Toronto 2017 BUDGET CAPITAL BUDGET NOTES



Toronto Water

2017 2026 Capital Budget and Plan Overview

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

Toronto Water has stewardship of an inventory of capital assets valued at \$28.415 billion. Toronto Water maintains two categories of capital assets, linear infrastructure, such as distribution (5,551 km) and transmission (550 km) 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 plants (4), water (18) and wastewater pumping stations (87), reservoirs, storage and detention tanks.

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

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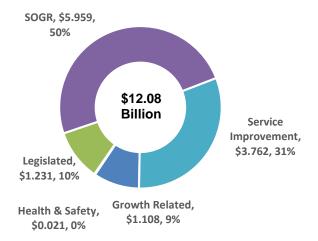
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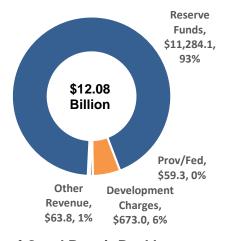
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Capital Spending and Financing 2017-2026 Capital Budget and Plan by Expenditures Category



By Funding Source



Where does the money go?

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

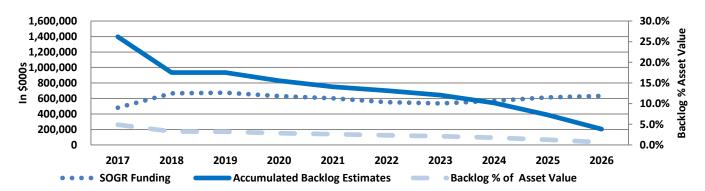
- Health and Safety, Legislated and State of Good Repair (SOGR) projects are the primary focus of the 10-Year Capital Plan. Approximately \$7.210 billion or 60% of the total funding is allocated for on-going state of good repair projects (including health and safety and legislated projects) for linear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

Where does the money come from?

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

State of Good Repair Backlog

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



Key Issues & Priority Actions

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

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

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

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

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

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

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

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

2017 Capital Budget Highlights

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

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

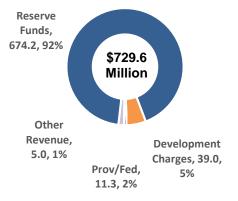




2017 Capital Budget by Project Category



By Funding Source



Actions for Consideration

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

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



Part 1:

Recommended 10-Year Capital Plan

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

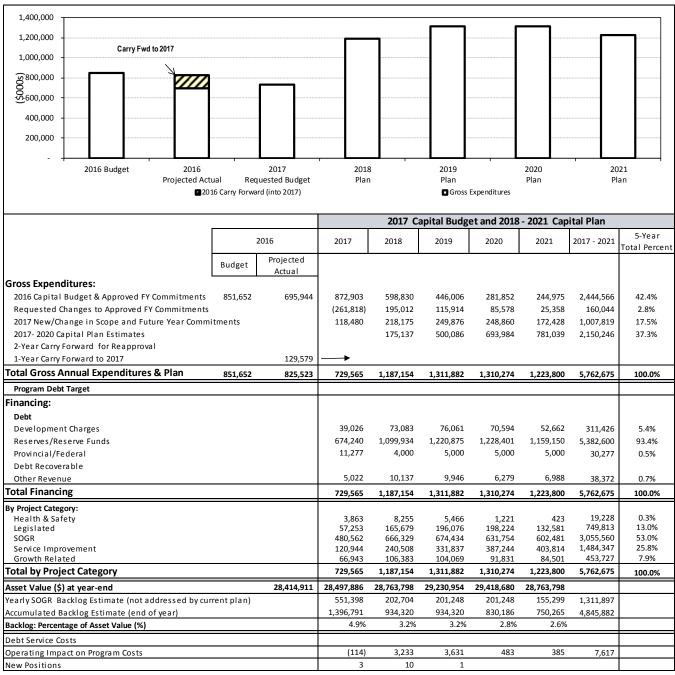
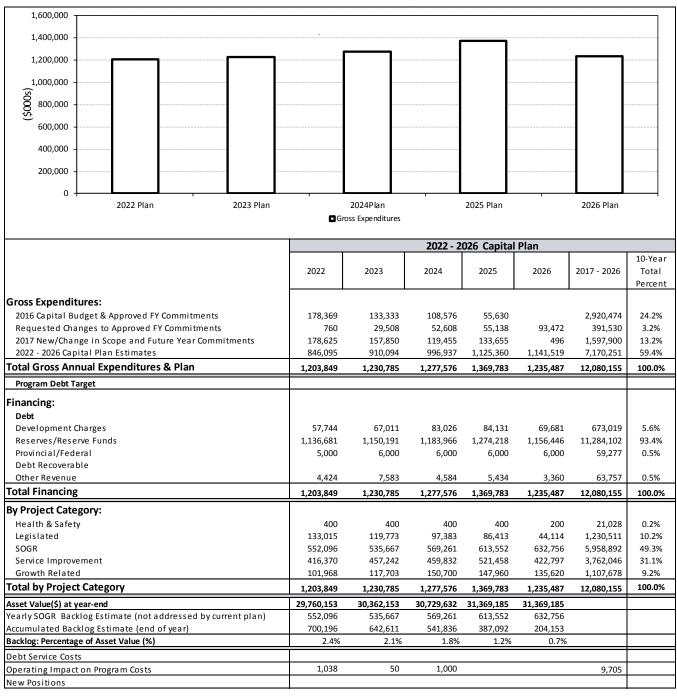


