279	139,113	153,223	152,216	172,730	175,891	183,651	197,997	211,263	1,542,441	
Business & Technology		7,830	15,060	12,993	11,946	7,584	6,069	4,569	2,714	1,814	1,814	72,393	
Linear Eng		1,765	2,025	3,075	3,175	4,075	7,175	8,975	8,475	7,975	7,975	54,690	
Sewer Replacement		2,483	1,624									4,107	
Pumping Stations		231	512									743	
Trunk Water Mains		699	5,357	4,625	91	92						10,864	
WT - Storage & Treatment		5,927	10,063	3,425	33	14						19,462	
Ashbridges Bay TP		7,331	11,162	12,206	8,323	10,775	2,175	1,250	1,050	21,300	46,865	122,437	
Highland Creek TP		4,635	5,544	10,060	31,126	28,670	32,115	44,000	44,200	33,070	29,100	262,520	
Humber TP		1,676	6,641	7,990	8,974	9,177	7,500					41,958	
RC Harris TP		3,269	7,226	1,558								12,053	
FJ Horgan TP		713	2,108	2,325	1,010							6,156	
Island TP		1,052	1,644	833	695	650						4,874	
WTP-Plantwide		1,425	9,783	29,073	42,990	55,221	44,397	20,832	9,420	10,420	3,375	226,936	
WWF-Implementation Projects		34,706	107,132	127,754	123,806	106,881	134,315	151,381	149,240	140,690	201,470	1,277,375	
WWF-TRCA		13,832	14,791	14,104	14,219	14,337	15,958	16,082	16,209	16,339	16,473	152,344	
Yards & Facility		4,245	10,985	9,580	3,105	1,005	605	605	605	605	9,055	40,395	
Sub-Total	246,496	137,927	324,936	378,714	402,716	390,697	423,039	423,585	415,564	430,210	527,390	3,854,778	249,526
Growth Related													
Linear Eng		252	807	150	150	150	150	150	150	150	150	2,259	
New Connections		34,825	37,323	38,000	38,000	38,000	38,000	41,000	41,000	41,000	41,000	388,148	
New Sewers		7,398	12,688	9,450	7,500	3,300	1,000	6,000	9,000	9,000	7,500	72,836	
WM Replacement		14,474	51,375	34,372	26,433	18,133	18,071	18,040	19,000	19,000	19,000	237,898	
Pumping Stations		4,625	6,411	4,907	3,430	4,265	1,975	10				25,623	
Trunk Water Mains		6,323	20,700	22,710	20,136	18,000	18,300	14,300	20,845	17,635	12,300	171,249	
WT - Storage & Treatment		174	140	-	1,000	2,000	3,000					6,314	
Trunk Sewers & Pumping Stations		499	1,310	3,000	9,300	28,150	52,400	52,400	52,400	52,200	51,900	303,559	
Ashbridges Bay TP		800	2,500	4,500	4,000	6,300	64,000	66,000	10,350	300	200	158,950	
Highland Creek TP			190	800	500							1,490	
FJ Horgan TP						41						41	
Water Efficiency Plan		370	445	445	445	445	520	520	520	520	520	4,750	
WWF-Implementation Projects			25	25	100	100	100	100	90			540	
Sub-Total		69,740	133,914	118,359	110,994	118,884	197,516	198,520	153,355	139,805	132,570	1,373,657	-
Total Expenditures by Category (excluding carry forward)	467,165	865,221	1,448,334	1,462,145	1,372,634	1,234,868	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,724,229	477,757

*Life to Date approved cash flows will be provided for multi-year capital projects with cash flow approvals prior to 2017, excluding ongoing capital projects.

2018 – 2027 Capital Projects

The 10-Year Recommended 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 to be recovered from Development Charges. Additional financial pressures are also accommodated within the Plan the result of 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 in 2027.

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 watermain and sewers, and investment in the City's aging wastewater treatment facilities, are the focus of the 2018-2027 Recommended Capital Budget and Plan.
- The 10-Year Capital Plan includes \$7.496 billion or 58.9% of the total funding of \$12.724 billion for new SOGR projects (including Health & Safety and Legislated projects of \$1.286 billion or 10.1%) over the next 10 years.
- The 2018-2027 Recommended Capital Budget and Plan also includes funding of \$644.020 million or 5.1% of the total funding to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$50.926 million or 0.4% of the total is allocated to 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 \$1.482 billion by year-end 2017, with the backlog projected to be effectively eliminated by year-end 2027, provided current funding allocations for State of Good Repair projects are maintained over the next 10 years.
- Adjustments to project costing rates to align with market experience calculated through the bidding process, will require that the SOGR estimate 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 is expected to be completed in 2017.

Service Improvements

- Service Improvement projects totaling \$3.855 million or 30.3% of total funding over the 10-year period, some of which is recovered from Development Charges.
 - Approximately \$1.542 billion or 12.1% 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 \$1.006 billion or 7.9% of the total.

- The Stormwater Management End of Pipe Facilities projects totalling \$211.222 million or 1.7% 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 \$152.344 million or 1.2% is included in the 10-Year Capital Plan in funding contributions to the TRCA for stream restoration and erosion control projects.
- Another \$261.069 million or 2.1% has been allocated to the Highland Creek Waste Water Treatment Plant upgrades and biosolids and gas handling projects implementation.
- Toronto Water also allocated \$72.393 million to the Business and Technology projects to upgrade reliability and connectivity of its water and wastewater treatment plant systems. This includes funding of \$5.930 million for the Enterprise Work Management System, a corporate initiative that will replace several legacy software applications with an enterprise solution in order to improve the coordination of daily maintenance activities across the four largest divisions, Parks, Forestry and Recreation, Solid Waste Management, Toronto Water and Transportation Services.

Growth Related

- Growth Related projects account for \$1.374 billion or 10.8% 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 2018-2027 Recommended Capital Budget and Plan allocates funding for the New Sewer Construction (\$63.058 million) and Trunk Sewer and Pumping Station projects (\$188.786 million), as well as New Service Connections (\$388.148 million) and Trunk Watermains (\$171.249 million) to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments. It also allocates funding to construct 2 new aeration tanks at the Ashbridges Bay Treatment Plant (\$157.150 million).

2018 Recommended Capital Budget and Future Year Commitments

Included as a sub-set of the 10-Year Capital Plan is the 2018 Recommended Capital Budget and Future Year Commitments, that consists of 2018 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.

- Table 3a on the following page lists the 2018 Recommended Capital Budget and Future Year Commitments for Toronto Water:

Table 3a
2018 Cash Flow & Future Year Commitments (In \$000s)

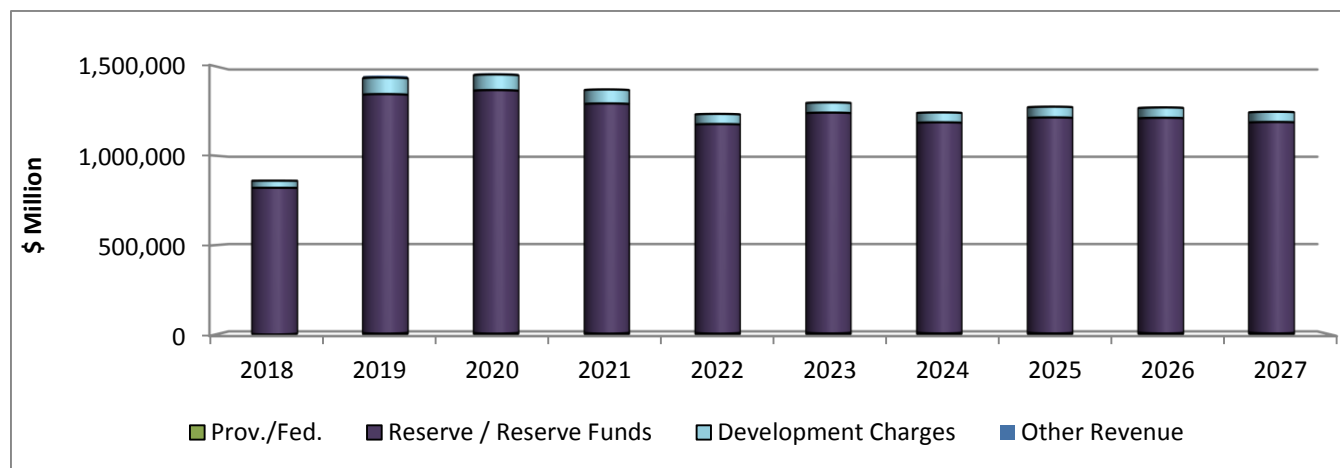
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total 2018 Cash Flow & FY Commits
Expenditures:											
Previously Approved											
Water Meter Program (AMR)	3,180	500	346								4,026
Basement Flooding	97,374	116,125	128,379	149,370	167,801	179,791	167,530	160,518	100		1,166,988
Business & Technology	21,767	16,620	12,168	1,471	460	350					52,836
Linear Eng	58,936	43,941	26,163	9,463	4,864	3,489	1,839	1,295	3,139		153,129
New Connections	35,200										35,200
New Sewers	13,240	12,230	5,000								30,470
Sewer Rehabilitation	64,633	24,236	1,736	1,700	1,700	150					94,155
Sewer Replacement	13,103	3,218	1,916	1,916							20,153
WM Rehabilitation	61,766	24,590	9,577	4,575	450	30	27				101,015
WM Replacement	47,057	22,789	10,129	2,306	33	73	40				82,427
Water Service Replacement	36,049	15,450	2,200								53,699
Pumping Stations	22,707	21,628	10,203	7,509	4,390	3,098	50				69,585
Trunk Water Mains	25,586	16,433	10,380	252	92						52,743
WT - Storage & Treatment	40,040	33,530	13,976	3,932	881	1,267	1,000	700	350		95,676
Trunk Sewers & Pumping Station	56,768	33,288	31,616	29,945	20,083	7,089	850	33	26		179,698
Ashbridges Bay TP	197,206	245,186	189,512	133,594	93,778	89,254	71,647	68,888	77,883		1,166,948
Highland Creek TP	40,849	51,806	37,559	21,273	6,449	5,200	7,430	5,200	11,950		187,716
Humber TP	82,234	52,181	50,595	34,249	27,920	10,650	2,300	394			260,523
RL Clark TP	12,630	11,252	4,454	60	35						28,431
RC Harris TP	23,335	6,706	767	213	150						31,171
FJ Horgan TP	4,180	2,480	237	20	49						6,966
Island TP	11,754	10,151	18,072	14,850	6,200	75	25				61,127
WTP-Plantwide	3,594	2,429	2,971	1,850	1,098	925	530	500	400		14,297
Water Efficiency Plan	520	520	35								1,075
WWF-Implementation Projects	24,765	35,034	42,030	19,840	19,286	17,765	27,061	6,600			192,381
WWF-TRCA	1,000	350									1,350
WWF - Stream Restoration	8,319	7,015	4,060	3,515	2,035	1,485	310	295	120		27,154
Yards & Facility	4,225	2,108	2,209	858							9,400
Subtotal	1,012,017	811,796	616,290	442,761	357,754	320,691	280,639	244,423	93,968		4,180,339
Change in Scope											
Water Meter Program (AMR)	(150)	(500)	(346)								(996)
Basement Flooding	(54,296)	(2,927)	10,051	(8,033)	(28,899)	(23,403)	(20,260)	(12,518)	91,965	15,300	(33,020)
Business & Technology	(13,931)	(3,200)	(505)	7,872	3,270	2,825	1,800				(1,869)
Linear Eng	22,150	14,153	11,444	8,271	9,881	3,511	590	(590)	(1,000)		68,410
New Connections	(375)	12,323									11,948
New Sewers	(6,842)	(1,542)	3,450	6,500	2,300						3,866
Sewer Rehabilitation	7,464	51,141	34,780	6,543	5,743	(150)					105,521
Sewer Replacement	(7,131)	5,436	110		800						(785)
WM Rehabilitation	16,637	48,434	9,517	(4,336)	(275)	(30)	(27)				69,920
WM Replacement	(38,865)	14,660	5,116	5,295	228	(2)					(13,568)
Water Service Replacement	(1,573)	20,324	6,701	2,001							27,453
Pumping Stations	(10,295)	(1,978)	10,838	(2,026)		500	5				(2,956)
Trunk Water Mains	(10,767)	14,868	16,095	2,525	250						22,971
WT - Storage & Treatment	(14,198)	4,464	10,053	6,781	(66)	(1,219)	(1,000)	(700)	(350)		3,765
Trunk Sewers & Pumping Station	(10,429)	20,770	25,872	41,201	19,693	2,268	(708)	(33)	(26)		98,608
Ashbridges Bay TP	(46,227)	(7,145)	42,096	48,978	44,036	14,397	1,079	3,362	(4,356)	10,384	106,604
Highland Creek TP	(15,528)	16,084	30,319	18,000	9,925	(445)	(1,090)	6,955	(410)	1,362	65,172
Humber TP	(38,914)	555	(6,860)	9,530	(2,053)	21,139	8,600	4,506	4,910	3,009	4,422
RL Clark TP	(2,330)	905	26	200	200						(999)
RC Harris TP	(12,244)	10,670	6,160	2,034	1,100						7,720
FJ Horgan TP	(1,658)	1,252	2,935	1,240	195						3,964
Island TP	(2,093)	5,387	6,492	5,207	3,075	125	175				18,368
WTP-Plantwide	(2,239)	2,079	1,897	3,270	1,783	22	202	(450)	(400)		6,164
Water Efficiency Plan	(150)	(75)	410	445	445						1,075
WWF-Implementation Projects	(7,022)	(2,787)	4,416	10,521	(3,929)	(11,700)	(20,050)	(1,260)	9,600	33,200	10,989
WWF-TRCA	12,832	450									13,282
WWF - Stream Restoration	(5,492)	28	1,660	701	(97)	(272)	160	(115)	(15)	70	(3,372)
Yards & Facility	(1,649)	477	516	1,642	400						1,386
Subtotal	(245,315)	224,306	233,243	174,362	68,005	7,566	(30,524)	(843)	99,918	63,325	594,043

Table 3a
2018 Cash Flow & Future Year Commitments (In \$000s) – Continued

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total 2018 Cash Flow & FY Commits
New w/Future Year											
Linear Eng	2,897										2,897
New Sewers	1,000	2,000	1,000								4,000
Sewer Replacement	5,481	5,225	3,839	129	30						14,704
WM Rehabilitation	185	1,675	640	75							2,575
WM Replacement	47,904	53,731	14,611	928							117,174
Water Service Replacement	7,000	10,000	3,000								20,000
Pumping Stations	375	925	3,925	6,975	7,365	4,175	3,110	100			26,950
Trunk Water Mains	400	1,000	1,100	1,700	700	700	700	245	35		6,580
WT - Storage & Treatment	350	5,000	17,200	11,750	5,250	5,250	2,650	25			47,475
Ashbridges Bay TP	5,243	30,100	52,000	57,000	62,000	52,000	35,000	34,000			327,343
Highland Creek TP	10	70	3,000	25,000	25,000	25,000	15,000	7,000	6,920		107,000
Humber TP	1,050	6,400	8,000	7,500	5,550	3,000					31,500
RC Harris TP	50	1,150	1,000								2,200
WTP-Plantwide	70	375	305								750
WWF-Implementation Projects	24,300	82,850	85,000	85,000	85,000	85,000	62,500				509,650
Yards & Facility	2,204	8,737	6,492	458	102	210	210	210	210	8,660	27,493
Subtotal	98,519	209,238	201,112	196,515	190,997	175,335	119,170	41,580	7,165	8,660	1,248,291
Total Expenditure	865,221	1,245,340	1,050,645	813,638	616,756	503,592	369,285	285,160	201,051	71,985	6,022,673
Financing:											
Reserves/Res Funds	820,371	1,159,991	980,419	770,164	590,355	485,375	357,248	280,770	199,346	69,000	5,713,039
Development Charges	39,885	73,953	62,252	41,392	25,302	17,544	11,575	4,375	1,705	2,985	280,968
Other (Region of York)	4,965	11,396	7,974	2,082	1,099	673	462	15			28,666
Total Financing	865,221	1,245,340	1,050,645	813,638	616,756	503,592	369,285	285,160	201,051	71,985	6,022,673

- Approval of the 2018 Recommended Capital Budget of \$865.221 million will result in future year funding commitments of \$1.245 billion in 2019, \$1.051 billion in 2020, \$813.638 million in 2021, \$616.756 million in 2022, \$503.592 million in 2023; \$369.285 million in 2024, \$285.160 million in 2025, \$201.051 million in 2026, and \$71.985 million in 2027, for a total of \$6.023 billion.

Chart 3
2018 – 2027 Recommended Capital Plan by Funding Source (In \$000s)

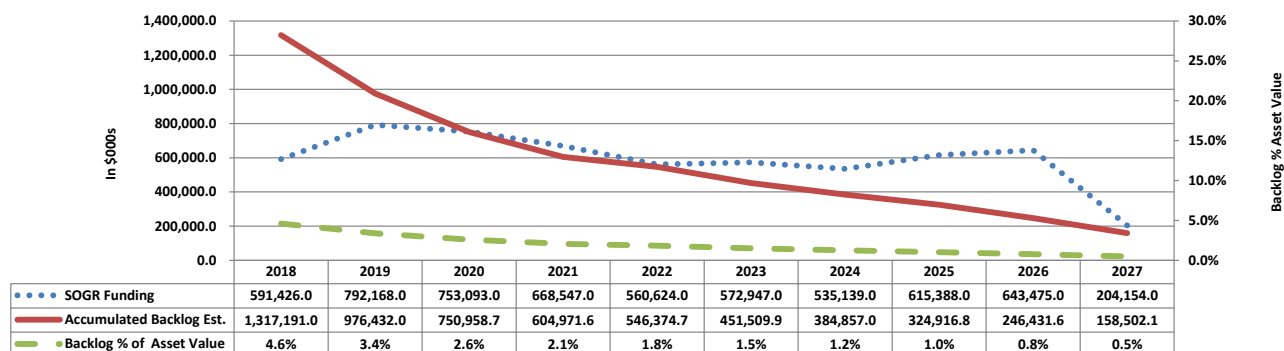


- Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% funded and does not require debenture financing.
- The 10-Year Recommended Capital Plan of \$12.724 billion will be funded primarily from the Program's reserves, representing approximately 94% or \$11.993 billion of total capital financing.
 - Capital funding from Toronto Water reserves increases from \$820.371 million in 2018 to \$1.362 billion in 2020. 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% in 2018, and 3% thereafter.
- Development Charges (DC) provide approximately 5% or \$641.146 million of financing included the 10-Year Capital Plan. The use of Development Charge funding has been maximized based on project eligibility.
 - Due to insufficient funding collected from Development Charges, Toronto Water will not be able to fully offset the costs of the growth related share for projects that are eligible for development charge funding incorporated in its 10-Year Capital Plan.
 - Approximately \$200.0 million in project costs related to the growth component will be funded from Toronto Water's capital financing reserves, thus reducing Toronto Water's ability to address its SOGR backlog of projects at a faster rate.
 - It is anticipated that a new Development Charges Background Study (currently in review) will address some of the funding requirements resulting from significant growth the City of Toronto has been experiencing in recent years, with many landowners submitting development applications requesting amendments to the zoning by-law to increase the permitted density.
 - The increase in Development Charge funding will assist Toronto Water in maintaining a positive reserve balance, while accommodating increased capital funding needs of its SOGR program.
- Other financing sources include funding of \$40.223 million from Region of York for cost sharing projects and Federal/Provincial Grant funding of \$50.0 million, totalling approximately 0.3% and 0.4% of the total respectively.

State of Good Repair (SOGR) Backlog

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



- By the end of 2017, the replacement value of Toronto Water's assets is estimated at \$28.561 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 \$21.250 billion.
 - Facility/plant assets account for the remaining 26% or \$7.310 billion.
- The 2017 year-end backlog of state of good repair work for linear and plant infrastructure renewal is projected at \$1.482 billion, representing 5.2% of the asset replacement value. Approximately 53% or \$0.790 billion of the backlog relates to linear infrastructure, with the remaining 47% or \$0.692 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 the changing condition of the asset.

- The 10-Year Capital Budget and Plan dedicates \$6.210 billion or \$621 million on average annually, to address state of good repair, which is anticipated to effectively eliminate the backlog by 2027.

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

Total	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
State of Good Repair Funding	591,426	792,168	753,093	668,547	560,624	572,947	535,139	615,388	643,475	204,154
Accumulated Backlog Est. (yr-end)	1,317,191	976,432	750,959	604,972	546,375	451,510	384,857	324,917	246,432	158,502
Backlog %Asset Value	4.6%	3.4%	2.6%	2.1%	1.8%	1.5%	1.2%	1.0%	0.8%	0.5%
Asset Value	28,639,709	28,800,326	28,981,642	29,187,663	29,795,095	30,048,744	30,998,468	31,557,410	32,230,064	33,083,310
Plants										
State of Good Repair Funding	210,369	318,769	315,585	244,513	158,541	185,480	164,777	238,174	256,707	818
Accumulated Backlog Est. (yr-end)	623,112	445,877	271,826	168,847	151,841	107,895	84,652	84,652	84,652	71,301
Backlog %Asset Value	8.5%	6.1%	3.7%	2.3%	1.9%	1.4%	1.1%	1.0%	0.9%	0.8%
Asset Value	7,311,698	7,335,765	7,376,120	7,376,120	7,801,582	7,854,465	8,008,628	8,387,919	8,929,996	9,421,156
Linear Infrastructure										
State of Good Repair Funding	381,057	473,399	437,508	424,034	402,083	387,467	370,362	377,214	386,768	203,336
Accumulated Backlog Est. (yr-end)	694,079	530,555	479,133	436,124	394,534	343,615	300,205	240,265	161,779	87,201
Backlog %Asset Value	3.3%	2.5%	2.2%	2.0%	1.8%	1.5%	1.3%	1.0%	0.7%	0.4%
Asset Value	21,328,011	21,464,561	21,605,522	21,811,543	21,993,513	22,194,279	22,989,840	23,169,491	23,300,068	23,662,154

- 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 3.7% of its replacement value at the end of 2017, compared to 9.5% 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.
- In addition to condition assessments, 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 2017. The integrated Asset Management solution will support further development of its Asset Management Plans.
- 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.
- 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	2018 Budget		2019 Plan		2020 Plan		2021 Plan		2022 Plan		2018 - 2022		2018 - 2027	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
Ashbridges Bay WWTP - Ferrous Upgrades	(180.0)										(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			206.0	2.0	87.2	1.0					293.2	3.0	293.2	3.0
Laboratory Equipment (Warranty Expiry)			25.0		35.0		15.0		50.0		125.0		175.0	
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	15.0										15.0		15.0	
Sewer Replacement Program - Waterfront Stormwater Infrastructure			160.6	2.0	76.2	1.0					236.8	3.0	236.8	3.0
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	105.0	1.0									105.0	1.0	105.0	1.0
Ashbridges Bay WWTP - Liquid Treatment & Handling - Primary Treatment Upgrade	825.0		200.0	1.0	100.0	1.0	100.0				1,225.0	2.0	1,225.0	2.0
Ashbridges Bay WWTP - Liquid Treatment & Handling - Waste Activated Sludge Upgrade	620.0				(620.0)				1,700.0		1,700.0		1,700.0	
Ashbridges Bay WWTP - O & M Upgrades			161.9		(12.0)						149.9		149.9	
Ashbridges Bay WWTP - Odour Control - Biofilters Upgrade	100.0										100.0		100.0	
Island WTP - Chemical & Residuals Management	(39.0)		-		99.9	1.0					60.9	1.0	60.9	1.0
Water Treatment Plantwide - UV Desinfection							120.0		288.0		408.0		408.0	
SWM End of Pipe Facilities - Etobicoke							50.0				50.0		50.0	
Wet Weather Flow Master Plan			115.0				50.0				165.0		165.0	
Ashbridges Bay WWTP - Desinfection System Construction					712.1	2.0	413.0				1,125.1	2.0	1,125.1	2.0
Ashbridges Bay WWTP - Liquid Treatment & Handling - Integrated Pumping Station													1,000.0	
New Projects - Future Years														
Humber WTP - Odour Control Engineering					550.0						550.0		550.0	
North Toronto WTP - Treatment Plant Improvements					466.0						466.0		466.0	
Total (Net)	1,496.0	1.0	983.5	5.0	1,494.4	6.0	848.0		2,203.0		7,024.9	12.0	8,074.9	12.0

The 10-Year Recommended Capital Plan will increase future year Operating Budgets by a total of \$8.075 million net over the 2018 – 2027 period, as shown in the table above.

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

- Year 2018: An increase in operating costs for salaries, benefits, chemicals, energy, utilities, and contracted services from previously approved projects at the Ashbridges Bay Wastewater and Humber Wastewater Treatment plants (\$1.715 million) will be offset by savings in materials from the implementation of facility upgrades at the Ashbridges Wastewater Treatment Plant and Island Water Treatment Plant (\$0.219million), resulting in a net increase of \$1.496 million.
 - One position is required for the new substation at the Humber River Wastewater Treatment Plant.

- Year 2019: An increase in operating costs in the amount of \$0.984 million mostly due to the operating impact of capital projects at Ashbridges Bay Wastewater Treatment Plant, the Highland Creek Wastewater Treatment Plant odour control project, the Water Quality Master Plan's taste and odour projects, the Waterfront/ East Bayfront sewer replacement projects and various Basement Flooding projects.
 - 2 new positions each will be needed to maintain new infrastructure resulting from the Waterfront/East Bayfront sewer replacement projects and Basement Flooding Program projects. Another position is required for primary treatment and other operating upgrades at Ashbridges Wastewater Treatment Plant, for a total of 5 new positions.
- Year 2020: Additional operating costs of \$2.126 million are anticipated from the implementation of the Ashbridges Bay disinfection and primary treatment upgrades, Humber Wastewater Treatment Plant odour control project and improvements at North Toronto Wastewater Treatment Plant, as well as the Island Water Treatment Plant chemicals and residual management. These costs will be partially offset by savings from implementation of liquid treatment capital projects and other upgrades at Ashbridges Bay Wastewater Plant (\$0.632 million), resulting in a net increase of \$1.494 million.
 - 3 new positions will be required to maintain new infrastructure resulting from Ashbridges Wastewater Treatment Plant capital projects (disinfection system and liquid treatment and handling). An additional one position each will be needed to maintain new infrastructure resulting from the Waterfront/East Bayfront sewer replacement projects, Basement Flooding Program projects and Island Water Treatment Plant chemical and residual management facility, for a total of 6 new positions.
- Years: 2021 to 2025. The operating cost increase of \$4.101 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.

Table 6
Capital Project Delivery: New Temporary Positions

Project Name	CAPTOR Project Number	Position Title	# of Positions	Project Delivery		Salary and Benefits \$ Amount(\$000s)					
				Start Date	End Date (m/d/yr)*	2018	2019	2020	2021	2022	2023 - 2027
Enterprise Work Management System	WAT907946	Senior Systems Integrator	1.0	01/01/2018	31/12/2023	116.1	117.6	117.6	117.6	117.6	117.6
Scarborough Subway Extension	TTC Capital Program	Senior Engineer	1.0	01/01/2018	31/12/2022	136.4	138.1	138.1	138.1	138.1	
Scarborough Subway Extension	TTC Capital Program	Engineer Water	1.0	01/01/2018	31/12/2022	117.5	119.0	119.0	119.0	119.0	
Scarborough Subway Extension	TTC Capital Program	Maintenance Worker 2 Water	1.0	01/01/2019	31/12/2022		77.3	77.3	77.3	77.3	
Scarborough Subway Extension	TTC Capital Program	Maintenance Worker 3	1.0	01/01/2019	31/12/2022		69.8	69.8	69.8	69.8	
Total			5.0			370.0	521.7	521.7	521.7	521.7	117.6

* End dates and salary/benefit information beyond 2022 subject to review during the 2019 Budget Process.

Approval of the 2018 – 2027 Recommended Capital Budget and Plan will result in a requirement for 5 new temporary capital project delivery positions to implement the following projects:

- *Enterprise Work Management System* – A Senior Systems Integrator position at cost of \$0.116 million (\$0.118 million from 2019 forward) will be supporting the Enterprise Work Management System, a corporate initiative that will replace several legacy software applications with an enterprise solution in order to improve the coordination of daily maintenance activities across the four largest divisions, Parks, Forestry and Recreation, Solid Waste Management, Toronto Water and Transportation Services.

- *Scarborough Subway Extension* – 2 positions, a Senior Engineer position and an Engineer position, are required in 2018 (\$0.254 million). Another 2 Water Maintenance Worker positions will be added in 2019 (0.148 million), for a total of 4 positions (\$0.401 million). These positions will undertake reviews and address water infrastructure related issues on the Scarborough Subway Extension project. These positions are to be fully funded by TTC.

It is recommended that Council approve these new 3 temporary capital positions for the delivery of the above capital projects / sub-projects in 2018 and that the duration for each temporary position not exceed the life of the funding of its respective capital projects / sub-projects.



Part 2: Issues for Discussion

Issues for Discussion

Issues Impacting the 2018 Capital Budget

2018 Water Consumption Forecast

- Over the last ten years, water consumption has continued to decline, despite population growth. Besides weather conditions, the decline in water consumption is attributed to water efficiency measures and economic factors. Toronto's water consumption has declined from 374 in 2005 to 327 million cubic metres at the end of 2015.
- In 2016 and 2017, water consumption levels have been impacted by extreme swings in precipitation.
 - Although 2016 water consumption was projected to decline further due to unexpectedly dry and warm summer weather conditions, actual water consumption exceeded 2015 actual consumption by almost 2%. This was the first year in over a decade with an increase in water consumption.
 - In contrast, available billing data to the end of August 2017, shows a significant drop in actual water consumption compared to the same period of 2016, as a result of a cooler, wet spring and summer, with record breaking rainfall experienced during the first 5 months. The summer consumption in 2017 was the lowest in the summer months over the last 10 years - 3% lower than in 2015 and 7% lower than in 2016.
- In order to mitigate the impact of irregular weather patterns that occurred in 2016 and 2017, the water consumption projections are based on the 2015 actual consumption. The 2017 projected year-end consumption is estimated at 320 million cubic metres or 2.5% below 2015 actual consumption and 1.2% lower than budgeted consumption, applying a 0.5% decrease a year.
- Similar to previous years, the 2018 Water and Waste Water Model continues to assume that the 2018 and future year water consumption (2019-2027) will continue to decline at a moderate annual rate of 0.5%:
- Given the above, 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 an \$11.6 million impact on anticipated annual sale of water revenues.

Water Rate Increases & Reserve Balances

- Council, as part of the 2015 Budget process, approved the direction that for planning purposes the 10-Year Capital Plan be based on 8% water and wastewater consumption rate increases for 2015 and 2016, followed by successive 5% increases in 2017 and 2018, and 3% thereafter, in order to reinstate approximately \$1 billion in capital funding lost from a systematic decline in consumption, and to fund emerging projects.
- For 2018, 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 2018-2027 Recommended Capital Budget and Plan and in accordance with the Council decision from 2015, the following rate increases are incorporated in the 2018 Water and Wastewater Rate Model:
 - 5% in 2018.
 - 3% from 2019 to 2027.
- The following should be noted:

- Based on the above water consumption and water and wastewater rates, sufficient revenues will be generated to fund the 2018-2027 Capital Budget and Plan, leaving a positive capital financing reserve balance of \$83.4 million at the end of the 10-year period.
- Unit rate pricing for linear infrastructure replacement has escalated in recent years, 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.
- Toronto Water's 10-Year Capital Plan includes forecasted funding for the expanded TRCA Watercourse Erosion Control project for a total of \$75.0 million to be spent between 2019 and 2027. It is assumed that 2/3 (\$50.0 million) will be funded by other orders of government. This funding has yet to be secured.
- The 10-Year Capital Plan does not include any funding for unmet need projects identified by TRCA during the 2018 Budget process.
- Should any of the above funding be added to the 10-Year Capital Plan, the 2027 year-end capital financing reserve fund balance would be significantly reduced, if not depleted.
- Also, based on the fact that the reserve balance decreases to approximately \$14.9 million in 2025, as some of the largest multi-year projects are nearing completion, any further decline in water consumption would require an adjustment to the 10-Year Capital Plan's projects.

Issues Impacting the 10-Year Capital Plan

Review of Capital Projects and Spending

- Toronto Water's spending capacity over the previous five years, from 2012 to 2016, averaged \$565.028 million or 81.5% for a capital budget of \$693.588 million. The above average spending rate of 95.3% and 83.5% were achieved in 2014 and 2015 respectively.
- The 2018 Capital Budget request of \$964.089 billion (including carry forward funding of \$98.868 million) is higher than the historic 5-year average budget (\$693.588 million) by approximately 40%. This request is 15% higher than the 2017 Capital Budget of \$843.531 million.
- Combined with the City-wide road maintenance and utility excavation and cut repair capital work over the next ten years, as well as industry's limited capacity to deliver projects across the City, Toronto Water will be facing significant challenges to achieve high spending rates and/or deliver projects as planned, not only in 2018, but even more so in future years as Toronto Water's capital program and annual cash flows increases to implement some large upgrade projects at Ashbridges Bay Wastewater Treatment Plant and other facilities.

Stage Gating

- Stage gating for project delivery is regularly applied to all Toronto Water capital projects. Toronto Water also continues to monitor its expenditures throughout the year and revises projections accordingly based on the internal and external capacity to deliver. In order to improve spending rates, Toronto Water routinely realigns project costs and cash flows with actual spending through regular reporting to Council. This practice is anticipated to continue in 2018.

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 \$28.561 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 mitigation approach is taken that considers infrastructure age, condition and performance assessment, and analysis on upsizing infrastructure, which may be required to service future growth, and opportunities to reduce overall costs.
- Some key initiatives used 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 indicates the condition and performance of the watermain.
 - Closed camera TV (CCTV) inspection program that utilizes closed camera technology to assess the condition of sanitary and storm sewers.
- The projected 2017 year-end value of the infrastructure renewal backlog is estimated at \$1.482 billion, reflecting 5.2% of Toronto Water's total asset value of \$28.561 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.
- The 10-Year Recommended Capital Plan State of Good Repair funding totals \$6.210 billion that averages \$621 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 of \$1.482 billion in 2017 will be effectively eliminated by the end of 2027.
- 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 and does not 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 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 to 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 delivers more effectively a larger number of infrastructure improvements, and meet the needs of the city-wide expansion of the Program.
- As of the end of October 2017, Basement Flooding Environmental Assessment (EA) studies for 32 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. Another 11 studies are ongoing, one study is scheduled to be completed by the end of 2017, 8 studies are anticipated to be completed in 2018 and 2 studies are planned for completion in 2020.

- 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 2017, \$349 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 \$24.6 million in construction projects has been committed.
- The 2018 – 2027 Recommended Capital Budget and Plan includes \$1.542 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 2018-2027 Capital Budget and Plan allocates a total of \$152.344 million over a 10-year period, as Toronto Water continues to support the TRCA's efforts in watercourse management.
- Toronto Water's 2018-2027 Recommended Capital Budget and Plan also includes further funding of \$95.545 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

- The City of Toronto's stormwater management program is currently funded from the water rate, rather than a separate charge. In December 2015, City Council directed staff to develop an implementation plan for a stormwater charge, dedicated to funding the City's stormwater management program, which would result in the removal of the portion from the water rate that currently funds the stormwater management program.
- After developing a detailed stormwater charge implementation plan, staff executed a substantial consultation campaign to solicit feedback on the model from stakeholders and the general public. The consultation process identified several issues related to the implementation of the stormwater charge such as strong demand from stakeholders and the public for more individualized stormwater charge formulations, potential exemptions from the stormwater charge, and requests for incentives for homeowners.
- The findings were presented in the ***"Proposed Stormwater Charge -- Results of Consultation and Next Steps"***, considered and adopted by Council at its meeting on May 24, 25 and 26, 2017.
 - As a result of issues identified during preparation of the implementation plan and public consultations, staff did not recommend the implementation of a stormwater charge.

- Instead, the recommendations of the report directed the General Manager, Toronto Water and the Deputy City Manager & Chief Financial Officer to consult with all stakeholders and report back to Executive Committee in the spring of 2019 with a review of the water rate structure as it pertains to identifying fixed-cost elements that would be appropriate to charge as fixed-charges; recovering costs of stormwater management from properties that do not have water accounts; incentivizing stormwater management on large properties; and attracting and retaining the manufacturing sector in Toronto.
- The recommendations also directed staff to assess the state of technology relevant to the viability of automated geographic information system (GIS) analysis of stormwater runoff contributions from properties across Toronto and to periodically report back during the annual budget process with findings of this assessment.

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.
 - The 10-Year Capital Plan includes \$641.146 million in funding for the growth related share of projects that were eligible for development charge funding. Due to insufficient funding collected through development charges, an additional \$200.0 million will be contributed from Toronto Water's capital financing reserves to accommodate implementation of the growth related component.
 - A strategy is required to ensure that water and wastewater services are available for the new developments since the above funding model will not be sustainable in the future.

Unmet Needs: TRCA Unfunded Projects

- As part of the 2018 Budget Process TRCA submitted an updated list of its unmet needs totaling \$404.460 million over the 10 year period, a significant increase compared to the 2017-2026 Capital Plan, mostly due to the addition of the Waterfront Rehabilitation project (\$100.0 million) and increased funding for the Scarborough Waterfront Access Trail Project (\$119 million).
- Funding of the TRCA unmet needs continues to be a subject of on-going discussion and work on the further development of business cases/studies for each project, refinement of cost estimates and prioritization of needs. Funding ratios need to be determined for each project affecting not only Toronto Water, but also other divisions such as Transportation Services and Parks, Forestry and Recreation. It is anticipated that this review will continue into 2019 and future year budget processes.
- In relation to the Waterfront Rehabilitation project, it should be noted that TRCA was requested by area Councillors to include this amount in the unmet needs list to address short and long term projects for the entire waterfront area, including damage sustained from rising lake water levels and restoration plans to waterfront parks from the extreme flooding that occurred in the Spring 2017.
 - To date, TRCA has identified \$14.5 million in restoration requirements to waterfront parks. In addition to this, the options to address damage to the Western Beaches from the flooding range from \$27.2 million to \$72.6 million.

- To date, TRCA has not provided detailed business cases and/or prioritized unmet needs project list eligible for Toronto Water's funding and/or a breakdown of the \$100 million waterfront rehabilitation project by priority (critical, required, preventative or pro-active measures).
- Another large project included in the list of unmet needs is the Scarborough Waterfront Access Trail Project. Original construction costs provided by TRCA during the 2017 Budget Process were estimated at \$51 million. This estimate did not include/provide separate costs for erosion control protection related to infrastructure of individual divisions.
 - The Draft Scarborough Waterfront Project (SWP) Environmental Assessment identified new estimated costs of about \$170 million, including property acquisitions costs of \$32.0 million, plus an additional \$22.5 million for a one time 25-year maintenance renewal of proposed new shoreline features.
 - The EA divides the study into West, Central and East Segments. A Preferred Alternative was selected based on the preferred alternative concept for each segment with an overall intent to provide. (a) improved aquatic and terrestrial habitat, (b) improved public access to the water's edge (restricted by private property and hazard risk), (c) a waterfront experience accessible for people of all abilities, and (d) a project compatible with plans or policies related to the environment.
 - As a result, the SWP will address crest migration, slope instability and toe erosion primarily to construct a formal 11 km waterfront trail, thereby decommissioning approximately 8 km of informal trails that damage the ecosystem due to trampling and other impacts from unmanaged use.
 - As the primary objective of the SWP is the construction of the trail, access and habitat enhancement, and the extent of erosion protection required is governed by risk mitigation to the public from use of a formal trail which is not part of Toronto Water's mandate, and as Toronto Water has allocated funding to critical erosion work managed by TRCA, Toronto Water cannot ascertain its funding requirements to this project that would benefit Toronto Water's infrastructure.

Issues Referred to the 2018 Capital Budget Process

- There are no issues referred to the 2018 Budget Process.



Appendices

Appendix 1 2017 Performance

2017 Key Accomplishments

In 2017, Toronto Water made significant progress and/or accomplished the following:

Water Treatment & Supply

- ✓ Approximately 32 km of watermain replacement (\$65 million) and 86 km of structural watermain lining (\$77 million).
- ✓ Water service replacement (\$29 million).
- ✓ Water treatment plant upgrades (\$30 million).
- ✓ Transmission watermain replacement (\$15 million).
- ✓ Reservoirs and pumping stations (\$20 million).
- ✓ Water Meter Program (\$4 million); Engineering Services (\$33 million); New Connections (\$35 million).

Wastewater Collection and Treatment

- ✓ 4 km of sewer replacement (\$20 million) and 105 km of sewer rehabilitation (\$58 million); trunk sewer rehabilitation (\$21 million).
- ✓ Ashbridges Bay Wastewater Treatment Plant Upgrades including P Building Upgrades, biofilters and engineering for the influent pump station and outfall projects (\$77 million).
- ✓ Highland Creek Treatment Plant Upgrades including biosolids and odour control upgrades (\$32 million).
- ✓ Humber Wastewater Treatment Plant Upgrades including gas compressor, odour control and secondary treatment upgrades (\$45 million).
- ✓ Pumping station and forcemain rehabilitation (\$6 million).
- ✓ Engineering Services (\$33 million); Business & Technology (\$7 million); Yards & Facilities (\$3 million).

Stormwater Management

- ✓ Basement Flooding Protection Program – ongoing (\$49 million).
- ✓ Wet Weather Flow Master Plan – ongoing (\$32 million).

2017 Financial Performance

2017 Budget Variance Analysis (in \$000's)

2017 Budget	As of Sept. 30, 2017		Projected Actuals at Year-End		Unspent Balance	
\$	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
843,535	215,723	25.6%	695,832	82.5%	147,702	17.5%

* Based on 2017 Second Quarter Capital Variance Report

For additional information regarding the 2017 Q2 capital variances and year-end projections for Toronto Water please refer to the attached link for the report entitled "Capital Variance Report for the Six-Month Period Ended June 30, 2017" considered by City Council at its meeting on October 2, 3 and 4, 2017.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.EX27.18>

Impact of the 2017 Capital Variance on the 2018 Recommended Capital Budget

- As a result of the delays in the capital projects, as described in the 2016 Q2 Capital Variance Report, funding of \$98.868 million is being carried forward to the 2018 Recommended Capital Budget to continue the capital work.

- A detailed review of the 2018 – 2027 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 Wastewater Treatment Plant upgrades, watermain and sewer replacement projects, basement flooding and wet weather flow implementation projects totalling \$321.933 million.
 - By deferring the cash flow funding to future years, the 2018 Recommended Capital Budget reflects readiness to proceed and will lead to a higher rate of spending.