Table 1b 10-Year Capital Plan 2022 - 2026 Recommended Capital Plan

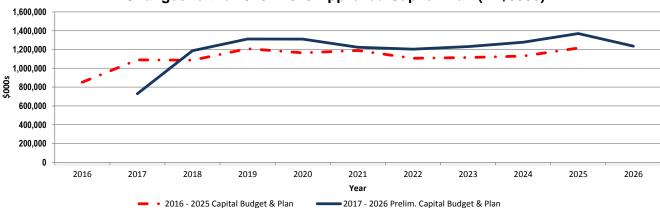


Key Changes to the 2017 - 2025 Approved Capital Plan

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

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

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



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

10-Year Total 11,156,847 12,080,155 8.3% 923,308

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

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

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

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

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



	Total												Revised
	Project	2017	2018	2019	2020	2021	2022	2023	2024	2025	2017 - 2025	2026	Total
	Cost												Project Cost
Previously Approved													
Water Treatment & Supply													
FJ Horgan TP		(1,175)	1,771	402	75		40				1,113	200	
Island TP		2,381	(3,499)	6,689	14,162	13,270	6,340	1,165	25		40,533	525	
RL Clark TP		(6,655)	2,315	9,828	4,444	110	85	50	50	50	10,277	200	
RC Harris TP		(8,066)	12,479	7,076	1,567	(487)	(9,900)	(10,500)	(500)	(1,050)	(9,381)	11,500	
WM Replacement		(10,100)	(611)	8,343	19,646	2,235	(7)	73	40		19,619	114,000	1
Trunk Water Mains		(13,224)	6,780	3,844	19,340	16,202	18,992	27,450	51,200	50,750	181,334	55,700	
WT - Storage & Treatment		(35,374)	10,002	14,214	7,495	1,816	2,931	1,617	18,670	13,820	35,191	38,000	
AMR		(2,940)	1,180	(415)	(199)	·					(2,374)		
Business & Technology		(5,414)	4,436	1,729	2,344	897	350	350			4,692	1,814	
Watermain Rehabilitation		12,357	9,748	9,803	7,555	2,475	1,777	280	(301)	267	43,961	70,510	
Watermain Service Replacement		(7,826)	8,914	14,008	7,370	6,980	8,735	11,830	11,665	11.165	72,841	44,000	
Pumping Stations		(7,569)	3,157	(737)	1.925	3,231	1,290	3.048	,	,	4,345	2,050	
Water Efficiency Plan		(),		, ,	,	-,	,				,	520	
Subtotal		(83,606)	56,672	74,784	85,724	46,729	30,633	35,363	80,849	75,002	402,150	339,019	1 -
Wastewater Collection & Treatment &				·			-						1
Stormwater Management													
Ashbridges Bay TP		(112,619)	54,139	40,856	35,562	281	(800)	48,996	34,768	45,588	146,771	123,923	
Highland Creek TP		(36,646)	(5,433)	(30,654)	(32,159)	(50,272)	3,314	45,000	36,300	20,450	(50,100)	34,850	
Humber TP		(23,074)	5,683	(565)	6,067	(13,462)	23,045	(3,669)	(7,575)	(2,331)	(15,881)	36,500	
Sewer Replacement		(13,308)	(18,867)	(23,352)	(22,476)	(28,084)	(30,000)	(30,000)	(30,000)	(30,000)	(226,087)	15,000	
Trunk Sewers & Pumping Stations		(13,124)	16,295	907	4,092	10,465	16,938	9,219	25,387	37,548	107,727	83,088	
Basement Flooding		(61,968)	(70,660)	(58,814)	(41,606)	(23,759)	(9,090)	6,560	6,560	14,806	(237,971)	195,044	
WTP-Plantwide		10	(551)	1,114	5,896	21,180	4,293	10,170	(5,480)	23,885	60,517	34,200	
WWF-Implementation Projects		(21,895)	17,376	66,487	76,395	58,134	55,609	(6,896)	(3,667)	(21,060)	220,483	131,450	
WWF-TRCA		(385)	600	350							565	16,339	1
Yards & Facility		587	1,786	650	1,650	50	(350)	(350)	(850)	(24,650)	(21,477)	22,990	
Sewer rehabiliation		5,802	2,791	9,736	1,386	2,250	2,150	300	1,350	1,100	26,865	61,236	
WWF - Stream Restoration		(4,777)	(4,791)	(465)	9,960	10,395	(3,615)	(3,115)	2,290	3,275	9,157	15,280	
Subtotal		(281,397)	(1,632)	6,250	44,767	(12,822)	61,494	76,215	59,083	68,611	20,569	769,900	
Linear Eng		(2,924)	18,052	10,002	1,035	(423)	4,499	4,150	2,900	3,056	40,347	81,568	
New Connections		8,000	22,599	8,746	8,589	8,426	8,259	8,087	7,909	7,727	88,342	36,000	
New Sewers		(545)	5,560	4,050	6,000	(8,000)	(8,000)	(8,000)	(3,000)		(11,935)	9,000	
Total Previously Approved		(360,472)	101,251	103,832	146,115	33,910	96,885	115,815	147,741	154,396	539,473	1,235,487	-
New													
Total New	-	-	-	-		-						-	-
Total Changes	-	(360,472)	101,251	103,832	146,115	33,910	96,885	115,815	147,741	154,396	539,473	1,235,487	-

Significant Capital Project Changes in Toronto Water:

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

Increases in Previously Approved Projects

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

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

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

Deferral/ Reductions in Previously Approved Capital Projects:

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

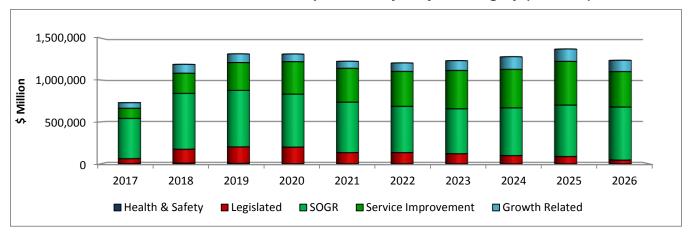
- Funding totalling \$ 9.381 million has been updated to reflect lower costs for RC Harris Water Treatment Plant projects, representing a decrease of 11%, from \$83.579 million delaying the implementation of the Filter Rehabilitation project pending the completion of a Filter Pilot project.
- Sewer System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

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

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

2017 - 2026 Recommended Capital Plan

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



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

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

The following table provides details by project category within the 2017 – 2026 Recommended Capital Budget and Plan for Toronto Water:

Table 3
Summary of Capital Plan by Project Category (In \$000s)