Appendix 2

2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan (\$000s) (Including Carry Forward Funding)

Project	Total Project Cost	Prior Year Carry Forward	2018	2019	2020	2021	2022	2018 - 2022	2023	2024	2025	2026	2027	2018 - 2027 Total
Health & Safety:														
Ashbridges Bay TP		40	1,684	5,215	2,063	1,585	31	10,618						10,618
Humber TP		207	2,219	3,380	23	23		5,852						5,852
Sub-Total		247	3,903	8,595	2,086	1,608	31	16,470						16,470
Legislated:														
Water Service Replacement	5,596	39,863	54,161	41,301	41,301	43,250	225,472	43,250	43,250	42,750	41,250	41,250	437,222	
Pumping Stations	59	3,519	5,883	9,025	8,481	7,090	34,057	6,123	4,305	8,700	6,925	6,250	66,360	
WT - Storage & Treatment	4	100	100				204						204	
Ashbridges Bay TP	1,284	57,631	110,922	129,648	111,475	105,992	516,952	55,175	37,716	35,696	65		645,604	
Highland Creek TP	222	6,549	11,105	14,019	8,532	50	40,477	400	1,000	6,500	11,300	10,550	70,227	
Humber TP	1	2,981	1,000				3,982						3,982	
RL Clark TP	8	2,875	2,750				5,633						5,633	
Island TP	2,969	1,111	2,800	15,900	18,980	8,250	50,010	200	200				50,410	
Sub-Total		10,143	114,629	188,721	209,893	188,769	164,632	876,787	105,148	86,471	93,646	59,540	58,050	1,279,642
State of Good Repair:														
Business & Technology			6	160		78	80	324						324
Linear Eng	3,447	81,966	89,622	79,783	75,594	73,886	404,298	75,061	65,894	66,758	75,725	69,487	757,223	
Sewer Rehabilitation	4,886	72,097	77,377	70,366	64,043	64,143	352,912	63,200	64,100	65,650	64,400	65,950	676,212	
Sewer Replacement	2,520	8,970	30,637	22,292	19,536	15,830	99,785	15,000	15,000	15,000	15,000	15,000	174,785	
WM Rehabilitation	1,951	78,588	75,699	71,284	72,364	73,475	373,361	75,300	73,800	73,400	73,300	73,800	742,961	
WM Replacement	12,812	41,622	119,020	106,268	106,850	95,253	481,825	95,000	95,000	95,000	95,000	95,000	956,825	
Water Service Replacement		1,613	1,613				3,226						3,226	
Pumping Stations	108	4,412	7,769	11,289	2,022	3,760	29,360	7,935	7,875	6,815	4,260	3,550	59,795	
Trunk Water Mains	3,402	8,197	6,244	3,340	2,100	14,450	37,733	25,000	27,400	21,750	25,575	25,525	162,983	
WT - Storage & Treatment	3,451	19,991	35,041	57,354	40,205	8,206	164,248	9,288	13,150	25,750	35,585	16,830	264,851	
Trunk Sewers & Pumping Stations	1,471	45,840	53,998	57,538	71,196	48,301	278,344	24,672	15,872	19,515	13,222	6,205	357,830	
Ashbridges Bay TP	7,099	88,776	142,292	142,291	131,164	107,266	618,888	127,216	100,750	134,794	141,077	69,999	1,192,724	
Highland Creek TP	811	14,147	51,121	45,999	24,115	12,654	148,847	10,140	16,840	23,455	24,890	7,862	232,034	
Humber TP	4,061	37,494	48,115	43,722	42,432	23,240	199,064	29,889	17,200	38,200	41,210	45,359	370,922	
RL Clark TP	1,225	7,425	9,407	4,480	260	235	23,032	200	200	200	200	200	24,032	
RC Harris TP	1,509	7,872	12,300	7,519	2,247	1,850	33,297	1,000	11,150	11,500	11,500	12,550	80,997	
FJ Horgan TP	166	1,809	1,724	1,522	825	678	6,724	202	202	200	200	200	7,728	
Island TP	1,132	7,498	11,094	7,981	382	625	28,712	3,275	525	375	525	375	33,787	
WWF-Implementation Projects	580	7,337	9,050	9,677	3,015	4,586	34,245	1,500	4,000	4,000	4,000	6,000	53,745	
WWF - Stream Restoration	1,773	2,827	9,548	9,621	8,386	10,729	42,884	7,584	4,696	11,541	16,321	14,292	97,318	
Yards & Facility		535	337	767	1,733	1,377	4,749	1,485	1,485	1,485	1,485	1,485	12,174	
Sub-Total		52,404	539,022	792,168	753,093	668,547	560,624	3,365,858	572,947	535,139	615,388	643,475	529,669	6,262,476
Service Improvements:														
Water Meter Program (AMR)	270	3,030					3,300							3,300
Basement Flooding	18,176	43,078	113,279	139,113	153,223	152,216	619,085	172,730	175,891	183,651	197,997	211,263	1,560,617	
Business & Technology	1,010	7,830	15,060	12,993	11,946	7,584	56,423	6,069	4,569	2,714	1,814	1,814	73,403	
Linear Eng	372	1,765	2,025	3,075	3,175	4,075	14,487	7,175	8,975	8,475	7,975	7,975	55,062	
Sewer Replacement	400	2,483	1,624				4,507						4,507	
Pumping Stations	10	231	512				753						753	
Trunk Water Mains	26	699	5,357	4,625	91	92	10,890						10,890	
WT - Storage & Treatment	5,363	5,927	10,063	3,425	33	14	24,825						24,825	
Ashbridges Bay TP	429	7,331	11,162	12,206	8,323	10,775	50,226	2,175	1,250	1,050	21,300	46,865	122,866	
Highland Creek TP	136	4,635	5,544	10,060	31,126	28,670	80,171	32,115	44,000	44,200	33,070	29,100	262,656	
Humber TP	410	1,676	6,641	7,990	8,974	9,177	34,868	7,500					42,368	
RC Harris TP	625	3,269	7,226	1,558			12,678						12,678	
FJ Horgan TP	207	713	2,108	2,325	1,010		6,363						6,363	
Island TP	478	1,052	1,644	833	695	650	5,352						5,352	
WTP-Plantwide	931	1,425	9,783	29,073	42,990	55,221	139,423	44,397	20,832	9,420	10,420	3,375	227,867	
WWF-Implementation Projects	2,030	34,706	107,132	127,754	123,806	106,881	502,309	134,315	151,381	149,240	140,690	201,470	1,279,405	
WWF-TRCA	200	13,832	14,791	14,104	14,219	14,337	71,483	15,958	16,082	16,209	16,339	16,473	152,544	
Yards & Facility	250	4,245	10,985	9,580	3,105	1,005	29,170	605	605	605	605	9,055	40,645	
Sub-Total		31,323	137,927	324,936	378,714	402,716	390,697	1,666,313	423,039	423,585	415,564	430,210	527,390	3,886,101
Growth Related:														
Linear Eng	310	252	807	150	150	150	1,819	150	150	150	150	150	150	2,569
New Connections		34,825	37,323	38,000	38,000	38,000	186,148	38,000	41,000	41,000	41,000	41,000	41,000	388,148
New Sewers	732	7,398	12,688	9,450	7,500	3,300	41,068	1,000	6,000	9,000	9,000	7,500	73,568	
WM Replacement	2,862	14,474	51,375	34,372	26,433	18,133	147,649	18,071	18,040	19,000	19,000	19,000	240,760	
Pumping Stations		4,625	6,411	4,907	3,430	4,265	23,638	1,975	10				25,623	
Trunk Water Mains	494	6,323	20,700	22,710	20,136	18,000	88,363	18,300	14,300	20,845	17,635	12,300	171,743	
WT - Storage & Treatment	13	174	140		1,000	2,000	3,327	3,000					6,327	
Trunk Sewers & Pumping Stations	47	499	1,310	3,000	9,300	28,150	42,306	52,400	52,400	52,400	52,200	51,900	303,606	
Ashbridges Bay TP	200	800	2,500	4,500	4,000	6,300	18,300	64,000	66,000	10,350	300	200	159,150	
Highland Creek TP	10		190	800	500		1,500						1,500	
FJ Horgan TP	8						49						49	
Water Efficiency Plan	75	370	445	445	445	445	2,225	520	520	520	520	520	4,825	
WWF-Implementation Projects			25	25	100	100	250	100	100	90			540	
Sub-Total		4,751	69,740	133,914	118,359	110,994	118,884	556,642	197,516	198,520	153,355	139,805	132,570	1,378,408
Total		98,868	865,221	1,448,334	1,462,145	1,372,634	1,234,868	6,482,070	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679	12,823,097

Appendix 3

2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Report Phase 2 - Program 10 Water Program Program Phase 2 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT000004 HORGAN W.T.P. EXPANSION																								
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	83	0	0	0	0	83	0	83	0	0	27	0	29	0	0	27	0	0	83
0	39	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	0	0	0	0	40	40	0	40	0	0	13	0	14	0	0	13	0	0	40
0	40	PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018 SC	CW	S3	05	-75	0	0	0	0	-75	0	-75	0	0	-24	0	-27	0	0	-24	0	0	-75
0	41	PLANT EXPANSION - CONSTRUCTION-2018 SC	CW	S3	05	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1
Sub-total						8	0	0	0	41	49	0	49	0	0	16	0	17	0	0	16	0	0	49
WAT000014 WATER STORAGE EXPANSION																								
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	37	0	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37
Sub-total						37	0	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37
WAT000018 CLARK RESIDUE MGMT. FACILITIES																								
0	24	RESIDUALS RETROFITS AND UPGRADES	CW	S2	02	2,841	700	0	0	0	3,541	0	3,541	0	0	0	0	3,541	0	0	0	0	0	3,541
0	30	RESIDUALS RETROFITS AND UPGRADES - 2018 SC	CW	S3	02	42	2,050	0	0	0	2,092	0	2,092	0	0	0	0	2,092	0	0	0	0	0	2,092
Sub-total						2,883	2,750	0	0	0	5,633	0	5,633	0	0	0	0	5,633	0	0	0	0	0	5,633
WAT000021 WATER EFFICIENCY PROGRAM																								
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	0	0	0	600	0	600	0	0	600	0	0	0	0	0	0	0	600
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	225	150	0	0	0	375	0	375	0	0	375	0	0	0	0	0	0	0	375
0	12	ANCILLARY COSTS	CW	S2	05	70	70	35	0	0	175	0	175	0	0	175	0	0	0	0	0	0	0	175
0	82	WEP - FUTURE -ICI	CW	S6	05	0	0	0	0	0	0	2,600	2,600	0	0	2,600	0	0	0	0	0	0	0	2,600
0	94	PUBLIC EDUCATION & PROMOTIONS - 2018 SC	CW	S3	05	-150	-75	75	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	95	ICI INDOOR WATER AUDIT - 2018 SC	CW	S3	05	0	0	300	300	300	900	0	900	0	0	900	0	0	0	0	0	0	0	900
0	96	ANCILLARY COSTS - 2018 SC	CW	S3	05	0	0	35	70	70	175	0	175	0	0	175	0	0	0	0	0	0	0	175
Sub-total						445	445	445	445	445	2,225	2,600	4,825	0	0	4,825	0	0	0	0	0	0	0	4,825
WAT000363 ENGINEERING STUDIES																								
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	183	0	0	0	0	183	0	183	0	0	0	0	128	0	0	55	0	0	183
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	0	0	0	0	147

Report Phase 2 - Program 10 Water Program Program Phase 2 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Water Program

						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
											Total	Total	Total					Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1
Sub-Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAT000363 ENGINEERING STUDIES																								
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	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	76	ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	CW	S3	04	-117	0	0	0	0	-117	0	-117	0	0	0	0	-117	0	0	0	0	0	-117
0	78	IMPROVED TREATMENT STUDIES - 2018 SC	CW	S3	04	-73	50	0	0	0	-23	0	-23	0	0	0	0	-16	0	0	-7	0	0	-23
Sub-total						244	150	50	50	50	544	250	794	0	0	0	0	746	0	0	48	0	0	794
WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW																								
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	85	65	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
0	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	350	200	200	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	41	SCADA UPGRADES FOR WWT	CW	S2	04	6,306	8,925	5,090	200	60	20,581	0	20,581	0	0	0	0	20,581	0	0	0	0	0	20,581
0	43	BUSINESS & TECHNICAL IMPROVEMENTS - 10 YEAR PLAN	CW	S6	04	0	150	100	1,281	1,254	2,785	6,065	8,850	0	0	0	0	8,850	0	0	0	0	0	8,850
0	61	RELIABILITY IMPROVEMENT PROGRAM - FUTURE YEARS	CW	S6	04	0	0	0	60	160	220	1,000	1,220	0	0	0	0	1,220	0	0	0	0	0	1,220
0	67	SCADA UPGRADES FOR WWT - II	CW	S2	04	1,361	710	584	0	0	2,655	0	2,655	0	0	0	0	2,655	0	0	0	0	0	2,655
0	83	NETWORK IMPROVEMENTS - 10 YEAR	CW	S6	04	0	1,650	1,230	1,340	2,520	6,740	4,940	11,680	0	0	0	0	11,680	0	0	0	0	0	11,680
0	85	NETWORK IMPROVEMENTS	CW	S2	04	1,510	0	0	0	0	1,510	0	1,510	0	0	0	0	1,510	0	0	0	0	0	1,510
0	86	BLANKET CONTRACT MGMT TOOL	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
0	87	PCS UPGRADES 2017	CW	S2	04	315	210	0	0	0	525	0	525	0	0	0	0	525	0	0	0	0	0	525
0	88	TRUNK RADIO - EQUIPMENT	CW	S2	03	1,400	0	0	0	0	1,400	0	1,400	0	0	0	0	1,400	0	0	0	0	0	1,400
0	97	SCADA SOFTWARE	CW	S2	04	276	220	220	220	0	936	0	936	0	0	0	0	936	0	0	0	0	0	936
0	98	SCADA UPGRADES FOR WWT-2018 SC	CW	S3	04	-3,843	-5,633	-2,038	3,680	3,125	-4,709	4,625	-84	0	0	0	0	-84	0	0	0	0	0	-84
0	99	SCADA UPGRADES FOR WWT - II -2018 SC	CW	S3	04	-95	67	77	0	0	49	0	49	0	0	0	0	49	0	0	0	0	0	49
0	100	TRUNK RADIO - EQUIPMENT-2018 SC	CW	S3	03	-1,400	160	0	78	80	-1,082	0	-1,082	0	0	0	0	-1,082	0	0	0	0	0	-1,082
0	101	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2018 SC	CW	S3	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6
0	102	RELIABILITY IMPROVEMENT PROGRAM - 2018 SC	CW	S3	04	-130	40	40	140	40	130	0	130	0	0	0	0	130	0	0	0	0	0	130
0	103	PCS LEGACY ALARM IMPROVEMENT - 2018 SC	CW	S3	04	-65	-45	0	0	0	-110	0	-110	0	0	0	0	-110	0	0	0	0	0	-110

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906334	BUSINESS SYSTEM INFRASTRUCTURE - PW																							
0	104	PCS UPGRADES FOR WATER SUPPLY - 2018 SC		CW	S3	04	17	0	0	0	0	17	0	0	0	0	17	0	0	0	0	0	17	
0	105	BLANKET CONTRACT MGMT TOOL - 2018 SC		CW	S3	04	-150	0	0	0	0	-150	0	0	0	0	-150	0	0	0	0	0	-150	
0	106	NETWORK IMPROVEMENTS - 2018 SC		CW	S3	04	-341	505	0	0	0	164	0	0	0	0	164	0	0	0	0	0	164	
0	107	PCS UPGRADES 2017 - 2018 SC		CW	S3	04	-210	0	105	0	0	-105	0	0	0	0	-105	0	0	0	0	0	-105	
0	108	SCADA SOFTWARE - 2018 SC		CW	S3	04	-96	-40	-40	-40	0	-216	0	0	0	0	-216	0	0	0	0	0	-216	
Sub-total						5,446	7,184	5,568	6,959	7,239	32,396	16,630	49,026	0	0	0	0	49,026	0	0	0	0	0	49,026
WAT906340	METERING & METER READING SYS																							
0	2	AUTOMATED METER READING SYSTEM		CW	S2	04	3,450	500	346	0	0	4,296	0	0	0	0	4,296	0	0	0	0	0	4,296	
0	19	AUTOMATED METER READING SYSTEM-2018 SC		CW	S3	04	-150	-500	-346	0	0	-996	0	0	0	0	-996	0	0	0	0	0	-996	
Sub-total						3,300	0	0	0	0	0	3,300	0	0	0	0	3,300	0	0	0	0	0	3,300	
WAT906467	AVENUE ROAD TRUNKMAIN REPLACEMENT																							
0	30	JOS - AVENUE WM CONS HI LEVEL TO LAWRENCE		CW	S2	03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WAT906468	HORGAN TRUNK MAIN EXPANSION																							
0	44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS		CW	S6	05	0	0	2,000	16,000	17,000	35,000	25,000	60,000	0	0	22,771	0	37,229	0	0	0	0	60,000
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering		CW	S4	05	400	1,000	1,100	1,700	700	4,900	1,680	6,580	0	0	2,498	0	4,082	0	0	0	0	6,580
Sub-total						400	1,000	3,100	17,700	17,700	39,900	26,680	66,580	0	0	25,269	0	41,311	0	0	0	0	0	66,580
WAT906470	ISLAND W.T.P. R&R																							
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING		CW	S2	02	1,629	1,000	650	850	200	4,329	100	4,429	0	0	0	0	4,429	0	0	0	0	4,429
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST		CW	S2	02	3,500	4,000	14,000	14,000	6,000	41,500	0	41,500	0	0	2,523	0	38,977	0	0	0	0	41,500
0	32	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2018 SC		CW	S3	02	-299	300	250	130	650	1,031	300	1,331	0	0	0	0	1,331	0	0	0	0	1,331
0	33	CHEMICAL & RESIDUALS MANAGEMENT CONST-2018 SC		CW	S3	02	-750	-2,500	1,000	4,000	1,400	3,150	0	3,150	0	0	191	0	2,959	0	0	0	0	3,150
Sub-total						4,080	2,800	15,900	18,980	8,250	50,010	400	50,410	0	0	2,714	0	47,696	0	0	0	0	0	50,410
WAT906481	DISTRICT WATERMAINS - NEW																							
0	1	NEW WM		CW	S2	05	500	0	0	0	0	500	0	500	0	0	500	0	0	0	0	0	500	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906481	DISTRICT WATERMAINS - NEW																							
0 3	NEW WM - 10 YEAR	CW	S6	05	0	0	0	500	500	1,000	2,500	3,500	0	0	3,500	0	0	0	0	0	0	0	3,500	
0 16	NEW WM -2018 SC	CW	S3	05	-490	50	500	0	0	60	0	60	0	0	60	0	0	0	0	0	0	0	60	
Sub-total					10	50	500	500	500	1,560	2,500	4,060	0	0	4,060	0	0	0	0	0	0	0	4,060	
WAT906483	PW ENGINEERING																							
0 2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,657	3,000	585	0	0	7,242	0	7,242	0	0	0	0	7,242	0	0	0	0	0	7,242	
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	2,110	1,455	1,050	1,055	1,100	6,770	900	7,670	0	0	1,919	0	2,715	0	0	3,036	0	0	7,670	
0 7	EASEMENT ACQUISITION	CW	S2	04	700	0	0	0	0	700	0	700	0	0	0	0	700	0	0	0	0	0	700	
0 22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	866	1,418	1,000	1,000	0	4,284	0	4,284	0	0	0	0	4,284	0	0	0	0	0	4,284	
0 37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,472	1,000	1,000	1,000	1,000	5,472	2,500	7,972	0	0	1,993	0	5,979	0	0	0	0	0	7,972	
0 38	WATERMAIN ASSET PLANNING - 10 YEAR	CW	S6	04	0	35	75	175	575	860	2,575	3,435	0	0	861	0	2,574	0	0	0	0	0	3,435	
0 52	JOS UPDATE PHASE II	CW	S2	05	597	150	0	0	0	747	0	747	0	0	374	0	0	0	0	373	0	0	747	
0 53	EASEMENT ACQUISITION - 10 YEAR	CW	S6	04	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 70	CAPITAL PROG & FACILITY ASSET PLANNING-2018 SC	CW	S3	03	-2,197	903	1,715	0	0	421	0	421	0	0	0	0	421	0	0	0	0	0	421	
0 71	WATERMAIN ASSET PLANNING-2018 SC	CW	S3	03	-835	1,224	1,000	0	0	1,389	895	2,284	0	0	571	0	808	0	0	905	0	0	2,284	
0 72	EASEMENT ACQUISITION-2018 SC	CW	S3	04	-10	690	0	0	0	680	0	680	0	0	0	0	680	0	0	0	0	0	680	
0 73	WATER LOSS REDUCTION STRATEGY-2018 SC	CW	S3	03	-399	-529	-571	0	1,000	-499	1,000	501	0	0	0	0	501	0	0	0	0	0	501	
0 74	JOS UPDATE PHASE II-2018 SC	CW	S3	05	-297	507	0	0	0	210	0	210	0	0	105	0	-1	0	0	106	0	0	210	
0 75	ASSET MGMT SYSTEM IMPLEMENTATION - 2018 SC	CW	S3	04	-172	300	0	0	0	128	0	128	0	0	32	0	96	0	0	0	0	0	128	
Sub-total					5,492	10,153	6,354	3,730	4,175	29,904	10,370	40,274	0	0	5,855	0	29,999	0	0	4,420	0	0	40,274	
WAT906749	DOWNTOWN W/M ENHANCEMENT																							
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	10	0	0	0	0	10	0	10	0	0	2	0	0	0	0	8	0	0	10	
0 47	JOS - GERRARD ST WM - ENGINEERING - 2018 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	-1	0	0	0	0	-3	0	0	-4	
Sub-total					6	0	0	0	0	6	0	6	0	0	1	0	0	0	0	5	0	0	6	
WAT906752	TRANSMISSION R&R																							
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	273	260	253	0	0	786	0	786	0	0	0	0	786	0	0	0	0	0	786	

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906752 TRANSMISSION R&R																								
0	50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	0	0	1,250	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,276	333	88	0	0	1,697	0	1,697	0	0	0	0	1,697	0	0	0	0	0	1,697
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,742	358	442	0	0	2,542	0	2,542	0	0	0	0	2,542	0	0	0	0	0	2,542
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	6,110	991	0	0	0	7,101	0	7,101	0	0	0	0	7,101	0	0	0	0	0	7,101
0	78	TRUNK WATERMAIN REHAB-2018 SC	CW	S3	03	81	0	67	250	250	648	0	648	0	0	0	0	648	0	0	0	0	0	648
0	79	CAST IRON TRUNK REPLC - PHASE 3 - ENG-2018 SC	CW	S3	03	-703	693	265	0	0	255	0	255	0	0	0	0	255	0	0	0	0	0	255
0	80	CAST IRON TRUNK REPLC - PHASE 3 - CONSTR - 2018 SC	CW	S3	03	-169	509	0	0	0	340	0	340	0	0	0	0	340	0	0	0	0	0	340
0	81	CAST IRON TRUNK REPLC - PHASE 2 - 2018 SC	CW	S3	03	-358	100	125	0	0	-133	0	-133	0	0	0	0	-133	0	0	0	0	0	-133
Sub-total						8,252	3,244	1,240	250	250	13,236	1,250	14,486	0	0	0	0	14,486	0	0	0	0	0	14,486
WAT906900 TRANSMISSION R&R																								
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	0	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	7,040	7,040	0	0	0	0	7,040	0	0	0	0	0	7,040
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	8,666	8,120	10	17	0	16,813	0	16,813	0	0	0	0	16,813	0	0	0	0	0	16,813
0	43	DOWNSVIEW PS - Construction	CW	S6	05	0	0	0	1,000	2,000	3,000	3,000	6,000	0	0	2,278	0	3,722	0	0	0	0	0	6,000
0	44	PUMPING STATION REHAB - Engineering	CW	S6	03	0	500	900	750	560	2,710	7,460	10,170	0	0	0	0	10,170	0	0	0	0	0	10,170
0	45	PUMPING STATION REHAB - Construction	CW	S6	03	0	0	4,500	4,500	1,000	10,000	38,600	48,600	0	0	0	0	48,600	0	0	0	0	0	48,600
0	48	ROSEHILL RESERVOIR	CW	S2	03	12,018	10,350	10,150	3,019	17	35,554	17	35,571	0	0	0	0	35,571	0	0	0	0	0	35,571
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	293	0	0	0	0	293	0	293	0	0	5	0	288	0	0	0	0	0	293
0	50	PARKDALE PS REHABILITATION	CW	S2	03	4,354	2,425	329	8	0	7,116	0	7,116	0	0	0	0	7,116	0	0	0	0	0	7,116
0	51	ROSEHILL PS REHAB	CW	S2	03	3,455	1,164	24	25	0	4,668	0	4,668	0	0	0	0	4,668	0	0	0	0	0	4,668
0	67	PUMP REPLACEMENTS	CW	S2	03	1,687	100	0	0	0	1,787	0	1,787	0	0	0	0	1,787	0	0	0	0	0	1,787
0	70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0	0	0	0	0	0	3,750	3,750	0	0	0	0	3,750	0	0	0	0	0	3,750
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S2	03	330	300	650	350	450	2,080	1,700	3,780	0	0	0	0	3,780	0	0	0	0	0	3,780
0	74	PS REHAB - PHASE 2 - ENG	CW	S2	03	680	600	1,000	500	400	3,180	1,600	4,780	0	0	0	0	4,780	0	0	0	0	0	4,780

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906900 TRANSMISSION R&R																								
0	83	TRANS FACILITIES REHAB-2018 SC	CW	S3	03	0	750	750	750	750	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	3,000	
0	84	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2018SC	CW	S3	03	-866	-326	970	0	0	-222	0	-222	0	0	0	0	-222	0	0	0	0	-222	
0	85	ROSEHILL RESERVOIR-2018 SC	CW	S3	03	-7,643	2,175	6,575	5,306	0	6,413	0	6,413	0	0	0	0	6,413	0	0	0	0	6,413	
0	86	DOWNSVIEW PS & CONNECTOR EA-2018 SC	CW	S3	05	-143	140	0	0	0	-3	0	-3	0	0	105	0	-108	0	0	0	0	-3	
0	87	PARKDALE PS REHABILITATION-2018 SC	CW	S3	03	-33	-350	-132	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	-515	
0	88	PUMP REPLACEMENTS-2018 SC	CW	S3	03	163	50	0	0	0	213	0	213	0	0	0	0	213	0	0	0	0	213	
0	89	RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	20	200	38	230	-440	48	-1,693	-1,645	0	0	0	0	-1,645	0	0	0	0	-1,645	
0	90	PS REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	65	800	216	450	-376	1,155	-1,576	-421	0	0	0	0	-421	0	0	0	0	-421	
0	91	SCARBOROUGH RESERVOIR SURGE TANK	CW	S6	03	0	350	4,600	4,475	545	9,970	30	10,000	0	0	0	0	10,000	0	0	0	0	10,000	
0	92	RESERVOIR REHAB - PHASE 2 - CONSTRUCTION	CW	S6	03	0	1,500	9,500	8,000	0	19,000	0	19,000	0	0	0	0	19,000	0	0	0	0	19,000	
0	93	RESERVOIR REHAB - FUTURE - CONSTRUCTION	CW	S6	03	0	0	0	0	0	0	35,500	35,500	0	0	0	0	35,500	0	0	0	0	35,500	
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	CW	S4	03	50	4,000	10,950	6,500	0	21,500	0	21,500	0	0	0	0	21,500	0	0	0	0	21,500	
0	95	ROSEHILL PS REHAB - 2018 SC	CW	S3	03	-565	164	24	25	0	-352	0	-352	0	0	0	0	-352	0	0	0	0	-352	
Sub-total						23,281	33,012	51,054	35,905	4,906	148,158	95,428	243,586	0	0	2,388	0	241,198	0	0	0	0	243,586	
WAT906902 HARRIS W.T.P. R&R																								
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	534	0	0	0	0	534	0	534	0	0	0	0	534	0	0	0	0	534	
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,445	4,281	0	0	0	9,726	0	9,726	0	0	0	0	9,726	0	0	0	0	9,726	
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,948	65	0	0	0	4,013	0	4,013	0	0	0	0	4,013	0	0	0	0	4,013	
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	8,315	101	10	13	0	8,439	0	8,439	0	0	0	0	8,439	0	0	0	0	8,439	
0	70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	0	150	0	150	300	150	450	0	0	0	0	450	0	0	0	0	450	
0	71	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	0	0	0	0	2,500	0	0	0	0	2,500	
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	100	550	550	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	1,200	
0	80	FACILITY INFRASTRUCTURE REHAB	CW	S6	03	0	1,000	1,000	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	2,000	
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	4,652	144	7	0	0	4,803	0	4,803	0	0	0	0	4,803	0	0	0	0	4,803	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906902 HARRIS W.T.P. R&R																								
0 85	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	0	0	450	450	45,050	45,500	0	0	0	0	45,500	0	0	0	0	0	45,500	
0 98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	150	950	0	950	0	0	0	0	950	0	0	0	0	0	950	
0 99	CONTROL ROOM RELOCATION	CW	S2	04	525	0	0	0	0	525	0	525	0	0	0	0	525	0	0	0	0	0	525	
0 100	EMERGENCY STANDBY POWER	CW	S2	04	1,370	405	0	0	0	1,775	0	1,775	0	0	0	0	1,775	0	0	0	0	0	1,775	
0 102	PHONE SYSTEM UPGRADE	CW	S2	03	70	510	0	0	0	580	0	580	0	0	0	0	580	0	0	0	0	0	580	
0 106	BUILDING ENVELOPE REHAB	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10	
0 112	TRAVELLING SCREENS 3 & 5 UPGRADE	CW	S2	03	300	450	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0 119	ENERGY OPTIMIZATION	CW	S4	04	50	1,150	1,000	0	0	2,200	0	2,200	0	0	0	0	2,200	0	0	0	0	0	2,200	
0 120	BUILDING ENVELOPE REHAB-2018 SC	CW	S3	03	0	136	0	0	0	136	0	136	0	0	0	0	136	0	0	0	0	0	136	
0 121	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	-34	500	500	500	500	1,966	0	1,966	0	0	0	0	1,966	0	0	0	0	0	1,966	
0 122	HVAC REHAB CONSTRUCTION-2018 SC	CW	S3	03	-4,300	473	4,241	0	0	414	0	414	0	0	0	0	414	0	0	0	0	0	414	
0 123	HARRIS FILTERS REHABILITATION - PILOT-2018 SC	CW	S3	03	-1,727	5,135	948	24	0	4,380	0	4,380	0	0	0	0	4,380	0	0	0	0	0	4,380	
0 124	LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2018 SC	CW	S3	04	-2,943	3,128	0	0	0	185	0	185	0	0	0	0	185	0	0	0	0	0	185	
0 125	HERITAGE MASONRY&ARCHITECTURAL RESTORATION-2018 SC	CW	S3	03	0	0	0	0	50	50	0	50	0	0	0	0	50	0	0	0	0	0	50	
0 126	CONTROL ROOM RELOCATION-2018 SC	CW	S3	04	-115	1,079	204	0	0	1,168	0	1,168	0	0	0	0	1,168	0	0	0	0	0	1,168	
0 127	EMERGENCY STANDBY POWER-2018 SC	CW	S3	04	355	1,320	347	0	0	2,022	0	2,022	0	0	0	0	2,022	0	0	0	0	0	2,022	
0 128	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2018 SC	CW	S3	03	-3,010	409	0	0	0	-2,601	0	-2,601	0	0	0	0	-2,601	0	0	0	0	0	-2,601	
0 129	EXTERIOR SECURITY LIGHTING UPGRADES - 2018 SC	CW	S3	03	-100	-550	-450	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 130	TRAVELLING SCREENS 3 & 5 UPGRADE - 2018 SC	CW	S3	03	-300	-450	300	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 131	PHONE SYSTEM UPGRADE - 2018 SC	CW	S3	03	-70	-510	70	510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total					13,275	19,526	9,077	2,247	1,850	45,975	47,700	93,675	0	0	0	0	93,675	0	0	0	0	0	93,675	
WAT906903 FJ HORGAN W.T.P. R&R																								
0 5	FACILITY & PROCESS UPGRADES	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0	0	0	0	0	671	
0 8	RAW WATER PUMP UGRADES	CW	S2	03	21	0	0	0	0	21	0	21	0	0	0	0	21	0	0	0	0	0	21	

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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												
							2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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&R</u>																										
0	15	REPLACEMENT OF MCCS	CW	S2	03	954	250	227	10	9	1,450	0	1,450	0	0	0	0	1,450	0	0	0	0	0	1,450		
0	28	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	1,000	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000		
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	2,242	1,950	10	10	0	4,212	0	4,212	0	0	0	0	4,212	0	0	0	0	0	4,212		
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	570	280	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	850		
0	33	OFFICE RENOVATION	CW	S6	03	0	100	675	575	475	1,825	4	1,829	0	0	0	0	1,829	0	0	0	0	0	1,829		
0	34	TREATED WATER PUMP UPGRADES	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20		
0	59	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	16	1,174	550	200	200	2,140	0	2,140	0	0	0	0	2,140	0	0	0	0	0	2,140		
0	60	REPLACEMENT OF MCCS-2018 SC	CW	S3	03	-87	0	70	40	-6	17	0	17	0	0	0	0	17	0	0	0	0	0	17		
0	61	RAW WATER PUMP UGRADES-2018 SC	CW	S3	03	400	200	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600		
0	62	ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2018 SC	CW	S3	04	10	320	690	0	0	1,020	0	1,020	0	0	0	0	1,020	0	0	0	0	0	1,020		
0	63	TREATED WATER PUMP UPGRADES-2018 SC	CW	S3	04	0	203	0	0	0	203	0	203	0	0	0	0	203	0	0	0	0	0	203		
0	64	BUILDING FIRE, HVAC, LIGHTING UPGRADES-2018 SC	CW	S3	04	-1,922	-645	1,625	1,000	0	58	0	58	0	0	0	0	58	0	0	0	0	0	58		
Sub-total						2,895	3,832	3,847	1,835	678	13,087	1,004	14,091	0	0	0	0	14,091	0	0	0	0	0	14,091		
<u>WAT906906 TRUNK WATERMAIN EXPANSION</u>																										
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	625	375	183	11	0	1,194	0	1,194	0	0	573	0	350	0	0	271	0	0	1,194		
0	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S2	05	13,880	12,000	8,000	0	0	33,880	0	33,880	0	0	16,231	0	9,952	0	0	7,697	0	0	33,880		
0	70	JOS WM SCAR PS -ST CLAIR & MIDLAND - ENG -2018 SC	CW	S3	05	-233	325	427	425	0	944	0	944	0	0	451	0	278	0	0	215	0	0	944		
0	71	JOS WM Scar PS- St. Clair&Midland (CONST)-2018 SC	CW	S3	05	-7,855	7,000	11,000	2,000	0	12,145	0	12,145	0	0	5,817	0	3,568	0	0	2,760	0	0	12,145		
Sub-total						6,417	19,700	19,610	2,436	0	48,163	0	48,163	0	0	23,072	0	14,148	0	0	10,943	0	0	48,163		
<u>WAT906914 SWITCH GEAR TRANSFORMER</u>																										
0	13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	1,094	0	0	0	0	1,094	0	1,094	0	0	0	0	1,094	0	0	0	0	0	1,094		
0	29	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S4	03	300	1,000	6,250	5,250	5,250	18,050	7,925	25,975	0	0	0	0	25,975	0	0	0	0	0	25,975		
0	31	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2018 SC	CW	S3	03	-1,083	1,169	0	0	0	86	0	86	0	0	0	0	86	0	0	0	0	0	86		
Sub-total						311	2,169	6,250	5,250	5,250	19,230	7,925	27,155	0	0	0	0	27,155	0	0	0	0	0	27,155		
<u>WAT906917 TRANSMISSION OPERATIONS OPTIMIZER</u>																										

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906917 TRANSMISSION OPERATIONS OPTIMIZER</u>																							
0 8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	282	0	0	0	0	282	0	282	0	0	0	0	94	0	0	188	0	0	282
0 13	TRANSMISSION OPERATIONS OPTIMIZER-2018 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	0	0	0	1	0	0	2	0	0	3
Sub-total					285	0	0	0	0	285	0	285	0	0	0	0	95	0	0	190	0	0	285
<u>WAT906918 WATER SUSTAINABILITY PROGRAM</u>																							
0 1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	8,675	5,271	10	0	0	13,956	0	13,956	0	0	849	0	8,906	0	0	4,201	0	0	13,956
0 12	STANDBY POWER - ROSEHILL	CW	S2	04	6,116	5,100	1,803	13	14	13,046	0	13,046	0	0	783	0	8,349	0	0	3,914	0	0	13,046
0 21	STANDBY POWER - ROSEHILL-2018 SC	CW	S3	04	-978	-1,000	-1,760	20	0	-3,718	0	-3,718	0	0	-223	0	-2,379	0	0	-1,116	0	0	-3,718
0 22	WATER SUSTAINABILITY STANDBY POWER ELLESMERE2018SC	CW	S3	04	-2,948	642	3,372	0	0	1,066	0	1,066	0	0	64	0	681	0	0	321	0	0	1,066
Sub-total					10,865	10,013	3,425	33	14	24,350	0	24,350	0	0	1,473	0	15,557	0	0	7,320	0	0	24,350
<u>WAT906919 RL CLARK W.T.P. R&R</u>																							
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	610	500	1,454	60	35	2,659	0	2,659	0	0	161	0	2,498	0	0	0	0	0	2,659
0 12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	1,000	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	9,955	10,032	3,000	0	0	22,987	0	22,987	0	0	1,397	0	21,590	0	0	0	0	0	22,987
0 44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	257	20	0	0	0	277	0	277	0	0	0	0	277	0	0	0	0	0	277
0 72	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	0	200	200	200	200	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0 73	PROCESS EQUIPMENT UPGRADE ENGINEERING-2018 SC	CW	S3	03	-220	-126	326	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	0	-20
0 74	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2018 SC	CW	S3	03	-1,920	-1,311	-500	0	0	-3,731	0	-3,731	0	0	-227	0	-3,504	0	0	0	0	0	-3,731
0 75	EVACUATION AND COMMUNICATION SYSTEMS-2018 SC	CW	S3	03	-232	92	0	0	0	-140	0	-140	0	0	0	0	-140	0	0	0	0	0	-140
Sub-total					8,650	9,407	4,480	260	235	23,032	1,000	24,032	0	0	1,331	0	22,701	0	0	0	0	0	24,032
<u>WAT906930 DIST W/M REPLACEMENT</u>																							
0 4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	0	72,000	95,000	95,000	262,000	475,000	737,000	0	0	114,638	0	622,362	0	0	0	0	0	737,000
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	69	0	0	0	0	69	0	69	0	0	0	0	69	0	0	0	0	0	69
0 42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	0	11,800	17,100	17,300	46,200	90,500	136,700	0	0	42,526	0	94,174	0	0	0	0	0	136,700

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	275	0	0	0	0	275	0	275	0	0	43	0	232	0	0	0	0	0	275		
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	545	1,724	1,494	1,494	0	5,257	0	5,257	0	0	0	0	5,257	0	0	0	0	0	5,257		
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	106	0	0	0	0	106	0	106	0	0	33	0	73	0	0	0	0	0	106		
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,075	0	0	0	0	4,075	0	4,075	0	0	633	0	3,442	0	0	0	0	0	4,075		
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	6	0	0	0	0	6	0	6	0	0	2	0	4	0	0	0	0	0	6		
0 73	DIST W/M REPLACEMENT - 2016	CW	S2	03	5,163	374	0	0	0	5,537	0	5,537	0	0	861	0	4,676	0	0	0	0	0	5,537		
0 74	WATERMAIN UPGRADES - 2016	CW	S2	05	2,863	0	0	0	0	2,863	0	2,863	0	0	891	0	1,972	0	0	0	0	0	2,863		
0 83	DIST W/M REPLACEMENT - 2017	CW	S2	03	27,294	7,272	0	0	0	34,566	0	34,566	0	0	5,375	0	29,191	0	0	0	0	0	34,566		
0 84	WATERMAIN UPGRADES - 2017	CW	S2	05	4,808	1,476	0	0	0	6,284	0	6,284	0	0	1,954	0	4,330	0	0	0	0	0	6,284		
0 85	DIST W/M REPLACEMENT - 2018	CW	S4	03	37,555	41,704	11,690	928	0	91,877	0	91,877	0	0	14,287	0	77,590	0	0	0	0	0	91,877		
0 86	WATERMAIN UPGRADES - 2018	CW	S4	05	10,349	12,027	2,921	0	0	25,297	0	25,297	0	0	7,871	0	17,426	0	0	0	0	0	25,297		
0 98	DIST W/M REPLC - 2012-2018 SC	CW	S3	03	-48	133	0	0	0	85	0	85	0	0	0	0	85	0	0	0	0	0	85		
0 100	2013 WM REPLC - UPGRADES-2018 SC	CW	S3	05	-101	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0 101	DIST W/M REPLACEMENT - 2014-2018 SC	CW	S3	03	-255	365	0	0	0	110	0	110	0	0	17	0	93	0	0	0	0	0	110		
0 102	WATERMAIN UPGRADES - 2014-2018 SC	CW	S3	05	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
0 103	WATERMAIN REPLACEMENT - METROLINX-2018 SC	CW	S3	03	-351	-634	302	962	0	279	0	279	0	0	0	0	279	0	0	0	0	0	279		
0 104	DIST W/M REPLACEMENT - 2015-2018 SC	CW	S3	03	-2,677	2,358	0	0	0	-319	0	-319	0	0	-49	0	-270	0	0	0	0	0	-319		
0 105	WATERMAIN UPGRADES - 2015-2018 SC	CW	S3	05	0	265	0	0	0	265	0	265	0	0	82	0	183	0	0	0	0	0	265		
0 106	DIST W/M REPLACEMENT - 2016-2018 SC	CW	S3	03	-4,286	7,825	0	0	0	3,539	0	3,539	0	0	550	0	2,989	0	0	0	0	0	3,539		
0 107	WATERMAIN UPGRADES - 2016-2018 SC	CW	S3	05	-2,458	2,626	0	0	0	168	0	168	0	0	52	0	116	0	0	0	0	0	168		
0 108	DIST W/M REPLACEMENT - 2017-2018 SC	CW	S3	03	-15,598	77	15	0	0	-15,506	0	-15,506	0	0	-2,411	0	-13,095	0	0	0	0	0	-15,506		
0 109	WATERMAIN UPGRADES - 2017-2018 SC	CW	S3	05	-2,952	-320	0	0	0	-3,272	0	-3,272	0	0	-1,017	0	-2,255	0	0	0	0	0	-3,272		
0 110	DIST W/M REPLACEMENT - 2019	CW	S6	03	0	55,201	18,616	8,466	253	82,536	0	82,536	0	0	12,834	0	69,702	0	0	0	0	0	82,536		

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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	111	WATERMAIN UPGRADES - 2019		CW	S6	05							0	0	11,243	0	24,899	0	0	0	0	0	36,142
Sub-total						64,387	156,588	127,206	127,638	112,625	588,444	565,500	1,153,944	0	0	210,415	0	943,529	0	0	0	0	1,153,944
WAT906932 DIST W/M REHABILITATION																							
0	3	10 YEAR WATERMAIN REHABILITATION		CW	S6	03							0	0	0	0	533,100	0	0	0	0	533,100	
0	4	HYDRANT & VALVE REPAIR		CW	S2	03	2,516	0	0	0	2,516	0	2,516	0	0	0	2,516	0	0	0	0	2,516	
0	6	WATERMAIN STRUCTURAL LINING		CW	S2	03	54,868	24,590	9,577	4,575	450	94,060	57	94,117	0	0	0	94,117	0	0	0	0	94,117
0	7	CATHODIC PROTECTION		CW	S2	03	3,033	0	0	0	0	3,033	0	3,033	0	0	0	3,033	0	0	0	0	3,033
0	30	CUT REPAIR		CW	S2	03	3,300	0	0	0	0	3,300	0	3,300	0	0	0	3,300	0	0	0	0	3,300
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	34,400	0	0	0	0	34,400
0	55	HYDRANT & VALVE REPAIR-2018 SC		CW	S3	03	-1,536	1,000	0	0	0	-536	0	-536	0	0	0	-536	0	0	0	0	-536
0	56	CUT REPAIR-2018 SC		CW	S3	03	249	3,549	0	0	0	3,798	0	3,798	0	0	0	3,798	0	0	0	0	3,798
0	57	WATERMAIN STRUCTURAL LINING-2018 SC		CW	S3	03	17,588	39,273	9,017	-4,336	-275	61,267	-57	61,210	0	0	0	61,210	0	0	0	0	61,210
0	58	CATHODIC PROTECTION-2018 SC		CW	S3	03	336	4,612	500	0	0	5,448	0	5,448	0	0	0	5,448	0	0	0	0	5,448
0	59	PRV INSPECTION & RENEWAL		CW	S4	03	110	1,600	565	0	0	2,275	0	2,275	0	0	0	2,275	0	0	0	0	2,275
0	60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX		CW	S4	03	75	75	75	75	0	300	0	300	0	0	0	300	0	0	0	0	300
Sub-total						80,539	75,699	71,284	72,364	73,475	373,361	369,600	742,961	0	0	0	0	742,961	0	0	0	0	742,961
WAT906934 DIST WATER SERVICE REPAIR																							
0	4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM		CW	S6	02	0	0	5,350	10,250	10,250	25,850	51,250	77,100	0	0	0	77,100	0	0	0	0	77,100
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	133,000	0	0	0	0	133,000
0	12	WATER SERVICE REPAIR - LEAD PROGRAM		CW	S2	02	11,541	4,450	200	0	0	16,191	0	16,191	0	0	0	16,191	0	0	0	0	16,191
0	19	2010 WSR		CW	S2	02	215	0	0	0	0	215	0	215	0	0	0	215	0	0	0	0	215
0	32	WSR CUT REPAIR		CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	0	0	0	1,500	0	0	0	0	1,500
0	39	2012 WATER SERVICE REPLC - SOGR		CW	S2	02	4	0	0	0	0	4	0	4	0	0	0	4	0	0	0	0	4
0	41	2013 WSR		CW	S2	02	111	0	0	0	0	111	0	111	0	0	0	111	0	0	0	0	111

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906934	DIST WATER SERVICE REPAIR																							
0 45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	0	3,000	3,000	3,000	9,000	15,000	24,000	0	0	0	0	24,000	0	0	0	0	0	24,000	
0 52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	273	0	0	0	0	273	0	273	0	0	0	0	273	0	0	0	0	0	273	
0 59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	1,014	0	0	0	0	1,014	0	1,014	0	0	0	0	1,014	0	0	0	0	0	1,014	
0 68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	5,783	0	0	0	0	5,783	0	5,783	0	0	0	0	5,783	0	0	0	0	0	5,783	
0 71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,500	7,000	2,000	0	0	16,500	0	16,500	0	0	0	0	16,500	0	0	0	0	0	16,500	
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	50	50	2,000	2,100	5,500	7,600	0	0	0	0	7,600	0	0	0	0	0	7,600	
0 74	REPLACEMENT OF FROZEN SERVICES	CW	S2	02	22	0	0	0	0	22	0	22	0	0	0	0	22	0	0	0	0	0	22	
0 75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	
0 78	2011 WSR	CW	S2	02	15	0	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15	
0 84	2017 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11,167	3,000	0	0	0	14,167	0	14,167	0	0	0	0	14,167	0	0	0	0	0	14,167	
0 85	2018 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	7,000	10,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000	
0 93	WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC	CW	S3	02	-1,159	5,039	4,701	1	0	8,582	0	8,582	0	0	0	0	8,582	0	0	0	0	0	8,582	
0 94	2010 WSR-2018 SC	CW	S3	02	-215	0	0	0	0	-215	0	-215	0	0	0	0	-215	0	0	0	0	0	-215	
0 96	2012 WATER SERVICE REPLC - SOGR-2018 SC	CW	S3	02	0	60	0	0	0	60	0	60	0	0	0	0	60	0	0	0	0	0	60	
0 97	WSR CUT REPAIR-2018 SC	CW	S3	03	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	0	0	0	0	0	1,726	
0 98	2013 WSR-2018 SC	CW	S3	02	-100	140	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	0	40	
0 99	2014 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-260	148	0	0	0	-112	0	-112	0	0	0	0	-112	0	0	0	0	0	-112	
0 100	2015 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-478	425	0	0	0	-53	0	-53	0	0	0	0	-53	0	0	0	0	0	-53	
0 101	2016 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-4,954	3,424	0	0	0	-1,530	0	-1,530	0	0	0	0	-1,530	0	0	0	0	0	-1,530	
0 102	WATER SERVICE REPAIR - WM REHAB PROGRAM-2018 SC	CW	S3	02	8,178	6,150	2,000	2,000	0	18,328	0	18,328	0	0	0	0	18,328	0	0	0	0	0	18,328	
0 103	WSR CUT REPAIRS WITH WM SL-2018 SC	CW	S3	02	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	0	0	0	0	0	1,726	
0 104	2017 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-1,811	2,472	0	0	0	661	0	661	0	0	0	0	661	0	0	0	0	0	661	
0 105	REPLACEMENT OF FROZEN SERVICES-2018 SC	CW	S3	02	0	240	0	0	0	240	0	240	0	0	0	0	240	0	0	0	0	0	240	

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906934	DIST WATER SERVICE REPAIR																						
0 106	REPLACEMENT OF FROZEN SERVICES	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	2,000	
0 107	REPLACEMENT OF FROZEN SERVICES - 2018 SC	CW	S3	03	-1,000	-1,000	0	0	0	-2,000	0	-2,000	0	0	0	0	-2,000	0	0	0	0	-2,000	
0 108	2019 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	20,000	
Sub-total					47,072	55,774	41,301	41,301	43,250	228,698	211,750	440,448	0	0	0	0	440,448	0	0	0	0	440,448	
WAT906935	NEW SERVICE CONNECTIONS																						
0 2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,200	0	0	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0	0	0	5,200	
0 7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	30,000	0	0	0	0	30,000	0	30,000	0	0	0	0	30,000	0	0	0	0	30,000	
0 14	NEW SERVICE CONNECTIONS - 10 Year	CW	S6	05	0	25,000	32,000	32,000	32,000	121,000	172,000	293,000	0	0	0	0	293,000	0	0	0	0	293,000	
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	48,000	
0 24	NEW SERVICE CONNECTIONS - SITE SERVICING-2018 SC	CW	S3	05	-552	6,946	0	0	0	6,394	0	6,394	0	0	0	0	6,394	0	0	0	0	6,394	
0 25	NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	CW	S3	05	177	5,377	0	0	0	5,554	0	5,554	0	0	0	0	5,554	0	0	0	0	5,554	
Sub-total					34,825	37,323	38,000	38,000	38,000	186,148	202,000	388,148	0	0	0	0	388,148	0	0	0	0	388,148	
WAT906951	ENGINEERING																						
0 2	CONSULTING FEES	CW	S2	03	11,709	10,352	6,702	3,761	1,939	34,463	4,922	39,385	0	0	0	0	39,385	0	0	0	0	39,385	
0 5	10 YEAR ENGINEERING	CW	S6	03	0	32,033	39,084	46,568	47,849	165,534	281,692	447,226	0	0	0	0	447,226	0	0	0	0	447,226	
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	20,628	
0 63	ROAD RESTORATION	CW	S2	03	2,000	0	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	2,000	
0 69	LEGAL SERVICES SALARIES	CW	S3	03	414	0	0	0	0	414	0	414	0	0	0	0	414	0	0	0	0	414	
0 70	ECS SALARIES	CW	S3	03	14,592	0	0	0	0	14,592	0	14,592	0	0	0	0	14,592	0	0	0	0	14,592	
0 71	PPFA SALARIES	CW	S3	03	2,416	0	0	0	0	2,416	0	2,416	0	0	0	0	2,416	0	0	0	0	2,416	
0 74	PMMD SALARIES	CW	S3	03	310	0	0	0	0	310	0	310	0	0	0	0	310	0	0	0	0	310	
0 75	ROAD RESTORATION-2018 SC	CW	S3	03	669	2,621	2,151	0	0	5,441	0	5,441	0	0	0	0	5,441	0	0	0	0	5,441	
0 76	CONSULTING FEES-2018 SC	CW	S3	03	6,982	4,673	1,665	617	561	14,498	-1,650	12,848	0	0	0	0	12,848	0	0	0	0	12,848	

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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										
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAT906951 ENGINEERING</u>																							
0	77	TW SALARIES	CW	S4	03	1,930	0	0	0	0	1,930	0	1,930	0	0	0	0	1,930	0	0	0	0	1,930
Sub-total						41,022	51,971	51,894	53,238	52,641	250,766	296,424	547,190	0	0	0	0	547,190	0	0	0	0	547,190
<u>WAT906977 ISLAND W.T.P. R&R</u>																							
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	458	0	0	0	0	458	0	458	0	0	0	0	458	0	0	0	0	458
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	3,916	750	0	0	0	4,666	0	4,666	0	0	0	0	4,666	0	0	0	0	4,666
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	56	0	0	0	0	56	0	56	0	0	3	0	53	0	0	0	0	56
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	205	700	2,750	0	0	3,655	0	3,655	0	0	0	0	3,655	0	0	0	0	3,655
0	50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	3,559	2,479	7	0	0	6,045	0	6,045	0	0	0	0	6,045	0	0	0	0	6,045
0	51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	34	0	0	0	0	34	0	34	0	0	0	0	34	0	0	0	0	34
0	53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	1,875	1,875	0	0	0	0	1,875	0	0	0	0	1,875
0	54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	0	150	0	150	300	300	600	0	0	0	0	600	0	0	0	0	600
0	69	Generators' DR3 Program	CW	S2	04	80	695	650	0	0	1,425	0	1,425	0	0	0	0	1,425	0	0	0	0	1,425
0	70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,668	527	15	0	0	2,210	0	2,210	0	0	0	0	2,210	0	0	0	0	2,210
0	83	RAW WATER INTAKE CLEANING	CW	S2	03	1,228	0	0	0	0	1,228	0	1,228	0	0	0	0	1,228	0	0	0	0	1,228
0	100	RAW WATER INTAKE CLEANING - FUTURE	CW	S6	03	0	0	0	0	100	100	2,900	3,000	0	0	0	0	3,000	0	0	0	0	3,000
0	101	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	-76	375	375	375	375	1,424	0	1,424	0	0	0	0	1,424	0	0	0	0	1,424
0	102	ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	0	0	-3	0	-53	0	0	0	0	-56
0	103	FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	CW	S3	03	241	1,404	0	0	0	1,645	0	1,645	0	0	0	0	1,645	0	0	0	0	1,645
0	104	AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	CW	S3	03	-2,103	4,441	3,999	7	0	6,344	0	6,344	0	0	0	0	6,344	0	0	0	0	6,344
0	105	TRAVELLING SCREEN REPLACEMENT-2018 SC	CW	S3	03	-100	445	700	0	0	1,045	0	1,045	0	0	0	0	1,045	0	0	0	0	1,045
0	106	PLANTWIDE HVAC UPGRADES-2018 SC	CW	S3	04	-138	1,117	738	0	0	1,717	0	1,717	0	0	0	0	1,717	0	0	0	0	1,717
0	107	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTR - 2018 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	0	0	-4	0	0	0	0	-4
0	108	RAW WATER INTAKE CLEANING - 2018 SC	CW	S3	03	1,272	500	0	0	0	1,772	0	1,772	0	0	0	0	1,772	0	0	0	0	1,772

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAT906977 ISLAND W.T.P. R&R</u>																								
0	109	Generators` DR3 Program - 2018 SC	CW	S3	04	-80	-695	-570	695	650	0	0	0	0	0	0	0	0	0	0	0	0		
Sub-total					10,160	12,738	8,814	1,077	1,275	34,064	5,075	39,139	0	0	0	0	39,139	0	0	0	0	39,139		
<u>WAT906979 D2/D4 TRUNK WATERMAIN UPGRADES</u>																								
0	11	JOS - VICTORIA PARK W/M - CONST	CW	S6	05	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	0	300	300	2,700	3,000	0	0	1,444	0	1,036	0	0	520	3,000		
Sub-total					0	0	0	0	300	300	56,700	57,000	0	0	27,415	0	19,695	0	0	9,890	0	57,000		
<u>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</u>																								
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	8,682	7,237	7,237	0	0	23,156	0	23,156	0	0	23,156	0	0	0	0	0	23,156		
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	3,842	3,842	0	0	0	7,684	0	7,684	0	0	7,684	0	0	0	0	0	7,684		
0	11	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018SC	CW	S3	05	-4,762	2,738	-1,462	473	210	-2,803	0	-2,803	0	0	-2,803	0	0	0	0	0	-2,803		
0	12	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-2018SC	CW	S3	05	-3,842	-3,592	3,592	3,842	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sub-total					3,920	10,225	9,367	4,315	210	28,037	0	28,037	0	0	28,037	0	0	0	0	0	0	28,037		
<u>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</u>																								
0	14	REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	CW	S2	05	2,499	864	1,398	812	33	5,606	113	5,719	0	0	5,719	0	0	0	0	0	5,719		
0	15	REGENT PARK CAPITAL CONTRIBUTION - PH3-5 - 2018 SC	CW	S3	05	-1,715	47	18	18	18	-1,614	-2	-1,616	0	0	-1,616	0	0	0	0	0	-1,616		
Sub-total					784	911	1,416	830	51	3,992	111	4,103	0	0	4,103	0	0	0	0	0	0	4,103		
<u>WAT907946 BUSINESS IT PROJECTS</u>																								
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930	0	0	0	5,930		
Sub-total					1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930	0	0	0	0	5,930		
<u>WAT908087 TRUNK WATERMAIN</u>																								
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	392	316	673	41	92	1,514	0	1,514	0	0	0	0	1,514	0	0	0	1,514		
0	4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	4,950	1,550	541	0	0	7,041	0	7,041	0	0	0	0	3,520	0	0	3,521	7,041		
0	5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	0	1,100	1,850	14,200	17,150	124,000	141,150	0	0	0	0	141,150	0	0	0	141,150		
0	6	3RD PARTY RELOCATIONS (METROLINX)	CW	S2	04	250	250	200	200	0	900	0	900	0	0	0	0	900	0	0	0	900		
0	13	TRANSMISSION SYSTEM AUTOMATION-2018 SC	CW	S3	04	283	4,991	3,902	0	0	9,176	0	9,176	0	0	0	0	9,176	0	0	0	9,176		