	Total App'd Cash Flows to Date*	2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2017 - 2026 Total	Total Project Cost
Total Expenditures by Category													
State of Good Repair (including													
Health & Safety and Legislated													
projects)		F10	1 400									1 010	
Business & Technology Linear Eng		510 69,507	1,400 89,247	84,072	73,874	63,029	66,572	61,856	65,960	68,004	75,443	1,910 717,564	
Sewer Rehabilitation		59,052	57,822	65,736	54,636	60,645	62,286	61,186	61,336	61,236	61,236	605,171	
Sewer Replacement		12,894	17,825	13,434	17,524	16,916	15,000	15,000	15,000	15,000	15,000	153,593	
WM Rehabilitation		76,223	76,166	74,140	72,877	71,625	71,415	71,398	70,537	70,510	70,510	725,401	
WM Replacement		76,690	79,779	89,912	104,140	96,494	95,000	95,000	95,000	95,000	95,000	922,015	
Water Service Replacement		28,679	48,710	48,250	44,250	44,050	46,000	46,000	46,000	45,500	44,000	441,439	
Pumping Stations		1,412	16,293	15,813	10,525	13,681	11,690	9,298	5,150	2,050	2,050	87,962	
Trunk Water Mains		13,319	12,557	3,851	14,547	25,000	27,400	21,750	25,600	25,550	25,250	194,824	
WT - Storage & Treatment		12,984	29,930	28,459	25,413	20,019	11,067	16,217	39,650	38,650	38,000	260,389	
Trunk Sewers & Pumping Stations		24,552	47,880	33,588	32,221	35,275	25,888	28,919	42,587	58,148	42,588	371,646	
Ashbridges Bay TP		44,532	204,843	284,866	258,207	211,174	186,723	170,834	130,387	132,578	122,623	1,746,767	
Highland Creek TP		22,368	30,497	33,076	19,563	6,065	15,164	25,600	28,030	20,350	18,700	219,413	
Humber TP		53,015	64,865	50,976	50,495	35,836	30,850	13,650	9,000	34,094	36,500	379,281	
RL Clark TP		10,921	15,590	11,452	4,654	260	235	200	200	200	200	43,912	
RC Harris TP		11,553	17,563	7,657	2,410	713	1,250	1,000	11,000	11,500	11,500	76,146	
FJ Horgan TP	216,071	3,016	3,049	550	1,102	785	684	202	202	200	200	9,990	226,06
Island TP		13,391	11,101	9,304	17,932	15,225	6,875	1,550	550	375	525	76,828	
WWF-Implementation Projects		1,032	7,479	8,892	10,685	4,315	3,586	1,900	1,900	980	980	41,749	
WWF - Stream Restoration		5,783	7,419	11,065	14,660	12,645	6,195	12,795	17,470	18,955	15,280	122,267	
Yards & Facility		245	248	883	1,484	1,733	1,631	1,485	1,485	1,485	1,485	12,164	
Sub-Total	216,071	541,678	840,263	875,976	831,199	735,485	685,511	655,840	667,044	700,365	677,070	7,210,431	226,06
	210,071	341,078	040,203	873,370	031,199	733,403	003,311	033,840	007,044	700,303	077,070	7,210,431	220,00
Service Improvements													
Water Meter Program (AMR)	237,058	4,040	3,180	500	346							8,066	234,684
Basement Flooding		51,817	95,348	121,144	138,707	160,358	180,000	195,000	195,000	195,000	195,044	1,527,418	
Basement Flooding - Subsidy		- ,-	,	,		,	,	,	,	,	, .	-	
Business & Technology		8,713	18,774	18,257	13,805	5,792	3,014	3,084	2,769	2,714	1,814	78,736	
Linear Eng		862	3,300	3,535	6,975	6,675	6,975	6,975	6,975	6,475	5,975	54,722	
Sewer Replacement		5,401										5,401	
WM Replacement												-	
Pumping Stations		14	214									228	
Trunk Water Mains		-	866	2,107	1,850	241	92					5,156	
WT - Storage & Treatment		8,211	10,040	10,371	1,813	13	14					30,462	
Trunk Sewers & Pumping Stations												-	
Ashbridges Bay TP		1,622	9,175	7,170	3,905	7,760	6,695	1,060	20,000	40,000	1,300	98,687	
Highland Creek TP		2,990	19,441	18,430	28,396	41,708	39,285	65,000	52,050	20,200	16,150	303,650	
Humber TP		1,376	3,077	6,705	5,500	918	20					17,596	
RC Harris TP		874	5,972	1,699	1,007							9,552	
FJ Horgan TP		1,784	2,625	2,230	10	10						6,659	
Island TP		606	1,326	1,222	665	42.000	24 400	25 405	17 200	E 4 705	24.200	3,819	
WTP-Plantwide		1,560	5,974	12,759	32,921	43,000	31,198	25,485	17,280	54,785	34,200	259,162	
WWF-Implementation Projects WWF-TRCA		15,564 12,775	43,837 13,382	109,012	134,635 14,104	122,115 14,219	134,135	144,075 15,958	149,071 16,082	185,470 16,209	130,470 16,339	1,168,384 147,746	
WWF - Stream Restoration		12,775	13,382	14,341	14,104	14,219	14,337	13,938	10,082	10,209	10,339	147,746	
Yards & Facility		2,707	3,977	2,355	2,605	1,005	605	605	605	605	21,505	36,574	
		2,707	3,317	2,333	2,003	1,003	003	003	003	003	21,303		
Sub-Total	237,058	120,944	240,508	331,837	387,244	403,814	416,370	457,242	459,832	521,458	422,797	3,762,046	234,684
Growth Related		·											
Linear Eng		1,015	650	300	150	150	150	150	150	150	150	3,015	
New Connections		35,000	35,200	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	358,200	
New Sewers		7,085	14,240	15,230	7,000	1,000	1,000	1,000	6,000	9,000	9,000	70,555	
WM Replacement		18,108	32,295	29,349	26,350	18,412	17,833	18,073	18,040	19,000	19,000	216,460	
Pumping Stations		2,417	6,300	6,265	3,928	2,128						21,038	
Trunk Water Mains		2,220	13,361	13,475	10,633	11,631	16,950	33,450	49,070	42,770	30,450	224,010	
WT - Storage & Treatment		146	1,597	430	3,650	5,260	3,250	2,110	20	20	-	16,483	
Trunk Sewers & Pumping Stations		331	855	1,100	2,750	9,300	26,150	26,400	40,900	40,500	40,500	188,786	
Ashbridges Bay TP		25	1,000	500	250							1,775	
Highland Creek TP		-	190	800	500							1,490	
FJ Horgan TP		51	75			===	40				===	166	
Water Efficiency Plan		520	520	520	520	520	520	520	520	520	520	5,200	
WWF-Implementation Projects		25	100	100	100	100	75					500	
Sub-Total		66,943	106,383	104,069	91,831	84,501	101,968	117,703	150,700	147,960	135,620	1,107,678	-
Total Expenditures by Category	_	55,543	200,000	20 7,003	51,051	3 7,301	101,500		200,700	2.7,500	203,020	2,207,073	

2017 - 2026 Capital Projects

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

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

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

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

Service Improvements

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

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

Growth Related

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

2017 Capital Budget and Future Year Commitments

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

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

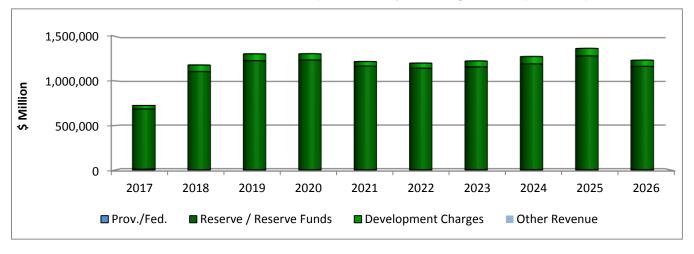
Table 3a 2017 Cash Flow & Future Year Commitments (In \$000s)