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT908087	TRUNK WATERMAIN																						
0 14	3RD PARTY RELOCATIONS (METROLINX) - 2018 SC	CW	S3	04	-200	-200	-150	-150	0	-700	0	-700	0	0	0	0	-700	0	0	0	0	-700	
0 15	JOS - REVENUE METER REPLACEMENT - 2018 SC	CW	S3	03	-1,609	1,450	459	0	0	300	0	300	0	0	0	0	150	0	0	150	0	300	
Sub-total					4,066	8,357	6,725	1,941	14,292	35,381	124,000	159,381	0	0	0	0	155,710	0	0	3,671	0	159,381	
WAT908248	WT&S PLANTWIDE																						
0 1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	10	
0 2	UV DISINFECTION - ENGINEERING	CW	S6	04	0	0	1,300	1,470	2,500	5,270	3,700	8,970	0	0	0	0	8,970	0	0	0	0	8,970	
0 3	UV DISINFECTION - CONSTRUCTION	CW	S6	04	0	0	0	0	26,000	26,000	37,210	63,210	0	0	0	0	63,210	0	0	0	0	63,210	
0 4	ZEBRA MUSSEL CONTROL - ENG	CW	S2	04	800	474	666	130	48	2,118	0	2,118	0	0	0	0	2,118	0	0	0	0	2,118	
0 5	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S6	04	0	1,400	3,100	3,600	1,600	9,700	0	9,700	0	0	0	0	9,700	0	0	0	0	9,700	
0 6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04	1,282	725	850	425	500	3,782	2,125	5,907	0	0	356	0	3,777	0	0	1,774	0	5,907	
0 7	STANDBY POWER - FUTURE	CW	S6	04	0	0	0	300	450	750	4,805	5,555	0	0	334	0	3,554	0	0	1,667	0	5,555	
0 10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S2	04	1,438	500	1,350	1,290	550	5,128	230	5,358	0	0	0	0	5,358	0	0	0	0	5,358	
0 11	UV DISINFECTION - ISLAND WTP - CONSTRUCTION	CW	S6	04	0	0	10,000	10,000	6,690	26,690	0	26,690	0	0	0	0	26,690	0	0	0	0	26,690	
0 12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S2	04	995	730	105	5	0	1,835	0	1,835	0	0	110	0	1,173	0	0	552	0	1,835	
0 13	UV DISINFECTION - CONCEPTUAL DESIGN-2018 SC	CW	S3	04	0	248	0	0	0	248	0	248	0	0	0	0	248	0	0	0	0	248	
0 14	ZEBRA MUSSEL CONTROL - ENG-2018 SC	CW	S3	04	-184	-209	-216	320	127	-162	64	-98	0	0	0	0	-98	0	0	0	0	-98	
0 15	STANDBY POWER - PHASE 2 - ENG-2018 SC	CW	S3	04	-1,007	925	1,900	2,745	1,186	5,749	-665	5,084	0	0	304	0	3,256	0	0	1,524	0	5,084	
0 16	UV DISINFECTION - ISLAND WTP - ENGINEERING-2018 SC	CW	S3	04	-653	145	-850	-290	0	-1,648	-30	-1,678	0	0	0	0	-1,678	0	0	0	0	-1,678	
0 17	SCRUBBER&TONNER CONNECTION IMPRO AT WTP-2018 SC	CW	S3	04	-395	970	1,063	495	470	2,603	5	2,608	0	0	156	0	1,671	0	0	781	0	2,608	
0 18	SOURCE WATER PROTECTION-LAKE ONTARIO COLLABORATIVE	CW	S4	04	70	375	305	0	0	750	0	750	0	0	0	0	750	0	0	0	0	750	
0 19	STANDBY POWER - PHASE 2 - CONSTRUCTION	CW	S6	04	0	3,500	9,500	22,500	15,100	50,600	13,000	63,600	0	0	3,816	0	59,784	0	0	0	0	63,600	
0 20	STANDBY POWER - FUTURE - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	28,000	28,000	0	0	1,680	0	26,320	0	0	0	0	28,000	
Sub-total					2,356	9,783	29,073	42,990	55,221	139,423	88,444	227,867	0	0	6,756	0	214,813	0	0	6,298	0	227,867	
Total Program Expenditure					387,293	546,079	517,305	481,274	443,323	2,375,274	2,133,691	4,508,965	0	0	347,745	0	4,118,405	0	0	42,815	0	4,508,965	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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									
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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				22,585	54,908	48,363	40,304	31,244	197,404	150,341	347,745	0	0	347,745	0	0	0	0	0	347,745
		Reserve Funds (Ind."XR" Ref.)				357,151	479,775	460,968	438,798	410,793	2,147,485	1,970,920	4,118,405	0	0	0	0,411,840	0	0	0	0	4,118,405
		Other2 (External)				7,557	11,396	7,974	2,172	1,286	30,385	12,430	42,815	0	0	0	0	0	0	42,815	0	42,815
Total Program Financing						387,293	546,079	517,305	481,274	443,323	2,375,274	2,133,691	4,508,965	0	0	347,745	0,411,840	0	0	42,815	0	4,508,965

Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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 2019 & 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: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
											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	
Sub-Priority	Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAS000007	ASHBRIDGES BAY WWTP REHAB																							
0	17	STANDBY POWER GENERATION	CW	S2	04	18	0	0	0	0	18	0	18	0	0	1	0	17	0	0	0	0	0	18
0	19	FERROUS UPGRADES	CW	S2	03	11,521	9,230	0	0	0	20,751	0	20,751	0	0	1,671	0	19,080	0	0	0	0	0	20,751
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	3,428	32	0	0	0	3,460	0	3,460	0	0	0	0	3,460	0	0	0	0	0	3,460
0	41	POLYMER UPGRADE	CW	S2	03	6,632	21,500	21,500	21,022	20,964	91,618	200	91,818	0	0	0	0	91,818	0	0	0	0	0	91,818
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	472	0	0	0	0	472	0	472	0	0	0	0	472	0	0	0	0	0	472
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,876	1,530	250	49	0	3,705	0	3,705	0	0	298	0	3,407	0	0	0	0	0	3,705
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	153	0	0	0	0	153	0	153	0	0	12	0	141	0	0	0	0	0	153
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,682	1,127	1,100	0	0	3,909	0	3,909	0	0	0	0	3,909	0	0	0	0	0	3,909
0	190	GROUND AND FACILITIES	CW	S2	03	440	440	440	0	0	1,320	0	1,320	0	0	0	0	1,320	0	0	0	0	0	1,320
0	200	PROCESS AND FACILTIES - FUTURE	CW	S6	03	0	0	0	0	0	0	9,700	9,700	0	0	0	0	9,700	0	0	0	0	0	9,700
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,854	2,104	3,104	1,030	4	10,096	4	10,100	0	0	0	0	10,100	0	0	0	0	0	10,100
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	920	0	0	0	0	920	0	920	0	0	0	0	920	0	0	0	0	0	920
0	225	DIGESTER CLEANING & UPGRADES - FUTURE	CW	S6	03	0	0	0	100	6,300	6,400	41,050	47,450	0	0	0	0	47,450	0	0	0	0	0	47,450
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	680	500	250	0	0	1,430	0	1,430	0	0	0	0	1,430	0	0	0	0	0	1,430
0	227	AIR HEADER REHAB	CW	S2	03	3,393	0	0	0	0	3,393	0	3,393	0	0	0	0	3,393	0	0	0	0	0	3,393
0	229	D BUILDING PHASE 2	CW	S2	03	1,010	11,200	11,000	11,000	11,000	45,210	510	45,720	0	0	0	0	45,720	0	0	0	0	0	45,720
0	246	NEW FLEET PURCHASES	CW	S2	04	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	470	0	0	0	0	470	0	470	0	0	0	0	470	0	0	0	0	0	470
0	255	FINAL TANK UPGRADES - TANKS 10 & 11	CW	S6	03	0	0	0	100	1,700	1,800	2,200	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	500	450	350	1,300	22,200	23,500	0	0	0	0	23,500	0	0	0	0	0	23,500
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,500	1,013	0	0	0	2,513	0	2,513	0	0	0	0	2,513	0	0	0	0	0	2,513
0	284	OPERATIONS CENTRE - ENGINEERING & CONSTRUCTION	CW	S6	04	0	200	400	5,500	5,500	11,600	0	11,600	0	0	0	0	11,600	0	0	0	0	0	11,600
0	285	BLOWER 7-9 OVERHAUL	CW	S2	03	1,300	0	0	0	0	1,300	0	1,300	0	0	0	0	1,300	0	0	0	0	0	1,300
0	287	POLYMER UPGRADE-2018 SC	CW	S3	03	-6,282	1,012	17,150	-9,912	-1,990	-22	22	0	0	0	0	0	0	0	0	0	0	0	0

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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.																			
WAS000007 ASHBRIDGES BAY WWTP REHAB																								
0	288	DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	CW	S3	03	-165	1,711	586	2,585	1	4,718	0	4,718	0	0	0	0	4,718	0	0	0	0	0	4,718
0	289	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2018 SC	CW	S3	03	794	-300	25	0	0	519	0	519	0	0	42	0	477	0	0	0	0	0	519
0	290	PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	CW	S3	04	-55	60	0	0	0	5	0	5	0	0	1	0	4	0	0	0	0	0	5
0	291	FERROUS UPGRADES-2018 SC	CW	S3	03	1,147	474	31	0	0	1,652	0	1,652	0	0	132	0	1,520	0	0	0	0	0	1,652
0	292	BLOWER STUDY	CW	S4	03	200	100	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	293	HEATING AND AIR SYSTEMS ASSESSMENT - 2018 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	0	0	0	0	-350	0	0	0	0	0	-350
0	294	OPERATIONS CENTRE - ENGINEERING - 2018 SC	CW	S3	03	-220	200	0	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	0	-20
0	295	ABTP - PROCESS ROADMAP PHASE 2 - 2018 SC	CW	S3	05	320	0	250	0	0	570	0	570	0	0	0	0	570	0	0	0	0	0	570
0	296	REHAB OF GROUNDS & BUILDINGS - 2018 SC	CW	S3	03	-442	0	0	0	0	-442	0	-442	0	0	0	0	-442	0	0	0	0	0	-442
0	297	STANDBY POWER GENERATION - 2018 SC	CW	S3	04	-18	0	0	0	0	-18	0	-18	0	0	-1	0	-17	0	0	0	0	0	-18
0	298	ELECTRICAL REHAB - ECAP - 2018 SC	CW	S3	01	-2,864	2,753	72	0	0	-39	0	-39	0	0	0	0	-39	0	0	0	0	0	-39
0	299	HVAC CONVERSION Z-BLDG - 2018 SC	CW	S3	03	500	-539	0	0	0	-39	0	-39	0	0	0	0	-39	0	0	0	0	0	-39
0	300	PROCESS AND EQUIPMENT - 2018 SC	CW	S3	03	78	120	0	1,100	1,100	2,398	0	2,398	0	0	0	0	2,398	0	0	0	0	0	2,398
0	301	GROUND AND FACILITIES - 2018 SC	CW	S3	03	160	160	0	440	440	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	302	NEW FLEET PURCHASES - 2018 SC	CW	S3	04	0	25	25	25	25	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	303	BLOWER 7-9 OVERHAUL - 2018 SC	CW	S3	03	-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0	0	0	0	0	-500
0	304	D BUILDING PHASE 2 - 2018 SC	CW	S3	03	72	-9,400	0	0	0	-9,328	10,005	677	0	0	0	0	677	0	0	0	0	0	677
0	305	AIR HEADER REHAB - 2018 SC	CW	S3	03	-238	2,482	0	0	0	2,244	0	2,244	0	0	0	0	2,244	0	0	0	0	0	2,244
Sub-total						31,511	47,734	56,683	33,489	45,394	214,811	85,891	300,702	0	0	2,156	0	298,546	0	0	0	0	0	300,702
WAS000115 HUMBER T.P.																								
0	9	CO-GENERATION	CW	S2	04	269	0	0	0	0	269	0	269	0	0	0	0	269	0	0	0	0	0	269
0	63	CO-GENERATION - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
Sub-total						259	0	0	0	0	259	0	259	0	0	0	0	259	0	0	0	0	0	259
WAS000259 TRUNK SEWER SYSTEM																								

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS000259	TRUNK SEWER SYSTEM																							
0 15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03	2,489	419	28	15	0	2,951	0	2,951	0	0	0	0	2,951	0	0	0	0	0	2,951	
0 18	BLACK CREEK STS DESIGN & CONSTRUCTION	CW	S6	05	0	1,250	3,000	9,300	28,150	41,700	261,300	303,000	0	0	43,145	0	259,855	0	0	0	0	0	303,000	
0 27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	29,722	8,436	1,352	10	0	39,520	0	39,520	0	0	0	0	39,520	0	0	0	0	0	39,520	
0 34	BLACK CREEK STS EA	CW	S2	05	593	0	0	0	0	593	0	593	0	0	0	0	593	0	0	0	0	0	593	
0 36	TRUNK SEWER REPLACEMENT - FORECAST	CW	S6	03	0	0	0	0	0	0	18,950	18,950	0	0	0	0	18,950	0	0	0	0	0	18,950	
0 47	TRUNK SEWER REHABILITATION - 2016	CW	S2	03	22,346	12,028	732	14	0	35,120	0	35,120	0	0	0	0	35,120	0	0	0	0	0	35,120	
0 53	TRUNK SEWER REHABILITATION - 2018	CW	S2	03	3,136	12,405	29,504	29,906	20,083	95,034	7,998	103,032	0	0	0	0	103,032	0	0	0	0	0	103,032	
0 55	TRUNK SEWER REHABILITATION - FORECAST	CW	S6	03	0	0	50	50	8,525	8,625	51,037	59,662	0	0	0	0	59,662	0	0	0	0	0	59,662	
0 56	TRUNK SEWER REHABILITATION - 2012-2018 SC	CW	S3	03	-811	569	59	1	0	-182	0	-182	0	0	0	0	-182	0	0	0	0	0	-182	
0 57	TRUNK SEWER REHABILITATION - 2014-2018 SC	CW	S3	03	-10,059	12,571	2,028	0	14	4,554	0	4,554	0	0	0	0	4,554	0	0	0	0	0	4,554	
0 58	TRUNK SEWER REHABILITATION - 2016-2018 SC	CW	S3	03	981	6,013	8,315	1,521	151	16,981	0	16,981	0	0	0	0	16,981	0	0	0	0	0	16,981	
0 59	TRUNK SEWER REHABILITATION - 2018-2018 SC	CW	S3	03	-494	1,557	15,470	39,679	19,528	75,740	1,501	77,241	0	0	0	0	77,241	0	0	0	0	0	77,241	
0 60	BLACK CREEK STS EA-2018 SC	CW	S3	05	-47	60	0	0	0	13	0	13	0	0	0	0	13	0	0	0	0	0	13	
0 61	TRUNK SEWER REHABILITATION - 2018 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total					47,857	55,308	60,538	80,496	76,451	320,650	340,786	661,436	0	0	43,145	0	618,291	0	0	0	0	0	661,436	
WAS000442	BASEMENT FLOODING RELIEF																							
0 1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	4,600	5,500	0	0	0	10,100	0	10,100	0	0	0	0	10,100	0	0	0	0	0	10,100	
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	1,330	200	200	100	0	1,830	0	1,830	0	0	0	0	1,830	0	0	0	0	0	1,830	
0 9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	3,455	1,545	7,900	35,000	35,000	82,900	90,000	172,900	0	0	0	0	172,900	0	0	0	0	0	172,900	
0 14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	272	1,075	0	0	0	1,347	0	1,347	0	0	0	0	1,347	0	0	0	0	0	1,347	
0 18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	1,959	2,390	2,000	0	0	6,349	0	6,349	0	0	0	0	6,349	0	0	0	0	0	6,349	
0 19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	11,241	10,927	16,545	7,500	0	46,213	0	46,213	0	0	0	0	46,213	0	0	0	0	0	46,213	
0 20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	2,881	309	2,320	0	0	5,510	0	5,510	0	0	0	0	5,510	0	0	0	0	0	5,510	
0 29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,558	55	0	0	0	2,613	0	2,613	0	0	0	0	2,613	0	0	0	0	0	2,613	

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000442	BASEMENT FLOODING RELIEF																						
0 52	BASEMENT FLOODING RELIEF - FUTURE	CW	S6	04	0	0	0	0	0	0	230,000	230,000	0	0	0	0	230,000	0	0	0	0	230,000	
0 76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	926	954	982	0	0	2,862	0	2,862	0	0	0	0	2,862	0	0	0	0	2,862	
0 77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	21,536	15,430	16,335	14,270	14,400	81,971	37,884	119,855	0	0	0	0	119,855	0	0	0	0	119,855	
0 81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	4,501	3,550	2,850	1,800	1,500	14,201	2,150	16,351	0	0	0	0	16,351	0	0	0	0	16,351	
0 84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	81	83	4,286	5,289	9,739	26,485	36,224	0	0	0	0	36,224	0	0	0	0	36,224	
0 85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	1,000	1,025	2,025	5,524	7,549	0	0	0	0	7,549	0	0	0	0	7,549	
0 89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S2	04	45,007	66,350	72,859	85,700	116,901	386,817	377,905	764,722	0	0	0	0	764,722	0	0	0	0	764,722	
0 90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	0	600	1,100	1,500	3,200	9,000	12,200	0	0	0	0	12,200	0	0	0	0	12,200	
0 91	BASEMENT FLOODING DESIGN - GROUP 5	CW	S6	04	0	0	0	0	0	0	84,000	84,000	0	0	0	0	84,000	0	0	0	0	84,000	
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	38,500	
0 107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S2	04	15,153	7,840	6,388	5,000	0	34,381	0	34,381	0	0	0	0	34,381	0	0	0	0	34,381	
0 109	REAL ESTATE - IDC	CW	S2	04	131	0	0	0	0	131	0	131	0	0	0	0	131	0	0	0	0	131	
0 118	BASEMENT FLOODING PROTECTION SUBSIDY PROG-2018 SC	CW	S3	04	900	0	5,500	0	0	6,400	0	6,400	0	0	0	0	6,400	0	0	0	0	6,400	
0 119	BASEMENT FLOODING STUDIES & EAS-2018 SC	CW	S3	04	-804	456	-200	-100	0	-648	0	-648	0	0	0	0	-648	0	0	0	0	-648	
0 120	BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	CW	S3	04	769	1	0	0	0	770	0	770	0	0	0	0	770	0	0	0	0	770	
0 121	BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	CW	S3	04	-279	642	126	0	0	489	0	489	0	0	0	0	489	0	0	0	0	489	
0 122	BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	CW	S3	04	-2,499	2,670	30	0	0	201	0	201	0	0	0	0	201	0	0	0	0	201	
0 123	ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	CW	S3	04	13	330	0	0	0	343	0	343	0	0	0	0	343	0	0	0	0	343	
0 124	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2018 SC	CW	S3	04	-2,203	3,750	-2,100	2,700	2,000	4,147	28,900	33,047	0	0	0	0	33,047	0	0	0	0	33,047	
0 125	BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	CW	S3	04	-5,394	2,155	-12,342	-7,500	0	-23,081	0	-23,081	0	0	0	0	-23,081	0	0	0	0	-23,081	
0 126	BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	CW	S3	04	-1,109	1,553	-1,290	919	0	73	0	73	0	0	0	0	73	0	0	0	0	73	
0 127	BASEMENT FLOODING STUDIES & EAS IMPLEMENT-2018 SC	CW	S3	04	-2,057	1,773	905	-50	-500	71	-1,400	-1,329	0	0	0	0	-1,329	0	0	0	0	-1,329	
0 128	BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018 SC	CW	S3	04	-239	15,450	18,185	28,443	32,850	94,689	132,335	227,024	0	0	0	0	227,024	0	0	0	0	227,024	
0 129	BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018 SC	CW	S3	04	-32,410	-33,670	-9,119	-41,423	-63,249	-179,871	-108,751	-288,622	0	0	0	0	-288,622	0	0	0	0	-288,622	

CITY OF TORONTO

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000442	BASEMENT FLOODING RELIEF																						
0	130	BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018 SC			CW	S3	04																
					-8,853	1,963	10,356	8,978	0	12,444	0	12,444	0	0	0	0	12,444	0	0	0	0	0	12,444
0	131	REAL ESTATE - IDC - 2018 SC			CW	S3	04																
					-131	0	0	0	0	-131	0	-131	0	0	0	0	-131	0	0	0	0	0	-131
Sub-total					61,254	113,279	139,113	153,223	152,216	619,085	941,532	1,560,617	0	0	0	0	1,560,617	0	0	0	0	0	1,560,617
WAS000521	HIGHLAND CREEK WWTP - BUILDING SERV &																						
0	3	HCTP BLDG REHAB & IMPROVEMENTS			CW	S2	03																
					681	630	0	0	0	1,311	0	1,311	0	0	0	0	1,311	0	0	0	0	0	1,311
0	10	HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC			CW	S3	03																
					2,132	-130	0	0	0	2,002	0	2,002	0	0	0	0	2,002	0	0	0	0	0	2,002
Sub-total					2,813	500	0	0	0	3,313	0	3,313	0	0	0	0	3,313	0	0	0	0	0	3,313
WAS906322	W&WW LABORATORIES																						
0	9	LAB EQUIPMENT			CW	S2	03																
					248	358	209	458	0	1,273	0	1,273	0	0	0	0	1,273	0	0	0	0	0	1,273
0	22	LAB & EMP FACILITIES			CW	S4	04																
					1,800	6,500	2,500	0	0	10,800	8,450	19,250	0	0	0	0	19,250	0	0	0	0	0	19,250
0	27	LAB EQUIPMENT - FUTURE			CW	S4	03																
					254	337	242	458	102	1,393	1,050	2,443	0	0	0	0	2,443	0	0	0	0	0	2,443
0	32	LAB EQUIPMENT - 2018 SC			CW	S3	03																
					33	-358	-209	-458	0	-992	0	-992	0	0	0	0	-992	0	0	0	0	0	-992
Sub-total					2,335	6,837	2,742	458	102	12,474	9,500	21,974	0	0	0	0	21,974	0	0	0	0	0	21,974
WAS906328	SWM END OF PIPE FACILITIES																						
0	6	DON VALLEY SWM			CW	S6	04																
					0	0	0	0	0	0	3,960	3,960	0	0	0	0	3,960	0	0	0	0	0	3,960
0	10	Etobicoke Waterfront Construction			CW	S6	04																
					0	0	0	0	0	0	126,160	126,160	0	0	0	0	126,160	0	0	0	0	0	126,160
0	11	Bonar Creek SWMF Construction			CW	S2	04																
					660	7,850	7,700	100	100	16,410	0	16,410	0	0	1,321	0	15,089	0	0	0	0	0	16,410
0	12	EARL BALES PARK SWM FACILITY - PHASE 2			CW	S2	04																
					859	250	0	0	0	1,109	0	1,109	0	0	89	0	1,020	0	0	0	0	0	1,109
0	38	COATSWORTH CUT WETLAND			CW	S6	04																
					0	0	0	0	0	0	10,260	10,260	0	0	0	0	10,260	0	0	0	0	0	10,260
0	57	Scarborough Waterfront Construction			CW	S2	04																
					0	0	0	1,150	4,000	5,150	42,800	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950
0	64	HUMBER BAY POND (ETOBICOKE)			CW	S2	03																
					400	150	0	0	0	550	0	550	0	0	44	0	506	0	0	0	0	0	550
0	67	YR03 D1 END OF PIPE			CW	S2	04																
					1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	68	Scarborough Waterfront Construction-2018 SC			CW	S3	04																
					0	0	0	-1,150	-4,000	-5,150	5,150	0	0	0	0	0	0	0	0	0	0	0	0
0	69	EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC			CW	S3	04																
					-839	750	0	0	0	-89	0	-89	0	0	-7	0	-82	0	0	0	0	0	-89
0	70	Bonar Creek SWMF Construction-2018 SC			CW	S3	04																
					-160	-6,100	1,550	9,025	75	4,390	0	4,390	0	0	352	0	4,038	0	0	0	0	0	4,390

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Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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												
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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	71	HUMBER BAY POND (ETOBICOKE)-2018 SC	CW	S3	03	-350	100	300	0	0	50	0	50	0	0	4	0	46	0	0	0	0	0	50	
0	72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S3	04	500	250	500	0	0	1,250	0	1,250	0	0	100	0	1,150	0	0	0	0	0	1,250	
0	73	YR03 D1 END OF PIPE - 2018 SC	CW	S3	04	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total						1,071	3,251	10,050	9,125	175	23,672	188,330	212,002	0	0	5,763	0	206,239	0	0	0	0	0	212,002	
<u>WAS906331 SWM SOURCE CONTROL PROG</u>																									
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	204	0	0	0	0	204	0	204	0	0	0	0	204	0	0	0	0	0	204	
0	16	DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	CW	S3	04	-122	70	70	20	20	58	0	58	0	0	0	0	58	0	0	0	0	0	58	
Sub-total						82	70	70	20	20	262	0	262	0	0	0	0	262	0	0	0	0	0	262	
<u>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</u>																									
0	1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	620	440	439	6	0	1,505	0	1,505	0	0	120	0	1,385	0	0	0	0	0	1,505	
0	2	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	CW	S2	02	4,866	6,205	6,117	0	0	17,188	0	17,188	0	0	1,383	0	15,805	0	0	0	0	0	17,188	
0	3	ODOUR CONTROL UPGRADES - PHASE 2	CW	S6	02	0	0	0	0	0	0	29,750	29,750	0	0	2,393	0	27,357	0	0	0	0	0	29,750	
0	22	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2018 SC	CW	S3	04	112	-50	-236	50	50	-74	20	-54	0	0	-3	0	-51	0	0	0	0	0	-54	
0	23	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2018 SC	CW	S3	02	1,005	0	-998	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7	
Sub-total						6,603	6,595	5,322	56	50	18,626	29,770	48,396	0	0	3,893	0	44,503	0	0	0	0	0	48,396	
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																									
0	3	PCS-PLANT SRVS	CW	S2	04	197	0	0	0	0	197	0	197	0	0	16	0	181	0	0	0	0	0	197	
0	49	PCS-PLANT SRVS-2018 SC	CW	S3	04	-177	0	0	0	0	-177	0	-177	0	0	-14	0	-163	0	0	0	0	0	-177	
Sub-total						20	0	0	0	0	20	0	20	0	0	2	0	18	0	0	0	0	0	0	20
<u>WAS906488 HUMBER T.P. - II YR2004</u>																									
0	2	PCS PLANT SERVICES	CW	S2	04	8	0	0	0	0	8	0	8	0	0	1	0	7	0	0	0	0	0	8	
0	25	PCS PLANT SERVICES - 2018 SC	CW	S3	04	-3	0	0	0	0	-3	0	-3	0	0	-1	0	-2	0	0	0	0	0	-3	
Sub-total						5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	0	5
<u>WAS906492 WET WEATHER FLOW MP</u>																									
0	1	SWM INA/EA	CW	S2	04	548	325	0	0	0	873	0	873	0	0	70	0	803	0	0	0	0	0	873	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS906492	WET WEATHER FLOW MP																								
0 2	PUBLIC EDUCATION	CW	S2	04	698	0	0	0	0	698	0	698	0	0	56	0	642	0	0	0	0	0	698		
0 11	10YR WWFMMP PUBLIC EDUCATION	CW	S6	04	0	610	610	610	610	2,440	2,440	4,880	0	0	0	0	4,880	0	0	0	0	0	4,880		
0 14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	918	1,400	1,450	0	0	3,768	0	3,768	0	0	303	0	3,465	0	0	0	0	0	3,768		
0 40	10YR WWFMMP IMPLEMENTATION	CW	S6	04	0	0	0	200	2,950	3,150	4,250	7,400	0	0	0	0	7,400	0	0	0	0	0	7,400		
0 41	SWM CONVEYANCE 2012	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
0 51	SWM CONVEYANCE 2014	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
0 58	SWM CONVEYANCE 2015	CW	S2	04	505	0	0	0	0	505	0	505	0	0	40	0	465	0	0	0	0	0	505		
0 59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2	03	2,098	2,400	4,800	4,300	3,500	17,098	0	17,098	0	0	0	0	17,098	0	0	0	0	0	17,098		
0 60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	5,000	5,000	5,000	5,000	5,000	25,000	7,500	32,500	0	0	0	0	32,500	0	0	0	0	0	32,500		
0 65	STORM WATER POND ASSESSMENT & CLEANING - 10 YEAR	CW	S6	03	0	0	0	0	1,500	1,500	19,500	21,000	0	0	0	0	21,000	0	0	0	0	0	21,000		
0 84	SWM CONVEYANCE 2017	CW	S2	04	2,292	1,010	0	0	0	3,302	0	3,302	0	0	266	0	3,036	0	0	0	0	0	3,302		
0 86	GREEN STREETS	CW	S2	04	814	403	170	0	0	1,387	0	1,387	0	0	112	0	1,275	0	0	0	0	0	1,387		
0 97	WATERFRONT MODELLING STUDIES	CW	S2	05	100	100	100	100	75	475	0	475	0	0	38	0	437	0	0	0	0	0	475		
0 98	SWM INA/EA-2018 SC	CW	S3	04	408	415	655	440	110	2,028	0	2,028	0	0	164	0	1,864	0	0	0	0	0	2,028		
0 99	WWFMP IMPLEMENTATION - DESIGN-2018 SC	CW	S3	04	-265	-767	-1,150	0	0	-2,182	0	-2,182	0	0	-175	0	-2,007	0	0	0	0	0	-2,182		
0 100	SWM CONVEYANCE 2012-2018 SC	CW	S3	04	0	37	0	0	0	37	0	37	0	0	3	0	34	0	0	0	0	0	37		
0 102	SWM CONVEYANCE 2015-2018 SC	CW	S3	04	-500	785	0	0	0	285	0	285	0	0	23	0	262	0	0	0	0	0	285		
0 103	STORM WATER POND ASSESSMENT & CLEANING-2018 SC	CW	S3	03	-573	1,100	-1,800	-1,300	-500	-3,073	0	-3,073	0	0	0	0	-3,073	0	0	0	0	0	-3,073		
0 104	ASHBRIDGES BAY LANDFORMS-2018 SC	CW	S3	04	-5,000	-1,750	1,300	1,300	300	-3,850	4,350	500	0	0	0	0	500	0	0	0	0	0	500		
0 105	SWM CONVEYANCE 2017-2018 SC	CW	S3	04	504	582	1,660	646	0	3,392	0	3,392	0	0	273	0	3,119	0	0	0	0	0	3,392		
0 106	GREEN STREETS-2018 SC	CW	S3	04	79	481	95	180	40	875	0	875	0	0	69	0	806	0	0	0	0	0	875		
0 107	WATERFRONT MODELLING STUDIES - 2018 SC	CW	S3	05	-100	-75	-75	0	25	-225	290	65	0	0	5	0	60	0	0	0	0	0	65		
0 108	PUBLIC EDUCATION - 2018 SC	CW	S3	04	-88	0	0	0	0	-88	0	-88	0	0	-7	0	-81	0	0	0	0	0	-88		
Sub-total					7,440	12,056	12,815	11,476	13,610	57,397	38,330	95,727	0	0	1,240	0	94,487	0	0	0	0	0	95,727		

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906495 SEWER ASSET PLANNING																								
0 5	SEWER ASSET PLANNING	CW	S2	03	9,360	7,084	255	0	0	16,699	0	16,699	0	0	1,345	0	15,354	0	0	0	0	0	16,699	
0 7	SEWER SYSTEM INSPECTION	CW	S2	03	18,125	7,745	10,000	0	0	35,870	0	35,870	0	0	0	0	35,870	0	0	0	0	0	35,870	
0 17	SEWER ASSET PLANNING - 10 YEAR	CW	S6	04	0	0	1,500	1,500	2,000	5,000	33,000	38,000	0	0	3,057	0	34,943	0	0	0	0	0	38,000	
0 18	SEWER SYSTEM INSPECTION - 10 YEAR PLAN	CW	S6	03	0	0	1,800	10,000	10,000	21,800	50,000	71,800	0	0	0	0	71,800	0	0	0	0	0	71,800	
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	160	0	0	0	0	160	0	160	0	0	0	0	160	0	0	0	0	0	160	
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	0	1,200	
0 35	SEWER ASSET PLANNING-2018 SC	CW	S3	03	-2,679	3,690	7,995	8,000	8,000	25,006	2,000	27,006	0	0	2,173	0	24,833	0	0	0	0	0	27,006	
0 36	SEWER SYSTEM INSPECTION-2018 SC	CW	S3	03	-8,188	2,424	-1,710	0	0	-7,474	0	-7,474	0	0	0	0	-7,474	0	0	0	0	0	-7,474	
0 37	PPD - INFRASTRUCTURE PLANNING STUDIES-2018 SC	CW	S3	05	102	150	0	0	0	252	0	252	0	0	0	0	252	0	0	0	0	0	252	
0 38	CORP IT - IDC-2018 SC	CW	S3	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	0	0	0	0	147	
Sub-total					17,027	21,093	19,990	19,650	20,150	97,910	85,750	183,660	0	0	6,575	0	177,085	0	0	0	0	0	183,660	
WAS906500 NEW SEWER CONSTRUCTION																								
0 4	NEW SEWERS - FUTURE	CW	S6	05	0	0	0	1,000	1,000	2,000	5,000	7,000	0	0	4,354	0	2,646	0	0	0	0	0	7,000	
0 5	NEW SEWERS	CW	S2	05	560	0	0	0	0	560	0	560	0	0	348	0	212	0	0	0	0	0	560	
0 24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	2,280	5,000	5,000	0	0	12,280	0	12,280	0	0	6,140	0	6,140	0	0	0	0	0	12,280	
0 25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	5,000	1,550	0	0	0	6,550	0	6,550	0	0	6,550	0	0	0	0	0	0	0	6,550	
0 34	WATERFRONT SANITARY MASTER SERVICING PLAN - FUTURE	CW	S6	05	0	0	0	0	0	0	27,500	27,500	0	0	13,750	0	13,750	0	0	0	0	0	27,500	
0 36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S4	05	1,000	2,000	1,000	0	0	4,000	0	4,000	0	0	2,488	0	1,512	0	0	0	0	0	4,000	
0 37	NEW SEWERS-2018 SC	CW	S3	05	-545	73	500	0	0	28	0	28	0	0	17	0	11	0	0	0	0	0	28	
0 38	DOWNSVIEW LANDS EXTERNAL UPGRADES-2018 SC	CW	S3	05	-5,000	-1,550	1,450	5,000	1,550	1,450	0	1,450	0	0	1,450	0	0	0	0	0	0	0	1,450	
0 39	WATERFRONT SANITARY MASTER SERVICING PLAN-2018 SC	CW	S3	05	-280	500	1,500	1,500	750	3,970	0	3,970	0	0	1,985	0	1,985	0	0	0	0	0	3,970	
Sub-total					3,015	7,573	9,450	7,500	3,300	30,838	32,500	63,338	0	0	37,082	0	26,256	0	0	0	0	0	63,338	
WAS906501 YARD & BUILDING RENOVATION																								
0 11	YARDS & BUILDING RENOVATION	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
012	YARDS & BUILDING RENOVATION - 2018 SC	CW	S3	04	-2	0	0	0	0	-2	0	-2	0	0	0	0	-2	0	0	0	0	0	-2	
Sub-total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WAS906735 DIST SEWER REHAB OPS YR2005																								
010	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	12	69	0	0	0	81	0	81	0	0	7	0	74	0	0	0	0	0	81	
019	GROUP 1 SEWAGE PUMPING STATION UPGRADES -2018 SC	CW	S3	03	3	-34	20	0	0	-11	0	-11	0	0	-1	0	-10	0	0	0	0	0	-11	
Sub-total					15	35	20	0	0	70	0	70	0	0	6	0	64	0	0	0	0	0	70	
WAS906741 HIGHLAND CREEK TP YR2005																								
01	WAS THICKENING AND DEWATERING - ENG	CW	S2	03	13	0	0	0	0	13	0	13	0	0	1	0	12	0	0	0	0	0	13	
020	WAS THICKENING AND DEWATERING - ENG - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	-1	0	-9	0	0	0	0	0	-10	
Sub-total					3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3	
WAS906742 HUMBER TP YR2005																								
08	ODOUR CONTROL ENGINEERING	CW	S2	04	10	500	100	20	0	630	0	630	0	0	0	0	630	0	0	0	0	0	630	
057	ODOUR CONTROL ENGINEERING - 2018 SC	CW	S3	04	295	-126	-10	0	0	159	0	159	0	0	0	0	159	0	0	0	0	0	159	
Sub-total					305	374	90	20	0	789	0	789	0	0	0	0	789	0	0	0	0	0	789	
WAS906743 ASHRIDGES BAY TP YR2005																								
01	MISC MECH ENGINEERING	CW	S2	03	500	482	80	0	0	1,062	0	1,062	0	0	85	0	977	0	0	0	0	0	1,062	
07	SERVICE AIR UPGRADES	CW	S2	03	1,600	75	0	0	0	1,675	0	1,675	0	0	0	0	1,675	0	0	0	0	0	1,675	
061	MISC MECH ENGINEERING-2018 SC	CW	S3	03	0	179	0	0	0	179	0	179	0	0	14	0	165	0	0	0	0	0	179	
062	SERVICE AIR UPGRADES - 2018 SC	CW	S3	03	-1,435	1,252	0	0	0	-183	0	-183	0	0	0	0	-183	0	0	0	0	0	-183	
Sub-total					665	1,988	80	0	0	2,733	0	2,733	0	0	99	0	2,634	0	0	0	0	0	2,733	
WAS906755 WESTERN BEACHES RETROFIT																								
01	WESTERN BEACHES RETROFIT	CW	S2	03	5,561	6,342	5,885	15	86	17,889	0	17,889	0	0	1,440	0	16,449	0	0	0	0	0	17,889	
016	WESTERN BEACHES RETROFIT-2018 SC	CW	S3	03	781	-1,042	492	0	0	231	0	231	0	0	18	0	213	0	0	0	0	0	231	
Sub-total					6,342	5,300	6,377	15	86	18,120	0	18,120	0	0	1,458	0	16,662	0	0	0	0	0	18,120	
WAS906926 OPERATIONAL SUPPORT																								
06	FACILITY RENOVATION	CW	S2	04	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906926 OPERATIONAL SUPPORT																								
0 7	RENOVATION - MERTON STREET	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20	
0 23	EMP MONITORING NEEDS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50	
0 40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	9,444	5,015	4,749	51	0	19,259	0	19,259	0	0	0	0	19,259	0	0	0	0	0	19,259	
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	
0 100	DIVISIONAL SECURITY	CW	S2	04	1,030	0	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030	
0 107	OFFICE MODERNIZATION - MH18	CW	S2	04	1,875	0	0	0	0	1,875	0	1,875	0	0	0	0	1,875	0	0	0	0	0	1,875	
0 114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S2	04	500	1,000	2,000	400	0	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900	
0 115	PCS UPGRADES FOR WASTEWATER TREATMENT - 2018 SC	CW	S3	04	-7,624	1,746	1,351	4,014	25	-488	0	-488	0	0	0	0	-488	0	0	0	0	0	-488	
0 116	DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC	CW	S3	04	-250	-750	-1,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 117	BACKUP POWER - FINCH AND DEE - 2018 SC	CW	S3	04	0	0	0	500	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0 118	OFFICE MODERNIZATION - MH18 - 2018 SC	CW	S3	04	-1,425	450	975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 119	RENOVATION - MERTON STREET - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10	
0 120	DIVISIONAL SECURITY - 2018 SC	CW	S3	04	5	1,135	0	0	0	1,140	0	1,140	0	0	0	0	1,140	0	0	0	0	0	1,140	
0 121	FACILITY RENOVATION - 2018 SC	CW	S3	04	0	0	750	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0 122	435 KIPLING AVENUE	CW	S4	04	150	1,900	3,750	0	0	5,800	0	5,800	0	0	0	0	5,800	0	0	0	0	0	5,800	
Sub-total					4,515	11,246	13,705	8,445	2,305	40,216	9,400	49,616	0	0	0	0	49,616	0	0	0	0	0	49,616	
WAS906958 SEWER SYSTEM REHABILITATION																								
0 2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	32	0	0	0	0	32	0	32	0	0	3	0	29	0	0	0	0	0	32	
0 5	CCTV INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200	
0 7	10 YEAR SEWER REHABILITATION	CW	S6	03	0	2,000	33,850	55,800	56,700	148,350	323,300	471,650	0	0	0	0	471,650	0	0	0	0	0	471,650	
0 8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	224	0	0	0	0	224	0	224	0	0	18	0	206	0	0	0	0	0	224	
0 9	SEWER REHABILITATION	CW	S2	03	16,161	6,036	36	0	0	22,233	0	22,233	0	0	0	0	22,233	0	0	0	0	0	22,233	
0 23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	115	0	0	0	0	115	0	115	0	0	9	0	106	0	0	0	0	0	115	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906958	SEWER SYSTEM REHABILITATION																							
0 24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	6,300	6,265	3,928	2,128	0	18,621	0	18,621	0	0	1,498	0	17,123	0	0	0	0	0	18,621	
0 79	SEWER REHABILITATION - CWD	CW	S2	03	52,158	18,200	1,700	1,700	1,700	75,458	150	75,608	0	0	0	0	75,608	0	0	0	0	0	75,608	
0 91	SEWER REHABILITATION-2018 SC	CW	S3	03	8,117	17,818	13,800	5,500	4,700	49,935	0	49,935	0	0	0	0	49,935	0	0	0	0	0	49,935	
0 92	SEWER REHABILITATION - CWD-2018 SC	CW	S3	03	-753	32,123	19,880	1,043	1,043	53,336	-150	53,186	0	0	0	0	53,186	0	0	0	0	0	53,186	
0 94	SPS SCADA UPGRADES - ENGINEERING-2018 SC	CW	S3	04	17	512	0	0	0	529	0	529	0	0	42	0	487	0	0	0	0	0	529	
0 95	SEWAGE PUMPING STATION STANDBY POWER-2018 SC	CW	S3	02	-114	117	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3	
0 96	GROUP 5 SEWAGE PUMPING STATION UPGRADES-2018 SC	CW	S3	05	-1,775	-4	579	-2,048	0	-3,248	0	-3,248	0	0	-261	0	-2,987	0	0	0	0	0	-3,248	
0 97	CCTV INSPECTION - 2018 SC	CW	S3	03	100	1,200	1,100	0	0	2,400	0	2,400	0	0	0	0	2,400	0	0	0	0	0	2,400	
Sub-total					81,782	84,267	74,873	64,123	64,143	369,188	323,300	692,488	0	0	1,309	0	691,179	0	0	0	0	0	692,488	
WAS906960	STREAM RESTORATION & EROSION CONTRC																							
0 5	10 YEAR STREAM RESTORATION - ALL DISTRICTS	CW	S6	03	0	10	135	220	891	1,256	29,246	30,502	0	0	0	0	30,502	0	0	0	0	0	30,502	
0 7	STREAM RESTORATION	CW	S2	03	1,440	0	0	0	0	1,440	0	1,440	0	0	116	0	1,324	0	0	0	0	0	1,440	
0 41	WATERCOURSE - ENGINEERING	CW	S2	03	1,175	1,135	1,025	1,030	425	4,790	1,065	5,855	0	0	472	0	5,383	0	0	0	0	0	5,855	
0 43	PARTNER PROJECTS	CW	S2	03	1,920	1,600	600	200	0	4,320	0	4,320	0	0	348	0	3,972	0	0	0	0	0	4,320	
0 45	WATERCOURSE - CONSTRUCTION	CW	S6	03	0	2,245	2,766	1,000	0	6,011	0	6,011	0	0	0	0	6,011	0	0	0	0	0	6,011	
0 51	STUDIES, EAs, MASTER PLANS	CW	S2	03	2,330	1,930	860	410	50	5,580	0	5,580	0	0	448	0	5,132	0	0	0	0	0	5,580	
0 52	CRITICAL REPAIRS	CW	S2	03	2,367	1,500	1,275	1,575	1,410	8,127	1,145	9,272	0	0	748	0	8,524	0	0	0	0	0	9,272	
0 53	EMERGENCY EROSION CONTROL	CW	S2	03	860	850	300	300	150	2,460	0	2,460	0	0	198	0	2,262	0	0	0	0	0	2,460	
0 54	STUDY, EA, MASTER PLAN UPDATES - FUTURE	CW	S6	03	0	0	0	0	500	500	2,000	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500	
0 55	STREAM RESTORATION -2018 SC	CW	S3	03	-1,042	73	0	0	0	-969	0	-969	0	0	-78	0	-891	0	0	0	0	0	-969	
0 56	STUDIES, EAs, MASTER PLANS -2018 SC	CW	S3	03	-978	527	702	183	25	459	0	459	0	0	39	0	420	0	0	0	0	0	459	
0 57	CRITICAL REPAIRS-2018 SC	CW	S3	03	-887	1,353	683	648	-737	1,060	-567	493	0	0	39	0	454	0	0	0	0	0	493	
0 58	WATERCOURSE - CONSTRUCTION - FUTURE	CW	S6	03	0	250	1,000	2,950	7,400	11,600	21,150	32,750	0	0	0	0	32,750	0	0	0	0	0	32,750	
0 59	WATERCOURSE - ENGINEERING - 2018 SC	CW	S3	03	-705	-375	275	-130	615	-320	395	75	0	0	7	0	68	0	0	0	0	0	75	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906960 STREAM RESTORATION & EROSION CONTRC																							
0 60	EMERGENCY EROSION CONTROL - 2018 SC	CW	S3	03	-560	-550	0	0	0	-1,110	0	-1,110	0	0	-90	0	-1,020	0	0	0	0	-1,110	
0 61	PARTNER PROJECTS - 2018 SC	CW	S3	03	-1,320	-1,000	0	0	0	-2,320	0	-2,320	0	0	-188	0	-2,132	0	0	0	0	-2,320	
Sub-total						4,600	9,548	9,621	8,386	10,729	42,884	54,434	97,318	0	0	2,059	0	95,259	0	0	0	0	97,318
WAS906966 SWM TRCA FUNDING																							
0 8	10 YEAR TRCA FUNDING	CW	S6	04	0	4,491	4,604	4,719	4,837	18,651	26,061	44,712	0	0	0	0	44,712	0	0	0	0	44,712	
0 22	TORONTO WATER TRANSFER TO TRCA CAPITAL	CW	S3	04	4,382	0	0	0	0	4,382	0	4,382	0	0	353	0	4,029	0	0	0	0	4,382	
Sub-total						4,382	4,491	4,604	4,719	4,837	23,033	26,061	49,094	0	0	353	0	48,741	0	0	0	0	49,094
WAS906968 ENGINEERING																							
0 2	CONSULTING FEES	CW	S2	03	14,195	11,737	5,571	2,647	825	34,975	1,440	36,415	0	0	0	0	36,415	0	0	0	0	36,415	
0 52	ECS SALARIES	CW	S2	03	114	0	0	0	0	114	0	114	0	0	0	0	114	0	0	0	0	114	
0 59	ROAD RESTORATION	CW	S2	03	800	0	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	800	
0 65	ECS SALARIES - 2018 SC	CW	S3	03	14,477	0	0	0	0	14,477	0	14,477	0	0	0	0	14,477	0	0	0	0	14,477	
0 67	ROAD RESTORATION-2018 SC	CW	S3	03	-71	729	0	0	0	658	0	658	0	0	0	0	658	0	0	0	0	658	
0 68	CONSULTING FEES-2018 SC	CW	S3	03	-2,513	121	1,350	-346	320	-1,068	266	-802	0	0	0	0	-802	0	0	0	0	-802	
0 69	TW SALARIES	CW	S4	03	967	0	0	0	0	967	0	967	0	0	0	0	967	0	0	0	0	967	
Sub-total						27,969	12,587	6,921	2,301	1,145	50,923	1,706	52,629	0	0	0	0	52,629	0	0	0	0	52,629
WAS906973 SEWER REPLACEMENT PROGRAM																							
0 3	10YR SEWER REPLACEMENT	CW	S6	03	0	0	10,500	15,000	15,000	40,500	75,000	115,500	0	0	9,294	0	106,206	0	0	0	0	115,500	
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	25	
0 25	2012 SEWER REPLC	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	100	
0 35	2013 SEWER REPLC	CW	S2	03	9	0	0	0	0	9	0	9	0	0	1	0	8	0	0	0	0	9	
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	335	0	0	0	0	335	0	335	0	0	27	0	308	0	0	0	0	335	
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW	S6	03	0	0	125	825	1,350	2,300	22,100	24,400	0	0	0	0	24,400	0	0	0	0	24,400	
0 46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	1,483	0	0	0	0	1,483	0	1,483	0	0	970	0	513	0	0	0	0	1,483	
0 47	EBF REPORT	CW	S2	04	400	0	0	0	0	400	0	400	0	0	262	0	138	0	0	0	0	400	