											Total 2017 Cash Flow &
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	FY Commits
Expenditures:											
Previously Approved	0.214	2.000	015	F 4 F							11 774
Water Meter Program (AMR)	8,314	2,000	915	545	E0 420	60.020	26.720	15 500	10		11,774
Basement Flooding	108,557	82,119 13,831	84,532	64,893 9,624	58,430	60,030	36,730	15,509	10		510,810 56,750
Business & Technology Linear Eng	17,920 48,534	42,380	14,691 32,434		574 10,121	110 1,000	500	500	500		161,332
New Connections	27,000	7,500	32,434	25,363	10,121	1,000	300	300	300		34,500
New Sewers	8,190	7,500	10,180		8,000	8,000	8,000	8,000	8,000		66,050
Sewer Rehabilitation	44,033	18,831	10,100		8,000	8,000	8,000	8,000	8,000		62,864
Sewer Replacement	16,610	6,692	1,786								25,088
WM Rehabilitation	62,742	15,079	1,780	2							77,838
WM Replacement	48,357	26,085	7,318	44	71	40					81,915
Water Service Replacement	43,583	10,736	7,318	44	71	40					54,321
Pumping Stations	15,147	19,550	22,365	7,278	4,278	3,100	50	50			71,818
Trunk Water Mains	28,957	7,004	539	290	200	3,100	30	30			36,990
WT - Storage & Treatment	63,074	30,225	11,146	1,831	26						106,302
Trunk Sewers & Pumping Stations	44,616	27,490	13,681	279	10						86,076
Ashbridges Bay TP	147,223	85,839	107,090	81,910	83,213	78,378	51,908	45,779	35,000		716,340
Highland Creek TP	72,166	54,311	42,710	17,968	15,795	4,385	3,450	6,380	5,000		222,165
Humber TP	84,715	57,849	54,421	48,498	47,991	4,850	10,894	2,150	3,000		311,368
RL Clark TP	17,870	13,275	1,474	60	47,551	4,650	10,034	2,130			32,679
RC Harris TP	20,113	8,406	780	750	200						30,249
FJ Horgan TP	6,619	3,778	2,078	162	20	9					12,666
Island TP	13,496	15,776	3,462	3,910	1,580	10	10				38,244
WTP-Plantwide	1,190	600	1,200	1,400	800	1,000	500	100			6,790
Water Effeciency Plan	520	000	1,200	1,400	000	1,000	300	100			520
WWF-Implementation Projects	37,838	27,875	21,657	12,345	11,416	14,307	18,191	27,088	6,600		177,317
WWF-TRCA	1,470	400	,,		,	,		,	2,222		1,870
WWF - Stream Restoration	10,763	12,210	11,530	4,700	2,250	3,150	3,100	3,020	520		51,243
Yards & Facility	2,865	1,309	11,550	.,, 00	2,230	3,130	3,200	3,020	520		4,174
Subtotal	1,002,482	598,830	446,006	281,852	244,975	178,369	133,333	108,576	55,630		3,050,053
Change in Scope		000,000	,			2.0,000			00,000		0,000,000
Water Meter Program (AMR)	(2,940)	1,180	(415)	(199)							(2,374)
Basement Flooding	(57,047)	(36,920)	(42,597)	(15,761)	240	(9,130)	13,308	36,421	27,956	100	(83,430)
Business & Technology	(6,394)	2,456	1,499	2,324	677	350	350	,	·		1,262
Linear Eng	25,598	19,342	11,507	800	(658)	3,864	2,989	1,339	795	3,139	68,715
New Connections	8,000	27,700									35,700
New Sewers	(545)	5,560	2,050	5,000	(8,000)	(8,000)	(8,000)	(8,000)	(8,000)		(27,935)
Sewer Rehabilitation	19,852	37,491	24,236	1,736	1,700	1,700	150	, , ,	, , ,		86,865
Sewer Replacement	(1,956)	4,820	175	1,916	1,916	·					6,871
WM Rehabilitation	15,022	57,087	24,575	9,575	4,575	450	30	27			111,341
WM Replacement	(13,618)	(1,398)	5,859	8,687	1,423	(40)					913
Water Service Replacement	(14,826)	17,074	11,448	2,200							15,896
Pumping Stations	(7,569)	3,157	(737)	2,925	3,231	1,290	3,048				5,345
Trunk Water Mains	(12,174)	5,830	3,894	2,090	52	92					(216)
WT - Storage & Treatment	(35,444)	8,912	21,484	10,495	3,056	31	17				8,551
Trunk Sewers & Pumping Stations	(14,499)	17,835	7,102	1,833	29						12,300
Ashbridges Bay TP	(70,579)	20,684	16,096	6,362	17,331	(14,600)	19,346	24,293	33,813	77,883	130,629
Highland Creek TP	(36,647)	(4,183)	9,096	19,591	5,478	2,064	1,750	1,050	200	11,950	10,349
Humber TP	(23,074)	7,943	(3,140)	(6,653)	(22,492)	15,070	(244)	150	394		(32,046)
RL Clark TP	(6,655)	2,315	9,778	4,394	60	35					9,927
RC Harris TP	(6,866)	14,929	5,926	17	13	150					14,169
FJ Horgan TP	(1,175)	1,971	402	75	-	40					1,313
Island TP	2,381	(3,499)	6,689	14,162	13,270	6,190	65	25			39,283
WTP-Plantwide	(640)	425	(475)	(550)	(375)	(500)	275	350	500	400	(590)
Water Effeciency Plan	-	520	520	35							1,075
WWF-Implementation Projects	(23,213)	(5,689)	11,014	19,015	5,624	4,854	(476)	(27)			11,102
WWF-TRCA	11,890	600	350								12,840
WWF - Stream Restoration	(7,912)	(11,921)	(11,530)	(4,700)	(2,250)	(3,150)	(3,100)	(3,020)	(520)		(48,103)
Yards & Facility	(788)	791	1,108	209	458						1,778
Subtotal	(261,818)	195,012	115,914	85,578	25,358	760	29,508	52,608	55,138	93,472	391,530

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

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

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

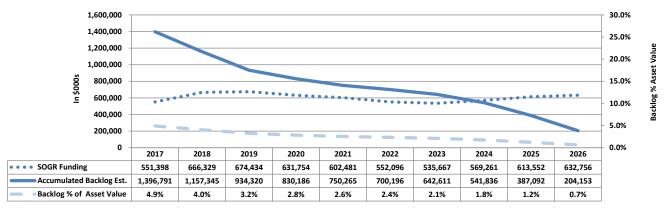


- Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% funded and does not require debenture financing.
- The 10-Year Recommended Capital Plan of \$12.080 billion will be funded primarily from the Program's reserves, representing approximately 93% or \$11.284 billion of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

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

State of Good Repair (SOGR) Backlog

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



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

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

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

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

10-Year Capital Plan: Net Operating Budget Impact

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

	Net Operating Impact Summary (In \$000s)													
		Budget	201	8 Plan	2019	Plan	2020	Plan	202:	l Plan	2017 - 2			- 2026
Projects	\$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)											
Ashbridges Bay WWTP - D			, ,											
Building Phase 2					165.0						165.0		165.0	
Basement Flooding Releif -														
Tunnel Project							100.0				100.0		100.0	
Basement Flooding Releif - Group 2			288.0	3.0							288.0	3.0	288.0	3.0
Highland Creek WWTP -			288.0	3.0							200.0	3.0	200.0	3.0
Building Rehab &														
Improvements			32.0								32.0		32.0	
Laboratory Equipment														
(Warranty Expiry)	26.0		20.0		25.0		35.0		15.0		121.0		221.0	
Highland Creek WWTP - Odour														
Control					100.0						100.0		100.0	
Ashbridges Bay WWTP -					50.0						50.0		50.0	
Service Air Upgrades					50.0						50.0		50.0	
CCTV Inspection	85.0	1.0									85.0	1.0	85.0	1.0
Sewer Replacement Program -														
Waterfront Stormwater														
Infrastructure	101.9	1.0	320.0	3.0							421.9	4.0	421.9	4.0
Highland Creek WWTP - Proces														
& Facility Upgrades					5.0						5.0		5.0	
Highland Creek WWTP -					400						400		400	
Communication Systems					10.0						10.0		10.0	
Humber Treatment WWTP -														
New Substation			104.0	1.0							104.0	1.0	104.0	1.0
nen sabstation			201.0	1.0							10.10	1.0	10110	2.0
Highland Creek WWTP -Solids														
& Gas Handling	52.0										52.0		52.0	
Ashbridges Bay WWTP - Liquid														
Treatment & Handling -														
Primary Treatment Upgrade			1,370.8	2.0							1,370.8	2.0	1,370.8	2.0
Ashbridges Bay WWTP - Liquid														
Treatment & Handling - Waste							/							
Activated Sludger Upgrade			360.0				(360.0)						700.0	
Ashbridges Dov WATE O S M														
Ashbridges Bay WWTP - O & M Upgrades					161.0	1.0	(12.0)				149.0	1.0	149.0	1.0
Opgrades					101.0	1.0	(12.0)				145.0	1.0	145.0	1.0
Ashbridges Bay WWTP - Odour														
Control - Biofilters Upgrade			100.0								100.0		100.0	
Humber Treatment WWTP - Co-														
generation	(703.1)	1.0									(703.1)	1.0	(703.1)	1.0
Water Quality Master Plan -														
Taste and Odour Control			760.0		3,000.0						3,760.0		3,760.0	
Island M/TD Chamital 0														
Island WTP - Chemical & Residuals Management	143.7		58.0	1.0							201.7	1.0	201.7	1.0
Residuals Mallagement	143.7		36.0	1.0							201.7	1.0	201.7	1.0
Water Treatment Plantwide -														
UV Desinfection									120.0		120.0		408.0	
New Projects - Future Years														
SWM End of Pipe Facilities -														
Etobicoke									50.0		50.0		50.0	
Wet Weather Flow Master					445.0						445.0		445.0	
Plan Ashbridges Bay WWTP -					115.0						115.0		115.0	
Desinfection Construction							720.0		200.0		920.0		920.0	
Ashbridges Bay WWTP - Liquid							. 20.0				520.0		320.0	
Treatment & Handling -														
Integrated Pumping Station													1,000.0	
T-4-1(N-4)	14		2 222 5		2 624 5		400		207				0	
Total (Net)	(114.5)	3.0	3,232.8	10.0	3,631.0	1.0	483.0		385.0		7,617.3	14.0	9,705.3	14.0