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS906981	HIGHLAND CREEK WWTP UPGRADES																								
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,167	1,015	1,057	1,152	35	5,426	0	5,426	0	0	0	0	5,426	0	0	0	0	0	5,426		
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	416	42	5	0	0	463	0	463	0	0	37	0	426	0	0	0	0	0	463		
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	200	800	500	0	0	1,500	0	1,500	0	0	120	0	1,380	0	0	0	0	0	1,500		
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	120	0	0	0	0	120	0	120	0	0	0	0	120	0	0	0	0	0	120		
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	6,677	5,000	5,500	0	0	17,177	0	17,177	0	0	0	0	17,177	0	0	0	0	0	17,177		
0 23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	835	4,800	0	0	0	5,635	0	5,635	0	0	0	0	5,635	0	0	0	0	0	5,635		
0 32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	1,522	4,000	1,300	550	50	7,422	0	7,422	0	0	0	0	7,422	0	0	0	0	0	7,422		
0 80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	118	120	46	15	14	313	0	313	0	0	0	0	313	0	0	0	0	0	313		
0 90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200		
0 92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	3,459	2,979	1,995	900	0	9,333	0	9,333	0	0	0	0	9,333	0	0	0	0	0	9,333		
0 101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	14,000	14,000	12,900	12,100	0	53,000	0	53,000	0	0	0	0	53,000	0	0	0	0	0	53,000		
0 102	LIQUID TRAIN - ENGINEERING	CW	S2	03	2,940	8,700	3,700	3,100	4,100	22,540	26,380	48,920	0	0	0	0	48,920	0	0	0	0	0	48,920		
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	0	0	0	0	2,500	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500		
0 105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6	03	0	0	0	0	0	0	29,100	29,100	0	0	0	0	29,100	0	0	0	0	0	29,100		
0 123	COMMUNICATION SYSTEM	CW	S2	04	233	475	1,500	1,250	50	3,508	0	3,508	0	0	0	0	3,508	0	0	0	0	0	3,508		
0 139	PROCESS & FACILITY UPGRADE-2018 SC	CW	S3	04	-913	1,369	550	498	1,565	3,069	85	3,154	0	0	0	0	3,154	0	0	0	0	0	3,154		
0 140	BIOSOLIDS TREATMENT UPGRADES -2018 SC	CW	S3	03	482	198	26	0	0	706	0	706	0	0	58	0	648	0	0	0	0	0	706		
0 141	DIGESTER GAS SYSTEM UPGRADES-2018 SC	CW	S3	03	98	0	-18	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80		
0 142	LIQUID TRAIN - ENGINEERING-2018 SC	CW	S3	03	-1,015	-4,450	1,700	2,000	-1,460	-3,225	3,207	-18	0	0	0	0	-18	0	0	0	0	0	-18		
0 143	LIQUID TRAIN REPAIRS - PHASE 1-2018 SC	CW	S3	03	-1,928	32,261	33,045	18,100	10,000	91,478	0	91,478	0	0	0	0	91,478	0	0	0	0	0	91,478		
0 144	TRANSFORMERS AND SWITCHGEAR-2018 SC	CW	S3	05	-190	-610	300	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0 145	AERATION SYSTEM & ASSOCIATED BLDG UPGRADES-2018 SC	CW	S3	04	-14,000	-14,000	-12,900	-12,100	0	-53,000	0	-53,000	0	0	0	0	-53,000	0	0	0	0	0	-53,000		
0 146	DIGESTER CLEANING, REHAB IMPROVEMENTS #4-7-2018 SC	CW	S3	03	-24	219	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195		

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS906981	HIGHLAND CREEK WWTP UPGRADES																								
0 147	PROCESS IMPROVEMENTS (ROADMAP FOR RCM) - 2018 SC	CW	S3	03	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200		
0 148	MECH & ELECTRICAL UPGRADE ENGINEERING - 2018 SC	CW	S3	03	-91	60	0	0	0	-31	0	-31	0	0	0	0	-31	0	0	0	0	0	-31		
0 149	CEPA COMPLIANCE - CL NOTICE - HCTP - 2018 SC	CW	S3	02	-622	900	7,600	7,982	0	15,860	0	15,860	0	0	0	0	15,860	0	0	0	0	0	15,860		
0 150	ELECTRICAL UPGRADES - ECAR - 2018 SC	CW	S3	03	-440	692	0	0	0	252	0	252	0	0	0	0	252	0	0	0	0	0	252		
0 151	COMMUNICATION SYSTEM - 2018 SC	CW	S3	04	42	-275	750	970	-30	1,457	10	1,467	0	0	0	0	1,467	0	0	0	0	0	1,467		
Sub-total					14,086	58,295	59,556	37,017	14,324	183,278	183,282	366,560	0	0	215	0	366,345	0	0	0	0	0	366,560		
WAS906982	HUMBER WWTP UPGRADES																								
0 2	CHLORINE FACILITY UPGRADE	CW	S2	01	643	0	0	0	0	643	0	643	0	0	0	0	643	0	0	0	0	0	643		
0 6	NEW SUBSTATION	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5		
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,677	2,710	23	23	0	5,433	0	5,433	0	0	0	0	5,433	0	0	0	0	0	5,433		
0 29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	500	605	500	443	20	2,068	0	2,068	0	0	0	0	2,068	0	0	0	0	0	2,068		
0 52	HVAC UPGRADES	CW	S2	03	8,016	2,150	17	17	0	10,200	0	10,200	0	0	0	0	10,200	0	0	0	0	0	10,200		
0 81	BLOWER REPLACEMENT	CW	S2	03	250	100	200	750	4,700	6,000	12,650	18,650	0	0	0	0	18,650	0	0	0	0	0	18,650		
0 82	DIGESTERS CLEANING REHAB	CW	S4	03	550	1,400	1,500	1,500	1,550	6,500	0	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500		
0 84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	6,500	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500		
0 95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,800	4,500	2,700	50	50	9,100	0	9,100	0	0	0	0	9,100	0	0	0	0	0	9,100		
0 99	WET WEATHER FLOW	CW	S2	04	2,100	1,500	1,000	0	0	4,600	0	4,600	0	0	0	0	4,600	0	0	0	0	0	4,600		
0 107	MESI UPGRADES	CW	S2	03	860	500	500	500	0	2,360	0	2,360	0	0	0	0	2,360	0	0	0	0	0	2,360		
0 108	BUILDING UPGRADES ENGINEERING	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100		
0 114	FIELD OFFICE	CW	S2	03	471	0	0	0	0	471	0	471	0	0	0	0	471	0	0	0	0	0	471		
0 115	ADMIN BUILDING EXPANSION - CONSTRUCTION	CW	S4	04	500	5,000	6,500	6,000	4,000	22,000	3,000	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000		
0 116	SERVICE REHAB AND UPGRADES	CW	S2	03	1,000	500	8,250	8,250	8,000	26,000	0	26,000	0	0	0	0	26,000	0	0	0	0	0	26,000		
0 117	BLOWER REPLACEMENT-2018 SC	CW	S3	03	-250	-100	-200	-750	-4,600	-5,900	100	-5,800	0	0	0	0	-5,800	0	0	0	0	0	-5,800		
0 118	WET WEATHER FLOW-2018 SC	CW	S3	04	-1,700	-1,000	-400	2,500	4,750	4,150	4,500	8,650	0	0	0	0	8,650	0	0	0	0	0	8,650		

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906982 HUMBER WWTP UPGRADES																								
0 119	SERVICE REHAB AND UPGRADES-2018 SC	CW	S3	03	-1,000	100	-7,750	-5,750	-3,250	-17,650	4,500	-13,150	0	0	0	0	-13,150	0	0	0	0	0	-13,150	
0 120	ELECTRICAL CONDITION ASSESSMENT RECOMM - 2018 SC	CW	S3	01	-256	-48	0	0	0	-304	0	-304	0	0	0	0	-304	0	0	0	0	0	-304	
0 121	OPERATIONS CONTROL CENTRE - ENGINEERING - 2018 SC	CW	S3	04	117	162	300	11	407	997	0	997	0	0	0	0	997	0	0	0	0	0	997	
0 122	REPLACEMENT OF WASTE GAS BURNERS - 2018 SC	CW	S3	03	-550	3,400	2,800	2,720	-10	8,360	0	8,360	0	0	0	0	8,360	0	0	0	0	0	8,360	
0 123	BUILDING UPGRADES ENGINEERING - 2018 SC	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100	
0 124	CHLORINE FACILITY UPGRADE - 2018 SC	CW	S3	01	-638	718	0	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80	
0 125	NEW SUBSTATION - 2018 SC	CW	S3	03	7	20	0	0	0	27	0	27	0	0	0	0	27	0	0	0	0	0	27	
0 126	HVAC UPGRADES - 2018 SC	CW	S3	03	-2,106	1,610	2,305	0	0	1,809	0	1,809	0	0	0	0	1,809	0	0	0	0	0	1,809	
0 127	MESI UPGRADES - 2018 SC	CW	S3	03	-360	0	0	0	500	140	0	140	0	0	0	0	140	0	0	0	0	0	140	
0 128	FIELD OFFICE - 2018 SC	CW	S3	03	191	0	0	0	0	191	0	191	0	0	0	0	191	0	0	0	0	0	191	
Sub-total					12,827	23,827	18,245	16,264	16,117	87,280	31,250	118,530	0	0	0	0	118,530	0	0	0	0	0	118,530	
WAS906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HA																								
0 1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	2,557	2,500	2,500	2,200	2,200	11,957	3,400	15,357	0	0	1,236	0	14,121	0	0	0	0	0	15,357	
0 3	WAS THICKENING - CONSTR	CW	S2	03	504	0	0	0	0	504	0	504	0	0	41	0	463	0	0	0	0	0	504	
0 8	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S4	04	10	70	3,000	25,000	25,000	53,080	53,920	107,000	0	0	8,611	0	98,389	0	0	0	0	0	107,000	
0 19	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2018 SC	CW	S3	04	-57	0	500	0	-200	243	3,050	3,293	0	0	265	0	3,028	0	0	0	0	0	3,293	
0 20	WAS THICKENING - CONSTR-2018 SC	CW	S3	03	-9	0	0	0	0	-9	0	-9	0	0	-1	0	-8	0	0	0	0	0	-9	
0 21	FLUIDIZED BED INCINERATOR	CW	S6	03	0	0	0	0	0	0	22,000	22,000	0	0	0	0	22,000	0	0	0	0	0	22,000	
Sub-total					3,005	2,570	6,000	27,200	27,000	65,775	82,370	148,145	0	0	10,152	0	137,993	0	0	0	0	0	148,145	
WAS907038 Land Acquisition for Source Water Protect																								
0 9	TRCA - CRITICAL EROSION SITES - FUTURE	CW	S6	04	0	2,000	2,000	2,000	2,000	8,000	10,000	18,000	0	0	0	0	18,000	0	0	0	0	0	18,000	
0 21	TRCA - WATERCOURSE EROSION CONTROL	CW	S6	04	0	7,500	7,500	7,500	7,500	30,000	45,000	75,000	0	0	0	0	25,000	0	0	50,000	0	0	75,000	
0 25	TRCA - SCARBOROUGH WATERFRONT WEST EA	CW	S2	04	1,200	350	0	0	0	1,550	0	1,550	0	0	124	0	1,426	0	0	0	0	0	1,550	
0 29	TRCA - CRITICAL EROSION SITES	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	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater Program						Current and Future Year Cash Flow Commitments								Current and Future Year Cash Flow Commitments Financed By											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS907038 Land Acquisition for Source Water Protect																									
0	30	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2018 SC	CW	S3	04	800	0	0	0	0	800	0	800	0	0	64	0	736	0	0	0	0	0	800	
0	31	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2018 SC	CW	S3	04	-350	450	0	0	0	100	0	100	0	0	8	0	92	0	0	0	0	0	100	
0	32	SUNNYSIDE SPS - WETWELL	CW	S6	03	0	0	30	400	1,660	2,090	410	2,500	0	0	201	0	2,299	0	0	0	0	0	2,500	
Sub-total						9,650	10,300	9,530	9,900	11,160	50,540	55,410	105,950	0	0	1,041	0	54,909	0	0	50,000	0	0	105,950	
WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC																									
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	100	100	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0	19	BIO GAS UTILIZATION	CW	S2	04	1,200	1,000	2,000	2,000	50	6,250	50	6,300	0	0	0	0	6,300	0	0	0	0	0	6,300	
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	1,970	1,970	165	210	1,045	5,360	10	5,370	0	0	0	0	5,370	0	0	0	0	0	5,370	
0	40	GROVE LANDSCAPING - PHASE 2	CW	S6	04	0	0	0	0	0	0	8,165	8,165	0	0	0	0	8,165	0	0	0	0	0	8,165	
0	52	CONTROLLED SUBSTANCE IDENTIFICATION&ABATEMENT - FY	CW	S6	03	0	0	0	100	100	200	500	700	0	0	0	0	700	0	0	0	0	0	700	
0	64	GROVE LANDSCAPING - PHASE 1	CW	S2	04	2,256	0	0	0	0	2,256	0	2,256	0	0	0	0	2,256	0	0	0	0	0	2,256	
0	65	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2018 SC	CW	S3	04	404	2,700	5,309	-187	-1,045	7,181	-10	7,171	0	0	0	0	7,171	0	0	0	0	0	7,171	
0	66	GROVE LANDSCAPING - PHASE 1-2018 SC	CW	S3	04	1,486	7	7	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	
0	67	BIO GAS UTILIZATION - 2018 SC	CW	S3	04	-1,000	-200	-1,000	-1,000	1,950	-1,250	3,100	1,850	0	0	0	0	1,850	0	0	0	0	0	1,850	
Sub-total						6,416	5,577	6,581	1,123	2,100	21,797	11,815	33,612	0	0	0	0	33,612	0	0	0	0	0	33,612	
WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE																									
0	1	DISINFECTION ENGINEERING	CW	S2	02	4,456	2,497	1,607	75	75	8,710	0	8,710	0	0	700	0	8,010	0	0	0	0	0	8,710	
0	2	OUTFALL CONSTRUCTION	CW	S4	02	5,000	30,000	52,000	57,000	62,000	206,000	121,000	327,000	0	0	26,316	0	300,684	0	0	0	0	0	327,000	
0	13	OUTFALL ASSESSMENT	CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5	
0	14	OUTFALL ENGINEERING	CW	S2	02	5,874	4,380	3,400	3,400	2,500	19,554	7,335	26,889	0	0	2,163	0	24,726	0	0	0	0	0	26,889	
0	15	DISINFECTION SYSTEM CONSTRUCTION	CW	S2	02	75,080	90,000	64,900	0	0	229,980	0	229,980	0	0	18,508	0	211,472	0	0	0	0	0	229,980	
0	31	OUTFALL - SITE PREP	CW	S2	02	450	0	0	0	0	450	0	450	0	0	36	0	414	0	0	0	0	0	450	
0	33	DISINFECTION ENGINEERING-2018 SC	CW	S3	02	-3,656	2,403	-57	1,000	417	107	133	240	0	0	21	0	219	0	0	0	0	0	240	
0	34	DISINFECTION SYSTEM CONSTRUCTION-2018 SC	CW	S3	02	-24,945	-19,865	5,235	50,000	41,000	51,425	0	51,425	0	0	4,139	0	47,286	0	0	0	0	0	51,425	

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Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HA																								
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,005	2,000	2,000	2,298	400	9,703	304	10,007	0	0	805	0	9,202	0	0	0	0	0	10,007	
0 4	DIGESTERS 9-12 REFURBISH	CW	S2	03	3,373	15,010	9,010	6,481	10	33,884	80	33,964	0	0	2,733	0	31,231	0	0	0	0	0	33,964	
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800	
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S2	03	20,000	25,000	32,000	30,000	27,000	134,000	15,000	149,000	0	0	11,991	0	137,009	0	0	0	0	0	149,000	
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	937	1,290	0	0	0	2,227	0	2,227	0	0	0	0	2,227	0	0	0	0	0	2,227	
0 49	DIGESTERS 9-12 REFURBISH-2018 SC	CW	S3	03	3,977	968	1,757	4	2	6,708	0	6,708	0	0	541	0	6,167	0	0	0	0	0	6,708	
0 50	WASTE ACTIVATED SLUDGE UPGRADE - ENG-2018 SC	CW	S3	03	-1,073	500	500	202	1,600	1,729	500	2,229	0	0	178	0	2,051	0	0	0	0	0	2,229	
0 51	WASTE ACTIVATED SLUDGE UPGRADE - CONST-2018 SC	CW	S3	03	-14,677	10,000	3,000	5,000	3,000	6,323	5,000	11,323	0	0	912	0	10,411	0	0	0	0	0	11,323	
0 52	PRIMARY SLUDGE BUFFER TANK AND HEAT RECOVERY	CW	S6	04	0	150	200	1,725	3,200	5,275	225	5,500	0	0	0	0	5,500	0	0	0	0	0	5,500	
0 53	PELLETIZER FACILITY	CW	S6	03	0	1,600	2,000	2,000	4,100	9,700	95,850	105,550	0	0	0	0	105,550	0	0	0	0	0	105,550	
0 54	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2018 SC	CW	S3	03	-347	-542	695	820	55	681	55	736	0	0	0	0	736	0	0	0	0	0	736	
0 55	BIOSOLIDS PELLETIZER RETROFIT - 2018 SC	CW	S3	03	0	0	400	400	400	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200	
Sub-total					15,595	56,376	51,562	48,930	39,767	212,230	117,014	329,244	0	0	17,160	0	312,084	0	0	0	0	0	329,244	
WAS907101 ASHBRIDGES BAY WWTP - O&M UPGRADES																								
0 5	BOILER #4 DESIGN	CW	S2	03	11	6	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17	
0 6	MESI UPGRADES	CW	S2	03	3,432	3,167	0	0	0	6,599	0	6,599	0	0	0	0	6,599	0	0	0	0	0	6,599	
0 7	MISC MECH REHAB	CW	S2	03	6,256	0	0	0	0	6,256	0	6,256	0	0	0	0	6,256	0	0	0	0	0	6,256	
0 21	MESI UPGRADES - FUTURE YEAR	CW	S6	03	0	0	0	3,000	3,000	6,000	15,600	21,600	0	0	0	0	21,600	0	0	0	0	0	21,600	
0 35	BOILER #4 DESIGN - 2018 SC	CW	S3	03	0	-6	0	0	0	-6	0	-6	0	0	0	0	-6	0	0	0	0	0	-6	
0 36	MISC MECH REHAB - 2018 SC	CW	S3	03	-1,856	2,200	0	0	0	344	0	344	0	0	0	0	344	0	0	0	0	0	344	
0 37	MESI UPGRADES - 2018 SC	CW	S3	03	-563	-205	3,000	0	0	2,232	0	2,232	0	0	0	0	2,232	0	0	0	0	0	2,232	
Sub-total					7,280	5,162	3,000	3,000	3,000	21,442	15,600	37,042	0	0	0	0	37,042	0	0	0	0	0	37,042	
WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL																								
0 6	BIOFILTERS UPGRADE & REPLACEMENT	CW	S2	03	5,434	100	0	0	0	5,534	0	5,534	0	0	445	0	5,089	0	0	0	0	0	5,534	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>																								
0	13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	220	0	0	0	0	220	0	220	0	0	18	0	202	0	0	0	0	0	220
0	40	BIOFILTERS UPGRADE & REPLACEMENT-2018 SC	CW	S3	03	-134	1,092	850	72	0	1,880	0	1,880	0	0	152	0	1,728	0	0	0	0	0	1,880
0	41	D BUILDING TREATMENT & BIOFILTER-2018 SC	CW	S3	03	-110	493	0	0	0	383	0	383	0	0	31	0	352	0	0	0	0	0	383
Sub-total						5,410	1,685	850	72	0	8,017	0	8,017	0	0	646	0	7,371	0	0	0	0	0	8,017
<u>WAS907104 HUMBER WWTP - LIQUID TREATMENT & HAN</u>																								
0	2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	7,576	4,750	4,805	5,193	150	22,474	694	23,168	0	0	1,863	0	21,305	0	0	0	0	0	23,168
0	17	SECONDARY TREATMENT UPGRADES - NORTH PLANT	CW	S6	03	0	0	0	150	1,000	1,150	114,350	115,500	0	0	9,300	0	106,200	0	0	0	0	0	115,500
0	19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03	46,555	28,500	28,500	19,003	15,000	137,558	0	137,558	0	0	11,078	0	126,480	0	0	0	0	0	137,558
0	26	SECONDARY TREATMENT UPGRADES - SOUTH - ENG-2018 SC	CW	S3	03	-4,566	-1,450	-1,505	-1,893	3,110	-6,304	5,721	-583	0	0	-45	0	-538	0	0	0	0	0	-583
0	27	SECONDARY TREATMENT UPGRADES -SOUTH-CONS-2018 SC	CW	S3	03	-23,555	-5,500	-4,500	11,997	-3,000	-24,558	27,290	2,732	0	0	217	0	2,515	0	0	0	0	0	2,732
Sub-total						26,010	26,300	27,300	34,450	16,260	130,320	148,055	278,375	0	0	22,413	0	255,962	0	0	0	0	0	278,375
<u>WAS907105 HUMBER WWTP - O&M UPGRADES</u>																								
0	1	GAS COMPRESSOR SYSTEM UPGRADES	CW	S2	03	1,050	64	0	0	0	1,114	0	1,114	0	0	0	0	1,114	0	0	0	0	0	1,114
0	2	LIQUID STREAM UPGRADES	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	33	GAS COMPRESSOR SYSTEM UPGRADES - 2018 SC	CW	S3	03	-99	453	0	0	0	354	0	354	0	0	0	0	354	0	0	0	0	0	354
0	34	LIQUID STREAM UPGRADES - 2018 SC	CW	S3	03	0	386	0	0	0	386	0	386	0	0	31	0	355	0	0	0	0	0	386
Sub-total						956	903	0	0	0	1,859	0	1,859	0	0	31	0	1,828	0	0	0	0	0	1,859
<u>WAS907106 HUMBER WWTP - ODOUR CONTROL</u>																								
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	3,986	0	0	0	0	3,986	0	3,986	0	0	321	0	3,665	0	0	0	0	0	3,986
0	14	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2018 SC	CW	S3	02	-1,004	1,000	0	0	0	-4	0	-4	0	0	-1	0	-3	0	0	0	0	0	-4
Sub-total						2,982	1,000	0	0	0	3,982	0	3,982	0	0	320	0	3,662	0	0	0	0	0	3,982
<u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u>																								
0	1	SPS UPGRADES	CW	S2	02	4,768	1,000	0	0	0	5,768	0	5,768	0	0	464	0	5,304	0	0	0	0	0	5,768
0	18	SPS UPGRADES - GROUP 6	CW	S2	02	400	3,394	6,250	5,356	4,390	19,790	3,148	22,938	0	0	1,845	0	21,093	0	0	0	0	0	22,938
0	26	SPS UPGRADES - GROUP 7	CW	S4	02	175	375	3,025	3,125	2,600	9,300	5,400	14,700	0	0	1,184	0	13,516	0	0	0	0	0	14,700

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS907224 SEWAGE PUMPING STATION UPGRADES																								
0	32	SPS UPGRADES - GROUP 6-2018 SC	CW	S3	02	0	497	-1,000	0	0	-503	505	2	0	0	1	0	1	0	0	0	0	0	2
0	33	SPS UPGRADES - 2018 SC	CW	S3	02	-1,766	500	750	0	0	-516	0	-516	0	0	-41	0	-475	0	0	0	0	0	-516
0	34	FACILITY & PROCESS UPGRADES	CW	S4	03	100	400	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0	35	SCOTT ST PS & SIMCOE ST PS	CW	S4	05	100	150	400	3,350	4,265	8,265	1,985	10,250	0	0	825	0	9,425	0	0	0	0	0	10,250
0	36	SPS UPGRADES - GRINDERS	CW	S6	03	0	0	100	250	200	550	3,225	3,775	0	0	0	0	3,775	0	0	0	0	0	3,775
0	37	SPS UPGRADES - GROUP 8	CW	S6	02	0	0	0	0	100	100	23,250	23,350	0	0	1,879	0	21,471	0	0	0	0	0	23,350
0	38	SPS UPGRADES - VFD	CW	S6	03	0	0	0	0	50	50	4,700	4,750	0	0	0	0	4,750	0	0	0	0	0	4,750
Sub-total						3,777	6,316	10,025	12,581	12,105	44,804	42,213	87,017	0	0	6,157	0	80,860	0	0	0	0	0	87,017
WAS907559 DON & WATERFRONT TRUNK CSO																								
0	1	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	CW	S2	04	5,671	9,054	6,475	6,475	6,475	34,150	1,076	35,226	0	0	2,834	0	32,392	0	0	0	0	0	35,226
0	4	Don & Waterfront Trunk/CSO Construction - PHASE 2	CW	S6	04	0	0	0	0	0	0	38,000	38,000	0	0	0	0	38,000	0	0	0	0	0	38,000
0	15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S4	04	6,800	2,850	0	0	0	9,650	0	9,650	0	0	776	0	8,874	0	0	0	0	0	9,650
0	17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S2	04	500	700	10,400	2,700	50	14,350	50	14,400	0	0	1,158	0	13,242	0	0	0	0	0	14,400
0	18	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S4	04	17,500	80,000	85,000	85,000	85,000	352,500	147,500	500,000	0	0	34,917	0	465,083	0	0	0	0	0	500,000
0	19	DCW - MTI REGULATION/RTC	CW	S6	04	0	500	5,250	6,750	2,150	14,650	150	14,800	0	0	0	0	14,800	0	0	0	0	0	14,800
0	20	DCW - HRT	CW	S6	04	0	0	150	4,000	4,000	8,150	307,650	315,800	0	0	14,000	0	301,800	0	0	0	0	0	315,800
0	21	DCW - COXWELL CONNECTIONS	CW	S6	04	0	0	0	0	0	0	75,800	75,800	0	0	0	0	75,800	0	0	0	0	0	75,800
0	22	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN-2018 SC	CW	S3	04	-1,247	1,379	0	0	0	132	0	132	0	0	11	0	121	0	0	0	0	0	132
0	23	DCW P1 OFFLINE STORAGE TANK SHEPPARD/LESLIE-2018SC	CW	S3	04	0	500	775	1,360	1	2,636	0	2,636	0	0	214	0	2,422	0	0	0	0	0	2,636
Sub-total						29,224	94,983	108,050	106,285	97,676	436,218	570,226	1,006,444	0	0	53,910	0	952,534	0	0	0	0	0	1,006,444
WAS907700 NORTH TORONTO WTP UPGRADES																								
0	2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	1,754	2,724	1,198	0	0	5,676	0	5,676	0	0	0	0	5,676	0	0	0	0	0	5,676
0	10	OPS INTERFACE NTTP	CW	S2	04	300	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	11	NTTP - PROCESS IMPROVEMENTS	CW	S2	04	4,496	4,000	1,340	50	0	9,886	0	9,886	0	0	0	0	9,886	0	0	0	0	0	9,886

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
0	13	NTTP - ELECTRICAL UPGRADES - ECAR - 2018 SC	CW	S3	01	-594	-294	793	1,585	31	1,521	0	1,521	0	0	0	0	1,521	0	0	0	0	1,521
0	14	NTTP - PROCESS IMPROVEMENTS - 2018 SC	CW	S3	04	-3,496	1,250	3,760	0	50	1,564	0	1,564	0	0	0	0	1,564	0	0	0	0	1,564
Sub-total						2,460	7,680	7,091	1,635	81	18,947	0	18,947	0	0	0	0	18,947	0	0	0	0	18,947
WAS908143 Georgetown South City Infrastructure Upgrades																							
0	1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	6,132	5,680	0	0	0	11,812	0	11,812	0	0	36	0	11,776	0	0	0	0	11,812
0	8	GEORGETOWN SOUTH CITY INFRASTR UPGRADES - 2018 SC	CW	S3	05	-1,017	-565	0	0	0	-1,582	0	-1,582	0	0	788	0	-2,370	0	0	0	0	-1,582
Sub-total						5,115	5,115	0	0	0	10,230	0	10,230	0	0	824	0	9,406	0	0	0	0	10,230
WASWP003 EMERY CREEK POND																							
0	1	EMERY CREEK POND	CW	S2	04	544	50	50	0	0	644	0	644	0	0	52	0	592	0	0	0	0	644
0	16	EMERY CREEK POND-2018 SC	CW	S3	04	-50	497	44	0	0	491	0	491	0	0	40	0	451	0	0	0	0	491
Sub-total						494	547	94	0	0	1,135	0	1,135	0	0	92	0	1,043	0	0	0	0	1,135
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION																							
0	78	EQUIPMENT REPLACEMENT	CW	S2	03	9,032	5,802	4,000	0	0	18,834	0	18,834	0	0	0	0	18,834	0	0	0	0	18,834
0	135	EQUIPMENT REPLACEMENT - 2018 SC	CW	S3	03	-3,327	930	2,100	695	40	438	53	491	0	0	0	0	491	0	0	0	0	491
0	136	ABTP - DIG. TANKS #1-8 MODS.	CW	S4	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1
Sub-total						5,706	6,732	6,100	695	40	19,273	53	19,326	0	0	0	0	19,326	0	0	0	0	19,326
Total Program Expenditure						576,796	902,255	944,840	891,360	791,545	4,106,796	4,207,336	8,314,132	0	0	299,295	0	7,964,837	0	0	50,000	0	8,314,132

Report Phase 2 - Program 11 Wastewater Program Program Phase 2 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Wastewater Program						Current and Future Year Cash Flow Commitments and Estimates							Current and Future Year Cash Flow Commitments and Estimates Financed By									
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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				23,194	37,577	38,917	38,007	25,423	163,118	136,177	299,295	0	0	299,295	0	0	0	0	0	299,295
		Reserve Funds (Ind."XR" Ref.)				553,602	859,678	900,923	848,353	761,122	3,923,678	4,041,159	7,964,837	0	0	0	0	7,964,837	0	0	0	7,964,837
		Other2 (External)				0	5,000	5,000	5,000	5,000	20,000	30,000	50,000	0	0	0	0	0	0	50,000	0	50,000
Total Program Financing						576,796	902,255	944,840	891,360	791,545	4,106,796	4,207,336	8,314,132	0	0	299,295	0	7,964,837	0	0	50,000	8,314,132

Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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 2019 & 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

Appendix 4

2018 Cash Flow and Future Year Commitments

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2018 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- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT000004 HORGAN W.T.P. EXPANSION																									
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	83	0	0	0	0	83	0	83	0	0	27	0	29	0	0	27	0	0	83	
0	39	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	0	0	0	0	40	40	0	40	0	0	13	0	14	0	0	13	0	0	40	
0	40	PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018 SC	CW	S3	05	-75	0	0	0	0	-75	0	-75	0	0	-24	0	-27	0	0	-24	0	0	-75	
0	41	PLANT EXPANSION - CONSTRUCTION-2018 SC	CW	S3	05	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total						8	0	0	0	41	49	0	49	0	0	16	0	17	0	0	16	0	0	49	
WAT000014 WATER STORAGE EXPANSION																									
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	37	0	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37	
Sub-total						37	0	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0	0	37	
WAT000018 CLARK RESIDUE MGMT. FACILITIES																									
0	24	RESIDUALS RETROFITS AND UPGRADES	CW	S2	02	2,841	700	0	0	0	3,541	0	3,541	0	0	0	0	3,541	0	0	0	0	0	3,541	
0	30	RESIDUALS RETROFITS AND UPGRADES - 2018 SC	CW	S3	02	42	2,050	0	0	0	2,092	0	2,092	0	0	0	0	2,092	0	0	0	0	0	2,092	
Sub-total						2,883	2,750	0	0	0	5,633	0	5,633	0	0	0	0	5,633	0	0	0	0	0	5,633	
WAT000021 WATER EFFICIENCY PROGRAM																									
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	0	0	0	600	0	600	0	0	600	0	0	0	0	0	0	0	600	
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	225	150	0	0	0	375	0	375	0	0	375	0	0	0	0	0	0	0	375	
0	12	ANCILLARY COSTS	CW	S2	05	70	70	35	0	0	175	0	175	0	0	175	0	0	0	0	0	0	0	175	
0	94	PUBLIC EDUCATION & PROMOTIONS - 2018 SC	CW	S3	05	-150	-75	75	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	95	ICI INDOOR WATER AUDIT - 2018 SC	CW	S3	05	0	0	300	300	300	900	0	900	0	0	900	0	0	0	0	0	0	0	900	
0	96	ANCILLARY COSTS - 2018 SC	CW	S3	05	0	0	35	70	70	175	0	175	0	0	175	0	0	0	0	0	0	0	175	
Sub-total						445	445	445	445	445	2,225	0	2,225	0	0	2,225	0	0	0	0	0	0	0	2,225	
WAT000363 ENGINEERING STUDIES																									
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	183	0	0	0	0	183	0	183	0	0	0	0	128	0	0	55	0	0	183	
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	0	0	0	0	147	
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	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2018 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT000363	ENGINEERING STUDIES																						
0 76	ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	CW	S3	04	-117	0	0	0	0	-117	0	-117	0	0	0	0	-117	0	0	0	0	0	-117
0 78	IMPROVED TREATMENT STUDIES - 2018 SC	CW	S3	04	-73	50	0	0	0	-23	0	-23	0	0	0	0	-16	0	0	-7	0	0	-23
Sub-total					244	150	0	0	0	394	0	394	0	0	0	0	346	0	0	48	0	0	394
WAT906334	BUSINESS SYSTEM INFRASTRUCTURE - PW																						
0 12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	85	65	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	350	200	200	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0 41	SCADA UPGRADES FOR WWT	CW	S2	04	6,306	8,925	5,090	200	60	20,581	0	20,581	0	0	0	0	20,581	0	0	0	0	0	20,581
0 67	SCADA UPGRADES FOR WWT - II	CW	S2	04	1,361	710	584	0	0	2,655	0	2,655	0	0	0	0	2,655	0	0	0	0	0	2,655
0 85	NETWORK IMPROVEMENTS	CW	S2	04	1,510	0	0	0	0	1,510	0	1,510	0	0	0	0	1,510	0	0	0	0	0	1,510
0 86	BLANKET CONTRACT MGMT TOOL	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
0 87	PCS UPGRADES 2017	CW	S2	04	315	210	0	0	0	525	0	525	0	0	0	0	525	0	0	0	0	0	525
0 88	TRUNK RADIO - EQUIPMENT	CW	S2	03	1,400	0	0	0	0	1,400	0	1,400	0	0	0	0	1,400	0	0	0	0	0	1,400
0 97	SCADA SOFTWARE	CW	S2	04	276	220	220	220	0	936	0	936	0	0	0	0	936	0	0	0	0	0	936
0 98	SCADA UPGRADES FOR WWT-2018 SC	CW	S3	04	-3,843	-5,633	-2,038	3,680	3,125	-4,709	4,625	-84	0	0	0	0	-84	0	0	0	0	0	-84
0 99	SCADA UPGRADES FOR WWT - II -2018 SC	CW	S3	04	-95	67	77	0	0	49	0	49	0	0	0	0	49	0	0	0	0	0	49
0 100	TRUNK RADIO - EQUIPMENT-2018 SC	CW	S3	03	-1,400	160	0	78	80	-1,082	0	-1,082	0	0	0	0	-1,082	0	0	0	0	0	-1,082
0 101	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2018 SC	CW	S3	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6
0 102	RELIABILITY IMPROVEMENT PROGRAM - 2018 SC	CW	S3	04	-130	40	40	140	40	130	0	130	0	0	0	0	130	0	0	0	0	0	130
0 103	PCS LEGACY ALARM IMPROVEMENT - 2018 SC	CW	S3	04	-65	-45	0	0	0	-110	0	-110	0	0	0	0	-110	0	0	0	0	0	-110
0 104	PCS UPGRADES FOR WATER SUPPLY - 2018 SC	CW	S3	04	17	0	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 105	BLANKET CONTRACT MGMT TOOL - 2018 SC	CW	S3	04	-150	0	0	0	0	-150	0	-150	0	0	0	0	-150	0	0	0	0	0	-150
0 106	NETWORK IMPROVEMENTS - 2018 SC	CW	S3	04	-341	505	0	0	0	164	0	164	0	0	0	0	164	0	0	0	0	0	164
0 107	PCS UPGRADES 2017 - 2018 SC	CW	S3	04	-210	0	105	0	0	-105	0	-105	0	0	0	0	-105	0	0	0	0	0	-105

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Appendix 4: 2018 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													
							2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u>																										
0	108	SCADA SOFTWARE - 2018 SC	CW	S3	04		-96	-40	-40	-40	0	-216	0	-216	0	0	0	0	-216	0	0	0	0	0	-216	
Sub-total							5,446	5,384	4,238	4,278	3,305	22,651	4,625	27,276	0	0	0	0	27,276	0	0	0	0	0	27,276	
<u>WAT906340 METERING & METER READING SYS</u>																										
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04		3,450	500	346	0	0	4,296	0	4,296	0	0	0	0	4,296	0	0	0	0	0	4,296	
0	19	AUTOMATED METER READING SYSTEM-2018 SC	CW	S3	04		-150	-500	-346	0	0	-996	0	-996	0	0	0	0	-996	0	0	0	0	0	-996	
Sub-total							3,300	0	0	0	0	3,300	0	3,300	0	0	0	0	3,300	0	0	0	0	0	3,300	
<u>WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</u>																										
0	30	JOS - AVENUE WM CONS HI LEVEL TO LAWRENCE	CW	S2	03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sub-total							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<u>WAT906468 HORGAN TRUNK MAIN EXPANSION</u>																										
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S4	05		400	1,000	1,100	1,700	700	4,900	1,680	6,580	0	0	2,498	0	4,082	0	0	0	0	0	6,580	
Sub-total							400	1,000	1,100	1,700	700	4,900	1,680	6,580	0	0	2,498	0	4,082	0	0	0	0	0	0	6,580
<u>WAT906470 ISLAND W.T.P. R&R</u>																										
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02		1,629	1,000	650	850	200	4,329	100	4,429	0	0	0	0	4,429	0	0	0	0	0	4,429	
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST	CW	S2	02		3,500	4,000	14,000	14,000	6,000	41,500	0	41,500	0	0	2,523	0	38,977	0	0	0	0	0	41,500	
0	32	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2018 SC	CW	S3	02		-299	300	250	130	650	1,031	300	1,331	0	0	0	0	1,331	0	0	0	0	0	1,331	
0	33	CHEMICAL & RESIDUALS MANAGEMENT CONST-2018 SC	CW	S3	02		-750	-2,500	1,000	4,000	1,400	3,150	0	3,150	0	0	191	0	2,959	0	0	0	0	0	3,150	
Sub-total							4,080	2,800	15,900	18,980	8,250	50,010	400	50,410	0	0	2,714	0	47,696	0	0	0	0	0	0	50,410
<u>WAT906481 DISTRICT WATERMAINS - NEW</u>																										
0	1	NEW WM	CW	S2	05		500	0	0	0	0	500	0	500	0	0	500	0	0	0	0	0	0	0	500	
0	16	NEW WM -2018 SC	CW	S3	05		-490	50	500	0	0	60	0	60	0	0	60	0	0	0	0	0	0	0	60	
Sub-total							10	50	500	0	0	560	0	560	0	0	560	0	0	0	0	0	0	0	0	560
<u>WAT906483 PW ENGINEERING</u>																										
0	2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03		3,657	3,000	585	0	0	7,242	0	7,242	0	0	0	0	7,242	0	0	0	0	0	7,242	
0	5	WATERMAIN ASSET PLANNING	CW	S2	03		2,110	1,455	1,050	1,055	1,100	6,770	900	7,670	0	0	1,919	0	2,715	0	0	3,036	0	0	7,670	
0	7	EASEMENT ACQUISITION	CW	S2	04		700	0	0	0	0	700	0	700	0	0	0	0	700	0	0	0	0	0	700	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2018 Cash Flow and Future Year Commitments

Water Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
											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	
Sub-Priority	Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAT906483 PW ENGINEERING																								
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	866	1,418	1,000	1,000	0	4,284	0	4,284	0	0	0	0	4,284	0	0	0	0	0	4,284
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,472	1,000	1,000	1,000	1,000	5,472	2,500	7,972	0	0	1,993	0	5,979	0	0	0	0	0	7,972
0	52	JOS UPDATE PHASE II	CW	S2	05	597	150	0	0	0	747	0	747	0	0	374	0	0	0	373	0	0	747	
0	70	CAPITAL PROG & FACILITY ASSET PLANNING-2018 SC	CW	S3	03	-2,197	903	1,715	0	0	421	0	421	0	0	0	0	421	0	0	0	0	0	421
0	71	WATERMAIN ASSET PLANNING-2018 SC	CW	S3	03	-835	1,224	1,000	0	0	1,389	895	2,284	0	0	571	0	808	0	0	905	0	0	2,284
0	72	EASEMENT ACQUISITION-2018 SC	CW	S3	04	-10	690	0	0	0	680	0	680	0	0	0	0	680	0	0	0	0	0	680
0	73	WATER LOSS REDUCTION STRATEGY-2018 SC	CW	S3	03	-399	-529	-571	0	1,000	-499	1,000	501	0	0	0	0	501	0	0	0	0	0	501
0	74	JOS UPDATE PHASE II-2018 SC	CW	S3	05	-297	507	0	0	0	210	0	210	0	0	105	0	-1	0	0	106	0	0	210
0	75	ASSET MGMT SYSTEM IMPLEMENTATION - 2018 SC	CW	S3	04	-172	300	0	0	0	128	0	128	0	0	32	0	96	0	0	0	0	0	128
Sub-total						5,492	10,118	5,779	3,055	3,100	27,544	5,295	32,839	0	0	4,994	0	23,425	0	0	4,420	0	0	32,839
WAT906749 DOWNTOWN W/M ENHANCEMENT																								
0	1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	10	0	0	0	0	10	0	10	0	0	2	0	0	0	0	8	0	0	10
0	47	JOS - GERRARD ST WM - ENGINEERING - 2018 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	-1	0	0	0	0	-3	0	0	-4
Sub-total						6	0	0	0	0	6	0	6	0	0	1	0	0	0	0	5	0	0	6
WAT906752 TRANSMISSION R&R																								
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	273	260	253	0	0	786	0	786	0	0	0	0	786	0	0	0	0	0	786
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,276	333	88	0	0	1,697	0	1,697	0	0	0	0	1,697	0	0	0	0	0	1,697
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,742	358	442	0	0	2,542	0	2,542	0	0	0	0	2,542	0	0	0	0	0	2,542
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	6,110	991	0	0	0	7,101	0	7,101	0	0	0	0	7,101	0	0	0	0	0	7,101
0	78	TRUNK WATERMAIN REHAB-2018 SC	CW	S3	03	81	0	67	250	250	648	0	648	0	0	0	0	648	0	0	0	0	0	648
0	79	CAST IRON TRUNK REPLC - PHASE 3 - ENG-2018 SC	CW	S3	03	-703	693	265	0	0	255	0	255	0	0	0	0	255	0	0	0	0	0	255
0	80	CAST IRON TRUNK REPLC - PHASE 3 - CONSTR - 2018 SC	CW	S3	03	-169	509	0	0	0	340	0	340	0	0	0	0	340	0	0	0	0	0	340
0	81	CAST IRON TRUNK REPLC - PHASE 2 - 2018 SC	CW	S3	03	-358	100	125	0	0	-133	0	-133	0	0	0	0	-133	0	0	0	0	0	-133
Sub-total						8,252	3,244	1,240	250	250	13,236	0	13,236	0	0	0	0	13,236	0	0	0	0	0	13,236
WAT906900 TRANSMISSION R&R																								

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Appendix 4: 2018 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- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906900 TRANSMISSION R&R																									
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	0	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	8,666	8,120	10	17	0	16,813	0	16,813	0	0	0	0	16,813	0	0	0	0	0	16,813	
0	48	ROSEHILL RESERVOIR	CW	S2	03	12,018	10,350	10,150	3,019	17	35,554	17	35,571	0	0	0	0	35,571	0	0	0	0	0	35,571	
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	293	0	0	0	0	293	0	293	0	0	5	0	288	0	0	0	0	0	293	
0	50	PARKDALE PS REHABILITATION	CW	S2	03	4,354	2,425	329	8	0	7,116	0	7,116	0	0	0	0	7,116	0	0	0	0	0	7,116	
0	51	ROSEHILL PS REHAB	CW	S2	03	3,455	1,164	24	25	0	4,668	0	4,668	0	0	0	0	4,668	0	0	0	0	0	4,668	
0	67	PUMP REPLACEMENTS	CW	S2	03	1,687	100	0	0	0	1,787	0	1,787	0	0	0	0	1,787	0	0	0	0	0	1,787	
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S2	03	330	300	650	350	450	2,080	1,700	3,780	0	0	0	0	3,780	0	0	0	0	0	3,780	
0	74	PS REHAB - PHASE 2 - ENG	CW	S2	03	680	600	1,000	500	400	3,180	1,600	4,780	0	0	0	0	4,780	0	0	0	0	0	4,780	
0	83	TRANS FACILITIES REHAB-2018 SC	CW	S3	03	0	750	750	750	750	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000	
0	84	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2018SC	CW	S3	03	-866	-326	970	0	0	-222	0	-222	0	0	0	0	-222	0	0	0	0	0	-222	
0	85	ROSEHILL RESERVOIR-2018 SC	CW	S3	03	-7,643	2,175	6,575	5,306	0	6,413	0	6,413	0	0	0	0	6,413	0	0	0	0	0	6,413	
0	86	DOWNSVIEW PS & CONNECTOR EA-2018 SC	CW	S3	05	-143	140	0	0	0	-3	0	-3	0	0	105	0	-108	0	0	0	0	0	-3	
0	87	PARKDALE PS REHABILITATION-2018 SC	CW	S3	03	-33	-350	-132	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	0	-515	
0	88	PUMP REPLACEMENTS-2018 SC	CW	S3	03	163	50	0	0	0	213	0	213	0	0	0	0	213	0	0	0	0	0	213	
0	89	RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	20	200	38	230	-440	48	-1,693	-1,645	0	0	0	0	-1,645	0	0	0	0	0	-1,645	
0	90	PS REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	65	800	216	450	-376	1,155	-1,576	-421	0	0	0	0	-421	0	0	0	0	0	-421	
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	CW	S4	03	50	4,000	10,950	6,500	0	21,500	0	21,500	0	0	0	0	21,500	0	0	0	0	0	21,500	
0	95	ROSEHILL PS REHAB - 2018 SC	CW	S3	03	-565	164	24	25	0	-352	0	-352	0	0	0	0	-352	0	0	0	0	0	-352	
Sub-total						23,281	30,662	31,554	17,180	801	103,478	48	103,526	0	0	110	0	103,416	0	0	0	0	0	103,526	
WAT906902 HARRIS W.T.P. R&R																									
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	534	0	0	0	0	534	0	534	0	0	0	0	534	0	0	0	0	0	534	
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,445	4,281	0	0	0	9,726	0	9,726	0	0	0	0	9,726	0	0	0	0	0	9,726	
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,948	65	0	0	0	4,013	0	4,013	0	0	0	0	4,013	0	0	0	0	0	4,013	

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Appendix 4: 2018 Cash Flow and Future Year Commitments

Water Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
											Total	Total	Total				Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2
Sub-Priority	Project SubProj	No. Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAT906902 HARRIS W.T.P. R&R																								
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	8,315	101	10	13	0	8,439	0	8,439	0	0	0	0	8,439	0	0	0	0	0	8,439
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	100	550	550	0	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	4,652	144	7	0	0	4,803	0	4,803	0	0	0	0	4,803	0	0	0	0	0	4,803
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	150	950	0	950	0	0	0	0	950	0	0	0	0	0	950
0	99	CONTROL ROOM RELOCATION	CW	S2	04	525	0	0	0	0	525	0	525	0	0	0	0	525	0	0	0	0	0	525
0	100	EMERGENCY STANDBY POWER	CW	S2	04	1,370	405	0	0	0	1,775	0	1,775	0	0	0	0	1,775	0	0	0	0	0	1,775
0	102	PHONE SYSTEM UPGRADE	CW	S2	03	70	510	0	0	0	580	0	580	0	0	0	0	580	0	0	0	0	0	580
0	106	BUILDING ENVELOPE REHAB	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	112	TRAVELLING SCREENS 3 & 5 UPGRADE	CW	S2	03	300	450	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	119	ENERGY OPTIMIZATION	CW	S4	04	50	1,150	1,000	0	0	2,200	0	2,200	0	0	0	0	2,200	0	0	0	0	0	2,200
0	120	BUILDING ENVELOPE REHAB-2018 SC	CW	S3	03	0	136	0	0	0	136	0	136	0	0	0	0	136	0	0	0	0	0	136
0	121	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	-34	500	500	500	500	1,966	0	1,966	0	0	0	0	1,966	0	0	0	0	0	1,966
0	122	HVAC REHAB CONSTRUCTION-2018 SC	CW	S3	03	-4,300	473	4,241	0	0	414	0	414	0	0	0	0	414	0	0	0	0	0	414
0	123	HARRIS FILTERS REHABILITATION - PILOT-2018 SC	CW	S3	03	-1,727	5,135	948	24	0	4,380	0	4,380	0	0	0	0	4,380	0	0	0	0	0	4,380
0	124	LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2018 SC	CW	S3	04	-2,943	3,128	0	0	0	185	0	185	0	0	0	0	185	0	0	0	0	0	185
0	125	HERITAGE MASONRY&ARCHITECTURAL RESTORATION-2018 SC	CW	S3	03	0	0	0	0	50	50	0	50	0	0	0	0	50	0	0	0	0	0	50
0	126	CONTROL ROOM RELOCATION-2018 SC	CW	S3	04	-115	1,079	204	0	0	1,168	0	1,168	0	0	0	0	1,168	0	0	0	0	0	1,168
0	127	EMERGENCY STANDBY POWER-2018 SC	CW	S3	04	355	1,320	347	0	0	2,022	0	2,022	0	0	0	0	2,022	0	0	0	0	0	2,022
0	128	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2018 SC	CW	S3	03	-3,010	409	0	0	0	-2,601	0	-2,601	0	0	0	0	-2,601	0	0	0	0	0	-2,601
0	129	EXTERIOR SECURITY LIGHTING UPGRADES - 2018 SC	CW	S3	03	-100	-550	-450	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	130	TRAVELLING SCREENS 3 & 5 UPGRADE - 2018 SC	CW	S3	03	-300	-450	300	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	131	PHONE SYSTEM UPGRADE - 2018 SC	CW	S3	03	-70	-510	70	510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total						13,275	18,526	7,927	2,247	1,250	43,225	0	43,225	0	0	0	0	43,225	0	0	0	0	0	43,225
WAT906903 FJ HORGAN W.T.P. R&R																								

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Gross Expenditures (\$000's)

Appendix 4: 2018 Cash Flow and Future Year Commitments

Water Program																									
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
											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		
Sub-Priority	Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027												
WAT906903 FJ HORGAN W.T.P. R&R																									
0	5	FACILITY & PROCESS UPGRADES	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0	0	0	0	0	0	671
0	8	RAW WATER PUMP UGRADES	CW	S2	03	21	0	0	0	0	21	0	21	0	0	0	0	21	0	0	0	0	0	0	21
0	15	REPLACEMENT OF MCCS	CW	S2	03	954	250	227	10	9	1,450	0	1,450	0	0	0	0	1,450	0	0	0	0	0	0	1,450
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	2,242	1,950	10	10	0	4,212	0	4,212	0	0	0	0	4,212	0	0	0	0	0	0	4,212
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	570	280	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	0	850
0	34	TREATED WATER PUMP UPGRADES	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	0	20
0	59	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	16	1,174	550	200	200	2,140	0	2,140	0	0	0	0	2,140	0	0	0	0	0	0	2,140
0	60	REPLACEMENT OF MCCS-2018 SC	CW	S3	03	-87	0	70	40	-6	17	0	17	0	0	0	0	17	0	0	0	0	0	0	17
0	61	RAW WATER PUMP UGRADES-2018 SC	CW	S3	03	400	200	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	0	600
0	62	ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2018 SC	CW	S3	04	10	320	690	0	0	1,020	0	1,020	0	0	0	0	1,020	0	0	0	0	0	0	1,020
0	63	TREATED WATER PUMP UPGRADES-2018 SC	CW	S3	04	0	203	0	0	0	203	0	203	0	0	0	0	203	0	0	0	0	0	0	203
0	64	BUILDING FIRE, HVAC, LIGHTING UPGRADES-2018 SC	CW	S3	04	-1,922	-645	1,625	1,000	0	58	0	58	0	0	0	0	58	0	0	0	0	0	0	58
Sub-total						2,895	3,732	3,172	1,260	203	11,262	0	11,262	0	0	0	0	11,262	0	0	0	0	0	0	11,262
WAT906906 TRUNK WATERMAIN EXPANSION																									
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	625	375	183	11	0	1,194	0	1,194	0	0	573	0	350	0	0	271	0	0	0	1,194
0	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S2	05	13,880	12,000	8,000	0	0	33,880	0	33,880	0	0	16,231	0	9,952	0	0	7,697	0	0	0	33,880
0	70	JOS WM SCAR PS -ST CLAIR & MIDLAND - ENG -2018 SC	CW	S3	05	-233	325	427	425	0	944	0	944	0	0	451	0	278	0	0	215	0	0	0	944
0	71	JOS WM Scar PS- St. Clair&Midland (CONST)-2018 SC	CW	S3	05	-7,855	7,000	11,000	2,000	0	12,145	0	12,145	0	0	5,817	0	3,568	0	0	2,760	0	0	0	12,145
Sub-total						6,417	19,700	19,610	2,436	0	48,163	0	48,163	0	0	23,072	0	14,148	0	0	10,943	0	0	0	48,163
WAT906914 SWITCH GEAR TRANSFORMER																									
0	13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	1,094	0	0	0	0	1,094	0	1,094	0	0	0	0	1,094	0	0	0	0	0	0	1,094
0	29	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S4	03	300	1,000	6,250	5,250	5,250	18,050	7,925	25,975	0	0	0	0	25,975	0	0	0	0	0	0	25,975
0	31	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2018 SC	CW	S3	03	-1,083	1,169	0	0	0	86	0	86	0	0	0	0	86	0	0	0	0	0	0	86
Sub-total						311	2,169	6,250	5,250	5,250	19,230	7,925	27,155	0	0	0	0	27,155	0	0	0	0	0	0	27,155
WAT906917 TRANSMISSION OPERATIONS OPTIMIZER																									

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Appendix 4: 2018 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	Priority	SubProj No.	Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906917 TRANSMISSION OPERATIONS OPTIMIZER																										
0	8			TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	282	0	0	0	0	282	0	282	0	0	0	0	94	0	0	188	0	0	282
0	13			TRANSMISSION OPERATIONS OPTIMIZER-2018 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	0	0	0	1	0	0	2	0	0	3
Sub-total																										
								285	0	0	0	0	285	0	285	0	0	0	0	95	0	0	190	0	0	285
WAT906918 WATER SUSTAINABILITY PROGRAM																										
0	1			WATER SUSTAINABILITY PROGRAM	CW	S2	04	8,675	5,271	10	0	0	13,956	0	13,956	0	0	849	0	8,906	0	0	4,201	0	0	13,956
0	12			STANDBY POWER - ROSEHILL	CW	S2	04	6,116	5,100	1,803	13	14	13,046	0	13,046	0	0	783	0	8,349	0	0	3,914	0	0	13,046
0	21			STANDBY POWER - ROSEHILL-2018 SC	CW	S3	04	-978	-1,000	-1,760	20	0	-3,718	0	-3,718	0	0	-223	0	-2,379	0	0	-1,116	0	0	-3,718
0	22			WATER SUSTAINABILITY STANDBY POWER ELLESMERE2018SC	CW	S3	04	-2,948	642	3,372	0	0	1,066	0	1,066	0	0	64	0	681	0	0	321	0	0	1,066
Sub-total																										
								10,865	10,013	3,425	33	14	24,350	0	24,350	0	0	1,473	0	15,557	0	0	7,320	0	0	24,350
WAT906919 RL CLARK W.T.P. R&R																										
0	1			FACILITY & PROCESS UPGRADES	CW	S2	03	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	8			PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	610	500	1,454	60	35	2,659	0	2,659	0	0	161	0	2,498	0	0	0	0	0	2,659
0	15			PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	9,955	10,032	3,000	0	0	22,987	0	22,987	0	0	1,397	0	21,590	0	0	0	0	0	22,987
0	44			EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	257	20	0	0	0	277	0	277	0	0	0	0	277	0	0	0	0	0	277
0	72			FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	0	200	200	200	200	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0	73			PROCESS EQUIPMENT UPGRADE ENGINEERING-2018 SC	CW	S3	03	-220	-126	326	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	0	-20
0	74			PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2018 SC	CW	S3	03	-1,920	-1,311	-500	0	0	-3,731	0	-3,731	0	0	-227	0	-3,504	0	0	0	0	0	-3,731
0	75			EVACUATION AND COMMUNICATION SYSTEMS-2018 SC	CW	S3	03	-232	92	0	0	0	-140	0	-140	0	0	0	0	-140	0	0	0	0	0	-140
Sub-total																										
								8,650	9,407	4,480	260	235	23,032	0	23,032	0	0	1,331	0	21,701	0	0	0	0	0	23,032
WAT906930 DIST W/M REPLACEMENT																										
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	69	0	0	0	0	69	0	69	0	0	0	0	69	0	0	0	0	0	69
0	51			DIST W/M REPLACEMENT - 2014	CW	S2	03	275	0	0	0	0	275	0	275	0	0	43	0	232	0	0	0	0	0	275
0	55			WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	545	1,724	1,494	1,494	0	5,257	0	5,257	0	0	0	0	5,257	0	0	0	0	0	5,257
0	59			2013 WM REPLC - UPGRADES	CW	S2	05	106	0	0	0	0	106	0	106	0	0	33	0	73	0	0	0	0	0	106

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Appendix 4: 2018 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- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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	63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,075	0	0	0	0	4,075	0	4,075	0	0	633	0	3,442	0	0	0	0	0	4,075	
0	64	WATERMAIN UPGRADES - 2015	CW	S2	05	6	0	0	0	0	6	0	6	0	0	2	0	4	0	0	0	0	0	6	
0	73	DIST W/M REPLACEMENT - 2016	CW	S2	03	5,163	374	0	0	0	5,537	0	5,537	0	0	861	0	4,676	0	0	0	0	0	5,537	
0	74	WATERMAIN UPGRADES - 2016	CW	S2	05	2,863	0	0	0	0	2,863	0	2,863	0	0	891	0	1,972	0	0	0	0	0	2,863	
0	83	DIST W/M REPLACEMENT - 2017	CW	S2	03	27,294	7,272	0	0	0	34,566	0	34,566	0	0	5,375	0	29,191	0	0	0	0	0	34,566	
0	84	WATERMAIN UPGRADES - 2017	CW	S2	05	4,808	1,476	0	0	0	6,284	0	6,284	0	0	1,954	0	4,330	0	0	0	0	0	6,284	
0	85	DIST W/M REPLACEMENT - 2018	CW	S4	03	37,555	41,704	11,690	928	0	91,877	0	91,877	0	0	14,287	0	77,590	0	0	0	0	0	91,877	
0	86	WATERMAIN UPGRADES - 2018	CW	S4	05	10,349	12,027	2,921	0	0	25,297	0	25,297	0	0	7,871	0	17,426	0	0	0	0	0	25,297	
0	98	DIST W/M REPLC - 2012-2018 SC	CW	S3	03	-48	133	0	0	0	85	0	85	0	0	0	0	85	0	0	0	0	0	85	
0	100	2013 WM REPLC - UPGRADES-2018 SC	CW	S3	05	-101	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	101	DIST W/M REPLACEMENT - 2014-2018 SC	CW	S3	03	-255	365	0	0	0	110	0	110	0	0	17	0	93	0	0	0	0	0	110	
0	102	WATERMAIN UPGRADES - 2014-2018 SC	CW	S3	05	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
0	103	WATERMAIN REPLACEMENT - METROLINX-2018 SC	CW	S3	03	-351	-634	302	962	0	279	0	279	0	0	0	0	279	0	0	0	0	0	279	
0	104	DIST W/M REPLACEMENT - 2015-2018 SC	CW	S3	03	-2,677	2,358	0	0	0	-319	0	-319	0	0	-49	0	-270	0	0	0	0	0	-319	
0	105	WATERMAIN UPGRADES - 2015-2018 SC	CW	S3	05	0	265	0	0	0	265	0	265	0	0	82	0	183	0	0	0	0	0	265	
0	106	DIST W/M REPLACEMENT - 2016-2018 SC	CW	S3	03	-4,286	7,825	0	0	0	3,539	0	3,539	0	0	550	0	2,989	0	0	0	0	0	3,539	
0	107	WATERMAIN UPGRADES - 2016-2018 SC	CW	S3	05	-2,458	2,626	0	0	0	168	0	168	0	0	52	0	116	0	0	0	0	0	168	
0	108	DIST W/M REPLACEMENT - 2017-2018 SC	CW	S3	03	-15,598	77	15	0	0	-15,506	0	-15,506	0	0	-2,411	0	-13,095	0	0	0	0	0	-15,506	
0	109	WATERMAIN UPGRADES - 2017-2018 SC	CW	S3	05	-2,952	-320	0	0	0	-3,272	0	-3,272	0	0	-1,017	0	-2,255	0	0	0	0	0	-3,272	
Sub-total						64,387	77,373	16,422	3,384	0	161,566	0	161,566	0	0	29,174	0	132,392	0	0	0	0	0	161,566	
WAT906932 DIST W/M REHABILITATION																									
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	2,516	0	0	0	0	2,516	0	2,516	0	0	0	0	2,516	0	0	0	0	0	2,516	
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	54,868	24,590	9,577	4,575	450	94,060	57	94,117	0	0	0	0	94,117	0	0	0	0	0	94,117	
0	7	CATHODIC PROTECTION	CW	S2	03	3,033	0	0	0	0	3,033	0	3,033	0	0	0	0	3,033	0	0	0	0	0	3,033	

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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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906932	DIST W/M REHABILITATION																							
0 30	CUT REPAIR	CW	S2	03	3,300	0	0	0	0	3,300	0	3,300	0	0	0	0	3,300	0	0	0	0	0	3,300	
0 55	HYDRANT & VALVE REPAIR-2018 SC	CW	S3	03	-1,536	1,000	0	0	0	-536	0	-536	0	0	0	0	-536	0	0	0	0	0	-536	
0 56	CUT REPAIR-2018 SC	CW	S3	03	249	3,549	0	0	0	3,798	0	3,798	0	0	0	0	3,798	0	0	0	0	0	3,798	
0 57	WATERMAIN STRUCTURAL LINING-2018 SC	CW	S3	03	17,588	39,273	9,017	-4,336	-275	61,267	-57	61,210	0	0	0	0	61,210	0	0	0	0	0	61,210	
0 58	CATHODIC PROTECTION-2018 SC	CW	S3	03	336	4,612	500	0	0	5,448	0	5,448	0	0	0	0	5,448	0	0	0	0	0	5,448	
0 59	PRV INSPECTION & RENEWAL	CW	S4	03	110	1,600	565	0	0	2,275	0	2,275	0	0	0	0	2,275	0	0	0	0	0	2,275	
0 60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX	CW	S4	03	75	75	75	75	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
Sub-total					80,539	74,699	19,734	314	175	175,461	0	175,461	0	0	0	0	175,461	0	0	0	0	0	175,461	
WAT906934	DIST WATER SERVICE REPAIR																							
0 12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	11,541	4,450	200	0	0	16,191	0	16,191	0	0	0	0	16,191	0	0	0	0	0	16,191	
0 19	2010 WSR	CW	S2	02	215	0	0	0	0	215	0	215	0	0	0	0	215	0	0	0	0	0	215	
0 32	WSR CUT REPAIR	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	
0 39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4	
0 41	2013 WSR	CW	S2	02	111	0	0	0	0	111	0	111	0	0	0	0	111	0	0	0	0	0	111	
0 52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	273	0	0	0	0	273	0	273	0	0	0	0	273	0	0	0	0	0	273	
0 59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	1,014	0	0	0	0	1,014	0	1,014	0	0	0	0	1,014	0	0	0	0	0	1,014	
0 68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	5,783	0	0	0	0	5,783	0	5,783	0	0	0	0	5,783	0	0	0	0	0	5,783	
0 71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,500	7,000	2,000	0	0	16,500	0	16,500	0	0	0	0	16,500	0	0	0	0	0	16,500	
0 74	REPLACEMENT OF FROZEN SERVICES	CW	S2	02	22	0	0	0	0	22	0	22	0	0	0	0	22	0	0	0	0	0	22	
0 75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	
0 78	2011 WSR	CW	S2	02	15	0	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15	
0 84	2017 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11,167	3,000	0	0	0	14,167	0	14,167	0	0	0	0	14,167	0	0	0	0	0	14,167	
0 85	2018 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	7,000	10,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000	
0 93	WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC	CW	S3	02	-1,159	5,039	4,701	1	0	8,582	0	8,582	0	0	0	0	8,582	0	0	0	0	0	8,582	

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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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAT906934 DIST WATER SERVICE REPAIR																									
0 94	2010 WSR-2018 SC	CW	S3	02	-215	0	0	0	0	-215	0	-215	0	0	0	0	-215	0	0	0	0	0	-215		
0 96	2012 WATER SERVICE REPLC - SOGR-2018 SC	CW	S3	02	0	60	0	0	0	60	0	60	0	0	0	0	60	0	0	0	0	0	60		
0 97	WSR CUT REPAIR-2018 SC	CW	S3	03	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	0	0	0	0	0	1,726		
0 98	2013 WSR-2018 SC	CW	S3	02	-100	140	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	0	40		
0 99	2014 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-260	148	0	0	0	-112	0	-112	0	0	0	0	-112	0	0	0	0	0	-112		
0 100	2015 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-478	425	0	0	0	-53	0	-53	0	0	0	0	-53	0	0	0	0	0	-53		
0 101	2016 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-4,954	3,424	0	0	0	-1,530	0	-1,530	0	0	0	0	-1,530	0	0	0	0	0	-1,530		
0 102	WATER SERVICE REPAIR - WM REHAB PROGRAM-2018 SC	CW	S3	02	8,178	6,150	2,000	2,000	0	18,328	0	18,328	0	0	0	0	18,328	0	0	0	0	0	18,328		
0 103	WSR CUT REPAIRS WITH WM SL-2018 SC	CW	S3	02	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	0	0	0	0	0	1,726		
0 104	2017 WATER SERVICE REPLACEMENT - SOGR-2018 SC	CW	S3	02	-1,811	2,472	0	0	0	661	0	661	0	0	0	0	661	0	0	0	0	0	661		
0 105	REPLACEMENT OF FROZEN SERVICES-2018 SC	CW	S3	02	0	240	0	0	0	240	0	240	0	0	0	0	240	0	0	0	0	0	240		
0 106	REPLACEMENT OF FROZEN SERVICES	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000		
0 107	REPLACEMENT OF FROZEN SERVICES - 2018 SC	CW	S3	03	-1,000	-1,000	0	0	0	-2,000	0	-2,000	0	0	0	0	-2,000	0	0	0	0	0	-2,000		
Sub-total					47,072	45,774	11,901	2,001	0	106,748	0	106,748	0	0	0	0	106,748	0	0	0	0	0	106,748		
WAT906935 NEW SERVICE CONNECTIONS																									
0 2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,200	0	0	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0	0	0	0	5,200		
0 7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	30,000	0	0	0	0	30,000	0	30,000	0	0	0	0	30,000	0	0	0	0	0	30,000		
0 24	NEW SERVICE CONNECTIONS - SITE SERVICING-2018 SC	CW	S3	05	-552	6,946	0	0	0	6,394	0	6,394	0	0	0	0	6,394	0	0	0	0	0	6,394		
0 25	NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	CW	S3	05	177	5,377	0	0	0	5,554	0	5,554	0	0	0	0	5,554	0	0	0	0	0	5,554		
Sub-total					34,825	12,323	0	0	0	47,148	0	47,148	0	0	0	0	47,148	0	0	0	0	0	47,148		
WAT906951 ENGINEERING																									
0 2	CONSULTING FEES	CW	S2	03	11,709	10,352	6,702	3,761	1,939	34,463	4,922	39,385	0	0	0	0	39,385	0	0	0	0	0	39,385		
0 63	ROAD RESTORATION	CW	S2	03	2,000	0	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000		
0 69	LEGAL SERVICES SALARIES	CW	S3	03	414	0	0	0	0	414	0	414	0	0	0	0	414	0	0	0	0	0	414		

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Gross Expenditures (\$000's)

Appendix 4: 2018 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906951 ENGINEERING																								
0 70	ECS SALARIES	CW	S3	03	14,592	0	0	0	0	14,592	0	14,592	0	0	0	0	14,592	0	0	0	0	0	14,592	
0 71	PPFA SALARIES	CW	S3	03	2,416	0	0	0	0	2,416	0	2,416	0	0	0	0	2,416	0	0	0	0	0	2,416	
0 74	PMMD SALARIES	CW	S3	03	310	0	0	0	0	310	0	310	0	0	0	0	310	0	0	0	0	0	310	
0 75	ROAD RESTORATION-2018 SC	CW	S3	03	669	2,621	2,151	0	0	5,441	0	5,441	0	0	0	0	5,441	0	0	0	0	0	5,441	
0 76	CONSULTING FEES-2018 SC	CW	S3	03	6,982	4,673	1,665	617	561	14,498	-1,650	12,848	0	0	0	0	12,848	0	0	0	0	0	12,848	
0 77	TW SALARIES	CW	S4	03	1,930	0	0	0	0	1,930	0	1,930	0	0	0	0	1,930	0	0	0	0	0	1,930	
Sub-total					41,022	17,646	10,518	4,378	2,500	76,064	3,272	79,336	0	0	0	0	79,336	0	0	0	0	0	79,336	
WAT906977 ISLAND W.T.P. R&R																								
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	458	0	0	0	0	458	0	458	0	0	0	0	458	0	0	0	0	0	458	
0 12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	3,916	750	0	0	0	4,666	0	4,666	0	0	0	0	4,666	0	0	0	0	0	4,666	
0 25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	56	0	0	0	0	56	0	56	0	0	3	0	53	0	0	0	0	0	56	
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	205	700	2,750	0	0	3,655	0	3,655	0	0	0	0	3,655	0	0	0	0	0	3,655	
0 50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	3,559	2,479	7	0	0	6,045	0	6,045	0	0	0	0	6,045	0	0	0	0	0	6,045	
0 51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	34	0	0	0	0	34	0	34	0	0	0	0	34	0	0	0	0	0	34	
0 69	Generators' DR3 Program	CW	S2	04	80	695	650	0	0	1,425	0	1,425	0	0	0	0	1,425	0	0	0	0	0	1,425	
0 70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,668	527	15	0	0	2,210	0	2,210	0	0	0	0	2,210	0	0	0	0	0	2,210	
0 83	RAW WATER INTAKE CLEANING	CW	S2	03	1,228	0	0	0	0	1,228	0	1,228	0	0	0	0	1,228	0	0	0	0	0	1,228	
0 101	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	-76	375	375	375	375	1,424	0	1,424	0	0	0	0	1,424	0	0	0	0	0	1,424	
0 102	ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	0	0	-3	0	-53	0	0	0	0	0	-56	
0 103	FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	CW	S3	03	241	1,404	0	0	0	1,645	0	1,645	0	0	0	0	1,645	0	0	0	0	0	1,645	
0 104	AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	CW	S3	03	-2,103	4,441	3,999	7	0	6,344	0	6,344	0	0	0	0	6,344	0	0	0	0	0	6,344	
0 105	TRAVELLING SCREEN REPLACEMENT-2018 SC	CW	S3	03	-100	445	700	0	0	1,045	0	1,045	0	0	0	0	1,045	0	0	0	0	0	1,045	
0 106	PLANTWIDE HVAC UPGRADES-2018 SC	CW	S3	04	-138	1,117	738	0	0	1,717	0	1,717	0	0	0	0	1,717	0	0	0	0	0	1,717	
0 107	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTR - 2018 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	0	0	-4	0	0	0	0	0	-4	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2018 Cash Flow and Future Year Commitments

Water Program																							
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
											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
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAT906977 ISLAND W.T.P. R&R																							
0	108	RAW WATER INTAKE CLEANING - 2018 SC	CW	S3	03	1,272	500	0	0	0	1,772	0	1,772	0	0	0	0	1,772	0	0	0	0	1,772
0	109	Generators` DR3 Program - 2018 SC	CW	S3	04	-80	-695	-570	695	650	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total						10,160	12,738	8,664	1,077	1,025	33,664	0	33,664	0	0	0	0	33,664	0	0	0	0	33,664
WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN																							
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	8,682	7,237	7,237	0	0	23,156	0	23,156	0	0	23,156	0	0	0	0	0	0	23,156
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	3,842	3,842	0	0	0	7,684	0	7,684	0	0	7,684	0	0	0	0	0	0	7,684
0	11	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018SC	CW	S3	05	-4,762	2,738	-1,462	473	210	-2,803	0	-2,803	0	0	-2,803	0	0	0	0	0	0	-2,803
0	12	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-2018SC	CW	S3	05	-3,842	-3,592	3,592	3,842	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total						3,920	10,225	9,367	4,315	210	28,037	0	28,037	0	0	28,037	0	0	0	0	0	0	28,037
WAT907558 REGENT PARK CAPITAL CONTRIBUTION																							
0	14	REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	CW	S2	05	2,499	864	1,398	812	33	5,606	113	5,719	0	0	5,719	0	0	0	0	0	0	5,719
0	15	REGENT PARK CAPITAL CONTRIBUTION - PH3-5 - 2018 SC	CW	S3	05	-1,715	47	18	18	18	-1,614	-2	-1,616	0	0	-1,616	0	0	0	0	0	0	-1,616
Sub-total						784	911	1,416	830	51	3,992	111	4,103	0	0	4,103	0	0	0	0	0	0	4,103
WAT907946 BUSINESS IT PROJECTS																							
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930	0	0	0	0	5,930
Sub-total						1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930	0	0	0	0	5,930
WAT908087 TRUNK WATERMAIN																							
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	392	316	673	41	92	1,514	0	1,514	0	0	0	0	1,514	0	0	0	0	1,514
0	4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	4,950	1,550	541	0	0	7,041	0	7,041	0	0	0	0	3,520	0	0	3,521	0	7,041
0	6	3RD PARTY RELOCATIONS (METROLINX)	CW	S2	04	250	250	200	200	0	900	0	900	0	0	0	0	900	0	0	0	0	900
0	13	TRANSMISSION SYSTEM AUTOMATION-2018 SC	CW	S3	04	283	4,991	3,902	0	0	9,176	0	9,176	0	0	0	0	9,176	0	0	0	0	9,176
0	14	3RD PARTY RELOCATIONS (METROLINX) - 2018 SC	CW	S3	04	-200	-200	-150	-150	0	-700	0	-700	0	0	0	0	-700	0	0	0	0	-700
0	15	JOS - REVENUE METER REPLACEMENT - 2018 SC	CW	S3	03	-1,609	1,450	459	0	0	300	0	300	0	0	0	0	150	0	0	150	0	300
Sub-total						4,066	8,357	5,625	91	92	18,231	0	18,231	0	0	0	0	14,560	0	0	3,671	0	18,231
WAT908248 WT&S PLANTWIDE																							

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Gross Expenditures (\$000's)

Appendix 4: 2018 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- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
WAT908248	WT&S PLANTWIDE																						
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	10
0	4	ZEBRA MUSSEL CONTROL - ENG	CW	S2	04	800	474	666	130	48	2,118	0	2,118	0	0	0	0	2,118	0	0	0	0	2,118
0	6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04	1,282	725	850	425	500	3,782	2,125	5,907	0	0	356	0	3,777	0	0	1,774	0	5,907
0	10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S2	04	1,438	500	1,350	1,290	550	5,128	230	5,358	0	0	0	0	5,358	0	0	0	0	5,358
0	12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S2	04	995	730	105	5	0	1,835	0	1,835	0	0	110	0	1,173	0	0	552	0	1,835
0	13	UV DISINFECTION - CONCEPTUAL DESIGN-2018 SC	CW	S3	04	0	248	0	0	0	248	0	248	0	0	0	0	248	0	0	0	0	248
0	14	ZEBRA MUSSEL CONTROL - ENG-2018 SC	CW	S3	04	-184	-209	-216	320	127	-162	64	-98	0	0	0	0	-98	0	0	0	0	-98
0	15	STANDBY POWER - PHASE 2 - ENG-2018 SC	CW	S3	04	-1,007	925	1,900	2,745	1,186	5,749	-665	5,084	0	0	304	0	3,256	0	0	1,524	0	5,084
0	16	UV DISINFECTION - ISLAND WTP - ENGINEERING-2018 SC	CW	S3	04	-653	145	-850	-290	0	-1,648	-30	-1,678	0	0	0	0	-1,678	0	0	0	0	-1,678
0	17	SCRUBBER&TONNER CONNECTION IMPRO AT WTP-2018 SC	CW	S3	04	-395	970	1,063	495	470	2,603	5	2,608	0	0	156	0	1,671	0	0	781	0	2,608
0	18	SOURCE WATER PROTECTION-LAKE ONTARIO COLLABORATIVE	CW	S4	04	70	375	305	0	0	750	0	750	0	0	0	0	750	0	0	0	0	750
Sub-total						2,356	4,883	5,173	5,120	2,881	20,413	1,729	22,142	0	0	926	0	16,585	0	0	4,631	0	22,142
Total Program Expenditure						387,293	386,354	195,765	79,884	31,178	1,080,474	25,435	1,105,909	0	0	101,249	0	973,402	0	0	31,258	0	1,105,909

Report Phase 2 - Program 10 Water Program Program Phase 2 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5 Sub-Project Category 01,02,03,04,05,06,07 User Fields ALL

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Gross Expenditures (\$000's)

Appendix 4: 2018 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											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Financed By:																								
		Development Charges				22,585	38,634	26,647	9,380	2,092	99,338	1,911	101,249	0	0	101,249	0	0	0	0	0	0	101,249	
		Reserve Funds (Ind."XR" Ref.)				357,151	336,324	161,144	68,422	27,987	951,028	22,374	973,402	0	0	0	0	973,402	0	0	0	0	973,402	
		Other2 (External)				7,557	11,396	7,974	2,082	1,099	30,108	1,150	31,258	0	0	0	0	0	0	31,258	0	0	31,258	
Total Program Financing						387,293	386,354	195,765	79,884	31,178	1,080,474	25,435	1,105,909	0	0	101,249	0	973,402	0	0	31,258	0	0	1,105,909

Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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

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Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000007 ASHBRIDGES BAY WWTP REHAB																								
0	17	STANDBY POWER GENERATION	CW	S2	04	18	0	0	0	0	18	0	18	0	0	1	0	17	0	0	0	0	0	18
0	19	FERROUS UPGRADES	CW	S2	03	11,521	9,230	0	0	0	20,751	0	20,751	0	0	1,671	0	19,080	0	0	0	0	0	20,751
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	3,428	32	0	0	0	3,460	0	3,460	0	0	0	0	3,460	0	0	0	0	0	3,460
0	41	POLYMER UPGRADE	CW	S2	03	6,632	21,500	21,500	21,022	20,964	91,618	200	91,818	0	0	0	0	91,818	0	0	0	0	0	91,818
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	472	0	0	0	0	472	0	472	0	0	0	0	472	0	0	0	0	0	472
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,876	1,530	250	49	0	3,705	0	3,705	0	0	298	0	3,407	0	0	0	0	0	3,705
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	153	0	0	0	0	153	0	153	0	0	12	0	141	0	0	0	0	0	153
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,682	1,127	1,100	0	0	3,909	0	3,909	0	0	0	0	3,909	0	0	0	0	0	3,909
0	190	GROUND AND FACILITIES	CW	S2	03	440	440	440	0	0	1,320	0	1,320	0	0	0	0	1,320	0	0	0	0	0	1,320
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,854	2,104	3,104	1,030	4	10,096	4	10,100	0	0	0	0	10,100	0	0	0	0	0	10,100
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	920	0	0	0	0	920	0	920	0	0	0	0	920	0	0	0	0	0	920
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	680	500	250	0	0	1,430	0	1,430	0	0	0	0	1,430	0	0	0	0	0	1,430
0	227	AIR HEADER REHAB	CW	S2	03	3,393	0	0	0	0	3,393	0	3,393	0	0	0	0	3,393	0	0	0	0	0	3,393
0	229	D BUILDING PHASE 2	CW	S2	03	1,010	11,200	11,000	11,000	11,000	45,210	510	45,720	0	0	0	0	45,720	0	0	0	0	0	45,720
0	246	NEW FLEET PURCHASES	CW	S2	04	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	470	0	0	0	0	470	0	470	0	0	0	0	470	0	0	0	0	0	470
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,500	1,013	0	0	0	2,513	0	2,513	0	0	0	0	2,513	0	0	0	0	0	2,513
0	285	BLOWER 7-9 OVERHAUL	CW	S2	03	1,300	0	0	0	0	1,300	0	1,300	0	0	0	0	1,300	0	0	0	0	0	1,300
0	287	POLYMER UPGRADE-2018 SC	CW	S3	03	-6,282	1,012	17,150	-9,912	-1,990	-22	22	0	0	0	0	0	0	0	0	0	0	0	0
0	288	DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	CW	S3	03	-165	1,711	586	2,585	1	4,718	0	4,718	0	0	0	0	4,718	0	0	0	0	0	4,718
0	289	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2018 SC	CW	S3	03	794	-300	25	0	0	519	0	519	0	0	42	0	477	0	0	0	0	0	519
0	290	PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	CW	S3	04	-55	60	0	0	0	5	0	5	0	0	1	0	4	0	0	0	0	0	5
0	291	FERROUS UPGRADES-2018 SC	CW	S3	03	1,147	474	31	0	0	1,652	0	1,652	0	0	132	0	1,520	0	0	0	0	0	1,652
0	292	BLOWER STUDY	CW	S4	03	200	100	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300

Report Phase 2 - Program 11 Wastewater Program Program Phase 2 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5 Sub-Project Category 01,02,03,04,05,06,07 User Fields ALL

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Gross Expenditures (\$000's)

Appendix 4: 2018 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000007 ASHBRIDGES BAY WWTP REHAB																								
0	293	HEATING AND AIR SYSTEMS ASSESSMENT - 2018 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	0	0	0	0	-350	0	0	0	0	0	-350
0	294	OPERATIONS CENTRE - ENGINEERING - 2018 SC	CW	S3	03	-220	200	0	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	0	-20
0	295	ABTP - PROCESS ROADMAP PHASE 2 - 2018 SC	CW	S3	05	320	0	250	0	0	570	0	570	0	0	0	0	570	0	0	0	0	0	570
0	296	REHAB OF GROUNDS & BUILDINGS - 2018 SC	CW	S3	03	-442	0	0	0	0	-442	0	-442	0	0	0	0	-442	0	0	0	0	0	-442
0	297	STANDBY POWER GENERATION - 2018 SC	CW	S3	04	-18	0	0	0	0	-18	0	-18	0	0	-1	0	-17	0	0	0	0	0	-18
0	298	ELECTRICAL REHAB - ECAP - 2018 SC	CW	S3	01	-2,864	2,753	72	0	0	-39	0	-39	0	0	0	0	-39	0	0	0	0	0	-39
0	299	HVAC CONVERSION Z-BLDG - 2018 SC	CW	S3	03	500	-539	0	0	0	-39	0	-39	0	0	0	0	-39	0	0	0	0	0	-39
0	300	PROCESS AND EQUIPMENT - 2018 SC	CW	S3	03	78	120	0	1,100	1,100	2,398	0	2,398	0	0	0	0	2,398	0	0	0	0	0	2,398
0	301	GROUND AND FACILITIES - 2018 SC	CW	S3	03	160	160	0	440	440	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	302	NEW FLEET PURCHASES - 2018 SC	CW	S3	04	0	25	25	25	25	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	303	BLOWER 7-9 OVERHAUL - 2018 SC	CW	S3	03	-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0	0	0	0	0	-500
0	304	D BUILDING PHASE 2 - 2018 SC	CW	S3	03	72	-9,400	0	0	0	-9,328	10,005	677	0	0	0	0	677	0	0	0	0	0	677
0	305	AIR HEADER REHAB - 2018 SC	CW	S3	03	-238	2,482	0	0	0	2,244	0	2,244	0	0	0	0	2,244	0	0	0	0	0	2,244
Sub-total						31,511	47,534	55,783	27,339	31,544	193,711	10,741	204,452	0	0	2,156	0	202,296	0	0	0	0	0	204,452
WAS000115 HUMBER T.P.																								
0	9	CO-GENERATION	CW	S2	04	269	0	0	0	0	269	0	269	0	0	0	0	269	0	0	0	0	0	269
0	63	CO-GENERATION - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
Sub-total						259	0	0	0	0	259	0	259	0	0	0	0	259	0	0	0	0	0	259
WAS000259 TRUNK SEWER SYSTEM																								
0	15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03	2,489	419	28	15	0	2,951	0	2,951	0	0	0	0	2,951	0	0	0	0	0	2,951
0	27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	29,722	8,436	1,352	10	0	39,520	0	39,520	0	0	0	0	39,520	0	0	0	0	0	39,520
0	34	BLACK CREEK STS EA	CW	S2	05	593	0	0	0	0	593	0	593	0	0	0	0	593	0	0	0	0	0	593
0	47	TRUNK SEWER REHABILITATION - 2016	CW	S2	03	22,346	12,028	732	14	0	35,120	0	35,120	0	0	0	0	35,120	0	0	0	0	0	35,120
0	53	TRUNK SEWER REHABILITATION - 2018	CW	S2	03	3,136	12,405	29,504	29,906	20,083	95,034	7,998	103,032	0	0	0	0	103,032	0	0	0	0	0	103,032

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Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS000259	TRUNK SEWER SYSTEM																							
0 56	TRUNK SEWER REHABILITATION - 2012-2018 SC	CW	S3	03	-811	569	59	1	0	-182	0	-182	0	0	0	0	-182	0	0	0	0	0	-182	
0 57	TRUNK SEWER REHABILITATION - 2014-2018 SC	CW	S3	03	-10,059	12,571	2,028	0	14	4,554	0	4,554	0	0	0	0	4,554	0	0	0	0	0	4,554	
0 58	TRUNK SEWER REHABILITATION - 2016-2018 SC	CW	S3	03	981	6,013	8,315	1,521	151	16,981	0	16,981	0	0	0	0	16,981	0	0	0	0	0	16,981	
0 59	TRUNK SEWER REHABILITATION - 2018-2018 SC	CW	S3	03	-494	1,557	15,470	39,679	19,528	75,740	1,501	77,241	0	0	0	0	77,241	0	0	0	0	0	77,241	
0 60	BLACK CREEK STS EA-2018 SC	CW	S3	05	-47	60	0	0	0	13	0	13	0	0	0	0	13	0	0	0	0	0	13	
0 61	TRUNK SEWER REHABILITATION - 2018 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total					47,857	54,058	57,488	71,146	39,776	270,325	9,499	279,824	0	0	0	0	279,824	0	0	0	0	0	279,824	
WAS000442	BASEMENT FLOODING RELIEF																							
0 1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	4,600	5,500	0	0	0	10,100	0	10,100	0	0	0	0	10,100	0	0	0	0	0	10,100	
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	1,330	200	200	100	0	1,830	0	1,830	0	0	0	0	1,830	0	0	0	0	0	1,830	
0 9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	3,455	1,545	7,900	35,000	35,000	82,900	90,000	172,900	0	0	0	0	172,900	0	0	0	0	0	172,900	
0 14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	272	1,075	0	0	0	1,347	0	1,347	0	0	0	0	1,347	0	0	0	0	0	1,347	
0 18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	1,959	2,390	2,000	0	0	6,349	0	6,349	0	0	0	0	6,349	0	0	0	0	0	6,349	
0 19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	11,241	10,927	16,545	7,500	0	46,213	0	46,213	0	0	0	0	46,213	0	0	0	0	0	46,213	
0 20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	2,881	309	2,320	0	0	5,510	0	5,510	0	0	0	0	5,510	0	0	0	0	0	5,510	
0 29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,558	55	0	0	0	2,613	0	2,613	0	0	0	0	2,613	0	0	0	0	0	2,613	
0 76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	926	954	982	0	0	2,862	0	2,862	0	0	0	0	2,862	0	0	0	0	0	2,862	
0 77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	21,536	15,430	16,335	14,270	14,400	81,971	37,884	119,855	0	0	0	0	119,855	0	0	0	0	0	119,855	
0 81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	4,501	3,550	2,850	1,800	1,500	14,201	2,150	16,351	0	0	0	0	16,351	0	0	0	0	0	16,351	
0 89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S2	04	45,007	66,350	72,859	85,700	116,901	386,817	377,905	764,722	0	0	0	0	764,722	0	0	0	0	0	764,722	
0 107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S2	04	15,153	7,840	6,388	5,000	0	34,381	0	34,381	0	0	0	0	34,381	0	0	0	0	0	34,381	
0 109	REAL ESTATE - IDC	CW	S2	04	131	0	0	0	0	131	0	131	0	0	0	0	131	0	0	0	0	0	131	
0 118	BASEMENT FLOODING PROTECTION SUBSIDY PROG-2018 SC	CW	S3	04	900	0	5,500	0	0	6,400	0	6,400	0	0	0	0	6,400	0	0	0	0	0	6,400	
0 119	BASEMENT FLOODING STUDIES & EAS-2018 SC	CW	S3	04	-804	456	-200	-100	0	-648	0	-648	0	0	0	0	-648	0	0	0	0	0	-648	

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Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
											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	
Sub-Priority	Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027											
WAS000442 BASEMENT FLOODING RELIEF																								
0	120	BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	CW	S3	04	769	1	0	0	0	770	0	770	0	0	0	0	770	0	0	0	0	0	770
0	121	BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	CW	S3	04	-279	642	126	0	0	489	0	489	0	0	0	0	489	0	0	0	0	0	489
0	122	BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	CW	S3	04	-2,499	2,670	30	0	0	201	0	201	0	0	0	0	201	0	0	0	0	0	201
0	123	ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	CW	S3	04	13	330	0	0	0	343	0	343	0	0	0	0	343	0	0	0	0	0	343
0	124	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2018 SC	CW	S3	04	-2,203	3,750	-2,100	2,700	2,000	4,147	28,900	33,047	0	0	0	0	33,047	0	0	0	0	0	33,047
0	125	BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	CW	S3	04	-5,394	2,155	-12,342	-7,500	0	-23,081	0	-23,081	0	0	0	0	-23,081	0	0	0	0	0	-23,081
0	126	BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	CW	S3	04	-1,109	1,553	-1,290	919	0	73	0	73	0	0	0	0	73	0	0	0	0	0	73
0	127	BASEMENT FLOODING STUDIES & EAS IMPLEMENT-2018 SC	CW	S3	04	-2,057	1,773	905	-50	-500	71	-1,400	-1,329	0	0	0	0	-1,329	0	0	0	0	0	-1,329
0	128	BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018 SC	CW	S3	04	-239	15,450	18,185	28,443	32,850	94,689	132,335	227,024	0	0	0	0	227,024	0	0	0	0	0	227,024
0	129	BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018 SC	CW	S3	04	-32,410	-33,670	-9,119	-41,423	-63,249	-179,871	-108,751	-288,622	0	0	0	0	-288,622	0	0	0	0	0	-288,622
0	130	BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018 SC	CW	S3	04	-8,853	1,963	10,356	8,978	0	12,444	0	12,444	0	0	0	0	12,444	0	0	0	0	0	12,444
0	131	REAL ESTATE - IDC - 2018 SC	CW	S3	04	-131	0	0	0	0	-131	0	-131	0	0	0	0	-131	0	0	0	0	0	-131
Sub-total						61,254	113,198	138,430	141,337	138,902	593,121	559,023	1,152,144	0	0	0	0	01,152,144	0	0	0	0	0	1,152,144
WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &																								
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	681	630	0	0	0	1,311	0	1,311	0	0	0	0	1,311	0	0	0	0	0	1,311
0	10	HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC	CW	S3	03	2,132	-130	0	0	0	2,002	0	2,002	0	0	0	0	2,002	0	0	0	0	0	2,002
Sub-total						2,813	500	0	0	0	3,313	0	3,313	0	0	0	0	3,313	0	0	0	0	0	3,313
WAS906322 W&WW LABORATORIES																								
0	9	LAB EQUIPMENT	CW	S2	03	248	358	209	458	0	1,273	0	1,273	0	0	0	0	1,273	0	0	0	0	0	1,273
0	22	LAB & EMP FACILITIES	CW	S4	04	1,800	6,500	2,500	0	0	10,800	8,450	19,250	0	0	0	0	19,250	0	0	0	0	0	19,250
0	27	LAB EQUIPMENT - FUTURE	CW	S4	03	254	337	242	458	102	1,393	1,050	2,443	0	0	0	0	2,443	0	0	0	0	0	2,443
0	32	LAB EQUIPMENT - 2018 SC	CW	S3	03	33	-358	-209	-458	0	-992	0	-992	0	0	0	0	-992	0	0	0	0	0	-992
Sub-total						2,335	6,837	2,742	458	102	12,474	9,500	21,974	0	0	0	0	21,974	0	0	0	0	0	21,974
WAS906328 SWM END OF PIPE FACILITIES																								
0	11	Bonar Creek SWMF Construction	CW	S2	04	660	7,850	7,700	100	100	16,410	0	16,410	0	0	1,321	0	15,089	0	0	0	0	0	16,410

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	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 12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	859	250	0	0	0	1,109	0	1,109	0	0	89	0	1,020	0	0	0	0	0	1,109	
0 57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	1,150	4,000	5,150	42,800	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950	
0 64	HUMBER BAY POND (ETOBICOKE)	CW	S2	03	400	150	0	0	0	550	0	550	0	0	44	0	506	0	0	0	0	0	550	
0 67	YR03 D1 END OF PIPE	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
0 68	Scarborough Waterfront Construction-2018 SC	CW	S3	04	0	0	0	-1,150	-4,000	-5,150	5,150	0	0	0	0	0	0	0	0	0	0	0	0	
0 69	EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC	CW	S3	04	-839	750	0	0	0	-89	0	-89	0	0	-7	0	-82	0	0	0	0	0	-89	
0 70	Bonar Creek SWMF Construction-2018 SC	CW	S3	04	-160	-6,100	1,550	9,025	75	4,390	0	4,390	0	0	352	0	4,038	0	0	0	0	0	4,390	
0 71	HUMBER BAY POND (ETOBICOKE)-2018 SC	CW	S3	03	-350	100	300	0	0	50	0	50	0	0	4	0	46	0	0	0	0	0	50	
0 72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S3	04	500	250	500	0	0	1,250	0	1,250	0	0	100	0	1,150	0	0	0	0	0	1,250	
0 73	YR03 D1 END OF PIPE - 2018 SC	CW	S3	04	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
Sub-total					1,071	3,251	10,050	9,125	175	23,672	47,950	71,622	0	0	5,763	0	65,859	0	0	0	0	0	71,622	
<u>WAS906331 SWM SOURCE CONTROL PROG</u>																								
0 9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	204	0	0	0	0	204	0	204	0	0	0	0	204	0	0	0	0	0	204	
0 16	DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	CW	S3	04	-122	70	70	20	20	58	0	58	0	0	0	0	58	0	0	0	0	0	58	
Sub-total					82	70	70	20	20	262	0	262	0	0	0	0	262	0	0	0	0	0	262	
<u>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</u>																								
0 1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	620	440	439	6	0	1,505	0	1,505	0	0	120	0	1,385	0	0	0	0	0	1,505	
0 2	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	CW	S2	02	4,866	6,205	6,117	0	0	17,188	0	17,188	0	0	1,383	0	15,805	0	0	0	0	0	17,188	
0 22	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2018 SC	CW	S3	04	112	-50	-236	50	50	-74	20	-54	0	0	-3	0	-51	0	0	0	0	0	-54	
0 23	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2018 SC	CW	S3	02	1,005	0	-998	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7	
Sub-total					6,603	6,595	5,322	56	50	18,626	20	18,646	0	0	1,500	0	17,146	0	0	0	0	0	18,646	
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																								
0 3	PCS-PLANT SRVS	CW	S2	04	197	0	0	0	0	197	0	197	0	0	16	0	181	0	0	0	0	0	197	
0 49	PCS-PLANT SRVS-2018 SC	CW	S3	04	-177	0	0	0	0	-177	0	-177	0	0	-14	0	-163	0	0	0	0	0	-177	
Sub-total					20	0	0	0	0	20	0	20	0	0	2	0	18	0	0	0	0	0	20	

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Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS906488	HUMBER T.P. - II YR2004																								
0 2	PCS PLANT SERVICES	CW	S2	04	8	0	0	0	0	8	0	8	0	0	1	0	7	0	0	0	0	0	8		
0 25	PCS PLANT SERVICES - 2018 SC	CW	S3	04	-3	0	0	0	0	-3	0	-3	0	0	-1	0	-2	0	0	0	0	0	-3		
Sub-total					5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5		
WAS906492	WET WEATHER FLOW MP																								
0 1	SWM INA/EA	CW	S2	04	548	325	0	0	0	873	0	873	0	0	70	0	803	0	0	0	0	0	873		
0 2	PUBLIC EDUCATION	CW	S2	04	698	0	0	0	0	698	0	698	0	0	56	0	642	0	0	0	0	0	698		
0 14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	918	1,400	1,450	0	0	3,768	0	3,768	0	0	303	0	3,465	0	0	0	0	0	3,768		
0 41	SWM CONVEYANCE 2012	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
0 51	SWM CONVEYANCE 2014	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1		
0 58	SWM CONVEYANCE 2015	CW	S2	04	505	0	0	0	0	505	0	505	0	0	40	0	465	0	0	0	0	0	505		
0 59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2	03	2,098	2,400	4,800	4,300	3,500	17,098	0	17,098	0	0	0	0	17,098	0	0	0	0	0	17,098		
0 60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	5,000	5,000	5,000	5,000	5,000	25,000	7,500	32,500	0	0	0	0	32,500	0	0	0	0	0	32,500		
0 84	SWM CONVEYANCE 2017	CW	S2	04	2,292	1,010	0	0	0	3,302	0	3,302	0	0	266	0	3,036	0	0	0	0	0	3,302		
0 86	GREEN STREETS	CW	S2	04	814	403	170	0	0	1,387	0	1,387	0	0	112	0	1,275	0	0	0	0	0	1,387		
0 97	WATERFRONT MODELLING STUDIES	CW	S2	05	100	100	100	100	75	475	0	475	0	0	38	0	437	0	0	0	0	0	475		
0 98	SWM INA/EA-2018 SC	CW	S3	04	408	415	655	440	110	2,028	0	2,028	0	0	164	0	1,864	0	0	0	0	0	2,028		
0 99	WWFMP IMPLEMENTATION - DESIGN-2018 SC	CW	S3	04	-265	-767	-1,150	0	0	-2,182	0	-2,182	0	0	-175	0	-2,007	0	0	0	0	0	-2,182		
0 100	SWM CONVEYANCE 2012-2018 SC	CW	S3	04	0	37	0	0	0	37	0	37	0	0	3	0	34	0	0	0	0	0	37		
0 102	SWM CONVEYANCE 2015-2018 SC	CW	S3	04	-500	785	0	0	0	285	0	285	0	0	23	0	262	0	0	0	0	0	285		
0 103	STORM WATER POND ASSESSMENT & CLEANING-2018 SC	CW	S3	03	-573	1,100	-1,800	-1,300	-500	-3,073	0	-3,073	0	0	0	0	-3,073	0	0	0	0	0	-3,073		
0 104	ASHBRIDGES BAY LANDFORMS-2018 SC	CW	S3	04	-5,000	-1,750	1,300	1,300	300	-3,850	4,350	500	0	0	0	0	500	0	0	0	0	0	500		
0 105	SWM CONVEYANCE 2017-2018 SC	CW	S3	04	504	582	1,660	646	0	3,392	0	3,392	0	0	273	0	3,119	0	0	0	0	0	3,392		
0 106	GREEN STREETS-2018 SC	CW	S3	04	79	481	95	180	40	875	0	875	0	0	69	0	806	0	0	0	0	0	875		
0 107	WATERFRONT MODELLING STUDIES - 2018 SC	CW	S3	05	-100	-75	-75	0	25	-225	290	65	0	0	5	0	60	0	0	0	0	0	65		