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

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

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

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



Part 2:

Issues for Discussion

Issues for Discussion

Issues Impacting the 2017 Capital Budget

2017 Water Consumption Forecast

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

Water Rate Increases & Reserve Balances

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

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

Issues Impacting the 10-Year Capital Plan

State of Good Repair (SOGR) Backlog

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

Basement Flooding

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

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

Stream Restoration and Critical Erosion Projects

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

Funding Pressures for Stormwater Management

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

Other Challenges

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

Issues Referred to the 2017 Capital Budget Process

TRCA Unfunded Projects:

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

TRCA: Unmet Needs - Projects Excluded due to Funding Constraints

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

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

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

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



Appendices

Appendix 1 2016 Performance

2016 Key Accomplishments

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

Water Treatment & Supply

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

Wastewater Collection and Treatment

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

Stormwater Management

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

2016 Financial Performance

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

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

^{*} Based on 2016 Q2 Capital Variance Report

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

http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2016.EX17.16

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

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

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

Appendix 2

Table 10 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan (\$000s)

Project	Total Project Cost	Prior Year Carry Forward	2017	2018	2019	2020	2021	2017 - 2021	2022	2023	2024	2025	2026	2017 - 2026 Total
Health & Safety:														
Ashbridges Bay TP		779	2,709	5,142	2,756	1,198		12,584						
Humber TP		577	1,154	3,113	2,710	23	423	8,000	400	400	400	400	200	9,800
Sub-Total		1,356	3,863	8,255	5,466	1,221	423	20,584	400	400	400	400	200	22,384
Legislated:														
Water Service Replacement		11,078	27,179	47,210	48,250	44,250	44,050	222,017	46,000	46,000	46,000	45,500	44,000	449,517
Pumping Stations		1,985	724	5,324	4,844	9,500	11,656	34,033	9,690	7,298	3,150	50	50	54,271
WT - Storage & Treatment		4	100	100	100			304						304
Ashbridges Bay TP		2,394	2,766	91,625	126,977	122,007	60,475	406,244	64,575	55,100	37,658	35,513	64	599,154
Highland Creek TP		23	13,478	9,300	10,205	7,817	1,550	42,373	6,550	11,300	10,550	5,350		76,123
Humber TP		5,427	1,028	6,610				13,065						13,065
RL Clark TP		42	427	2,833	700			4,002						4,002
Island TP		29	11,551	2,677	5,000	14,650	14,850	48,757	6,200	75	25			55,057
Sub-Total		20,982	57,253	165,679	196,076	198,224	132,581	770,795	133,015	119,773	97,383	86,413	44,114	1,251,493
State of Good Repair:														
Business & Technology			510	1,400				1,910						1,910
Linear Eng		2,933	69,507	89,247	84,072	73,874	63,029	382,662	66,572	61,856	65,960	68,004	75,443	720,497
Sewer Rehabilitation		4,833	59,052	57,822	65,736	54,636	60,645	302,724	62,286	61,186	61,336	61,236	61,236	610,004
Sewer Replacement		1,216	12,894	17,825	13,434	17,524	16,916	79,809	15,000	15,000	15,000	15,000	15,000	154,809
WM Rehabilitation		1,541	76,223	76,166	74,140	72,877	71,625	372,572	71,415	71,398	70,537	70,510	70,510	726,942
WM Replacement		1,122	76,690	79,779	89,912	104,140	96,494	448,137	95,000	95,000	95,000	95,000	95,000	923,137
Water Service Replacement			1,500	1,500				3,000						3,000
Pumping Stations		393	688	10,969	10,969	1,025	2,025	26,069	2,000	2,000	2,000	2,000	2,000	36,069
Trunk Water Mains		2,762	13,319	12,557	3,851	14,547	25,000	72,036	27,400	21,750	25,600	25,550	25,250	197,586
WT - Storage & Treatment		5,733	12,884	29,830	28,359	25,413	20,019	122,238	11,067	16,217	39,650	38,650	38,000	265,822
Trunk Sewers & Pumping Stations		6,185	24,552	47,880	33,588	32,221	35,275	179,701	25,888	28,919	42,587	58,148	42,588	377,831
Ashbridges Bay TP		29,799	39,057	108,076	155,133	135,002	150,699	617,766	122,148	115,734	92,729	97,065	122,559	1,168,001
Highland Creek TP		8,860	8,890	21,197	22,871	11,746	4,515	78,079	8,614	14,300	17,480	15,000	18,700	152,173
Humber TP		1,337	50,833	55,142	48,266	50,472	35,413	241,463	30,450	13,250	8,600	33,694	36,300	363,757
RL Clark TP		252	10,494	12,757	10,752	4,654	260	39,169	235	200	200	200	200	40,204
RC Harris TP		658	11,553	17,563	7,657	2,410	713	40,554	1,250	1,000	11,000	11,500	11,500	76,804
FJ Horgan TP		519	3,016	3,049	550	1,102	785	9,021	684	202	202	200	200	10,509
Island TP		1,822	1,840	8,424	4,304	3,282	375	20,047	675	1,475	525	375	525	23,622
WWF-Implementation Projects		713	1,032	7,479	8,892	10,685	4,315	33,116	3,586	1,900	1,900	980	980	42,462
WWF - Stream Restoration		158	5,783	7,419	11,065	14,660	12,645	51,730	6,195	12,795	17,470	18,955	15,280	122,425
Yards & Facility		-	245	248	883	1,484	1,733	4,593	1,631	1,485	1,485	1,485	1,485	12,164
Sub-Total		70,836	480,562	666,329	674,434	631,754	602,481	3,126,396	552,096	535,667	569,261	613,552	632,756	6,029,728
Service Improvements:														
Water Meter Program (AMR)		1,334	4,040	3,180	500	346		9,400						9,400
Basement Flooding		20,030	51,817	95,348	121,144	138,707	160,358	587,404	180,000	195,000	195,000	195,000	195,044	1,547,448
Business & Technology		3,283	8,713	18,774	18,257	13,805	5,792	68,624	3,014	3,084	2,769	2,714	1,814	82,019
Linear Eng		90	862	3,300	3,535	6,975	6,675	21,437	6,975	6,975	6,975	6,475	5,975	54,812
Sewer Replacement		41	5,401					5,442						5,442
Pumping Stations		374	14	214				602						602
Trunk Water Mains		302		866	2,107	1,850	241	5,366	92					5,458
WT - Storage & Treatment		1,022	8,211	10,040	10,371	1,813	13	31,470	14					31,484
Ashbridges Bay TP		678	1,622	9,175	7,170	3,905	7,760	30,310	6,695	1,060	20,000	40,000	1,300	99,365
Highland Creek TP		1,269	2,990	19,441	18,430	28,396	41,708	112,234	39,285	65,000	52,050	20,200	16,150	304,919
Humber TP		909	1,376	3,077	6,705	5,500	918	18,485	20					18,505
RC Harris TP		162	874	5,972	1,699	1,007		9,714						9,714
FJ Horgan TP		50	1,784	2,625	2,230	10	10	6,709						6,709
Island TP		29	606	1,326	1,222	665	,	3,848		22	4			3,848
WTP-Plantwide		90	1,560	5,974	12,759	32,921	43,000	96,304	31,198	25,485	17,280	54,785	34,200	259,252
WWF-Implementation Projects		1,609	15,564	43,837	109,012	134,635	122,115	426,772	134,135	144,075	149,071	185,470	130,470	1,169,993
WWF-TRCA		585	12,775	13,382	14,341	14,104	14,219	69,406	14,337	15,958	16,082	16,209	16,339	148,331
WWF - Stream Restoration		17	28					45					2	45
Yards & Facility		500	2,707	3,977	2,355	2,605	1,005	13,149	605	605	605	605	21,505	37,074
Sub-Total		32,374	120,944	240,508	331,837	387,244	403,814	1,516,721	416,370	457,242	459,832	521,458	422,797	3,794,420
Growth Related:														
Linear Eng		135	1,015	650	300	150	150	2,400	150	150	150	150	150	3,150
New Connections		-	35,000	35,200	36,000	36,000	36,000	178,200	36,000	36,000	36,000	36,000	36,000	358,200
New Sewers		560	7,085	14,240	15,230	7,000	1,000	45,115	1,000	1,000	6,000	9,000	9,000	71,115
WM Replacement		1,260	18,108	32,295	29,349	26,350	18,412	125,774	17,833	18,073	18,040	19,000	19,000	217,720
Pumping Stations		983	2,417	6,300	6,265	3,928	2,128	22,021	4	22	40.00			22,021
Trunk Water Mains		180	2,220	13,361	13,475	10,633	11,631	51,500	16,950	33,450	49,070	42,770	30,450	224,190
WT - Storage & Treatment		230	146	1,597	430	3,650	5,260	11,313	3,250	2,110	20	20	-	16,713
Trunk Sewers & Pumping Stations		424	331	855	1,100	2,750	9,300	14,760	26,150	26,400	40,900	40,500	40,500	189,210
Ashbridges Bay TP		225	25	1,000	500	250		2,000						2,000
Highland Creek TP		10	-	190	800	500		1,500						1,500
		24	51	75				150	40			l	l	190
FJ Horgan TP														
FJ Horgan TP Water Efficiency Plan			520	520	520	520	520	2,600	520	520	520	520	520	5,200
FJ Horgan TP Water Efficiency Plan WWF-Implementation Projects			25	100	100	100	100	425	75					500
FJ Horgan TP Water Efficiency Plan		4,031 129,579					100 84,501		75 101,968	117,703 1,230,785	150,700	147,960	135,620	500 1,111,709