						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
											Total	Total	Total				Capital from Current	Debt - Recoverable			Total Financing		
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Other 1	Other 2	Debt			
WAS906492 WET WEATHER FLOW MP																							
0	108	PUBLIC EDUCATION - 2018 SC	CW	S3	04	-88	0	0	0	0	-88	0	-88	0	0	-7	0	-81	0	0	0	0	-88
Sub-total						7,440	11,446	12,205	10,666	8,550	50,307	12,140	62,447	0	0	1,240	0	61,207	0	0	0	0	62,447
WAS906495 SEWER ASSET PLANNING																							
0	5	SEWER ASSET PLANNING	CW	S2	03	9,360	7,084	255	0	0	16,699	0	16,699	0	0	1,345	0	15,354	0	0	0	0	16,699
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	18,125	7,745	10,000	0	0	35,870	0	35,870	0	0	0	0	35,870	0	0	0	0	35,870
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	160	0	0	0	0	160	0	160	0	0	0	0	160	0	0	0	0	160
0	35	SEWER ASSET PLANNING-2018 SC	CW	S3	03	-2,679	3,690	7,995	8,000	8,000	25,006	2,000	27,006	0	0	2,173	0	24,833	0	0	0	0	27,006
0	36	SEWER SYSTEM INSPECTION-2018 SC	CW	S3	03	-8,188	2,424	-1,710	0	0	-7,474	0	-7,474	0	0	0	0	-7,474	0	0	0	0	-7,474
0	37	PPD - INFRASTRUCTURE PLANNING STUDIES-2018 SC	CW	S3	05	102	150	0	0	0	252	0	252	0	0	0	0	252	0	0	0	0	252
0	38	CORP IT - IDC-2018 SC	CW	S3	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	0	0	0	147
Sub-total						17,027	21,093	16,540	8,000	8,000	70,660	2,000	72,660	0	0	3,518	0	69,142	0	0	0	0	72,660
WAS906500 NEW SEWER CONSTRUCTION																							
0	5	NEW SEWERS	CW	S2	05	560	0	0	0	0	560	0	560	0	0	348	0	212	0	0	0	0	560
0	24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	2,280	5,000	5,000	0	0	12,280	0	12,280	0	0	6,140	0	6,140	0	0	0	0	12,280
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	5,000	1,550	0	0	0	6,550	0	6,550	0	0	6,550	0	0	0	0	0	0	6,550
0	36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S4	05	1,000	2,000	1,000	0	0	4,000	0	4,000	0	0	2,488	0	1,512	0	0	0	0	4,000
0	37	NEW SEWERS-2018 SC	CW	S3	05	-545	73	500	0	0	28	0	28	0	0	17	0	11	0	0	0	0	28
0	38	DOWNSVIEW LANDS EXTERNAL UPGRADES-2018 SC	CW	S3	05	-5,000	-1,550	1,450	5,000	1,550	1,450	0	1,450	0	0	1,450	0	0	0	0	0	0	1,450
0	39	WATERFRONT SANITARY MASTER SERVICING PLAN-2018 SC	CW	S3	05	-280	500	1,500	1,500	750	3,970	0	3,970	0	0	1,985	0	1,985	0	0	0	0	3,970
Sub-total						3,015	7,573	9,450	6,500	2,300	28,838	0	28,838	0	0	18,978	0	9,860	0	0	0	0	28,838
WAS906501 YARD & BUILDING RENOVATION																							
0	11	YARDS & BUILDING RENOVATION	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0							

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Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
010	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	12	69	0	0	0	81	0	81	0	0	7	0	74	0	0	0	0	81	
019	GROUP 1 SEWAGE PUMPING STATION UPGRADES -2018 SC	CW	S3	03	3	-34	20	0	0	-11	0	-11	0	0	-1	0	-10	0	0	0	0	-11	
Sub-total					15	35	20	0	0	70	0	70	0	0	6	0	64	0	0	0	0	0	70
WAS906741 HIGHLAND CREEK TP YR2005																							
01	WAS THICKENING AND DEWATERING - ENG	CW	S2	03	13	0	0	0	0	13	0	13	0	0	1	0	12	0	0	0	0	13	
020	WAS THICKENING AND DEWATERING - ENG - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	-1	0	-9	0	0	0	0	-10	
Sub-total					3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
WAS906742 HUMBER TP YR2005																							
08	ODOUR CONTROL ENGINEERING	CW	S2	04	10	500	100	20	0	630	0	630	0	0	0	0	630	0	0	0	0	630	
057	ODOUR CONTROL ENGINEERING - 2018 SC	CW	S3	04	295	-126	-10	0	0	159	0	159	0	0	0	0	159	0	0	0	0	159	
Sub-total					305	374	90	20	0	789	0	789	0	0	0	0	789	0	0	0	0	0	789
WAS906743 ASHRIDGES BAY TP YR2005																							
01	MISC MECH ENGINEERING	CW	S2	03	500	482	80	0	0	1,062	0	1,062	0	0	85	0	977	0	0	0	0	1,062	
07	SERVICE AIR UPGRADES	CW	S2	03	1,600	75	0	0	0	1,675	0	1,675	0	0	0	0	1,675	0	0	0	0	1,675	
061	MISC MECH ENGINEERING-2018 SC	CW	S3	03	0	179	0	0	0	179	0	179	0	0	14	0	165	0	0	0	0	179	
062	SERVICE AIR UPGRADES - 2018 SC	CW	S3	03	-1,435	1,252	0	0	0	-183	0	-183	0	0	0	0	-183	0	0	0	0	-183	
Sub-total					665	1,988	80	0	0	2,733	0	2,733	0	0	99	0	2,634	0	0	0	0	0	2,733
WAS906755 WESTERN BEACHES RETROFIT																							
01	WESTERN BEACHES RETROFIT	CW	S2	03	5,561	6,342	5,885	15	86	17,889	0	17,889	0	0	1,440	0	16,449	0	0	0	0	17,889	
016	WESTERN BEACHES RETROFIT-2018 SC	CW	S3	03	781	-1,042	492	0	0	231	0	231	0	0	18	0	213	0	0	0	0	231	
Sub-total					6,342	5,300	6,377	15	86	18,120	0	18,120	0	0	1,458	0	16,662	0	0	0	0	0	18,120
WAS906926 OPERATIONAL SUPPORT																							
06	FACILITY RENOVATION	CW	S2	04	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	1,500	
07	RENOVATION - MERTON STREET	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	20	
023	EMP MONITORING NEEDS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	50	

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Gross Expenditures (\$000's)

Appendix 4: 2018 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											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906926 OPERATIONAL SUPPORT																								
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	9,444	5,015	4,749	51	0	19,259	0	19,259	0	0	0	0	19,259	0	0	0	0	0	19,259
0	100	DIVISIONAL SECURITY	CW	S2	04	1,030	0	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030
0	107	OFFICE MODERNIZATION - MH18	CW	S2	04	1,875	0	0	0	0	1,875	0	1,875	0	0	0	0	1,875	0	0	0	0	0	1,875
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S2	04	500	1,000	2,000	400	0	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
0	115	PCS UPGRADES FOR WASTEWATER TREATMENT - 2018 SC	CW	S3	04	-7,624	1,746	1,351	4,014	25	-488	0	-488	0	0	0	0	-488	0	0	0	0	0	-488
0	116	DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC	CW	S3	04	-250	-750	-1,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	117	BACKUP POWER - FINCH AND DEE - 2018 SC	CW	S3	04	0	0	0	500	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	118	OFFICE MODERNIZATION - MH18 - 2018 SC	CW	S3	04	-1,425	450	975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	119	RENOVATION - MERTON STREET - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
0	120	DIVISIONAL SECURITY - 2018 SC	CW	S3	04	5	1,135	0	0	0	1,140	0	1,140	0	0	0	0	1,140	0	0	0	0	0	1,140
0	121	FACILITY RENOVATION - 2018 SC	CW	S3	04	0	0	750	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	122	435 KIPLING AVENUE	CW	S4	04	150	1,900	3,750	0	0	5,800	0	5,800	0	0	0	0	5,800	0	0	0	0	0	5,800
Sub-total						4,515	11,246	12,575	6,565	425	35,326	0	35,326	0	0	0	0	35,326	0	0	0	0	0	35,326
WAS906958 SEWER SYSTEM REHABILITATION																								
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	32	0	0	0	0	32	0	32	0	0	3	0	29	0	0	0	0	0	32
0	5	CCTV INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	224	0	0	0	0	224	0	224	0	0	18	0	206	0	0	0	0	0	224
0	9	SEWER REHABILITATION	CW	S2	03	16,161	6,036	36	0	0	22,233	0	22,233	0	0	0	0	22,233	0	0	0	0	0	22,233
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	115	0	0	0	0	115	0	115	0	0	9	0	106	0	0	0	0	0	115
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	6,300	6,265	3,928	2,128	0	18,621	0	18,621	0	0	1,498	0	17,123	0	0	0	0	0	18,621
0	79	SEWER REHABILITATION - CWD	CW	S2	03	52,158	18,200	1,700	1,700	1,700	75,458	150	75,608	0	0	0	0	75,608	0	0	0	0	0	75,608
0	91	SEWER REHABILITATION-2018 SC	CW	S3	03	8,117	17,818	13,800	5,500	4,700	49,935	0	49,935	0	0	0	0	49,935	0	0	0	0	0	49,935
0	92	SEWER REHABILITATION - CWD-2018 SC	CW	S3	03	-753	32,123	19,880	1,043	1,043	53,336	-150	53,186	0	0	0	0	53,186	0	0	0	0	0	53,186
0	94	SPS SCADA UPGRADES - ENGINEERING-2018 SC	CW	S3	04	17	512	0	0	0	529	0	529	0	0	42	0	487	0	0	0	0	0	529

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906958 SEWER SYSTEM REHABILITATION																								
0 95	SEWAGE PUMPING STATION STANDBY POWER-2018 SC	CW	S3	02	-114	117	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3	
0 96	GROUP 5 SEWAGE PUMPING STATION UPGRADES-2018 SC	CW	S3	05	-1,775	-4	579	-2,048	0	-3,248	0	-3,248	0	0	-261	0	-2,987	0	0	0	0	0	-3,248	
0 97	CCTV INSPECTION - 2018 SC	CW	S3	03	100	1,200	1,100	0	0	2,400	0	2,400	0	0	0	0	2,400	0	0	0	0	0	2,400	
Sub-total					81,782	82,267	41,023	8,323	7,443	220,838	0	220,838	0	0	1,309	0	219,529	0	0	0	0	0	220,838	
WAS906960 STREAM RESTORATION & EROSION CONTRC																								
0 7	STREAM RESTORATION	CW	S2	03	1,440	0	0	0	0	1,440	0	1,440	0	0	116	0	1,324	0	0	0	0	0	1,440	
0 41	WATERCOURSE - ENGINEERING	CW	S2	03	1,175	1,135	1,025	1,030	425	4,790	1,065	5,855	0	0	472	0	5,383	0	0	0	0	0	5,855	
0 43	PARTNER PROJECTS	CW	S2	03	1,920	1,600	600	200	0	4,320	0	4,320	0	0	348	0	3,972	0	0	0	0	0	4,320	
0 51	STUDIES, EAs, MASTER PLANS	CW	S2	03	2,330	1,930	860	410	50	5,580	0	5,580	0	0	448	0	5,132	0	0	0	0	0	5,580	
0 52	CRITICAL REPAIRS	CW	S2	03	2,367	1,500	1,275	1,575	1,410	8,127	1,145	9,272	0	0	748	0	8,524	0	0	0	0	0	9,272	
0 53	EMERGENCY EROSION CONTROL	CW	S2	03	860	850	300	300	150	2,460	0	2,460	0	0	198	0	2,262	0	0	0	0	0	2,460	
0 55	STREAM RESTORATION -2018 SC	CW	S3	03	-1,042	73	0	0	0	-969	0	-969	0	0	-78	0	-891	0	0	0	0	0	-969	
0 56	STUDIES, EAs, MASTER PLANS -2018 SC	CW	S3	03	-978	527	702	183	25	459	0	459	0	0	39	0	420	0	0	0	0	0	459	
0 57	CRITICAL REPAIRS-2018 SC	CW	S3	03	-887	1,353	683	648	-737	1,060	-567	493	0	0	39	0	454	0	0	0	0	0	493	
0 59	WATERCOURSE - ENGINEERING - 2018 SC	CW	S3	03	-705	-375	275	-130	615	-320	395	75	0	0	7	0	68	0	0	0	0	0	75	
0 60	EMERGENCY EROSION CONTROL - 2018 SC	CW	S3	03	-560	-550	0	0	0	-1,110	0	-1,110	0	0	-90	0	-1,020	0	0	0	0	0	-1,110	
0 61	PARTNER PROJECTS - 2018 SC	CW	S3	03	-1,320	-1,000	0	0	0	-2,320	0	-2,320	0	0	-188	0	-2,132	0	0	0	0	0	-2,320	
Sub-total					4,600	7,043	5,720	4,216	1,938	23,517	2,038	25,555	0	0	2,059	0	23,496	0	0	0	0	0	25,555	
WAS906966 SWM TRCA FUNDING																								
0 22	TORONTO WATER TRANSFER TO TRCA CAPITAL	CW	S3	04	4,382	0	0	0	0	4,382	0	4,382	0	0	353	0	4,029	0	0	0	0	0	4,382	
Sub-total					4,382	0	0	0	0	4,382	0	4,382	0	0	353	0	4,029	0	0	0	0	0	4,382	
WAS906968 ENGINEERING																								
0 2	CONSULTING FEES	CW	S2	03	14,195	11,737	5,571	2,647	825	34,975	1,440	36,415	0	0	0	0	36,415	0	0	0	0	0	36,415	
0 52	ECS SALARIES	CW	S2	03	114	0	0	0	0	114	0	114	0	0	0	0	114	0	0	0	0	0	114	
0 59	ROAD RESTORATION	CW	S2	03	800	0	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800	

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906968	ENGINEERING																							
0	65	ECS SALARIES - 2018 SC	CW	S3	03	14,477	0	0	0	0	14,477	0	14,477	0	0	0	0	14,477	0	0	0	0	0	14,477
0	67	ROAD RESTORATION-2018 SC	CW	S3	03	-71	729	0	0	0	658	0	658	0	0	0	0	658	0	0	0	0	0	658
0	68	CONSULTING FEES-2018 SC	CW	S3	03	-2,513	121	1,350	-346	320	-1,068	266	-802	0	0	0	0	-802	0	0	0	0	0	-802
0	69	TW SALARIES	CW	S4	03	967	0	0	0	0	967	0	967	0	0	0	0	967	0	0	0	0	0	967
Sub-total						27,969	12,587	6,921	2,301	1,145	50,923	1,706	52,629	0	0	0	0	52,629	0	0	0	0	0	52,629
WAS906973	SEWER REPLACEMENT PROGRAM																							
0	24	FORCEMAIN REPLACEMENT	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	25	2012 SEWER REPLC	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	35	2013 SEWER REPLC	CW	S2	03	9	0	0	0	0	9	0	9	0	0	1	0	8	0	0	0	0	0	9
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	335	0	0	0	0	335	0	335	0	0	27	0	308	0	0	0	0	0	335
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	1,483	0	0	0	0	1,483	0	1,483	0	0	970	0	513	0	0	0	0	0	1,483
0	47	EBF REPORT	CW	S2	04	400	0	0	0	0	400	0	400	0	0	262	0	138	0	0	0	0	0	400
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	244	1,961	1,916	1,916	0	6,037	0	6,037	0	0	0	0	6,037	0	0	0	0	0	6,037
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	895	0	0	0	0	895	0	895	0	0	72	0	823	0	0	0	0	0	895
0	71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	7,636	0	0	0	0	7,636	0	7,636	0	0	615	0	7,021	0	0	0	0	0	7,636
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	11,008	10,900	25	25	0	21,958	0	21,958	0	0	0	0	21,958	0	0	0	0	0	21,958
0	78	SEWER REPLC - 2017 PROGRAM	CW	S2	03	4,121	1,257	0	0	0	5,378	0	5,378	0	0	433	0	4,945	0	0	0	0	0	5,378
0	79	SEWER REPLC - 2018 PROGRAM	CW	S4	03	4,176	3,798	1,019	0	0	8,993	0	8,993	0	0	724	0	8,269	0	0	0	0	0	8,993
0	90	2012 SEWER REPLC-2018 SC	CW	S3	03	-84	320	0	0	0	236	0	236	0	0	0	0	236	0	0	0	0	0	236
0	91	2013 SEWER REPLC-2018 SC	CW	S3	03	0	10	0	0	0	10	0	10	0	0	1	0	9	0	0	0	0	0	10
0	92	SEWER REPLC - 2014 PROGRAM-2018 SC	CW	S3	03	-333	28	0	0	0	-305	0	-305	0	0	-25	0	-280	0	0	0	0	0	-305
0	93	SEWER REPLC - 2015 PROGRAM-2018 SC	CW	S3	03	-687	315	0	0	0	-372	0	-372	0	0	-30	0	-342	0	0	0	0	0	-372
0	94	SEWER REPLC - 2016 PROGRAM-2018 SC	CW	S3	03	-4,756	3,694	0	0	0	-1,062	0	-1,062	0	0	-86	0	-976	0	0	0	0	0	-1,062
0	95	FORCEMAIN REPLACEMENT - 2016-2018 SC	CW	S3	03	-6,660	-3,566	10,489	22	0	285	0	285	0	0	0	0	285	0	0	0	0	0	285

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Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906973 SEWER REPLACEMENT PROGRAM																								
0 96	SEWER REPLC - 2017 PROGRAM-2018 SC	CW	S3	03	-2,047	-536	60	0	0	-2,523	0	-2,523	0	0	-203	0	-2,320	0	0	0	0	0	-2,523	
0 97	SEWER REPLACEMENT - METROLINX - 2018 SC	CW	S3	03	-153	-748	50	0	800	-51	0	-51	0	0	0	0	-51	0	0	0	0	0	-51	
0 99	EBF REPORT - 2018 SC	CW	S3	04	1,000	1,624	0	0	0	2,624	0	2,624	0	0	1,716	0	908	0	0	0	0	0	2,624	
0 100	CSP RENEWAL	CW	S4	03	1,305	1,427	2,820	129	30	5,711	0	5,711	0	0	459	0	5,252	0	0	0	0	0	5,711	
Sub-total					18,017	20,484	16,379	2,092	830	57,802	0	57,802	0	0	4,936	0	52,866	0	0	0	0	0	57,802	
WAS906980 ASHBRIDGES BAY T.P. YR2006																								
0 9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3	
0 43	MEDIATION AGREEMENT IMPLEMENTATION - 2018 SC	CW	S3	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	
0 44	DEWATERING EQUIPMENT UPGRADES - 2018 SC	CW	S3	03	0	100	0	0	0	100	0	100	0	0	8	0	92	0	0	0	0	0	100	
Sub-total					4	100	0	0	0	104	0	104	0	0	8	0	96	0	0	0	0	0	104	
WAS906981 HIGHLAND CREEK WWTP UPGRADES																								
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,167	1,015	1,057	1,152	35	5,426	0	5,426	0	0	0	0	5,426	0	0	0	0	0	5,426	
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	416	42	5	0	0	463	0	463	0	0	37	0	426	0	0	0	0	0	463	
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	200	800	500	0	0	1,500	0	1,500	0	0	120	0	1,380	0	0	0	0	0	1,500	
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	120	0	0	0	0	120	0	120	0	0	0	0	120	0	0	0	0	0	120	
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	6,677	5,000	5,500	0	0	17,177	0	17,177	0	0	0	0	17,177	0	0	0	0	0	17,177	
0 23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	835	4,800	0	0	0	5,635	0	5,635	0	0	0	0	5,635	0	0	0	0	0	5,635	
0 32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	1,522	4,000	1,300	550	50	7,422	0	7,422	0	0	0	0	7,422	0	0	0	0	0	7,422	
0 80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	118	120	46	15	14	313	0	313	0	0	0	0	313	0	0	0	0	0	313	
0 90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0 92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	3,459	2,979	1,995	900	0	9,333	0	9,333	0	0	0	0	9,333	0	0	0	0	0	9,333	
0 101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	14,000	14,000	12,900	12,100	0	53,000	0	53,000	0	0	0	0	53,000	0	0	0	0	0	53,000	
0 102	LIQUID TRAIN - ENGINEERING	CW	S2	03	2,940	8,700	3,700	3,100	4,100	22,540	26,380	48,920	0	0	0	0	48,920	0	0	0	0	0	48,920	
0 123	COMMUNICATION SYSTEM	CW	S2	04	233	475	1,500	1,250	50	3,508	0	3,508	0	0	0	0	3,508	0	0	0	0	0	3,508	

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Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS906981	HIGHLAND CREEK WWTP UPGRADES																								
0 139	PROCESS & FACILITY UPGRADE-2018 SC	CW	S3	04	-913	1,369	550	498	1,565	3,069	85	3,154	0	0	0	0	3,154	0	0	0	0	0	3,154		
0 140	BIOSOLIDS TREATMENT UPGRADES -2018 SC	CW	S3	03	482	198	26	0	0	706	0	706	0	0	58	0	648	0	0	0	0	0	706		
0 141	DIGESTER GAS SYSTEM UPGRADES-2018 SC	CW	S3	03	98	0	-18	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80		
0 142	LIQUID TRAIN - ENGINEERING-2018 SC	CW	S3	03	-1,015	-4,450	1,700	2,000	-1,460	-3,225	3,207	-18	0	0	0	0	-18	0	0	0	0	0	-18		
0 143	LIQUID TRAIN REPAIRS - PHASE 1-2018 SC	CW	S3	03	-1,928	32,261	33,045	18,100	10,000	91,478	0	91,478	0	0	0	0	91,478	0	0	0	0	0	91,478		
0 144	TRANSFORMERS AND SWITCHGEAR-2018 SC	CW	S3	05	-190	-610	300	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0 145	AERATION SYSTEM & ASSOCIATED BLDG UPGRADES-2018 SC	CW	S3	04	-14,000	-14,000	-12,900	-12,100	0	-53,000	0	-53,000	0	0	0	0	-53,000	0	0	0	0	0	-53,000		
0 146	DIGESTER CLEANING, REHAB IMPROVEMENTS #4-7-2018 SC	CW	S3	03	-24	219	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195		
0 147	PROCESS IMPROVEMENTS (ROADMAP FOR RCM) - 2018 SC	CW	S3	03	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200		
0 148	MECH & ELECTRICAL UPGRADE ENGINEERING - 2018 SC	CW	S3	03	-91	60	0	0	0	-31	0	-31	0	0	0	0	-31	0	0	0	0	0	-31		
0 149	CEPA COMPLIANCE - CL NOTICE - HCTP - 2018 SC	CW	S3	02	-622	900	7,600	7,982	0	15,860	0	15,860	0	0	0	0	15,860	0	0	0	0	0	15,860		
0 150	ELECTRICAL UPGRADES - ECAR - 2018 SC	CW	S3	03	-440	692	0	0	0	252	0	252	0	0	0	0	252	0	0	0	0	0	252		
0 151	COMMUNICATION SYSTEM - 2018 SC	CW	S3	04	42	-275	750	970	-30	1,457	10	1,467	0	0	0	0	1,467	0	0	0	0	0	1,467		
Sub-total					14,086	58,295	59,556	37,017	14,324	183,278	29,682	212,960	0	0	215	0	212,745	0	0	0	0	0	212,960		
WAS906982	HUMBER WWTP UPGRADES																								
0 2	CHLORINE FACILITY UPGRADE	CW	S2	01	643	0	0	0	0	643	0	643	0	0	0	0	643	0	0	0	0	0	643		
0 6	NEW SUBSTATION	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5		
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,677	2,710	23	23	0	5,433	0	5,433	0	0	0	0	5,433	0	0	0	0	0	5,433		
0 29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	500	605	500	443	20	2,068	0	2,068	0	0	0	0	2,068	0	0	0	0	0	2,068		
0 52	HVAC UPGRADES	CW	S2	03	8,016	2,150	17	17	0	10,200	0	10,200	0	0	0	0	10,200	0	0	0	0	0	10,200		
0 81	BLOWER REPLACEMENT	CW	S2	03	250	100	200	750	4,700	6,000	12,650	18,650	0	0	0	0	18,650	0	0	0	0	0	18,650		
0 82	DIGESTERS CLEANING REHAB	CW	S4	03	550	1,400	1,500	1,500	1,550	6,500	0	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500		
0 95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,800	4,500	2,700	50	50	9,100	0	9,100	0	0	0	0	9,100	0	0	0	0	0	9,100		
0 99	WET WEATHER FLOW	CW	S2	04	2,100	1,500	1,000	0	0	4,600	0	4,600	0	0	0	0	4,600	0	0	0	0	0	4,600		

Report Phase 2 - Program 11 Wastewater Program Program Phase 2 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5 Sub-Project Category 01,02,03,04,05,06,07 User Fields ALL

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Gross Expenditures (\$000's)

Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program

Sub- Project No. Project Name PrioritySubProj No. Sub-project NameWard Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906982 HUMBER WWTP UPGRADES																								
0	107	MESI UPGRADES	CW	S2	03	860	500	500	500	0	2,360	0	2,360	0	0	0	0	2,360	0	0	0	0	0	2,360
0	108	BUILDING UPGRADES ENGINEERING	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	114	FIELD OFFICE	CW	S2	03	471	0	0	0	0	471	0	471	0	0	0	0	471	0	0	0	0	0	471
0	115	ADMIN BUILDING EXPANSION - CONSTRUCTION	CW	S4	04	500	5,000	6,500	6,000	4,000	22,000	3,000	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000
0	116	SERVICE REHAB AND UPGRADES	CW	S2	03	1,000	500	8,250	8,250	8,000	26,000	0	26,000	0	0	0	0	26,000	0	0	0	0	0	26,000
0	117	BLOWER REPLACEMENT-2018 SC	CW	S3	03	-250	-100	-200	-750	-4,600	-5,900	100	-5,800	0	0	0	0	-5,800	0	0	0	0	0	-5,800
0	118	WET WEATHER FLOW-2018 SC	CW	S3	04	-1,700	-1,000	-400	2,500	4,750	4,150	4,500	8,650	0	0	0	0	8,650	0	0	0	0	0	8,650
0	119	SERVICE REHAB AND UPGRADES-2018 SC	CW	S3	03	-1,000	100	-7,750	-5,750	-3,250	-17,650	4,500	-13,150	0	0	0	0	-13,150	0	0	0	0	0	-13,150
0	120	ELECTRICAL CONDITION ASSESSMENT RECOMM - 2018 SC	CW	S3	01	-256	-48	0	0	0	-304	0	-304	0	0	0	0	-304	0	0	0	0	0	-304
0	121	OPERATIONS CONTROL CENTRE - ENGINEERING - 2018 SC	CW	S3	04	117	162	300	11	407	997	0	997	0	0	0	0	997	0	0	0	0	0	997
0	122	REPLACEMENT OF WASTE GAS BURNERS - 2018 SC	CW	S3	03	-550	3,400	2,800	2,720	-10	8,360	0	8,360	0	0	0	0	8,360	0	0	0	0	0	8,360
0	123	BUILDING UPGRADES ENGINEERING - 2018 SC	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100
0	124	CHLORINE FACILITY UPGRADE - 2018 SC	CW	S3	01	-638	718	0	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0	125	NEW SUBSTATION - 2018 SC	CW	S3	03	7	20	0	0	0	27	0	27	0	0	0	0	27	0	0	0	0	0	27
0	126	HVAC UPGRADES - 2018 SC	CW	S3	03	-2,106	1,610	2,305	0	0	1,809	0	1,809	0	0	0	0	1,809	0	0	0	0	0	1,809
0	127	MESI UPGRADES - 2018 SC	CW	S3	03	-360	0	0	0	500	140	0	140	0	0	0	0	140	0	0	0	0	0	140
0	128	FIELD OFFICE - 2018 SC	CW	S3	03	191	0	0	0	0	191	0	191	0	0	0	0	191	0	0	0	0	0	191
Sub-total						12,827	23,827	18,245	16,264	16,117	87,280	24,750	112,030	0	0	0	0	112,030	0	0	0	0	0	112,030
WAS906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HA																								
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	2,557	2,500	2,500	2,200	2,200	11,957	3,400	15,357	0	0	1,236	0	14,121	0	0	0	0	0	15,357
0	3	WAS THICKENING - CONSTR	CW	S2	03	504	0	0	0	0	504	0	504	0	0	41	0	463	0	0	0	0	0	504
0	8	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S4	04	10	70	3,000	25,000	25,000	53,080	53,920	107,000	0	0	8,611	0	98,389	0	0	0	0	0	107,000
0	19	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2018 SC	CW	S3	04	-57	0	500	0	-200	243	3,050	3,293	0	0	265	0	3,028	0	0	0	0	0	3,293

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Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program																									
							Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
												Total	Total	Total					Capital from Current		Debt - Recoverable		Total Financing		
Sub-Project No.	Project Name	Priority	SubProj No.	Sub-project Name	Ward	Stat. Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Other 1	Other2	Debt			
WAS906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HA																									
0	20	WAS THICKENING - CONSTR-2018 SC			CW	S3	03	-9	0	0	0	0	-9	0	-9	0	0	-1	0	-8	0	0	0	0	-9
Sub-total							3,005	2,570	6,000	27,200	27,000	65,775	60,370	126,145	0	0	10,152	0	115,993	0	0	0	0	0	126,145
WAS907038 Land Acquisition for Source Water Protect																									
0	25	TRCA - SCARBOROUGH WATERFRONT WEST EA			CW	S2	04	1,200	350	0	0	0	1,550	0	1,550	0	0	124	0	1,426	0	0	0	0	1,550
0	29	TRCA - CRITICAL EROSION SITES			CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	0	0	644	0	7,356	0	0	0	0	8,000
0	30	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2018 SC			CW	S3	04	800	0	0	0	0	800	0	800	0	0	64	0	736	0	0	0	0	800
0	31	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2018 SC			CW	S3	04	-350	450	0	0	0	100	0	100	0	0	8	0	92	0	0	0	0	100
Sub-total							9,650	800	0	0	0	10,450	0	10,450	0	0	840	0	9,610	0	0	0	0	0	10,450
WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC																									
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT			CW	S2	02	100	100	100	0	0	300	0	300	0	0	0	0	300	0	0	0	0	300
0	19	BIO GAS UTILIZATION			CW	S2	04	1,200	1,000	2,000	2,000	50	6,250	50	6,300	0	0	0	0	6,300	0	0	0	0	6,300
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS			CW	S2	04	1,970	1,970	165	210	1,045	5,360	10	5,370	0	0	0	0	5,370	0	0	0	0	5,370
0	64	GROVE LANDSCAPING - PHASE 1			CW	S2	04	2,256	0	0	0	0	2,256	0	2,256	0	0	0	0	2,256	0	0	0	0	2,256
0	65	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2018 SC			CW	S3	04	404	2,700	5,309	-187	-1,045	7,181	-10	7,171	0	0	0	0	7,171	0	0	0	0	7,171
0	66	GROVE LANDSCAPING - PHASE 1-2018 SC			CW	S3	04	1,486	7	7	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	1,500
0	67	BIO GAS UTILIZATION - 2018 SC			CW	S3	04	-1,000	-200	-1,000	-1,000	1,950	-1,250	3,100	1,850	0	0	0	0	1,850	0	0	0	0	1,850
Sub-total							6,416	5,577	6,581	1,023	2,000	21,597	3,150	24,747	0	0	0	0	24,747	0	0	0	0	0	24,747
WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE																									
0	1	DISINFECTION ENGINEERING			CW	S2	02	4,456	2,497	1,607	75	75	8,710	0	8,710	0	0	700	0	8,010	0	0	0	0	8,710
0	2	OUTFALL CONSTRUCTION			CW	S4	02	5,000	30,000	52,000	57,000	62,000	206,000	121,000	327,000	0	0	26,316	0	300,684	0	0	0	0	327,000
0	13	OUTFALL ASSESSMENT			CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	5
0	14	OUTFALL ENGINEERING			CW	S2	02	5,874	4,380	3,400	3,400	2,500	19,554	7,335	26,889	0	0	2,163	0	24,726	0	0	0	0	26,889
0	15	DISINFECTION SYSTEM CONSTRUCTION			CW	S2	02	75,080	90,000	64,900	0	0	229,980	0	229,980	0	0	18,508	0	211,472	0	0	0	0	229,980
0	31	OUTFALL - SITE PREP			CW	S2	02	450	0	0	0	0	450	0	450	0	0	36	0	414	0	0	0	0	450
0	33	DISINFECTION ENGINEERING-2018 SC			CW	S3	02	-3,656	2,403	-57	1,000	417	107	133	240	0	0	21	0	219	0	0	0	0	240

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE																							
0 34	DISINFECTION SYSTEM CONSTRUCTION-2018 SC	CW	S3	02	-24,945	-19,865	5,235	50,000	41,000	51,425	0	51,425	0	0	4,139	0	47,286	0	0	0	0	0	51,425
0 35	OUTFALL ENGINEERING-2018 SC	CW	S3	02	-3,449	1,350	2,463	0	0	364	184	548	0	0	44	0	504	0	0	0	0	0	548
0 36	OUTFALL ASSESSMENT - 2018 SC	CW	S3	02	0	57	0	0	0	57	0	57	0	0	5	0	52	0	0	0	0	0	57
Sub-total					58,815	110,822	129,548	111,475	105,992	516,652	128,652	645,304	0	0	51,932	0	593,372	0	0	0	0	0	645,304
WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMEN																							
0 1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	540	0	0	0	0	540	0	540	0	0	43	0	497	0	0	0	0	0	540
0 3	P BLDG HEADWORKS UPGRADE	CW	S2	03	7,546	17,074	0	0	0	24,620	0	24,620	0	0	1,981	0	22,639	0	0	0	0	0	24,620
0 6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	3,940	0	0	0	0	3,940	0	3,940	0	0	0	0	3,940	0	0	0	0	0	3,940
0 10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	6,689	7,235	4,710	5,979	2,705	27,318	16,679	43,997	0	0	0	0	43,997	0	0	0	0	0	43,997
0 12	WORK AREA 1 REHAB	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0 39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	3,350	15,000	26,358	47,000	25,025	116,733	262,850	379,583	0	0	0	0	379,583	0	0	0	0	0	379,583
0 77	FINE BUBBLE AERATION - ENGINEERING	CW	S2	03	1,500	3,000	3,000	3,000	3,000	13,500	4,650	18,150	0	0	1,464	0	16,686	0	0	0	0	0	18,150
0 80	INTEGRATED PUMPING STATION (IPS) - CONST-2018 SC	CW	S3	03	5,450	2,700	192	0	0	8,342	0	8,342	0	0	0	0	8,342	0	0	0	0	0	8,342
0 81	FINE BUBBLE AERATION - ENGINEERING-2018 SC	CW	S3	03	-1,100	-2,850	-3,000	-3,000	-3,000	-12,950	5,850	-7,100	0	0	-573	0	-6,527	0	0	0	0	0	-7,100
0 82	FINE BUBBLE AERATION - TANK #2-2018 SC	CW	S3	03	-410	316	0	0	0	-94	0	-94	0	0	-8	0	-86	0	0	0	0	0	-94
0 83	P BLDG HEADWORKS UPGRADE-2018 SC	CW	S3	03	9,479	-11,909	0	0	0	-2,430	0	-2,430	0	0	-195	0	-2,235	0	0	0	0	0	-2,430
0 85	INTEGRATED PUMPING STATION (IPS) - ENG - 2018 SC	CW	S3	03	511	1,041	53	-156	0	1,449	27	1,476	0	0	0	0	1,476	0	0	0	0	0	1,476
0 86	M & T PUMPING STATION CRITICAL REPAIRS - 2018 SC	CW	S3	03	-440	1,360	0	0	0	920	0	920	0	0	0	0	920	0	0	0	0	0	920
0 87	Primary and Final Tank Upgrades	CW	S4	03	42	0	0	0	0	42	0	42	0	0	3	0	39	0	0	0	0	0	42
0 88	WORK AREA 1 REHAB - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
Sub-total					37,097	32,967	31,313	52,823	27,730	181,930	290,056	471,986	0	0	2,715	0	469,271	0	0	0	0	0	471,986
WAS907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HA																							
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,005	2,000	2,000	2,298	400	9,703	304	10,007	0	0	805	0	9,202	0	0	0	0	0	10,007
0 4	DIGESTERS 9-12 REFURBISH	CW	S2	03	3,373	15,010	9,010	6,481	10	33,884	80	33,964	0	0	2,733	0	31,231	0	0	0	0	0	33,964

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HA																									
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800		
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S2	03	20,000	25,000	32,000	30,000	27,000	134,000	15,000	149,000	0	0	11,991	0	137,009	0	0	0	0	0	149,000		
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	937	1,290	0	0	0	2,227	0	2,227	0	0	0	0	2,227	0	0	0	0	0	2,227		
0 49	DIGESTERS 9-12 REFURBISH-2018 SC	CW	S3	03	3,977	968	1,757	4	2	6,708	0	6,708	0	0	541	0	6,167	0	0	0	0	0	6,708		
0 50	WASTE ACTIVATED SLUDGE UPGRADE - ENG-2018 SC	CW	S3	03	-1,073	500	500	202	1,600	1,729	500	2,229	0	0	178	0	2,051	0	0	0	0	0	2,229		
0 51	WASTE ACTIVATED SLUDGE UPGRADE - CONST-2018 SC	CW	S3	03	-14,677	10,000	3,000	5,000	3,000	6,323	5,000	11,323	0	0	912	0	10,411	0	0	0	0	0	11,323		
0 54	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2018 SC	CW	S3	03	-347	-542	695	820	55	681	55	736	0	0	0	0	736	0	0	0	0	0	736		
0 55	BIOSOLIDS PELLETIZER RETROFIT - 2018 SC	CW	S3	03	0	0	400	400	400	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200		
Sub-total					15,595	54,626	49,362	45,205	32,467	197,255	20,939	218,194	0	0	17,160	0	201,034	0	0	0	0	0	218,194		
WAS907101 ASHBRIDGES BAY WWTP - O&M UPGRADES																									
0 5	BOILER #4 DESIGN	CW	S2	03	11	6	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17		
0 6	MESI UPGRADES	CW	S2	03	3,432	3,167	0	0	0	6,599	0	6,599	0	0	0	0	6,599	0	0	0	0	0	6,599		
0 7	MISC MECH REHAB	CW	S2	03	6,256	0	0	0	0	6,256	0	6,256	0	0	0	0	6,256	0	0	0	0	0	6,256		
0 35	BOILER #4 DESIGN - 2018 SC	CW	S3	03	0	-6	0	0	0	-6	0	-6	0	0	0	0	-6	0	0	0	0	0	-6		
0 36	MISC MECH REHAB - 2018 SC	CW	S3	03	-1,856	2,200	0	0	0	344	0	344	0	0	0	0	344	0	0	0	0	0	344		
0 37	MESI UPGRADES - 2018 SC	CW	S3	03	-563	-205	3,000	0	0	2,232	0	2,232	0	0	0	0	2,232	0	0	0	0	0	2,232		
Sub-total					7,280	5,162	3,000	0	0	15,442	0	15,442	0	0	0	0	15,442	0	0	0	0	0	15,442		
WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL																									
0 6	BIOFILTERS UPGRADE & REPLACEMENT	CW	S2	03	5,434	100	0	0	0	5,534	0	5,534	0	0	445	0	5,089	0	0	0	0	0	5,534		
0 13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	220	0	0	0	0	220	0	220	0	0	18	0	202	0	0	0	0	0	220		
0 40	BIOFILTERS UPGRADE & REPLACEMENT-2018 SC	CW	S3	03	-134	1,092	850	72	0	1,880	0	1,880	0	0	152	0	1,728	0	0	0	0	0	1,880		
0 41	D BUILDING TREATMENT & BIOFILTER-2018 SC	CW	S3	03	-110	493	0	0	0	383	0	383	0	0	31	0	352	0	0	0	0	0	383		
Sub-total					5,410	1,685	850	72	0	8,017	0	8,017	0	0	646	0	7,371	0	0	0	0	0	8,017		
WAS907104 HUMBER WWTP - LIQUID TREATMENT & HAN																									
0 2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	7,576	4,750	4,805	5,193	150	22,474	694	23,168	0	0	1,863	0	21,305	0	0	0	0	0	23,168		

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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														
							2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAS907104 HUMBER WWTP - LIQUID TREATMENT & HAN																											
0	19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03		46,555	28,500	28,500	19,003	15,000	137,558	0	137,558	0	0	11,078	0	126,480	0	0	0	0	0	0	137,558	
0	26	SECONDARY TREATMENT UPGRADES - SOUTH - ENG-2018 SC	CW	S3	03		-4,566	-1,450	-1,505	-1,893	3,110	-6,304	5,721	-583	0	0	-45	0	-538	0	0	0	0	0	0	-583	
0	27	SECONDARY TREATMENT UPGRADES -SOUTH-CONS-2018 SC	CW	S3	03		-23,555	-5,500	-4,500	11,997	-3,000	-24,558	27,290	2,732	0	0	217	0	2,515	0	0	0	0	0	0	2,732	
Sub-total							26,010	26,300	27,300	34,300	15,260	129,170	33,705	162,875	0	0	13,113	0	149,762	0	0	0	0	0	0	162,875	
WAS907105 HUMBER WWTP - O&M UPGRADES																											
0	1	GAS COMPRESSOR SYSTEM UPGRADES	CW	S2	03		1,050	64	0	0	0	1,114	0	1,114	0	0	0	0	1,114	0	0	0	0	0	0	1,114	
0	2	LIQUID STREAM UPGRADES	CW	S2	03		5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	0	5	
0	33	GAS COMPRESSOR SYSTEM UPGRADES - 2018 SC	CW	S3	03		-99	453	0	0	0	354	0	354	0	0	0	0	354	0	0	0	0	0	0	354	
0	34	LIQUID STREAM UPGRADES - 2018 SC	CW	S3	03		0	386	0	0	0	386	0	386	0	0	31	0	355	0	0	0	0	0	0	386	
Sub-total							956	903	0	0	0	1,859	0	1,859	0	0	31	0	1,828	0	0	0	0	0	0	1,859	
WAS907106 HUMBER WWTP - ODOUR CONTROL																											
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02		3,986	0	0	0	0	3,986	0	3,986	0	0	321	0	3,665	0	0	0	0	0	0	3,986	
0	14	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2018 SC	CW	S3	02		-1,004	1,000	0	0	0	-4	0	-4	0	0	-1	0	-3	0	0	0	0	0	0	-4	
Sub-total							2,982	1,000	0	0	0	3,982	0	3,982	0	0	320	0	3,662	0	0	0	0	0	0	0	3,982
WAS907224 SEWAGE PUMPING STATION UPGRADES																											
0	1	SPS UPGRADES	CW	S2	02		4,768	1,000	0	0	0	5,768	0	5,768	0	0	464	0	5,304	0	0	0	0	0	0	5,768	
0	18	SPS UPGRADES - GROUP 6	CW	S2	02		400	3,394	6,250	5,356	4,390	19,790	3,148	22,938	0	0	1,845	0	21,093	0	0	0	0	0	0	22,938	
0	26	SPS UPGRADES - GROUP 7	CW	S4	02		175	375	3,025	3,125	2,600	9,300	5,400	14,700	0	0	1,184	0	13,516	0	0	0	0	0	0	14,700	
0	32	SPS UPGRADES - GROUP 6-2018 SC	CW	S3	02		0	497	-1,000	0	0	-503	505	2	0	0	1	0	1	0	0	0	0	0	0	2	
0	33	SPS UPGRADES - 2018 SC	CW	S3	02		-1,766	500	750	0	0	-516	0	-516	0	0	-41	0	-475	0	0	0	0	0	0	-516	
0	34	FACILITY & PROCESS UPGRADES	CW	S4	03		100	400	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	0	2,000	
0	35	SCOTT ST PS & SIMCOE ST PS	CW	S4	05		100	150	400	3,350	4,265	8,265	1,985	10,250	0	0	825	0	9,425	0	0	0	0	0	0	10,250	
Sub-total							3,777	6,316	9,925	12,331	11,755	44,104	11,038	55,142	0	0	4,278	0	50,864	0	0	0	0	0	0	55,142	
WAS907559 DON & WATERFRONT TRUNK CSO																											
0	1	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	CW	S2	04		5,671	9,054	6,475	6,475	6,475	34,150	1,076	35,226	0	0	2,834	0	32,392	0	0	0	0	0	0	35,226	

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Wastewater 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS907559	DON & WATERFRONT TRUNK CSO																						
0 15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S4	04	6,800	2,850	0	0	0	9,650	0	9,650	0	0	776	0	8,874	0	0	0	0	9,650	
0 17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S2	04	500	700	10,400	2,700	50	14,350	50	14,400	0	0	1,158	0	13,242	0	0	0	0	14,400	
0 18	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S4	04	17,500	80,000	85,000	85,000	85,000	352,500	147,500	500,000	0	0	34,917	0	465,083	0	0	0	0	500,000	
0 22	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN-2018 SC	CW	S3	04	-1,247	1,379	0	0	0	132	0	132	0	0	11	0	121	0	0	0	0	132	
0 23	DCW P1 OFFLINE STORAGE TANK SHEPPARD/LESLIE-2018SC	CW	S3	04	0	500	775	1,360	1	2,636	0	2,636	0	0	214	0	2,422	0	0	0	0	2,636	
Sub-total					29,224	94,483	102,650	95,535	91,526	413,418	148,626	562,044	0	0	39,910	0	522,134	0	0	0	0	562,044	
WAS907700	NORTH TORONTO WTP UPGRADES																						
0 2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	1,754	2,724	1,198	0	0	5,676	0	5,676	0	0	0	0	5,676	0	0	0	0	5,676	
0 10	OPS INTERFACE NTTP	CW	S2	04	300	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	300	
0 11	NTTP - PROCESS IMPROVEMENTS	CW	S2	04	4,496	4,000	1,340	50	0	9,886	0	9,886	0	0	0	0	9,886	0	0	0	0	9,886	
0 13	NTTP - ELECTRICAL UPGRADES - ECAR - 2018 SC	CW	S3	01	-594	-294	793	1,585	31	1,521	0	1,521	0	0	0	0	1,521	0	0	0	0	1,521	
0 14	NTTP - PROCESS IMPROVEMENTS - 2018 SC	CW	S3	04	-3,496	1,250	3,760	0	50	1,564	0	1,564	0	0	0	0	1,564	0	0	0	0	1,564	
Sub-total					2,460	7,680	7,091	1,635	81	18,947	0	18,947	0	0	0	0	18,947	0	0	0	0	18,947	
WAS908143	Georgetown South City Infrastructure Upgrades																						
0 1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	6,132	5,680	0	0	0	11,812	0	11,812	0	0	36	0	11,776	0	0	0	0	11,812	
0 8	GEORGETOWN SOUTH CITY INFRASTR UPGRADES - 2018 SC	CW	S3	05	-1,017	-565	0	0	0	-1,582	0	-1,582	0	0	788	0	-2,370	0	0	0	0	-1,582	
Sub-total					5,115	5,115	0	0	0	10,230	0	10,230	0	0	824	0	9,406	0	0	0	0	10,230	
WASWP003	EMERY CREEK POND																						
0 1	EMERY CREEK POND	CW	S2	04	544	50	50	0	0	644	0	644	0	0	52	0	592	0	0	0	0	644	
0 16	EMERY CREEK POND-2018 SC	CW	S3	04	-50	497	44	0	0	491	0	491	0	0	40	0	451	0	0	0	0	491	
Sub-total					494	547	94	0	0	1,135	0	1,135	0	0	92	0	1,043	0	0	0	0	1,135	
WASWP050	EQUIPMENT REPLACEMENT & REHABILITATION																						
0 78	EQUIPMENT REPLACEMENT	CW	S2	03	9,032	5,802	4,000	0	0	18,834	0	18,834	0	0	0	0	18,834	0	0	0	0	18,834	
0 135	EQUIPMENT REPLACEMENT - 2018 SC	CW	S3	03	-3,327	930	2,100	695	40	438	53	491	0	0	0	0	491	0	0	0	0	491	

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program																									
<div>Sub- Project No. Project Name</div> <div>PrioritySubProj No. Sub-project Name</div> <div>Ward Stat. Cat.</div> <div>WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION</div> <div>0 136 ABTP - DIG. TANKS #1-8 MODS. CW S4 03</div> <div>Sub-total</div> <div>Total Program Expenditure</div>						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
											Total	Total	Total				Capital				Debt -	Total			
						2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recoverable Debt	Financing		
						2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027												
						1	0	0	0	0	1	0	1		0	0	0	0	1	0	0	0	0	0	1
						5,706	6,732	6,100	695	40	19,273	53	19,326		0	0	0	0	19,326	0	0	0	0	0	19,326
						576,796	858,986	854,880	733,754	585,578	3,609,994	1,405,638	5,015,632		0	0	185,613	0	4,830,019	0	0	0	0	5,015,632	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2018 Cash Flow and Future Year Commitments