Appendix 3

2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Wa	ter Pr	ogram																						
							Curr	ent and F	uture Year	Cash Flov	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flow	v Commit	ments F	inanced	Ву		
	ritySub	ject No. Project Name Proj No. Sub-project Name HORGAN W.T.P. EXPANSION	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current (Other 1	Other2	Reco	ebt - verable	Total Financing
0		PLANT EXPANSION - DESIGN & CONSTI ADMIN	R CW	S2	05	24	0	0	0	0	24	0	24	C)	0 8	0	8	0	0	8	0	0	24
0	38	PLANT EXPANSION - DESIGN & CONSTI ADMIN- 2017 SC	R CW	S3	05	51	75	0	0	0	126	0	126	C)	0 40	0	46	0	0	40	0	0	126
0	39	PLANT EXPANSION - CONSTRUCTION- 2017 SC	CW	S3	05	0	0	0	0	0	0	40	40	C)	0 13	0	14	0	0	13	0	0	40
		Sub-total				75	75	0	0	0	150	40	190	0	1	0 61	0	68	0	0	61	0	0	190
WAT	000014	WATER STORAGE EXPANSION																						
0	1	DUFFERIN RES. EXT DESIGN AND CONT. ADMIN	CW	S2	05	18	0	0	0	0	18	0	18	C)	0 11	0	7	0	0	0	0	0	18
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	50	0	0	0	0	50	0	50	C)	0 21	0	10	0	0	19	0	0	50
0	52	MILLIKEN PS&RESERVOIR-DESIGN&CONT	CW	S3	05	0	37	0	0	0	37	0	37	C)	0 15	0	8	0	0	14	0	0	37
0	53	DUFFERIN RES. EXT. DESIGN AND CON ADMIN- 2017 SC	IT CW	S3	05	-17	0	0	0	0	-17	0	-17	C)	0 -10	0	-7	0	0	0	0	0	-17
		Sub-total				51	37	0	0	0	88	0	88	0		0 37	0	18	0	0	33	0	0	88
WAT	000018	CLARK RESIDUE MGMT. FACILITIES																						
0	24	RESIDUALS RETROFITS AND UPGRADE	ES CW	S2	02	1,036	425	0	0	0	1,461	0	1,461	C)	0 0	0	1,461	0	0	0	0	0	1,461
0	29	RESIDUALS RETROFITS AND UPGRADES-2017 SC	CW	S3	02	-567	2,408	700	0	0	2,541	0	2,541	C)	0 0	0	2,541	0	0	0	0	0	2,541
		Sub-total				469	2,833	700	0	0	4,002	0	4,002	0		0 0	0	4,002	0	0	0	0	0	4,002
WAT	000021	WATER EFFICIENCY PROGRAM																						
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	0	0	0	0	300	0	300	C)	300	0	0	0	0	0	0	0	300
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	0	0	0	0	150	0	150	C)	0 150	0	0	0	0	0	0	0	150
0	12	ANCILLARY COSTS	CW	S2	05	70	0	0	0	0	70	0	70	C)	0 70	0	0	0	0	0	0	0	70
0	82	WEP - FUTURE -ICI	CW	S6	05	0	0	0	485	520	1,005	2,600	3,605	C)	3,605	0	0	0	0	0	0	0	3,605
0	91	ICI INDOOR WATER AUDIT- 2017 SC	CW	S3	05	0	300	300	0	0	600	0	600	C)	0 600	0	0	0	0	0	0	0	600
0	92	PUBLIC EDUCATION & PROMOTIONS- 2017 SC	CW	S3	05	0	150	150	0	0	300	0	300	()	300	0	0	0	0	0	0	0	300
0	93	ANCILLARY COSTS- 2017 SC	CW	S3	05	0	70	70	35	0	175	0	175	C)	0 175	0	0	0	0	0	0	0	175
		Sub-total				520	520	520	520	520	2,600	2,600	5,200	0		5,200	0	0	0	0	0	0	0	5,200
WAT	000363	ENGINEERING STUDIES																						
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	296	0	0	0	0	296	0	296	C)	0 0	0	207	0	0	89	0	0	296

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Water Program

vva	Water Program Current and Future Year Cash Flow Commitments Current and Future Year Cash Flow Commitments Financed By																							
								Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cu	rrent and I	Future Yea	ar Cash Fl	ow Comm	itments	Financed E	Зу	
<u>Sub</u> Prio			Project Name Sub-project Name	Vard ·	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	nt Reserve	Reserve s Funds		Other 1	Other2	Debt - Recoverab Debt	e Total Financing
WAT	000363	ENGINEE	RING STUDIES																					
0	18	CONTRO ABATEME	LLED SUBSTANCES ID AND ENT	CW	S2	02	200	200	0	0	0	400	0	400	C) () (0 (400) () (0	0	0 400
0	31	ENERGY	EFFICIENCY IMPLEMENTATION	CW	S2	04	105	125	0	0	0	230	0	230	С) () (0 () 230) () (0	0	0 230
0	38	CORROS	ION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	С) () (0 () 4	.) (0	0) 4
0	65		ER AND TONNER CONNECTION EMENTS AT WTP	CW	S2	04	915	730	105	5	0	1,755	0	1,755	С) () (0 (1,755	5 C) (0	0	0 1,755
0	70		FORECAST/SOGR FUNDING	CW	S6	03	0	0	50	50	50	150	250	400	C) () (0 (400) () (0	0	0 400
0	72	IMPRO - \	ER&TONNER CONNECTION WTP-2017 SC	CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	С) () (0 () -1,755	5 0) (0	0	0 -1,755
0	73	ABATEME	LLED SUBSTANCES ID AND ENT- 2017 SC	CW		02	-100	-100	100	0	0	-100	0	-100	С) () (0 () (0	0	-100
0	74	2017 SC	EFFICIENCY IMPLEMENTATION-			04	25	-8	0	0	0	17	0	17	С) 17				0	0 17
0	75	IMPROVE SC	ED TREATMENT STUDIES- 2017	CW	S3	04	-136	152	0	0	0	16	0	16	0			0 (-	0	0 16
	Sub-total						394	369	150	50	50	1,013	250	1,263	0	() () (1,169	9 0) (94	0	0 1,263
WAT	906334	BUSINES	S SYSTEM INFRASTRUCTURE - I	<u>PW</u>																				
0	9	TRUNK R	ADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	С) () (0 (400) () (0	0	0 400
0	12	PCS LEG	ACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	С) () (0 (200) C) (0	0	0 200
0	23	RELIABIL	ITY IMPROVEMENT PROGRAM	CW	S2	04	795	400	0	0	0	1,195	0	1,195	C) () (0 (1,195	5 0) (0	0	0 1,195
0	41	SCADA U	PGRADES FOR WWT	CW	S2	04	5,206	5,760	7,160	4,200	50	22,376	110	22,486	С) () (0 (22,486	6 C) (0	0	0 22,486
0	42	PCS UPG	RADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	C) () (0 () 492	2 0) (0	0	0 492
0	43		S & TECHNICAL EMENTS - 10 YEAR PLAN	CW	S6	04	0	257	407	407	1,711	2,782	6,665	9,447	С) () (0 (9,447	7 C) (0	0	0 9,447
0	61	RELIABIL FUTURE	ITY IMPROVEMENT PROGRAM - YEARS	CW	S6	04	0	0	0	0	200	200	1,000	1,200	С) () (0 (1,200) C) (0	0	0 1,200
0	67	SCADA U	PGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	C) () (0 (3,503	3 C) (0	0	0 3,503
0	83	NETWOR	K IMPROVEMENTS - 10 YEAR	CW	S6	04	0	1,650	1,230	1,230	2,410	6,520	4,920	11,440	С) () (0 (11,440) C) (0	0	0 11,440
0	85	NETWOR	K IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	C) () (0 (2,586	6 0) (0	0	0 2,586
0	86	BLANKET	CONTRACT MGMT TOOL	CW	S4	04	50	150	0	0	0	200	0	200	C) () (0 (200) () (0	0	0 200
0	87	PCS UPG	RADES 2017	CW	S4	04	210	210	210	0	0	630	0	630	C) () (0 (630) () (0	0	0 630
0	88	TRUNK R	ADIO - EQUIPMENT	CW	S4	03	500	1,400	0	0	0	1,900	0	1,900	С) () (0 (1,900) C) (0	0	1,900