Wastewater Program																						
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Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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

2018 Recommended 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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2018 Cash Flow	Financing								Debt	Debt - Recoverable
					Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2		
0	<u>WAT000004 HORGAN W.T.P. EXPANSION</u>													
0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004	12/31/2018	83	0	0	27	0	29	0	0	27	0	0
0	40 PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018 SC	01/01/2018	12/31/2018	-75	0	0	-24	0	-27	0	0	-24	0	0
	Project Sub-total:			8	0	0	3	0	2	0	0	3	0	0
0	<u>WAT000014 WATER STORAGE EXPANSION</u>													
0	2 Milliken PS and Reservoir - Engineering	01/01/2007	12/31/2018	37	0	0	15	0	8	0	0	14	0	0
	Project Sub-total:			37	0	0	15	0	8	0	0	14	0	0
0	<u>WAT000018 CLARK RESIDUE MGMT. FACILITIES</u>													
0	24 RESIDUALS RETROFITS AND UPGRADES	01/01/2013	12/31/2019	2,841	0	0	0	0	2,841	0	0	0	0	0
0	30 RESIDUALS RETROFITS AND UPGRADES - 2018 SC	01/01/2018	12/31/2019	42	0	0	0	0	42	0	0	0	0	0
	Project Sub-total:			2,883	0	0	0	0	2,883	0	0	0	0	0
0	<u>WAT000021 WATER EFFICIENCY PROGRAM</u>													
0	10 ICI INDOOR WATER AUDIT	01/01/2005	12/31/2019	300	0	0	300	0	0	0	0	0	0	0
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2005	12/31/2019	225	0	0	225	0	0	0	0	0	0	0
0	12 ANCILLARY COSTS	01/01/2005	12/31/2020	70	0	0	70	0	0	0	0	0	0	0
0	94 PUBLIC EDUCATION & PROMOTIONS - 2018 SC	01/01/2018	12/31/2022	-150	0	0	-150	0	0	0	0	0	0	0
	Project Sub-total:			445	0	0	445	0	0	0	0	0	0	0
0	<u>WAT000363 ENGINEERING STUDIES</u>													
0	2 IMPROVED TREATMENT STUDIES	01/01/2005	12/31/2018	183	0	0	0	0	128	0	0	55	0	0
0	18 CONTROLLED SUBSTANCES ID AND ABATEMENT	01/01/2007	12/31/2019	100	0	0	0	0	100	0	0	0	0	0
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/2008	12/31/2018	147	0	0	0	0	147	0	0	0	0	0
0	38 CORROSION CONTROL	01/01/2011	12/31/2018	4	0	0	0	0	4	0	0	0	0	0
0	76 ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	01/01/2018	12/31/2018	-117	0	0	0	0	-117	0	0	0	0	0
0	78 IMPROVED TREATMENT STUDIES - 2018 SC	01/01/2018	12/31/2019	-73	0	0	0	0	-51	0	0	-22	0	0
	Project Sub-total:			244	0	0	0	0	211	0	0	33	0	0
0	<u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u>													
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011	12/31/2019	85	0	0	0	0	85	0	0	0	0	0
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/2013	12/31/2020	350	0	0	0	0	350	0	0	0	0	0
0	41 SCADA UPGRADES FOR WWT	01/01/2012	12/31/2022	6,306	0	0	0	0	6,306	0	0	0	0	0
0	67 SCADA UPGRADES FOR WWT - II	01/01/2012	12/31/2020	1,361	0	0	0	0	1,361	0	0	0	0	0
0	85 NETWORK IMPROVEMENTS	01/01/2016	12/31/2018	1,510	0	0	0	0	1,510	0	0	0	0	0
0	86 BLANKET CONTRACT MGMT TOOL	01/01/2016	12/31/2018	150	0	0	0	0	150	0	0	0	0	0
0	87 PCS UPGRADES 2017	01/01/2016	12/31/2019	315	0	0	0	0	315	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing				2018	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
0	WAT906334	BUSINESS SYSTEM INFRASTRUCTURE - PW													
0		88 TRUNK RADIO - EQUIPMENT	01/01/2016	12/31/2018	1,400	0	0	0	0	1,400	0	0	0	0	0
0		97 SCADA SOFTWARE	01/01/2016	12/31/2021	276	0	0	0	0	276	0	0	0	0	0
0		98 SCADA UPGRADES FOR WWT-2018 SC	01/01/2018	12/31/2024	-3,843	0	0	0	0	-3,843	0	0	0	0	0
0		99 SCADA UPGRADES FOR WWT - II -2018 SC	01/01/2018	12/31/2020	-95	0	0	0	0	-95	0	0	0	0	0
0		100 TRUNK RADIO - EQUIPMENT-2018 SC	01/01/2018	12/31/2022	-1,400	0	0	0	0	-1,400	0	0	0	0	0
0		101 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 201	01/01/2018	12/31/2018	6	0	0	0	0	6	0	0	0	0	0
0		102 RELIABILITY IMPROVEMENT PROGRAM - 2018 SC	01/01/2018	12/31/2022	-130	0	0	0	0	-130	0	0	0	0	0
0		103 PCS LEGACY ALARM IMPROVEMENT - 2018 SC	01/01/2018	12/31/2019	-65	0	0	0	0	-65	0	0	0	0	0
0		104 PCS UPGRADES FOR WATER SUPPLY - 2018 SC	01/01/2018	12/31/2018	17	0	0	0	0	17	0	0	0	0	0
0		105 BLANKET CONTRACT MGMT TOOL - 2018 SC	01/01/2018	12/31/2018	-150	0	0	0	0	-150	0	0	0	0	0
0		106 NETWORK IMPROVEMENTS - 2018 SC	01/01/2018	12/31/2019	-341	0	0	0	0	-341	0	0	0	0	0
0		107 PCS UPGRADES 2017 - 2018 SC	01/01/2018	12/31/2020	-210	0	0	0	0	-210	0	0	0	0	0
0		108 SCADA SOFTWARE - 2018 SC	01/01/2018	12/31/2021	-96	0	0	0	0	-96	0	0	0	0	0
		Project Sub-total:			5,446	0	0	0	0	5,446	0	0	0	0	0
0	WAT906340	METERING & METER READING SYS													
0		2 AUTOMATED METER READING SYSTEM	01/01/2005	12/31/2020	3,450	0	0	0	0	3,450	0	0	0	0	0
0		19 AUTOMATED METER READING SYSTEM-2018 SC	01/01/2018	12/31/2020	-150	0	0	0	0	-150	0	0	0	0	0
		Project Sub-total:			3,300	0	0	0	0	3,300	0	0	0	0	0
0	WAT906468	HORGAN TRUNK MAIN EXPANSION													
0		52 DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineeri	01/01/2018	12/31/2026	400	0	0	152	0	248	0	0	0	0	0
		Project Sub-total:			400	0	0	152	0	248	0	0	0	0	0
0	WAT906470	ISLAND W.T.P. R&R													
0		8 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/2013	12/31/2024	1,629	0	0	0	0	1,629	0	0	0	0	0
0		11 CHEMICAL & RESIDUALS MANAGEMENT CONST	01/01/2015	12/31/2022	3,500	0	0	213	0	3,287	0	0	0	0	0
0		32 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-20	01/01/2018	12/31/2024	-299	0	0	0	0	-299	0	0	0	0	0
0		33 CHEMICAL & RESIDUALS MANAGEMENT CONST-2018 SC	01/01/2018	12/31/2022	-750	0	0	-46	0	-704	0	0	0	0	0
		Project Sub-total:			4,080	0	0	167	0	3,913	0	0	0	0	0
0	WAT906481	DISTRICT WATERMAINS - NEW													
0		1 NEW WM	01/01/2005	12/31/2018	500	0	0	500	0	0	0	0	0	0	0
0		16 NEW WM -2018 SC	01/01/2018	12/31/2020	-490	0	0	-490	0	0	0	0	0	0	0
		Project Sub-total:			10	0	0	10	0	0	0	0	0	0	0
0	WAT906483	PW ENGINEERING													
0		2 CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	01/01/2005	12/31/2020	3,657	0	0	0	0	3,657	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing					2018	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
0	<u>WAT906483</u>	<u>PW ENGINEERING</u>													
0		5 WATERMAIN ASSET PLANNING	01/01/2007	12/31/2023	2,110	0	0	528	0	747	0	0	835	0	0
0		7 EASEMENT ACQUISITION	01/01/2007	12/31/2018	700	0	0	0	0	700	0	0	0	0	0
0		22 WATER LOSS REDUCTION STRATEGY	01/01/2012	12/31/2021	866	0	0	0	0	866	0	0	0	0	0
0		37 ASSET MGMT SYSTEM IMPLEMENTATION	01/01/2016	12/31/2025	1,472	0	0	368	0	1,104	0	0	0	0	0
0		52 JOS UPDATE PHASE II	01/01/2015	12/31/2019	597	0	0	299	0	0	0	0	298	0	0
0		70 CAPITAL PROG & FACILITY ASSET PLANNING-2018 SC	01/01/2018	12/31/2020	-2,197	0	0	0	0	-2,197	0	0	0	0	0
0		71 WATERMAIN ASSET PLANNING-2018 SC	01/01/2018	12/31/2024	-835	0	0	-209	0	-296	0	0	-330	0	0
0		72 EASEMENT ACQUISITION-2018 SC	01/01/2018	12/31/2019	-10	0	0	0	0	-10	0	0	0	0	0
0		73 WATER LOSS REDUCTION STRATEGY-2018 SC	01/01/2018	12/31/2023	-399	0	0	0	0	-399	0	0	0	0	0
0		74 JOS UPDATE PHASE II-2018 SC	01/01/2018	12/31/2019	-297	0	0	-149	0	0	0	0	-148	0	0
0		75 ASSET MGMT SYSTEM IMPLEMENTATION - 2018 SC	01/01/2018	12/31/2019	-172	0	0	-43	0	-129	0	0	0	0	0
		Project Sub-total:			5,492	0	0	794	0	4,043	0	0	655	0	0
0	<u>WAT906749</u>	<u>DOWNTOWN W/M ENHANCEMENT</u>													
0		1 JOS - GERRARD ST WM - ENGINEERING	01/01/2006	12/31/2018	10	0	0	2	0	0	0	0	8	0	0
0		47 JOS - GERRARD ST WM - ENGINEERING - 2018 SC	01/01/2018	12/31/2018	-4	0	0	-1	0	0	0	0	-3	0	0
		Project Sub-total:			6	0	0	1	0	0	0	0	5	0	0
0	<u>WAT906752</u>	<u>TRANSMISSION R&R</u>													
0		49 TRUNK WATERMAIN REHAB	01/01/2013	12/31/2020	273	0	0	0	0	273	0	0	0	0	0
0		51 CAST IRON TRUNK REPLC - PHASE 2	01/01/2013	12/31/2020	1,276	0	0	0	0	1,276	0	0	0	0	0
0		52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014	12/31/2020	1,742	0	0	0	0	1,742	0	0	0	0	0
0		58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	01/01/2016	12/31/2019	6,110	0	0	0	0	6,110	0	0	0	0	0
0		78 TRUNK WATERMAIN REHAB-2018 SC	01/01/2018	12/31/2022	81	0	0	0	0	81	0	0	0	0	0
0		79 CAST IRON TRUNK REPLC - PHASE 3 - ENG-2018 SC	01/01/2018	12/31/2020	-703	0	0	0	0	-703	0	0	0	0	0
0		80 CAST IRON TRUNK REPLC - PHASE 3 - CONSTR - 2018 SC	01/01/2018	12/31/2019	-169	0	0	0	0	-169	0	0	0	0	0
0		81 CAST IRON TRUNK REPLC - PHASE 2 - 2018 SC	01/01/2018	12/31/2020	-358	0	0	0	0	-358	0	0	0	0	0
		Project Sub-total:			8,252	0	0	0	0	8,252	0	0	0	0	0
0	<u>WAT906900</u>	<u>TRANSMISSION R&R</u>													
0		1 TRANS FACILITIES REHAB	01/01/2006	12/31/2018	750	0	0	0	0	750	0	0	0	0	0
0		36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECT	01/01/2014	12/31/2021	8,666	0	0	0	0	8,666	0	0	0	0	0
0		48 ROSEHILL RESERVOIR	01/01/2015	12/31/2023	12,018	0	0	0	0	12,018	0	0	0	0	0
0		49 DOWNSVIEW PS & CONNECTOR EA	01/01/2015	12/31/2018	293	0	0	5	0	288	0	0	0	0	0
0		50 PARKDALE PS REHABILITATION	01/01/2015	12/31/2021	4,354	0	0	0	0	4,354	0	0	0	0	0
0		51 ROSEHILL PS REHAB	01/01/2015	12/31/2021	3,455	0	0	0	0	3,455	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing				2018	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
0	WAT906900	TRANSMISSION R&R													
0		67 PUMP REPLACEMENTS	01/01/2016	12/31/2019	1,687	0	0	0	0	1,687	0	0	0	0	0
0		72 RESERVOIR REHAB - PHASE 2 - ENG	01/01/2016	12/31/2026	330	0	0	0	0	330	0	0	0	0	0
0		74 PS REHAB - PHASE 2 - ENG	01/01/2016	12/31/2026	680	0	0	0	0	680	0	0	0	0	0
0		84 ST CLAIR RES REHAB/WATER QUALITY PROTECTION-201	01/01/2018	12/31/2020	-866	0	0	0	0	-866	0	0	0	0	0
0		85 ROSEHILL RESERVOIR-2018 SC	01/01/2018	12/31/2021	-7,643	0	0	0	0	-7,643	0	0	0	0	0
0		86 DOWNSVIEW PS & CONNECTOR EA-2018 SC	01/01/2018	12/31/2019	-143	0	0	52	0	-195	0	0	0	0	0
0		87 PARKDALE PS REHABILITATION-2018 SC	01/01/2018	12/31/2020	-33	0	0	0	0	-33	0	0	0	0	0
0		88 PUMP REPLACEMENTS-2018 SC	01/01/2018	12/31/2019	163	0	0	0	0	163	0	0	0	0	0
0		89 RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	01/01/2018	12/31/2026	20	0	0	0	0	20	0	0	0	0	0
0		90 PS REHAB - PHASE 2 - ENG-2018 SC	01/01/2018	12/31/2026	65	0	0	0	0	65	0	0	0	0	0
0		94 PS REHAB - PHASE 2 - CONSTRUCTION	01/01/2018	12/31/2021	50	0	0	0	0	50	0	0	0	0	0
0		95 ROSEHILL PS REHAB - 2018 SC	01/01/2018	12/31/2021	-565	0	0	0	0	-565	0	0	0	0	0
		Project Sub-total:			23,281	0	0	57	0	23,224	0	0	0	0	0
0	WAT906902	HARRIS W.T.P. R&R													
0		3 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2018	534	0	0	0	0	534	0	0	0	0	0
0		21 HVAC REHAB CONSTRUCTION	01/01/2010	12/31/2019	5,445	0	0	0	0	5,445	0	0	0	0	0
0		29 HARRIS FILTERS REHABILITATION - PILOT	01/01/2015	12/31/2019	3,948	0	0	0	0	3,948	0	0	0	0	0
0		56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014	12/31/2021	8,315	0	0	0	0	8,315	0	0	0	0	0
0		79 EXTERIOR SECURITY LIGHTING UPGRADES	01/01/2015	12/31/2020	100	0	0	0	0	100	0	0	0	0	0
0		81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015	12/31/2020	4,652	0	0	0	0	4,652	0	0	0	0	0
0		98 HERITAGE MASONRY AND ARCHITECTURAL RESTORATIO	01/01/2016	12/31/2022	200	0	0	0	0	200	0	0	0	0	0
0		99 CONTROL ROOM RELOCATION	01/01/2016	12/31/2018	525	0	0	0	0	525	0	0	0	0	0
0		100 EMERGENCY STANDBY POWER	01/01/2016	12/31/2019	1,370	0	0	0	0	1,370	0	0	0	0	0
0		102 PHONE SYSTEM UPGRADE	01/01/2016	12/31/2019	70	0	0	0	0	70	0	0	0	0	0
0		106 BUILDING ENVELOPE REHAB	01/01/2016	12/31/2018	10	0	0	0	0	10	0	0	0	0	0
0		112 TRAVELLING SCREENS 3 & 5 UPGRADE	01/01/2017	12/31/2019	300	0	0	0	0	300	0	0	0	0	0
0		119 ENERGY OPTIMIZATION	01/01/2018	12/31/2020	50	0	0	0	0	50	0	0	0	0	0
0		121 FACILITY & PROCESS UPGRADES-2018 SC	01/01/2018	12/31/2022	-34	0	0	0	0	-34	0	0	0	0	0
0		122 HVAC REHAB CONSTRUCTION-2018 SC	01/01/2018	12/31/2020	-4,300	0	0	0	0	-4,300	0	0	0	0	0
0		123 HARRIS FILTERS REHABILITATION - PILOT-2018 SC	01/01/2018	12/31/2021	-1,727	0	0	0	0	-1,727	0	0	0	0	0
0		124 LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2018 SC	01/01/2018	12/31/2019	-2,943	0	0	0	0	-2,943	0	0	0	0	0
0		126 CONTROL ROOM RELOCATION-2018 SC	01/01/2018	12/31/2020	-115	0	0	0	0	-115	0	0	0	0	0
0		127 EMERGENCY STANDBY POWER-2018 SC	01/01/2018	12/31/2020	355	0	0	0	0	355	0	0	0	0	0
0		128 REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2018	01/01/2018	12/31/2019	-3,010	0	0	0	0	-3,010	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing				2018	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
0	WAT906918	WATER SUSTAINABILITY PROGRAM													
0		1 WATER SUSTAINABILITY PROGRAM	01/01/2013	12/31/2020	8,675	0	0	528	0	5,536	0	0	2,611	0	0
0		12 STANDBY POWER - ROSEHILL	01/01/2015	12/31/2022	6,116	0	0	367	0	3,914	0	0	1,835	0	0
0		21 STANDBY POWER - ROSEHILL-2018 SC	01/01/2018	12/31/2021	-978	0	0	-59	0	-625	0	0	-294	0	0
0		22 WATER SUSTAINABILITY STANDBY POWER ELLESMERE201	01/01/2018	12/31/2020	-2,948	0	0	-180	0	-1,881	0	0	-887	0	0
Project Sub-total:					10,865	0	0	656	0	6,944	0	0	3,265	0	0
0	WAT906919	RL CLARK W.T.P. R&R													
0		1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2018	200	0	0	0	0	200	0	0	0	0	0
0		8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/2008	12/31/2022	610	0	0	37	0	573	0	0	0	0	0
0		15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/2010	12/31/2020	9,955	0	0	605	0	9,350	0	0	0	0	0
0		44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/2013	12/31/2019	257	0	0	0	0	257	0	0	0	0	0
0		73 PROCESS EQUIPMENT UPGRADE ENGINEERING-2018 SC01	01/2018	12/31/2020	-220	0	0	-13	0	-207	0	0	0	0	0
0		74 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2018 SC	01/01/2018	12/31/2020	-1,920	0	0	-117	0	-1,803	0	0	0	0	0
0		75 EVACUATION AND COMMUNICATION SYSTEMS-2018 SC	01/01/2018	12/31/2019	-232	0	0	0	0	-232	0	0	0	0	0
Project Sub-total:					8,650	0	0	512	0	8,138	0	0	0	0	0
0	WAT906930	DIST W/M REPLACEMENT													
0		21 2011 WM REPLC	01/01/2011	12/31/2018	4	0	0	0	0	4	0	0	0	0	0
0		29 DIST W/M REPLC - 2012	01/01/2011	12/31/2018	69	0	0	0	0	69	0	0	0	0	0
0		51 DIST W/M REPLACEMENT - 2014	01/01/2014	12/31/2018	275	0	0	43	0	232	0	0	0	0	0
0		55 WATERMAIN REPLACEMENT - METROLINX	01/01/2014	12/31/2021	545	0	0	0	0	545	0	0	0	0	0
0		59 2013 WM REPLC - UPGRADES	01/01/2015	12/31/2018	106	0	0	33	0	73	0	0	0	0	0
0		63 DIST W/M REPLACEMENT - 2015	01/01/2015	12/31/2018	4,075	0	0	633	0	3,442	0	0	0	0	0
0		64 WATERMAIN UPGRADES - 2015	01/01/2015	12/31/2018	6	0	0	2	0	4	0	0	0	0	0
0		73 DIST W/M REPLACEMENT - 2016	01/01/2016	12/31/2019	5,163	0	0	803	0	4,360	0	0	0	0	0
0		74 WATERMAIN UPGRADES - 2016	01/01/2016	12/31/2018	2,863	0	0	891	0	1,972	0	0	0	0	0
0		83 DIST W/M REPLACEMENT - 2017	01/01/2016	12/31/2019	27,294	0	0	4,244	0	23,050	0	0	0	0	0
0		84 WATERMAIN UPGRADES - 2017	01/01/2016	12/31/2019	4,808	0	0	1,495	0	3,313	0	0	0	0	0
0		85 DIST W/M REPLACEMENT - 2018	01/01/2018	12/31/2021	37,555	0	0	5,840	0	31,715	0	0	0	0	0
0		86 WATERMAIN UPGRADES - 2018	01/01/2018	12/31/2020	10,349	0	0	3,220	0	7,129	0	0	0	0	0
0		98 DIST W/M REPLC - 2012-2018 SC	01/01/2018	12/31/2019	-48	0	0	0	0	-48	0	0	0	0	0
0		100 2013 WM REPLC - UPGRADES-2018 SC	01/01/2018	12/31/2019	-101	0	0	-31	0	-70	0	0	0	0	0
0		101 DIST W/M REPLACEMENT - 2014-2018 SC	01/01/2018	12/31/2019	-255	0	0	-40	0	-215	0	0	0	0	0
0		102 WATERMAIN UPGRADES - 2014-2018 SC	01/01/2018	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
0		103 WATERMAIN REPLACEMENT - METROLINX-2018 SC	01/01/2018	12/31/2021	-351	0	0	0	0	-351	0	0	0	0	0
0		104 DIST W/M REPLACEMENT - 2015-2018 SC	01/01/2018	12/31/2019	-2,677	0	0	-416	0	-2,261	0	0	0	0	0

(Phase 2) 10-Water Program

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

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



CITY OF TORONTO

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Water Program
Sub-Project Summary

Project/Financing					2018	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	
0	WAT906930	DIST W/M REPLACEMENT														
0	106	DIST W/M REPLACEMENT - 2016-2018 SC			01/01/2018 12/31/2019	-4,286	0	0	-667	0	-3,619	0	0	0	0	0
0	107	WATERMAIN UPGRADES - 2016-2018 SC			01/01/2018 12/31/2019	-2,458	0	0	-765	0	-1,693	0	0	0	0	0
0	108	DIST W/M REPLACEMENT - 2017-2018 SC			01/01/2018 12/31/2020	-15,598	0	0	-2,425	0	-13,173	0	0	0	0	0
0	109	WATERMAIN UPGRADES - 2017-2018 SC			01/01/2018 12/31/2019	-2,952	0	0	-918	0	-2,034	0	0	0	0	0
Project Sub-total:					64,387	0	0	11,942	0	52,445	0	0	0	0	0	0
0	WAT906932	DIST W/M REHABILITATION														
0	4	HYDRANT & VALVE REPAIR			01/01/2007 12/31/2018	2,516	0	0	0	0	2,516	0	0	0	0	0
0	6	WATERMAIN STRUCTURAL LINING			01/01/2007 12/31/2024	54,868	0	0	0	0	54,868	0	0	0	0	0
0	7	CATHODIC PROTECTION			01/01/2007 12/31/2018	3,033	0	0	0	0	3,033	0	0	0	0	0
0	30	CUT REPAIR			01/01/2007 12/31/2018	3,300	0	0	0	0	3,300	0	0	0	0	0
0	55	HYDRANT & VALVE REPAIR-2018 SC			01/01/2018 12/31/2019	-1,536	0	0	0	0	-1,536	0	0	0	0	0
0	56	CUT REPAIR-2018 SC			01/01/2018 12/31/2019	249	0	0	0	0	249	0	0	0	0	0
0	57	WATERMAIN STRUCTURAL LINING-2018 SC			01/01/2018 12/31/2024	17,588	0	0	0	0	17,588	0	0	0	0	0
0	58	CATHODIC PROTECTION-2018 SC			01/01/2018 12/31/2020	336	0	0	0	0	336	0	0	0	0	0
0	59	PRV INSPECTION & RENEWAL			01/01/2018 12/31/2020	110	0	0	0	0	110	0	0	0	0	0
0	60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX			01/01/2018 12/31/2021	75	0	0	0	0	75	0	0	0	0	0
Project Sub-total:					80,539	0	0	0	0	80,539	0	0	0	0	0	0
0	WAT906934	DIST WATER SERVICE REPAIR														
0	12	WATER SERVICE REPAIR - LEAD PROGRAM			01/01/2008 12/31/2020	11,541	0	0	0	0	11,541	0	0	0	0	0
0	19	2010 WSR			01/01/2015 12/31/2018	215	0	0	0	0	215	0	0	0	0	0
0	32	WSR CUT REPAIR			01/01/2012 12/31/2018	1,500	0	0	0	0	1,500	0	0	0	0	0
0	39	2012 WATER SERVICE REPLC - SOGR			01/01/2012 12/31/2018	4	0	0	0	0	4	0	0	0	0	0
0	41	2013 WSR			01/01/2013 12/31/2018	111	0	0	0	0	111	0	0	0	0	0
0	52	2014 WATER SERVICE REPLACEMENT - SOGR			01/01/2014 12/31/2018	273	0	0	0	0	273	0	0	0	0	0
0	59	2015 WATER SERVICE REPLACEMENT - SOGR			01/01/2015 12/31/2018	1,014	0	0	0	0	1,014	0	0	0	0	0
0	68	2016 WATER SERVICE REPLACEMENT - SOGR			01/01/2016 12/31/2018	5,783	0	0	0	0	5,783	0	0	0	0	0
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM			01/01/2016 12/31/2020	7,500	0	0	0	0	7,500	0	0	0	0	0
0	74	REPLACEMENT OF FROZEN SERVICES			01/01/2016 12/31/2018	22	0	0	0	0	22	0	0	0	0	0
0	75	WSR CUT REPAIRS WITH WM SL			01/01/2016 12/31/2018	1,500	0	0	0	0	1,500	0	0	0	0	0
0	78	2011 WSR			01/01/2016 12/31/2018	15	0	0	0	0	15	0	0	0	0	0
0	84	2017 WATER SERVICE REPLACEMENT - SOGR			01/01/2016 12/31/2019	11,167	0	0	0	0	11,167	0	0	0	0	0
0	85	2018 WATER SERVICE REPLACEMENT - SOGR			01/01/2018 12/31/2020	7,000	0	0	0	0	7,000	0	0	0	0	0
0	93	WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC			01/01/2018 12/31/2021	-1,159	0	0	0	0	-1,159	0	0	0	0	0
0	94	2010 WSR-2018 SC			01/01/2018 12/31/2018	-215	0	0	0	0	-215	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing					2018	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
0	<u>WAT906934</u>	<u>DIST WATER SERVICE REPAIR</u>													
0		97 WSR CUT REPAIR-2018 SC	01/01/2018	12/31/2019	113	0	0	0	0	113	0	0	0	0	0
0		98 2013 WSR-2018 SC	01/01/2018	12/31/2019	-100	0	0	0	0	-100	0	0	0	0	0
0		99 2014 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/2018	12/31/2019	-260	0	0	0	0	-260	0	0	0	0	0
0		100 2015 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/2018	12/31/2019	-478	0	0	0	0	-478	0	0	0	0	0
0		101 2016 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/2018	12/31/2019	-4,954	0	0	0	0	-4,954	0	0	0	0	0
0		102 WATER SERVICE REPAIR - WM REHAB PROGRAM-2018 SC	01/01/2018	12/31/2021	8,178	0	0	0	0	8,178	0	0	0	0	0
0		103 WSR CUT REPAIRS WITH WM SL-2018 SC	01/01/2018	12/31/2019	113	0	0	0	0	113	0	0	0	0	0
0		104 2017 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/2018	12/31/2019	-1,811	0	0	0	0	-1,811	0	0	0	0	0
0		106 REPLACEMENT OF FROZEN SERVICES	01/01/2016	12/31/2019	1,000	0	0	0	0	1,000	0	0	0	0	0
0		107 REPLACEMENT OF FROZEN SERVICES - 2018 SC	01/01/2018	12/31/2019	-1,000	0	0	0	0	-1,000	0	0	0	0	0
Project Sub-total:					47,072	0	0	0	0	47,072	0	0	0	0	0
0	<u>WAT906935</u>	<u>NEW SERVICE CONNECTIONS</u>													
0		2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2008	12/31/2018	5,200	0	0	0	0	5,200	0	0	0	0	0
0		7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/2010	12/31/2018	30,000	0	0	0	0	30,000	0	0	0	0	0
0		24 NEW SERVICE CONNECTIONS - SITE SERVICING-2018 SC	01/01/2018	12/31/2019	-552	0	0	0	0	-552	0	0	0	0	0
0		25 NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	01/01/2018	12/31/2019	177	0	0	0	0	177	0	0	0	0	0
Project Sub-total:					34,825	0	0	0	0	34,825	0	0	0	0	0
0	<u>WAT906951</u>	<u>ENGINEERING</u>													
0		2 CONSULTING FEES	01/01/2006	12/31/2026	11,709	0	0	0	0	11,709	0	0	0	0	0
0		63 ROAD RESTORATION	01/01/2006	12/31/2018	2,000	0	0	0	0	2,000	0	0	0	0	0
0		69 LEGAL SERVICES SALARIES	01/01/2018	12/31/2018	414	0	0	0	0	414	0	0	0	0	0
0		70 ECS SALARIES	01/01/2018	12/31/2018	14,592	0	0	0	0	14,592	0	0	0	0	0
0		71 PPFA SALARIES	01/01/2018	12/31/2018	2,416	0	0	0	0	2,416	0	0	0	0	0
0		74 PMMD SALARIES	01/01/2018	12/31/2018	310	0	0	0	0	310	0	0	0	0	0
0		75 ROAD RESTORATION-2018 SC	01/01/2018	12/31/2020	669	0	0	0	0	669	0	0	0	0	0
0		76 CONSULTING FEES-2018 SC	01/01/2018	12/31/2026	6,982	0	0	0	0	6,982	0	0	0	0	0
0		77 TW SALARIES	01/01/2018	12/31/2018	1,930	0	0	0	0	1,930	0	0	0	0	0
Project Sub-total:					41,022	0	0	0	0	41,022	0	0	0	0	0
0	<u>WAT906977</u>	<u>ISLAND W.T.P. R&R</u>													
0		1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2018	458	0	0	0	0	458	0	0	0	0	0
0		12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011	12/31/2019	3,916	0	0	0	0	3,916	0	0	0	0	0
0		25 ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009	12/31/2018	56	0	0	3	0	53	0	0	0	0	0
0		32 TRAVELLING SCREEN REPLACEMENT	01/01/2015	12/31/2020	205	0	0	0	0	205	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing				2018	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
0	<u>WAT906977 ISLAND W.T.P. R&R</u>														
0	50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/2014	12/31/2020	3,559	0	0	0	0	3,559	0	0	0	0	0
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	01/01/2014	12/31/2018	34	0	0	0	0	34	0	0	0	0	0
0	69	Generators` DR3 Program	01/01/2015	12/31/2020	80	0	0	0	0	80	0	0	0	0	0
0	70	PLANTWIDE HVAC UPGRADES	01/01/2015	12/31/2020	1,668	0	0	0	0	1,668	0	0	0	0	0
0	83	RAW WATER INTAKE CLEANING	01/01/2016	12/31/2018	1,228	0	0	0	0	1,228	0	0	0	0	0
0	101	FACILITY & PROCESS UPGRADES-2018 SC	01/01/2018	12/31/2022	-76	0	0	0	0	-76	0	0	0	0	0
0	102	ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	01/01/2018	12/31/2018	-56	0	0	-3	0	-53	0	0	0	0	0
0	103	FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	01/01/2018	12/31/2020	241	0	0	0	0	241	0	0	0	0	0
0	104	AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	01/01/2018	12/31/2021	-2,103	0	0	0	0	-2,103	0	0	0	0	0
0	105	TRAVELLING SCREEN REPLACEMENT-2018 SC	01/01/2018	12/31/2020	-100	0	0	0	0	-100	0	0	0	0	0
0	106	PLANTWIDE HVAC UPGRADES-2018 SC	01/01/2018	12/31/2020	-138	0	0	0	0	-138	0	0	0	0	0
0	107	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTR - 2018 SC	01/01/2018	12/31/2018	-4	0	0	0	0	-4	0	0	0	0	0
0	108	RAW WATER INTAKE CLEANING - 2018 SC	01/01/2018	12/31/2019	1,272	0	0	0	0	1,272	0	0	0	0	0
0	109	Generators` DR3 Program - 2018 SC	01/01/2018	12/31/2022	-80	0	0	0	0	-80	0	0	0	0	0
Project Sub-total:					10,160	0	0	0	0	10,160	0	0	0	0	0
0	<u>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</u>														
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/2013	12/31/2020	8,682	0	0	8,682	0	0	0	0	0	0	0
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/2013	12/31/2019	3,842	0	0	3,842	0	0	0	0	0	0	0
0	11	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018 SC	01/01/2018	12/31/2022	-4,762	0	0	-4,762	0	0	0	0	0	0	0
0	12	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-2018 SC	01/01/2018	12/31/2021	-3,842	0	0	-3,842	0	0	0	0	0	0	0
Project Sub-total:					3,920	0	0	3,920	0	0	0	0	0	0	0
0	<u>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</u>														
0	14	REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	01/01/2016	12/31/2024	2,499	0	0	2,499	0	0	0	0	0	0	0
0	15	REGENT PARK CAPITAL CONTRIBUTION - PH3-5 - 2018 SC	01/01/2018	12/31/2023	-1,715	0	0	-1,715	0	0	0	0	0	0	0
Project Sub-total:					784	0	0	784	0	0	0	0	0	0	0
0	<u>WAT907946 BUSINESS IT PROJECTS</u>														
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014	12/31/2023	1,580	0	0	0	0	1,580	0	0	0	0	0
Project Sub-total:					1,580	0	0	0	0	1,580	0	0	0	0	0
0	<u>WAT908087 TRUNK WATERMAIN</u>														
0	1	TRANSMISSION SYSTEM AUTOMATION	01/01/2015	12/31/2022	392	0	0	0	0	392	0	0	0	0	0
0	4	JOS - REVENUE METER REPLACEMENT	01/01/2016	12/31/2020	4,950	0	0	0	0	2,475	0	0	2,475	0	0
0	6	3RD PARTY RELOCATIONS (METROLINX)	01/01/2015	12/31/2021	250	0	0	0	0	250	0	0	0	0	0
0	13	TRANSMISSION SYSTEM AUTOMATION-2018 SC	01/01/2018	12/31/2020	283	0	0	0	0	283	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: 2018 Recommended Capital Budget with Financing Detail

Water Program
Sub-Project Summary

Project/Financing					2018	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
0	<u>WAT908087</u>	<u>TRUNK WATERMAIN</u>													
0	14	3RD PARTY RELOCATIONS (METROLINX) - 2018 SC	01/01/2018	12/31/2021	-200	0	0	0	0	-200	0	0	0	0	0
0	15	JOS - REVENUE METER REPLACEMENT - 2018 SC	01/01/2018	12/31/2020	-1,609	0	0	0	0	-805	0	0	-804	0	0
		Project Sub-total:			4,066	0	0	0	0	2,395	0	0	1,671	0	0
0	<u>WAT908248</u>	<u>WT&S PLANTWIDE</u>													
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	01/01/2016	12/31/2018	10	0	0	0	0	10	0	0	0	0	0
0	4	ZEBRA MUSSEL CONTROL - ENG	01/01/2016	12/31/2022	800	0	0	0	0	800	0	0	0	0	0
0	6	STANDBY POWER - PHASE 2 - ENG	01/01/2016	12/31/2026	1,282	0	0	77	0	820	0	0	385	0	0
0	10	UV DISINFECTION - ISLAND WTP - ENGINEERING	01/01/2016	12/31/2024	1,438	0	0	0	0	1,438	0	0	0	0	0
0	12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	01/01/2016	12/31/2021	995	0	0	60	0	636	0	0	299	0	0
0	14	ZEBRA MUSSEL CONTROL - ENG-2018 SC	01/01/2018	12/31/2024	-184	0	0	0	0	-184	0	0	0	0	0
0	15	STANDBY POWER - PHASE 2 - ENG-2018 SC	01/01/2018	12/31/2026	-1,007	0	0	-60	0	-645	0	0	-302	0	0
0	16	UV DISINFECTION - ISLAND WTP - ENGINEERING-2018 SC	01/01/2018	12/31/2024	-653	0	0	0	0	-653	0	0	0	0	0
0	17	SCRUBBER&TONNER CONNECTION IMPRO AT WTP-2018	01/01/2018	12/31/2023	-395	0	0	-24	0	-252	0	0	-119	0	0
0	18	SOURCE WATER PROTECTION-LAKE ONTARIO COLLABO	01/01/2018	12/31/2020	70	0	0	0	0	70	0	0	0	0	0
		Project Sub-total:			2,356	0	0	53	0	2,040	0	0	263	0	0
Program Total:					387,293	0	0	22,585	0	357,151	0	0	7,557	0	0

Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing

Priority Project Project Name

Project/Financing					2018	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
0	WAS000007	ASHBRIDGES BAY WWTP REHAB													
0	17	STANDBY POWER GENERATION	01/01/2005	12/31/2018	18	0	0	1	0	17	0	0	0	0	0
0	19	FERROUS UPGRADES	01/01/2013	12/31/2019	11,521	0	0	928	0	10,593	0	0	0	0	0
0	30	ELECTRICAL REHAB - ECAP	01/01/2005	12/31/2019	3,428	0	0	0	0	3,428	0	0	0	0	0
0	41	POLYMER UPGRADE	01/01/2014	12/31/2023	6,632	0	0	0	0	6,632	0	0	0	0	0
0	46	REHAB OF GROUNDS & BUILDINGS	01/01/2010	12/31/2018	472	0	0	0	0	472	0	0	0	0	0
0	47 P	BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2005	12/31/2021	1,876	0	0	151	0	1,725	0	0	0	0	0
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERIN	01/01/2005	12/31/2018	153	0	0	12	0	141	0	0	0	0	0
0	189	PROCESS AND EQUIPMENT	01/01/2013	12/31/2020	1,682	0	0	0	0	1,682	0	0	0	0	0
0	190	GROUND AND FACILITIES	01/01/2013	12/31/2020	440	0	0	0	0	440	0	0	0	0	0
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014	12/31/2023	3,854	0	0	0	0	3,854	0	0	0	0	0
0	216	OPERATIONS CENTRE - ENGINEERING	01/01/2016	12/31/2018	920	0	0	0	0	920	0	0	0	0	0
0	226	ABTP - PROCESS ROADMAP PHASE 2	01/01/2015	12/31/2020	680	0	0	0	0	680	0	0	0	0	0
0	227	AIR HEADER REHAB	01/01/2015	12/31/2018	3,393	0	0	0	0	3,393	0	0	0	0	0
0	229 D	BUILDING PHASE 2	01/01/2015	12/31/2024	1,010	0	0	0	0	1,010	0	0	0	0	0
0	246	NEW FLEET PURCHASES	01/01/2016	12/31/2018	25	0	0	0	0	25	0	0	0	0	0
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	01/01/2016	12/31/2018	470	0	0	0	0	470	0	0	0	0	0
0	264	HVAC CONVERSION Z-BLDG	01/01/2016	12/31/2019	1,500	0	0	0	0	1,500	0	0	0	0	0
0	285	BLOWER 7-9 OVERHAUL	01/01/2016	12/31/2018	1,300	0	0	0	0	1,300	0	0	0	0	0
0	287	POLYMER UPGRADE-2018 SC	01/01/2018	12/31/2023	-6,282	0	0	0	0	-6,282	0	0	0	0	0
0	288	DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	01/01/2018	12/31/2022	-165	0	0	0	0	-165	0	0	0	0	0
0	289 P	BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2018 SC	01/01/2018	12/31/2020	794	0	0	64	0	730	0	0	0	0	0
0	290	PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	01/01/2018	12/31/2019	-55	0	0	-4	0	-51	0	0	0	0	0
0	291	FERROUS UPGRADES-2018 SC	01/01/2018	12/31/2020	1,147	0	0	92	0	1,055	0	0	0	0	0
0	292	BLOWER STUDY	01/01/2018	12/31/2019	200	0	0	0	0	200	0	0	0	0	0
0	293	HEATING AND AIR SYSTEMS ASSESSMENT - 2018 SC	01/01/2018	12/31/2018	-350	0	0	0	0	-350	0	0	0	0	0
0	294	OPERATIONS CENTRE - ENGINEERING - 2018 SC	01/01/2018	12/31/2019	-220	0	0	0	0	-220	0	0	0	0	0
0	295	ABTP - PROCESS ROADMAP PHASE 2 - 2018 SC	01/01/2018	12/31/2020	320	0	0	0	0	320	0	0	0	0	0
0	296	REHAB OF GROUNDS & BUILDINGS - 2018 SC	01/01/2018	12/31/2018	-442	0	0	0	0	-442	0	0	0	0	0
0	297	STANDBY POWER GENERATION - 2018 SC	01/01/2018	12/31/2018	-18	0	0	-1	0	-17	0	0	0	0	0
0	298	ELECTRICAL REHAB - ECAP - 2018 SC	01/01/2018	12/31/2020	-2,864	0	0	0	0	-2,864	0	0	0	0	0
0	299	HVAC CONVERSION Z-BLDG - 2018 SC	01/01/2018	12/31/2019	500	0	0	0	0	500	0	0	0	0	0
0	300	PROCESS AND EQUIPMENT - 2018 SC	01/01/2018	12/31/2022	78	0	0	0	0	78	0	0	0	0	0
0	301	GROUND AND FACILITIES - 2018 SC	01/01/2018	12/31/2022	160	0	0	0	0	160	0	0	0	0	0
0	303	BLOWER 7-9 OVERHAUL - 2018 SC	01/01/2018	12/31/2018	-500	0	0	0	0	-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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing			Start Date	Completion Date	2018	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>WAS000007</u>	<u>ASHBRIDGES BAY WWTP REHAB</u>													
0		304 D BUILDING PHASE 2 - 2018 SC	01/01/2018	12/31/2024	72	0	0	0	0	72	0	0	0	0	0
0		305 AIR HEADER REHAB - 2018 SC	01/01/2018	12/31/2019	-238	0	0	0	0	-238	0	0	0	0	0
		Project Sub-total:			31,511	0	0	1,243	0	30,268	0	0	0	0	0
0	<u>WAS000115</u>	<u>HUMBER T.P.</u>													
0		9 CO-GENERATION	01/01/2005	12/31/2018	269	0	0	0	0	269	0	0	0	0	0
0		63 CO-GENERATION - 2018 SC	01/01/2018	12/31/2018	-10	0	0	0	0	-10	0	0	0	0	0
		Project Sub-total:			259	0	0	0	0	259	0	0	0	0	0
0	<u>WAS000259</u>	<u>TRUNK SEWER SYSTEM</u>													
0		15 TRUNK SEWER REHABILITATION - 2012	01/01/2012	12/31/2021	2,489	0	0	0	0	2,489	0	0	0	0	0
0		27 TRUNK SEWER REHABILITATION - 2014	01/01/2014	12/31/2021	29,722	0	0	0	0	29,722	0	0	0	0	0
0		34 BLACK CREEK STS EA	01/01/2008	12/31/2018	593	0	0	0	0	593	0	0	0	0	0
0		47 TRUNK SEWER REHABILITATION - 2016	01/01/2016	12/31/2021	22,346	0	0	0	0	22,346	0	0	0	0	0
0		53 TRUNK SEWER REHABILITATION - 2018	01/01/2016	12/31/2026	3,136	0	0	0	0	3,136	0	0	0	0	0
0		56 TRUNK SEWER REHABILITATION - 2012-2018 SC	01/01/2018	12/31/2021	-811	0	0	0	0	-811	0	0	0	0	0
0		57 TRUNK SEWER REHABILITATION - 2014-2018 SC	01/01/2018	12/31/2022	-10,059	0	0	0	0	-10,059	0	0	0	0	0
0		58 TRUNK SEWER REHABILITATION - 2016-2018 SC	01/01/2018	12/31/2022	981	0	0	0	0	981	0	0	0	0	0
0		59 TRUNK SEWER REHABILITATION - 2018-2018 SC	01/01/2018	12/31/2026	-494	0	0	0	0	-494	0	0	0	0	0
0		60 BLACK CREEK STS EA-2018 SC	01/01/2018	12/31/2019	-47	0	0	0	0	-47	0	0	0	0	0
0		61 TRUNK SEWER REHABILITATION - 2018 SC	01/01/2018	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
		Project Sub-total:			47,857	0	0	0	0	47,857	0	0	0	0	0
0	<u>WAS000442</u>	<u>BASEMENT FLOODING RELIEF</u>													
0		1 BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	01/01/2005	12/31/2019	4,600	0	0	0	0	4,600	0	0	0	0	0
0		8 BASEMENT FLOODING STUDIES & EAS	01/01/2006	12/31/2021	1,330	0	0	0	0	1,330	0	0	0	0	0
0		9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2013	12/31/2026	3,455	0	0	0	0	3,455	0	0	0	0	0
0		14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008	12/31/2019	272	0	0	0	0	272	0	0	0	0	0
0		18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011	12/31/2020	1,959	0	0	0	0	1,959	0	0	0	0	0
0		19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/2014	12/31/2021	11,241	0	0	0	0	11,241	0	0	0	0	0
0		20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014	12/31/2020	2,881	0	0	0	0	2,881	0	0	0	0	0
0		29 BASEMENT FLOODING RELIEF - GROUP 1	01/01/2010	12/31/2019	2,558	0	0	0	0	2,558	0	0	0	0	0
0		76 BASEMENT FLOODING FLOW MONITORING	01/01/2016	12/31/2020	926	0	0	0	0	926	0	0	0	0	0
0		77 BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	01/01/2015	12/31/2025	21,536	0	0	0	0	21,536	0	0	0	0	0
0		81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	01/01/2014	12/31/2023	4,501	0	0	0	0	4,501	0	0	0	0	0
0		89 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	01/01/2016	12/31/2025	45,007	0	0	0	0	45,007	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

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CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing			Start Date	Completion Date	2018	Financing								
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
0	<u>WAS000442</u>	<u>BASEMENT FLOODING RELIEF</u>												
0		107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTIO	01/01/2016	12/31/2021	15,153	0	0	0	0	15,153	0	0	0	0
0		109 REAL ESTATE - IDC	01/01/2016	12/31/2018	131	0	0	0	0	131	0	0	0	0
0		118 BASEMENT FLOODING PROTECTION SUBSIDY PROG-201	01/01/2018	12/31/2020	900	0	0	0	0	900	0	0	0	0
0		119 BASEMENT FLOODING STUDIES & EAS-2018 SC	01/01/2018	12/31/2021	-804	0	0	0	0	-804	0	0	0	0
0		120 BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	01/01/2018	12/31/2019	769	0	0	0	0	769	0	0	0	0
0		121 BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	01/01/2018	12/31/2020	-279	0	0	0	0	-279	0	0	0	0
0		122 BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	01/01/2018	12/31/2020	-2,499	0	0	0	0	-2,499	0	0	0	0
0		123 ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	01/01/2018	12/31/2019	13	0	0	0	0	13	0	0	0	0
0		124 BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2018 S	01/01/2018	12/31/2027	-2,203	0	0	0	0	-2,203	0	0	0	0
0		125 BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	01/01/2018	12/31/2021	-5,394	0	0	0	0	-5,394	0	0	0	0
0		126 BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	01/01/2018	12/31/2021	-1,109	0	0	0	0	-1,109	0	0	0	0
0		127 BASEMENT FLOODING STUDIES & EAS IMPLEMENT-2018	01/01/2018	12/31/2023	-2,057	0	0	0	0	-2,057	0	0	0	0
0		128 BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018 SC	01/01/2018	12/31/2027	-239	0	0	0	0	-239	0	0	0	0
0		129 BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018 S	01/01/2018	12/31/2027	-32,410	0	0	0	0	-32,410	0	0	0	0
0		130 BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018 S	01/01/2018	12/31/2021	-8,853	0	0	0	0	-8,853	0	0	0	0
0		131 REAL ESTATE - IDC - 2018 SC	01/01/2018	12/31/2018	-131	0	0	0	0	-131	0	0	0	0
		Project Sub-total:			61,254	0	0	0	0	61,254	0	0	0	0
0	<u>WAS000521</u>	<u>HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV</u>												
0		3 HCTP BLDG REHAB & IMPROVEMENTS	01/01/2012	12/31/2019	681	0	0	0	0	681	0	0	0	0
0		10 HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC	01/01/2018	12/31/2019	2,132	0	0	0	0	2,132	0	0	0	0
		Project Sub-total:			2,813	0	0	0	0	2,813	0	0	0	0
0	<u>WAS906322</u>	<u>W&WW LABORATORIES</u>												
0		9 LAB EQUIPMENT	01/01/2008	12/31/2021	248	0	0	0	0	248	0	0	0	0
0		22 LAB & EMP FACILITIES	01/01/2018	12/31/2027	1,800	0	0	0	0	1,800	0	0	0	0
0		27 LAB EQUIPMENT - FUTURE	01/01/2018	12/31/2027	254	0	0	0	0	254	0	0	0	0
0		32 LAB EQUIPMENT - 2018 SC	01/01/2018	12/31/2021	33	0	0	0	0	33	0	0	0	0
		Project Sub-total:			2,335	0	0	0	0	2,335	0	0	0	0
0	<u>WAS906328</u>	<u>SWM END OF PIPE FACILITIES</u>												
0		11 Bonar Creek SWMF Construction	01/01/2014	12/31/2022	660	0	0	53	0	607	0	0	0	0
0		12 EARL BALES PARK SWM FACILITY - PHASE 2	01/01/2012	12/31/2019	859	0	0	69	0	790	0	0	0	0
0		64 HUMBER BAY POND (ETOBICOKE)	01/01/2016	12/31/2019	400	0	0	32	0	368	0	0	0	0
0		67 YR03 D1 END OF PIPE	01/01/2016	12/31/2018	1	0	0	0	0	1	0	0	0	0
0		69 EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC	01/01/2018	12/31/2019	-839	0	0	-67	0	-772	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing			Start Date	Completion Date	2018	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>WAS906328</u>	<u>SWM END OF PIPE FACILITIES</u>													
0		70 Bonar Creek SWMF Construction-2018 SC	01/01/2018	12/31/2022	-160	0	0	-13	0	-147	0	0	0	0	0
0		71 HUMBER BAY POND (ETOBICOKE)-2018 SC	01/01/2018	12/31/2020	-350	0	0	-28	0	-322	0	0	0	0	0
0		72 NORTH TORONTO CSO CONSTR - 2018 SC	01/01/2018	12/31/2020	500	0	0	40	0	460	0	0	0	0	0
		Project Sub-total:			1,071	0	0	86	0	985	0	0	0	0	0
0	<u>WAS906331</u>	<u>SWM SOURCE CONTROL PROG</u>													
0		9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005	12/31/2018	204	0	0	0	0	204	0	0	0	0	0
0		16 DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	01/01/2018	12/31/2022	-122	0	0	0	0	-122	0	0	0	0	0
		Project Sub-total:			82	0	0	0	0	82	0	0	0	0	0
0	<u>WAS906380</u>	<u>HIGHLAND CREEK WWTP - ODOUR CONTROL</u>													
0		1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/2008	12/31/2021	620	0	0	50	0	570	0	0	0	0	0
0		2 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/2013	12/31/2020	4,866	0	0	392	0	4,474	0	0	0	0	0
0		22 ODOUR CONTROL UPGRADES - PHASE 1 ENG-2018 SC	01/01/2018	12/31/2023	112	0	0	9	0	103	0	0	0	0	0
0		23 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2018 SC	01/01/2018	12/31/2020	1,005	0	0	80	0	925	0	0	0	0	0
		Project Sub-total:			6,603	0	0	531	0	6,072	0	0	0	0	0
0	<u>WAS906486</u>	<u>ASHBRIDGES BAY T.P. - III YR2004</u>													
0		3 PCS-PLANT SRVS	01/01/2005	12/31/2018	197	0	0	16	0	181	0	0	0	0	0
0		49 PCS-PLANT SRVS-2018 SC	01/01/2018	12/31/2018	-177	0	0	-14	0	-163	0	0	0	0	0
		Project Sub-total:			20	0	0	2	0	18	0	0	0	0	0
0	<u>WAS906488</u>	<u>HUMBER T.P. - II YR2004</u>													
0		2 PCS PLANT SERVICES	01/01/2005	12/31/2018	8	0	0	1	0	7	0	0	0	0	0
0		25 PCS PLANT SERVICES - 2018 SC	01/01/2018	12/31/2018	-3	0	0	-1	0	-2	0	0	0	0	0
		Project Sub-total:			5	0	0	0	0	5	0	0	0	0	0
0	<u>WAS906492</u>	<u>WET WEATHER FLOW MP</u>													
0		1 SWM INA/EA	01/01/2005	12/31/2019	548	0	0	44	0	504	0	0	0	0	0
0		2 PUBLIC EDUCATION	01/01/2005	12/31/2018	698	0	0	56	0	642	0	0	0	0	0
0		14 WWFMP IMPLEMENTATION - DESIGN	01/01/2008	12/31/2020	918	0	0	73	0	845	0	0	0	0	0
0		41 SWM CONVEYANCE 2012	01/01/2012	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
0		51 SWM CONVEYANCE 2014	01/01/2014	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
0		58 SWM CONVEYANCE 2015	01/01/2015	12/31/2018	505	0	0	40	0	465	0	0	0	0	0
0		59 STORM WATER POND ASSESSMENT & CLEANING	01/01/2015	12/31/2022	2,098	0	0	0	0	2,098	0	0	0	0	0
0		60 ASHBRIDGES BAY LANDFORMS	01/01/2015	12/31/2023	5,000	0	0	0	0	5,000	0	0	0	0	0
0		84 SWM CONVEYANCE 2017	01/01/2016	12/31/2019	2,292	0	0	185	0	2,107	0	0	0	0	0
0		86 GREEN STREETS	01/01/2016	12/31/2020	814	0	0	66	0	748	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing				2018											
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
0	<u>WAS906735</u>	<u>DIST SEWER REHAB OPS YR2005</u>													
0		10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005	12/31/2019	12	0	0	1	0	11	0	0	0	0	0
0		19 GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2018 SC	01/01/2018	12/31/2020	3	0	0	0	0	3	0	0	0	0	0
		Project Sub-total:			15	0	0	1	0	14	0	0	0	0	0
0	<u>WAS906741</u>	<u>HIGHLAND CREEK TP YR2005</u>													
0		1 WAS THICKENING AND DEWATERING - ENG	01/01/2005	12/31/2018	13	0	0	1	0	12	0	0	0	0	0
0		20 WAS THICKENING AND DEWATERING - ENG - 2018 SC	01/01/2018	12/31/2018	-10	0	0	-1	0	-9	0	0	0	0	0
		Project Sub-total:			3	0	0	0	0	3	0	0	0	0	0
0	<u>WAS906742</u>	<u>HUMBER TP YR2005</u>													
0		8 ODOUR CONTROL ENGINEERING	01/01/2008	12/31/2021	10	0	0	0	0	10	0	0	0	0	0
0		57 ODOUR CONTROL ENGINEERING - 2018 SC	01/01/2018	12/31/2020	295	0	0	0	0	295	0	0	0	0	0
		Project Sub-total:			305	0	0	0	0	305	0	0	0	0	0
0	<u>WAS906743</u>	<u>ASHRIDGES BAY TP YR2005</u>													
0		1 MISC MECH ENGINEERING	01/01/2005	12/31/2020	500	0	0	40	0	460	0	0	0	0	0
0		7 SERVICE AIR UPGRADES	01/01/2006	12/31/2019	1,600	0	0	0	0	1,600	0	0	0	0	0
0		62 SERVICE AIR UPGRADES - 2018 SC	01/01/2018	12/31/2019	-1,435	0	0	0	0	-1,435	0	0	0	0	0
		Project Sub-total:			665	0	0	40	0	625	0	0	0	0	0
0	<u>WAS906755</u>	<u>WESTERN BEACHES RETROFIT</u>													
0		1 WESTERN BEACHES RETROFIT	01/01/2005	12/31/2022	5,561	0	0	448	0	5,113	0	0	0	0	0
0		16 WESTERN BEACHES RETROFIT-2018 SC	01/01/2018	12/31/2020	781	0	0	62	0	719	0	0	0	0	0
		Project Sub-total:			6,342	0	0	510	0	5,832	0	0	0	0	0
0	<u>WAS906926</u>	<u>OPERATIONAL SUPPORT</u>													
0		6 FACILITY RENOVATION	01/01/2006	12/31/2019	750	0	0	0	0	750	0	0	0	0	0
0		7 RENOVATION - MERTON STREET	01/01/2012	12/31/2018	20	0	0	0	0	20	0	0	0	0	0
0		23 EMP MONITORING NEEDS	01/01/2010	12/31/2018	50	0	0	0	0	50	0	0	0	0	0
0		40 PCS UPGRADES FOR WASTEWATER TREATMENT	01/01/2013	12/31/2021	9,444	0	0	0	0	9,444	0	0	0	0	0
0		100 DIVISIONAL SECURITY	01/01/2016	12/31/2018	1,030	0	0	0	0	1,030	0	0	0	0	0
0		107 OFFICE MODERNIZATION - MH18	01/01/2016	12/31/2018	1,875	0	0	0	0	1,875	0	0	0	0	0
0		114 DISTRICT OPERATIONS FACILITY UPGRADES	01/01/2016	12/31/2021	500	0	0	0	0	500	0	0	0	0	0
0		115 PCS UPGRADES FOR WASTEWATER TREATMENT - 2018 SC	01/01/2018	12/31/2022	-7,624	0	0	0	0	-7,624	0	0	0	0	0
0		116 DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC	01/01/2018	12/31/2022	-250	0	0	0	0	-250	0	0	0	0	0
0		118 OFFICE MODERNIZATION - MH18 - 2018 SC	01/01/2018	12/31/2020	-1,425	0	0	0	0	-1,425	0	0	0	0	0
0		119 RENOVATION - MERTON STREET - 2018 SC	01/01/2018	12/31/2018	-10	0	0	0	0	-10	0	0	0	0	0
0		120 DIVISIONAL SECURITY - 2018 SC	01/01/2018	12/31/2019	5	0	0	0	0	5	0	0	0	0	0

(Phase 2) 11-Wastewater Program

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

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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing					2018	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
0	<u>WAS906966</u>	<u>SWM TRCA FUNDING</u>													
0	22	TORONTO WATER TRANSFER TO TRCA CAPITAL	01/01/2018	12/31/2018	4,382	0	0	353	0	4,029	0	0	0	0	0
		Project Sub-total:			4,382	0	0	353	0	4,029	0	0	0	0	0
0	<u>WAS906968</u>	<u>ENGINEERING</u>													
0	2	CONSULTING FEES	01/01/2006	12/31/2026	14,195	0	0	0	0	14,195	0	0	0	0	0
0	52	ECS SALARIES	01/01/2014	12/31/2018	114	0	0	0	0	114	0	0	0	0	0
0	59	ROAD RESTORATION	01/01/2006	12/31/2018	800	0	0	0	0	800	0	0	0	0	0
0	65	ECS SALARIES - 2018 SC	01/01/2018	12/31/2018	14,477	0	0	0	0	14,477	0	0	0	0	0
0	67	ROAD RESTORATION-2018 SC	01/01/2018	12/31/2019	-71	0	0	0	0	-71	0	0	0	0	0
0	68	CONSULTING FEES-2018 SC	01/01/2018	12/31/2026	-2,513	0	0	0	0	-2,513	0	0	0	0	0
0	69	TW SALARIES	01/01/2018	12/31/2018	967	0	0	0	0	967	0	0	0	0	0
		Project Sub-total:			27,969	0	0	0	0	27,969	0	0	0	0	0
0	<u>WAS906973</u>	<u>SEWER REPLACEMENT PROGRAM</u>													
0	24	FORCEMAIN REPLACEMENT	01/01/2012	12/31/2018	25	0	0	0	0	25	0	0	0	0	0
0	25	2012 SEWER REPLC	01/01/2012	12/31/2018	100	0	0	0	0	100	0	0	0	0	0
0	35	2013 SEWER REPLC	01/01/2013	12/31/2018	9	0	0	1	0	8	0	0	0	0	0
0	36	SEWER REPLC - 2014 PROGRAM	01/01/2014	12/31/2018	335	0	0	27	0	308	0	0	0	0	0
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	01/01/2013	12/31/2018	1,483	0	0	970	0	513	0	0	0	0	0
0	47	EBF REPORT	01/01/2013	12/31/2018	400	0	0	262	0	138	0	0	0	0	0
0	52	SEWER REPLACEMENT - METROLINX	01/01/2014	12/31/2021	244	0	0	0	0	244	0	0	0	0	0
0	62	SEWER REPLC - 2015 PROGRAM	01/01/2015	12/31/2018	895	0	0	72	0	823	0	0	0	0	0
0	71	SEWER REPLC - 2016 PROGRAM	01/01/2016	12/31/2018	7,636	0	0	615	0	7,021	0	0	0	0	0
0	75	FORCEMAIN REPLACEMENT - 2016	01/01/2016	12/31/2021	11,008	0	0	0	0	11,008	0	0	0	0	0
0	78	SEWER REPLC - 2017 PROGRAM	01/01/2016	12/31/2019	4,121	0	0	332	0	3,789	0	0	0	0	0
0	79	SEWER REPLC - 2018 PROGRAM	01/01/2018	12/31/2020	4,176	0	0	336	0	3,840	0	0	0	0	0
0	90	2012 SEWER REPLC-2018 SC	01/01/2018	12/31/2019	-84	0	0	0	0	-84	0	0	0	0	0
0	92	SEWER REPLC - 2014 PROGRAM-2018 SC	01/01/2018	12/31/2019	-333	0	0	-27	0	-306	0	0	0	0	0
0	93	SEWER REPLC - 2015 PROGRAM-2018 SC	01/01/2018	12/31/2019	-687	0	0	-55	0	-632	0	0	0	0	0
0	94	SEWER REPLC - 2016 PROGRAM-2018 SC	01/01/2018	12/31/2019	-4,756	0	0	-383	0	-4,373	0	0	0	0	0
0	95	FORCEMAIN REPLACEMENT - 2016-2018 SC	01/01/2018	12/31/2021	-6,660	0	0	0	0	-6,660	0	0	0	0	0
0	96	SEWER REPLC - 2017 PROGRAM-2018 SC	01/01/2018	12/31/2020	-2,047	0	0	-165	0	-1,882	0	0	0	0	0
0	97	SEWER REPLACEMENT - METROLINX - 2018 SC	01/01/2018	12/31/2022	-153	0	0	0	0	-153	0	0	0	0	0
0	99	EBF REPORT - 2018 SC	01/01/2018	12/31/2019	1,000	0	0	654	0	346	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing				2018		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
0	<u>WAS906973</u>	<u>SEWER REPLACEMENT PROGRAM</u>													
0		100 CSP RENEWAL	01/01/2018	12/31/2022	1,305	0	0	105	0	1,200	0	0	0	0	0
		Project Sub-total:			18,017	0	0	2,744	0	15,273	0	0	0	0	0
0	<u>WAS906980</u>	<u>ASHBRIDGES BAY T.P. YR2006</u>													
0		9 DEWATERING EQUIPMENT UPGRADES	01/01/2006	12/31/2018	3	0	0	0	0	3	0	0	0	0	0
0		43 MEDIATION AGREEMENT IMPLEMENTATION - 2018 SC	01/01/2018	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
		Project Sub-total:			4	0	0	0	0	4	0	0	0	0	0
0	<u>WAS906981</u>	<u>HIGHLAND CREEK WWTP UPGRADES</u>													
0		1 PROCESS & FACILITY UPGRADE	01/01/2006	12/31/2022	2,167	0	0	0	0	2,167	0	0	0	0	0
0		3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006	12/31/2020	416	0	0	33	0	383	0	0	0	0	0
0		5 TRANSFORMERS AND SWITCHGEAR	01/01/2006	12/31/2020	200	0	0	16	0	184	0	0	0	0	0
0		7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2006	12/31/2018	120	0	0	0	0	120	0	0	0	0	0
0		8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011	12/31/2020	6,677	0	0	0	0	6,677	0	0	0	0	0
0		23 ELECTRICAL UPGRADES - ECAR	01/01/2012	12/31/2019	835	0	0	0	0	835	0	0	0	0	0
0		32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2009	12/31/2022	1,522	0	0	0	0	1,522	0	0	0	0	0
0		80 DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	01/01/2014	12/31/2022	118	0	0	0	0	118	0	0	0	0	0
0		90 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/2015	12/31/2019	100	0	0	0	0	100	0	0	0	0	0
0		92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/2015	12/31/2021	3,459	0	0	0	0	3,459	0	0	0	0	0
0		101 AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADE	01/01/2016	12/31/2021	14,000	0	0	0	0	14,000	0	0	0	0	0
0		102 LIQUID TRAIN - ENGINEERING	01/01/2015	12/31/2026	2,940	0	0	0	0	2,940	0	0	0	0	0
0		123 COMMUNICATION SYSTEM	01/01/2016	12/31/2022	233	0	0	0	0	233	0	0	0	0	0
0		139 PROCESS & FACILITY UPGRADE-2018 SC	01/01/2018	12/31/2023	-913	0	0	0	0	-913	0	0	0	0	0
0		140 BIOSOLIDS TREATMENT UPGRADES -2018 SC	01/01/2018	12/31/2020	482	0	0	40	0	442	0	0	0	0	0
0		141 DIGESTER GAS SYSTEM UPGRADES-2018 SC	01/01/2018	12/31/2020	98	0	0	0	0	98	0	0	0	0	0
0		142 LIQUID TRAIN - ENGINEERING-2018 SC	01/01/2018	12/31/2027	-1,015	0	0	0	0	-1,015	0	0	0	0	0
0		143 LIQUID TRAIN REPAIRS - PHASE 1-2018 SC	01/01/2018	12/31/2022	-1,928	0	0	0	0	-1,928	0	0	0	0	0
0		144 TRANSFORMERS AND SWITCHGEAR-2018 SC	01/01/2018	12/31/2021	-190	0	0	-15	0	-175	0	0	0	0	0
0		145 AERATION SYSTEM & ASSOCIATED BLDG UPGRADES-2010	01/01/2018	12/31/2021	-14,000	0	0	0	0	-14,000	0	0	0	0	0
0		146 DIGESTER CLEANING, REHAB IMPROVEMENTS #4-7-2018	01/01/2018	12/31/2019	-24	0	0	0	0	-24	0	0	0	0	0
0		147 PROCESS IMPROVEMENTS (ROADMAP FOR RCM) - 2018	01/01/2018	12/31/2019	-100	0	0	0	0	-100	0	0	0	0	0
0		148 MECH & ELECTRICAL UPGRADE ENGINEERING - 2018 SC	01/01/2018	12/31/2019	-91	0	0	0	0	-91	0	0	0	0	0
0		149 CEPA COMPLIANCE - CL NOTICE - HCTP - 2018 SC	01/01/2018	12/31/2021	-622	0	0	0	0	-622	0	0	0	0	0
0		150 ELECTRICAL UPGRADES - ECAR - 2018 SC	01/01/2018	12/31/2019	-440	0	0	0	0	-440	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing			Start Date	Completion Date	2018	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>WAS906981</u>	<u>HIGHLAND CREEK WWTP UPGRADES</u>													
0		151 COMMUNICATION SYSTEM - 2018 SC	01/01/2018	12/31/2023	42	0	0	0	0	42	0	0	0	0	0
		Project Sub-total:			14,086	0	0	74	0	14,012	0	0	0	0	0
0	<u>WAS906982</u>	<u>HUMBER WWTP UPGRADES</u>													
0		2 CHLORINE FACILITY UPGRADE	01/01/2006	12/31/2018	643	0	0	0	0	643	0	0	0	0	0
0		6 NEW SUBSTATION	01/01/2006	12/31/2018	5	0	0	0	0	5	0	0	0	0	0
0		7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDATI	01/01/2006	12/31/2021	2,677	0	0	0	0	2,677	0	0	0	0	0
0		29 ADMIN BUILDING EXPANSION - ENGINEERING	01/01/2010	12/31/2022	500	0	0	0	0	500	0	0	0	0	0
0		52 HVAC UPGRADES	01/01/2013	12/31/2021	8,016	0	0	0	0	8,016	0	0	0	0	0
0		81 BLOWER REPLACEMENT	01/01/2016	12/31/2024	250	0	0	0	0	250	0	0	0	0	0
0		82 DIGESTERS CLEANING REHAB	01/01/2018	12/31/2022	550	0	0	0	0	550	0	0	0	0	0
0		95 REPLACEMENT OF WASTE GAS BURNERS	01/01/2016	12/31/2022	1,800	0	0	0	0	1,800	0	0	0	0	0
0		99 WET WEATHER FLOW	01/01/2016	12/31/2020	2,100	0	0	0	0	2,100	0	0	0	0	0
0		107 MESI UPGRADES	01/01/2016	12/31/2021	860	0	0	0	0	860	0	0	0	0	0
0		108 BUILDING UPGRADES ENGINEERING	01/01/2016	12/31/2018	100	0	0	0	0	100	0	0	0	0	0
0		114 FIELD OFFICE	01/01/2017	12/31/2018	471	0	0	0	0	471	0	0	0	0	0
0		115 ADMIN BUILDING EXPANSION - CONSTRUCTION	01/01/2018	12/31/2023	500	0	0	0	0	500	0	0	0	0	0
0		116 SERVICE REHAB AND UPGRADES	01/01/2016	12/31/2022	1,000	0	0	0	0	1,000	0	0	0	0	0
0		117 BLOWER REPLACEMENT-2018 SC	01/01/2018	12/31/2027	-250	0	0	0	0	-250	0	0	0	0	0
0		118 WET WEATHER FLOW-2018 SC	01/01/2018	12/31/2023	-1,700	0	0	0	0	-1,700	0	0	0	0	0
0		119 SERVICE REHAB AND UPGRADES-2018 SC	01/01/2018	12/31/2023	-1,000	0	0	0	0	-1,000	0	0	0	0	0
0		120 ELECTRICAL CONDITION ASSESSMENT RECOMM - 2018	01/01/2018	12/31/2019	-256	0	0	0	0	-256	0	0	0	0	0
0		121 OPERATIONS CONTROL CENTRE - ENGINEERING - 2018	01/01/2018	12/31/2022	117	0	0	0	0	117	0	0	0	0	0
0		122 REPLACEMENT OF WASTE GAS BURNERS - 2018 SC	01/01/2018	12/31/2022	-550	0	0	0	0	-550	0	0	0	0	0
0		123 BUILDING UPGRADES ENGINEERING - 2018 SC	01/01/2018	12/31/2018	-100	0	0	0	0	-100	0	0	0	0	0
0		124 CHLORINE FACILITY UPGRADE - 2018 SC	01/01/2018	12/31/2019	-638	0	0	0	0	-638	0	0	0	0	0
0		125 NEW SUBSTATION - 2018 SC	01/01/2018	12/31/2019	7	0	0	0	0	7	0	0	0	0	0
0		126 HVAC UPGRADES - 2018 SC	01/01/2018	12/31/2020	-2,106	0	0	0	0	-2,106	0	0	0	0	0
0		127 MESI UPGRADES - 2018 SC	01/01/2018	12/31/2022	-360	0	0	0	0	-360	0	0	0	0	0
0		128 FIELD OFFICE - 2018 SC	01/01/2018	12/31/2018	191	0	0	0	0	191	0	0	0	0	0
		Project Sub-total:			12,827	0	0	0	0	12,827	0	0	0	0	0
0	<u>WAS906994</u>	<u>HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING</u>													
0		1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2012	12/31/2026	2,557	0	0	206	0	2,351	0	0	0	0	0
0		3 WAS THICKENING - CONSTR	01/01/2010	12/31/2018	504	0	0	41	0	463	0	0	0	0	0
0		8 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2018	12/31/2026	10	0	0	1	0	9	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing				2018	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
0	WAS906994	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING													
0		19 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2018 S	01/01/2018	12/31/2027	-57	0	0	-5	0	-52	0	0	0	0	0
0		20 WAS THICKENING - CONSTR-2018 SC	01/01/2018	12/31/2018	-9	0	0	-1	0	-8	0	0	0	0	0
		Project Sub-total:			3,005	0	0	242	0	2,763	0	0	0	0	0
0	WAS907038	Land Acquisition for Source Water Protect													
0		25 TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/2016	12/31/2019	1,200	0	0	96	0	1,104	0	0	0	0	0
0		29 TRCA - CRITICAL EROSION SITES	01/01/2018	12/31/2018	8,000	0	0	644	0	7,356	0	0	0	0	0
0		30 TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2018 S	01/01/2018	12/31/2018	800	0	0	64	0	736	0	0	0	0	0
0		31 TRCA - SCARBOROUGH WATERFRONT WEST EA - 2018 S	01/01/2018	12/31/2019	-350	0	0	-28	0	-322	0	0	0	0	0
		Project Sub-total:			9,650	0	0	776	0	8,874	0	0	0	0	0
0	WAS907097	ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DE													
0		7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM	01/01/2007	12/31/2020	100	0	0	0	0	100	0	0	0	0	0
0		19 BIO GAS UTILIZATION	01/01/2009	12/31/2023	1,200	0	0	0	0	1,200	0	0	0	0	0
0		21 BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMEN	01/01/2010	12/31/2023	1,970	0	0	0	0	1,970	0	0	0	0	0
0		64 GROVE LANDSCAPING - PHASE 1	01/01/2016	12/31/2018	2,256	0	0	0	0	2,256	0	0	0	0	0
0		65 BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2018	01/01/2018	12/31/2023	404	0	0	0	0	404	0	0	0	0	0
0		66 GROVE LANDSCAPING - PHASE 1-2018 SC	01/01/2018	12/31/2020	1,486	0	0	0	0	1,486	0	0	0	0	0
0		67 BIO GAS UTILIZATION - 2018 SC	01/01/2018	12/31/2025	-1,000	0	0	0	0	-1,000	0	0	0	0	0
		Project Sub-total:			6,416	0	0	0	0	6,416	0	0	0	0	0
0	WAS907098	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM													
0		1 DISINFECTION ENGINEERING	01/01/2009	12/31/2022	4,456	0	0	358	0	4,098	0	0	0	0	0
0		2 OUTFALL CONSTRUCTION	01/01/2018	12/31/2025	5,000	0	0	402	0	4,598	0	0	0	0	0
0		13 OUTFALL ASSESSMENT	01/01/2012	12/31/2018	5	0	0	0	0	5	0	0	0	0	0
0		14 OUTFALL ENGINEERING	01/01/2015	12/31/2026	5,874	0	0	472	0	5,402	0	0	0	0	0
0		15 DISINFECTION SYSTEM CONSTRUCTION	01/01/2016	12/31/2020	75,080	0	0	6,042	0	69,038	0	0	0	0	0
0		31 OUTFALL - SITE PREP	01/01/2016	12/31/2018	450	0	0	36	0	414	0	0	0	0	0
0		33 DISINFECTION ENGINEERING-2018 SC	01/01/2018	12/31/2024	-3,656	0	0	-294	0	-3,362	0	0	0	0	0
0		34 DISINFECTION SYSTEM CONSTRUCTION-2018 SC	01/01/2018	12/31/2022	-24,945	0	0	-2,007	0	-22,938	0	0	0	0	0
0		35 OUTFALL ENGINEERING-2018 SC	01/01/2018	12/31/2026	-3,449	0	0	-277	0	-3,172	0	0	0	0	0
		Project Sub-total:			58,815	0	0	4,732	0	54,083	0	0	0	0	0
0	WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLIN													
0		1 FINE BUBBLE AERATION - TANK #2	01/01/2009	12/31/2018	540	0	0	43	0	497	0	0	0	0	0
0		3 P BLDG HEADWORKS UPGRADE	01/01/2010	12/31/2019	7,546	0	0	607	0	6,939	0	0	0	0	0
0		6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014	12/31/2018	3,940	0	0	0	0	3,940	0	0	0	0	0

(Phase 2) 11-Wastewater Program

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CITY OF TORONTO

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Wastewater Program

Sub-Project Summary

Project/Financing					2018	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
0	<u>WAS907099</u>	<u>ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLIN</u>													
0		10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011	12/31/2026	6,689	0	0	0	0	6,689	0	0	0	0	0
0		12 WORK AREA 1 REHAB	01/01/2008	12/31/2018	10	0	0	0	0	10	0	0	0	0	0
0		39 INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	01/01/2012	12/31/2026	3,350	0	0	0	0	3,350	0	0	0	0	0
0		77 FINE BUBBLE AERATION - ENGINEERING	01/01/2016	12/31/2025	1,500	0	0	121	0	1,379	0	0	0	0	0
0		80 INTEGRATED PUMPING STATION (IPS) - CONST-2018 SC	01/01/2018	12/31/2020	5,450	0	0	0	0	5,450	0	0	0	0	0
0		81 FINE BUBBLE AERATION - ENGINEERING-2018 SC	01/01/2018	12/31/2027	-1,100	0	0	-89	0	-1,011	0	0	0	0	0
0		82 FINE BUBBLE AERATION - TANK #2-2018 SC	01/01/2018	12/31/2019	-410	0	0	-33	0	-377	0	0	0	0	0
0		83 P BLDG HEADWORKS UPGRADE-2018 SC	01/01/2018	12/31/2019	9,479	0	0	763	0	8,716	0	0	0	0	0
0		85 INTEGRATED PUMPING STATION (IPS) - ENG - 2018 SC	01/01/2018	12/31/2027	511	0	0	0	0	511	0	0	0	0	0
0		86 M & T PUMPING STATION CRITICAL REPAIRS - 2018 SC	01/01/2018	12/31/2019	-440	0	0	0	0	-440	0	0	0	0	0
0		87 Primary and Final Tank Upgrades	01/01/2018	12/31/2018	42	0	0	3	0	39	0	0	0	0	0
0		88 WORK AREA 1 REHAB - 2018 SC	01/01/2018	12/31/2018	-10	0	0	0	0	-10	0	0	0	0	0
		Project Sub-total:			37,097	0	0	1,415	0	35,682	0	0	0	0	0
0	<u>WAS907100</u>	<u>ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING</u>													
0		3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2014	12/31/2024	3,005	0	0	242	0	2,763	0	0	0	0	0
0		4 DIGESTERS 9-12 REFURBISH	01/01/2011	12/31/2023	3,373	0	0	271	0	3,102	0	0	0	0	0
0		8 BIOSOLIDS PELLETIZER RETROFIT	01/01/2013	12/31/2019	400	0	0	0	0	400	0	0	0	0	0
0		22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	01/01/2016	12/31/2023	20,000	0	0	1,610	0	18,390	0	0	0	0	0
0		25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/2014	12/31/2019	937	0	0	0	0	937	0	0	0	0	0
0		49 DIGESTERS 9-12 REFURBISH-2018 SC	01/01/2018	12/31/2022	3,977	0	0	321	0	3,656	0	0	0	0	0
0		50 WASTE ACTIVATED SLUDGE UPGRADE - ENG-2018 SC	01/01/2018	12/31/2025	-1,073	0	0	-87	0	-986	0	0	0	0	0
0		51 WASTE ACTIVATED SLUDGE UPGRADE - CONST-2018 SC	01/01/2018	12/31/2023	-14,677	0	0	-1,182	0	-13,495	0	0	0	0	0
0		54 PELLETIZER TRUCK LOADING FACILITY UPGRADES-2018	01/01/2018	12/31/2019	-347	0	0	0	0	-347	0	0	0	0	0
		Project Sub-total:			15,595	0	0	1,175	0	14,420	0	0	0	0	0
0	<u>WAS907101</u>	<u>ASHBRIDGES BAY WWTP - O&M UPGRADES</u>													
0		5 BOILER #4 DESIGN	01/01/2010	12/31/2019	11	0	0	0	0	11	0	0	0	0	0
0		6 MESI UPGRADES	01/01/2012	12/31/2019	3,432	0	0	0	0	3,432	0	0	0	0	0
0		7 MISC MECH REHAB	01/01/2010	12/31/2018	6,256	0	0	0	0	6,256	0	0	0	0	0
0		36 MISC MECH REHAB - 2018 SC	01/01/2018	12/31/2019	-1,856	0	0	0	0	-1,856	0	0	0	0	0
0		37 MESI UPGRADES - 2018 SC	01/01/2018	12/31/2020	-563	0	0	0	0	-563	0	0	0	0	0
		Project Sub-total:			7,280	0	0	0	0	7,280	0	0	0	0	0
0	<u>WAS907102</u>	<u>ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>													
0		6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/2012	12/31/2019	5,434	0	0	437	0	4,997	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing					2018	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
0	<u>WAS907102</u>	<u>ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>													
0		13 D BUILDING TREATMENT & BIOFILTER	01/01/2009	12/31/2018	220	0	0	18	0	202	0	0	0	0	0
0		40 BIOFILTERS UPGRADE & REPLACEMENT-2018 SC	01/01/2018	12/31/2021	-134	0	0	-10	0	-124	0	0	0	0	0
0		41 D BUILDING TREATMENT & BIOFILTER-2018 SC	01/01/2018	12/31/2019	-110	0	0	-9	0	-101	0	0	0	0	0
		Project Sub-total:			5,410	0	0	436	0	4,974	0	0	0	0	0
0	<u>WAS907104</u>	<u>HUMBER WWTP - LIQUID TREATMENT & HANDLING</u>													
0		2 SECONDARY TREATMENT UPGRADES - SOUTH - ENGINE	01/01/2009	12/31/2025	7,576	0	0	610	0	6,966	0	0	0	0	0
0		19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/2015	12/31/2022	46,555	0	0	3,749	0	42,806	0	0	0	0	0
0		26 SECONDARY TREATMENT UPGRADES - SOUTH - ENG-2010	01/01/2018	12/31/2027	-4,566	0	0	-368	0	-4,198	0	0	0	0	0
0		27 SECONDARY TREATMENT UPGRADES -SOUTH-CONS-2010	01/01/2018	12/31/2024	-23,555	0	0	-1,897	0	-21,658	0	0	0	0	0
		Project Sub-total:			26,010	0	0	2,094	0	23,916	0	0	0	0	0
0	<u>WAS907105</u>	<u>HUMBER WWTP - O&M UPGRADES</u>													
0		1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008	12/31/2019	1,050	0	0	0	0	1,050	0	0	0	0	0
0		2 LIQUID STREAM UPGRADES	01/01/2010	12/31/2018	5	0	0	0	0	5	0	0	0	0	0
0		33 GAS COMPRESSOR SYSTEM UPGRADES - 2018 SC	01/01/2018	12/31/2019	-99	0	0	0	0	-99	0	0	0	0	0
		Project Sub-total:			956	0	0	0	0	956	0	0	0	0	0
0	<u>WAS907106</u>	<u>HUMBER WWTP - ODOUR CONTROL</u>													
0		1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/2013	12/31/2018	3,986	0	0	321	0	3,665	0	0	0	0	0
0		14 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2018 SC	01/01/2018	12/31/2019	-1,004	0	0	-81	0	-923	0	0	0	0	0
		Project Sub-total:			2,982	0	0	240	0	2,742	0	0	0	0	0
0	<u>WAS907224</u>	<u>SEWAGE PUMPING STATION UPGRADES</u>													
0		1 SPS UPGRADES	01/01/2011	12/31/2019	4,768	0	0	384	0	4,384	0	0	0	0	0
0		18 SPS UPGRADES - GROUP 6	01/01/2016	12/31/2024	400	0	0	32	0	368	0	0	0	0	0
0		26 SPS UPGRADES - GROUP 7	01/01/2020	12/31/2027	175	0	0	14	0	161	0	0	0	0	0
0		33 SPS UPGRADES - 2018 SC	01/01/2018	12/31/2020	-1,766	0	0	-142	0	-1,624	0	0	0	0	0
0		34 FACILITY & PROCESS UPGRADES	01/01/2018	12/31/2022	100	0	0	0	0	100	0	0	0	0	0
0		35 SCOTT ST PS & SIMCOE ST PS	01/01/2018	12/31/2024	100	0	0	8	0	92	0	0	0	0	0
		Project Sub-total:			3,777	0	0	296	0	3,481	0	0	0	0	0
0	<u>WAS907559</u>	<u>DON & WATERFRONT TRUNK CSO</u>													
0		1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2013	12/31/2024	5,671	0	0	456	0	5,215	0	0	0	0	0
0		15 DCW - PHASE 1 - ADDITIONAL SCOPE	01/01/2018	12/31/2019	6,800	0	0	547	0	6,253	0	0	0	0	0
0		17 DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	01/01/2016	12/31/2023	500	0	0	40	0	460	0	0	0	0	0
0		18 Don & Waterfront Trunk/CSO Construction - PHASE 1	01/01/2018	12/31/2024	17,500	0	0	1,408	0	16,092	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: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program

Sub-Project Summary

Project/Financing			2018		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
0	<u>WAS907559</u>	<u>DON & WATERFRONT TRUNK CSO</u>													
0		22 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN-2018	01/01/2018	12/31/2019	-1,247	0	0	-100	0	-1,147	0	0	0	0	0
		Project Sub-total:			29,224	0	0	2,351	0	26,873	0	0	0	0	0
0	<u>WAS907700</u>	<u>NORTH TORONTO WTP UPGRADES</u>													
0		2 NTTP - ELECTRICAL UPGRADES - ECAR	01/01/2012	12/31/2020	1,754	0	0	0	0	1,754	0	0	0	0	0
0		10 OPS INTERFACE NTTP	01/01/2016	12/31/2018	300	0	0	0	0	300	0	0	0	0	0
0		11 NTTP - PROCESS IMPROVEMENTS	01/01/2016	12/31/2021	4,496	0	0	0	0	4,496	0	0	0	0	0
0		13 NTTP - ELECTRICAL UPGRADES - ECAR - 2018 SC	01/01/2018	12/31/2022	-594	0	0	0	0	-594	0	0	0	0	0
0		14 NTTP - PROCESS IMPROVEMENTS - 2018 SC	01/01/2018	12/31/2022	-3,496	0	0	0	0	-3,496	0	0	0	0	0
		Project Sub-total:			2,460	0	0	0	0	2,460	0	0	0	0	0
0	<u>WAS908143</u>	<u>Georgetown South City Infrastructure Upgrades</u>													
0		1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRAD	01/01/2015	12/31/2019	6,132	0	0	36	0	6,096	0	0	0	0	0
0		8 GEORGETOWN SOUTH CITY INFRASTR UPGRADES - 2018	01/01/2018	12/31/2019	-1,017	0	0	376	0	-1,393	0	0	0	0	0
		Project Sub-total:			5,115	0	0	412	0	4,703	0	0	0	0	0
0	<u>WASWP003</u>	<u>EMERY CREEK POND</u>													
0		1 EMERY CREEK POND	01/01/2005	12/31/2020	544	0	0	44	0	500	0	0	0	0	0
0		16 EMERY CREEK POND-2018 SC	01/01/2018	12/31/2020	-50	0	0	-4	0	-46	0	0	0	0	0
		Project Sub-total:			494	0	0	40	0	454	0	0	0	0	0
0	<u>WASWP050</u>	<u>EQUIPMENT REPLACEMENT & REHABILITATION</u>													
0		78 EQUIPMENT REPLACEMENT	01/01/2012	12/31/2020	9,032	0	0	0	0	9,032	0	0	0	0	0
0		135 EQUIPMENT REPLACEMENT - 2018 SC	01/01/2018	12/31/2023	-3,327	0	0	0	0	-3,327	0	0	0	0	0
0		136 ABTP - DIG. TANKS #1-8 MODS.	01/01/2018	12/31/2018	1	0	0	0	0	1	0	0	0	0	0
		Project Sub-total:			5,706	0	0	0	0	5,706	0	0	0	0	0
Program Total:					576,796	0	0	23,194	0	553,602	0	0	0	0	0

Status Code	Description
S2	S2 Prior Year (With 2018 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 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

Reserve / Reserve Fund – Program Specific (\$000s)

Table 1		Projected Balance as at Dec. 31, 2017*	Proposed Withdrawals										2018 - 2027 Total Contributions / Withdrawals
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	
Water DC Reserve Fund XR2111 DC - Water (2009)	Beginning Balance	\$89,563	\$47,488	\$54,826	\$36,496	\$24,027	\$14,833	\$10,758	\$7,531	\$6,865	\$3,132	\$1,543	
	HORGAN W.T.P. EXPANSION		(\$3)				(\$13)						(\$16)
	WATER STORAGE EXPANSION		(\$15)										(\$15)
	WATER EFFICIENCY PROGRAM		(\$445)	(\$445)	(\$445)	(\$445)	(\$445)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$4,825)
	AVENUE ROAD TRUNKMAIN REPLACEMENT												
	HORGAN TRUNK MAIN EXPANSION		(\$152)	(\$380)	(\$1,176)	(\$6,717)	(\$6,718)	(\$6,718)	(\$3,302)	(\$93)	(\$13)		(\$25,269)
	ISLAND W.T.P. R&R		(\$167)	(\$91)	(\$912)	(\$1,094)	(\$450)						(\$2,714)
	DISTRICT WATERMAINS - NEW		(\$10)	(\$50)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$4,060)
	PW ENGINEERING		(\$794)	(\$1,333)	(\$782)	(\$558)	(\$669)	(\$699)	(\$538)	(\$244)	(\$119)	(\$119)	(\$5,855)
	DOWNTOWN W/M ENHANCEMENT		(\$1)										(\$1)
	TRUNK WATERMAIN EXPANSION		(\$3,074)	(\$9,437)	(\$9,394)	(\$1,167)							(\$23,072)
	WATER SUSTAINABILITY PROGRAM		(\$656)	(\$605)	(\$209)	(\$2)	(\$1)						(\$1,473)
	RL CLARK W.T.P. R&R		(\$512)	(\$553)	(\$260)	(\$4)	(\$2)						(\$1,331)
	DIST W/M REPLACEMENT		(\$11,942)	(\$30,414)	(\$23,097)	(\$22,704)	(\$20,220)	(\$20,221)	(\$20,221)	(\$20,532)	(\$20,532)	(\$20,532)	(\$210,415)
	ISLAND W.T.P. R&R												
	D2/D4 TRUNK WATERMAIN UPGRADES						(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)	(\$27,415)
	BAYVIEW TRUNK WATERMAIN - PH2												
	REGENT PARK CAPITAL CONTRIBUTION		(\$784)	(\$911)	(\$1,416)	(\$830)	(\$51)	(\$71)	(\$40)				(\$4,103)
	TRANSMISSION R&R		(\$57)	(\$53)		(\$380)	(\$759)	(\$1,139)					
	WT&S PLANTWIDE		(\$53)	(\$411)	(\$805)	(\$1,588)	(\$1,062)	(\$568)	(\$899)	(\$545)	(\$622)	(\$203)	(\$6,756)
	Total Proposed Withdrawals	(\$67,654)	(\$18,665)	(\$44,683)	(\$38,996)	(\$35,989)	(\$31,034)	(\$30,725)	(\$28,714)	(\$32,342)	(\$30,771)	(\$27,789)	(\$319,708)
	Projected Contributions	\$25,579	\$26,003	\$26,353	\$26,527	\$26,795	\$26,959	\$27,498	\$28,048	\$28,609	\$29,182	\$29,765	\$275,739
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$47,488	\$54,826	\$36,496	\$24,027	\$14,833	\$10,758	\$7,531	\$6,865	\$3,132	\$1,543	\$3,519	

*Based on the 2017 Q2 Variance Report

Appendix 6 Reserve / Reserve Fund Review - Continued

Reserve / Reserve Fund – Program Specific (\$000s)

Table 2		Projected Balance as at Dec. 31, 2017*	Proposed Withdrawals										2018 - 2027 Total Contributions / Withdrawals
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	
Sanitary Sewer DC Reserve Fund	Beginning Balance	\$71,499	\$51,545	\$50,619	\$33,089	\$15,087	\$94	\$5	\$431	\$193	\$78	\$366	
	ASHBRIDGES BAY WWTP REHAB		(\$1,243)	(\$885)	(\$24)	(\$4)							(\$2,156)
XR2026 DC - Sewer (2004)	TRUNK SEWER SYSTEM			(\$778)	(\$1,867)	(\$3,800)		(\$7,000)	(\$10,300)	(\$6,400)	(\$6,500)	(\$6,500)	(\$43,145)
	HIGHLAND CREEK WWTP - ODOUR CONTROL		(\$531)	(\$530)	(\$428)	(\$5)	(\$4)	(\$34)	(\$80)	(\$523)	(\$909)	(\$849)	(\$3,893)
XR2112 DC - Sewer (2009)	ASHBRIDGES BAY T.P. - III YR2004		(\$2)										(\$2)
	HUMBER T.P. - II YR2004												
	SEWER ASSET PLANNING		(\$538)	(\$867)	(\$785)	(\$785)	(\$805)	(\$563)	(\$563)	(\$563)	(\$563)	(\$563)	(\$6,575)
	NEW SEWER CONSTRUCTION		(\$1,631)	(\$4,039)	(\$5,633)	(\$6,372)	(\$2,547)	(\$622)	(\$3,122)	(\$4,622)	(\$4,622)	(\$3,872)	(\$37,082)
	DIST SEWER REHAB OPS YR2005		(\$1)	(\$3)	(\$2)								(\$6)
	HIGHLAND CREEK TP YR2005												
	ASHBRIDGES BAY TP YR2005		(\$40)	(\$53)	(\$6)								(\$99)
	SEWER SYSTEM REHABILITATION		(\$386)	(\$554)	(\$363)	(\$6)							(\$1,309)
	SEWER REPLACEMENT PROGRAM		(\$1,120)	(\$2,284)	(\$1,636)	(\$1,418)	(\$1,209)	(\$1,207)	(\$1,207)	(\$1,207)	(\$1,207)	(\$1,207)	(\$13,702)
	ASHBRIDGES BAY T.P. YR2006			(\$8)									(\$8)
	HIGHLAND CREEK WWTP UPGRADES		(\$74)	(\$34)	(\$67)	(\$40)							(\$215)
	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		(\$242)	(\$207)	(\$482)	(\$2,189)	(\$2,173)	(\$2,173)	(\$1,368)	(\$660)	(\$650)	(\$8)	(\$10,152)
	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM		(\$4,732)	(\$8,918)	(\$10,426)	(\$8,972)	(\$8,531)	(\$4,440)	(\$3,036)	(\$2,872)	(\$5)		(\$51,932)
	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING		(\$1,415)	(\$453)					(\$129)	(\$1,530)	(\$3,865)	(\$5,474)	(\$12,866)
	ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING		(\$1,175)	(\$4,304)	(\$3,885)	(\$3,540)	(\$2,576)	(\$1,656)	(\$8)	(\$16)			(\$17,160)
	ASHBRIDGES BAY WWTP - ODOUR CONTROL		(\$436)	(\$136)	(\$68)	(\$6)							(\$646)
	HUMBER WWTP - LIQUID TREATMENT & HANDLING		(\$2,094)	(\$2,118)	(\$2,198)	(\$2,774)	(\$1,309)	(\$1,923)	(\$1,220)	(\$2,588)	(\$2,831)	(\$3,358)	(\$22,413)
	HUMBER WWTP - O&M UPGRADES			(\$31)									(\$31)
	HUMBER WWTP - ODOUR CONTROL		(\$240)	(\$80)									(\$320)
	SEWAGE PUMPING STATION UPGRADES		(\$296)	(\$476)	(\$759)	(\$853)	(\$913)	(\$652)	(\$348)	(\$700)	(\$557)	(\$503)	(\$6,157)
	DON & WATERFRONT TRUNK CSO												
	LAWRENCE ALLAN REVITALIZATION PLAN		(\$3,920)	(\$10,225)	(\$9,367)	(\$4,315)	(\$210)						(\$28,037)
	Land Acquisition for Source Water Protect				(\$2)	(\$32)	(\$134)	(\$33)					(\$201)
	Georgetown South City Infrastructure Upgrades		(\$412)	(\$412)									(\$824)
	Total Proposed Withdrawals	(\$39,236)	(\$20,528)	(\$37,395)	(\$37,998)	(\$35,191)	(\$20,411)	(\$20,303)	(\$21,381)	(\$21,681)	(\$21,709)	(\$22,334)	(\$258,931)
	Projected Contributions	\$19,282	\$19,602	\$19,865	\$19,996	\$20,198	\$20,322	\$20,729	\$21,143	\$21,566	\$21,997	\$22,437	\$207,855
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$51,545	\$50,619	\$33,089	\$15,087	\$94	\$5	\$431	\$193	\$78	\$366	\$469	

* Based on the 2017 Q2 Variance Report

Table 3		Projected Balance as at Dec. 31, 2017*	Proposed Withdrawals										2018 - 2027 Total Contributions / Withdrawals
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	
Storm Water Management DC Reserve Fund	Beginning Balance	\$16,845	\$18,733	\$13,101	\$6,744	\$1,793	\$50	\$250	\$21	\$456	\$365	\$951	
	SWIM END OF PIPE FACILITIES		(\$86)	(\$261)	(\$808)	(\$734)	(\$14)		(\$93)	(\$322)	(\$773)	(\$2,672)	(\$5,763)
XR2113 DC - SWM (2009)	WET WEATHER FLOW MP		(\$476)	(\$378)	(\$234)	(\$109)	(\$20)	(\$8)	(\$8)	(\$7)			(\$1,240)
	WESTERN BEACHES RETROFIT		(\$510)	(\$427)	(\$513)	(\$1)	(\$7)						(\$1,458)
XR2404 DC - SWM (2004)	STREAM RESTORATION & EROSION CONTROL		(\$370)	(\$567)	(\$461)	(\$339)	(\$156)	(\$98)	(\$38)	(\$15)	(\$9)	(\$6)	(\$2,059)
	SWIM TRCA FUNDING		(\$353)										(\$353)
	Land Acquisition for Source Water Protect		(\$776)	(\$64)									(\$840)
	WATERFRONT STORMWATER INFRASTRUCTURE												
	DON & WATERFRONT TRUNK CSO		(\$2,351)	(\$7,604)	(\$8,262)	(\$5,948)	(\$5,025)	(\$5,653)	(\$5,067)	(\$5,500)	(\$4,500)	(\$4,000)	(\$53,910)
	SEWER REPLACEMENT PROGRAM		(\$1,624)	(\$1,062)									(\$2,686)
	EMERY CREEK POND		(\$40)	(\$44)	(\$8)								(\$92)
	Total Proposed Withdrawals	(\$3,256)	(\$6,586)	(\$10,407)	(\$10,286)	(\$7,131)	(\$5,222)	(\$5,759)	(\$5,206)	(\$5,844)	(\$5,282)	(\$6,678)	(\$68,401)
	Projected Contributions	\$5,144	\$5,229	\$5,300	\$5,335	\$5,388	\$5,422	\$5,530	\$5,641	\$5,753	\$5,868	\$5,986	\$55,452
	Other Program / Agency Net (Withdrawals) and Contributions		(\$4,275)	(\$1,250)									(\$5,525)
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$18,733	\$13,101	\$6,744	\$1,793	\$50	\$250	\$21	\$456	\$365	\$951	\$259	

* Based on the 2017 Q2 Variance Report