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Water Program

		- 3																							
						Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
<u>Su</u> Pri		<u>ject No.</u> <u>Project Name</u> pProj No. Sub-project Name	Ward	Stat.	. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Developmer Charges	nt Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing	
WA	T906334	BUSINESS SYSTEM INFRASTRUCTURE	<u> - PW</u>																						
0	90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	() ()	0 0	10	0	C	0 0	0	0	10	
0	91	PCS LEGACY ALARM IMPROVEMENT - 2017 SC	CW	S3	04	166	65	65	0	0	296	0	296	() ()	0 0	296	0	C	0 0	0	0	296	
0	92	RELIABILITY IMPROVEMENT PROGRAM 2017 SC	M- CW	S3	04	-585	-50	200	200	0	-235	0	-235) ()	0 0	-235	0	C	0 0	0	0	-235	
0	93	SCADA UPGRADES FOR WWT- 2017 SC	c cw	S3	04	-2,651	546	1,765	890	150	700	-50	650	() ()	0 0	650	0	C	0 0	0	0	650	
0	94	SCADA UPGRADES FOR WWT - II - 2017 SC	7 CW	S3	04	-718	570	260	184	0	296	0	296) ()	0 0	296	0	(0 0	0	0	296	
0	95	NETWORK IMPROVEMENTS- 2017 SC	CW	S3	04	-1,016	964	0	0	0	-52	0	-52) ()	0 0	-52	0	(0 0	0	0	-52	
0	96	PCS UPGRADES FOR WATER SUPPLY- 2017 SC	CW	S3	04	-12	0	0	0	0	-12	0	-12) ()	0 0	-12	0	(0 0	0	0	-12	
0	97	SCADA SOFTWARE	CW	S4	04	220	220	220	220	220	1,100	0	1,100	() ()	0 0	1,100	0	C	0 0	0	0	1,100	
		Sub-total				7,566	13,082	11,967	7,731	4,741	45,087	12,645	57,732	С) C) (0 0	57,732	0	(0 0	0	0	57,732	
WA	T906340	METERING & METER READING SYS																							
0	2	AUTOMATED METER READING SYSTEM	м cw	S2	04	8,314	2,000	915	545	0	11,774	0	11,774	() C)	0 0	11,774	0	C	0 0	0	0	11,774	
0	18	AUTOMATED METER READING SYSTEM 2017 SC	M- CW	S3	04	-2,940	1,180	-415	-199	0	-2,374	0	-2,374	() ()	0 0	-2,374	0	(0 0	0	0	-2,374	
		Sub-total				5,374	3,180	500	346	0	9,400	0	9,400	C) () (0 0	9,400	0	C) 0	0	0	9,400	
WA	T906467	AVENUE ROAD TRUNKMAIN REPLACE	MENT_																						
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	92	0	0	0	0	92	0	92	() () 4	6 0	29	0	C) 17	0	0	92	
0	29	JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	() C)	5 0	3	0	() 2	0	0	10	
0	30	JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 2017 SC	CW	S3	03	221	500	0	0	0	721	0	721	() (36	3 0	224	0	C	134	0	0	721	
		Sub-total				323	500	0	0	0	823	0	823	C) C	414	4 0	256	0	C	153	0	0	823	
WA.	T906468	HORGAN TRUNK MAIN EXPANSION																							
0	44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	0	1,000	10,000	11,000	12,000	23,000	() (8,72	9 0	14,271	0	C	0 0	0	0	23,000	
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S6	05	0	850	700	650	620	2,820	1,140	3,960	() (1,50	5 0	2,455	0	C	0 0	0	0	3,960	
		Sub-total				0	850	700	1,650	10,620	13,820	13,140	26,960	С) C	10,23	4 0	16,726	0	C) 0	0	0	26,960	
WA	T906470	ISLAND W.T.P. R&R																							
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	cw	S2	02	723	340	400	400	80	1,943	20	1,963	() ()	0 0	1,963	0	C	0 0	0	0	1,963	
0	11	CHEMICAL & RESIDUALS MANAGEMEN CONST	NT CW	S2	02	2,000	7,400	2,500	3,500	1,500	16,900	0	16,900	() (1,02	8 0	15,872	0	C	0 0	0	0	16,900	

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

				J - ,																			
Water	Program																						
						Curre	ent and Fu	ture Year	Cash Flov	v Commitr	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	Project No. Project Name				0047	0040	2242	2222	2224	Total	Total	Total	Provincial Grants and	Federal	Development Charges	Reserves	Reserve	Capital from			Del Recov		I I Otal
	SubProj No. Sub-project Name 470 ISLAND W.T.P. R&R	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Subsidies	Subsidy	Charges	110301103	runas	Current	Other 1	Other2	Debt		Financing
0 30	 -	CW	S3	02	-143	1,160	600	250	770	2,637	280	2,917	C) (0 0	0	2,917	0	0	0	0	0	2,917
0 31		CW	S3	02	9,000	-6,223	1,500	10,500	12,500	27,277	6,000	33,277	c) (2,023	0	31,254	0	0	0	0	0	33,277
	Sub-total			-	11,580	2,677	5,000	14,650	14,850	48,757	6,300	55,057	0	(0 3,051	0	52,006	0	0	0	0	0	55,057
WAT906	481 DISTRICT WATERMAINS - NEW																					\dashv	
0 1	NEW WM	CW	S2	05	515	0	0	0	0	515	0	515	С) (0 515	0	0	0	0	0	0	0	515
0 3	NEW WM - 10 YEAR	CW	S6	05	0	0	500	500	500	1,500	2,500	4,000	С) (0 4,000	0	0	0	0	0	0	0	4,000
0 15	5 NEW WM - 2017 SC	CW	S3	05	-500	500	0	0	0	0	0	0	c) (0 0	0	0	0	0	0	0	0	0
	Sub-total				15	500	500	500	500	2,015	2,500	4,515	0	(0 4,515	0	0	0	0	0	0	0	4,515
WAT906	483 PW ENGINEERING																					\dashv	
0 2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,946	3,200	585	0	0	7,731	0	7,731	C) (0 0	0	7,731	0	0	0	0	0	7,731
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	1,482	591	145	0	0	2,218	0	2,218	c) (0 554	0	786	0	0	878	0	0	2,218
0 7	EASEMENT ACQUISITION	CW	S2	04	500	0	0	0	0	500	0	500	С) (0 0	0	500	0	0	0	0	0	500
0 22	2 WATER LOSS REDUCTION STRATEGY	CW	S2	03	621	1,338	1,000	1,000	0	3,959	0	3,959	c) (0 0	0	3,959	0	0	0	0	0	3,959
0 37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,090	1,000	1,000	1,000	1,000	5,090	2,500	7,590	С) (1,898	0	5,692	0	0	0	0	0	7,590
0 38	B WATERMAIN ASSET PLANNING - 10 YEAR	R CW	S6	04	0	0	535	975	675	2,185	2,375	4,560	С) (0 1,142	0	3,418	0	0	0	0	0	4,560
0 52	2 JOS UPDATE PHASE II	CW	S2	05	1,135	500	0	0	0	1,635	0	1,635	С) (0 818	0	-1	0	0	818	0	0	1,635
0 53	B EASEMENT ACQUISITION - 10 YEAR	CW	S6	04	0	0	500	500	500	1,500	2,500	4,000	С) (0 0	0	4,000	0	0	0	0	0	4,000
0 64	WATERMAIN ASSET PLANNING-2017 SC	CW	S3	03	-737	1,519	1,310	1,050	1,055	4,197	2,000	6,197	С) (0 1,551	0	2,193	0	0	2,453	0	0	6,197
0 65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	CW	S3	04	-785	300	0	0	0	-485	1,000	515	С) (0 128	0	387	0	0	0	0	0	515
0 66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	CW	S3	03	-2,074	457	2,415	585	0	1,383	0	1,383	c) (0 0	0	1,383	0	0	0	0	0	1,383
0 67	EASEMENT ACQUISITION- 2017 SC	CW	S3	04	0	500	0	0	0	500	0	500	c) (0 0	0	500	0	0	0	0	0	500
0 68	WATER LOSS REDUCTION STRATEGY- 2017 SC	CW	S3	03	-211	-472	418	0	1,000	735	0	735	C) (0 0	0	735	0	0	0	0	0	735
0 69	JOS UPDATE PHASE II- 2017 SC	CW	S3	05	-135	0	150	0	0	15	0	15	С) (0 7	0	1	0	0	7	0	0	15
	Sub-total				4,832	8,933	8,058	5,110	4,230	31,163	10,375	41,538	0	(0 6,098	0	31,284	0	0	4,156	0	0	41,538
WAT906	749 DOWNTOWN W/M ENHANCEMENT																						

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Water Program

						Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
<u>Su</u> Pri		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del Recov Debt		Total Financing	
	Г906749																								
0	1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	26	0	0	0	0	26	0	26	c) (5	0	1	0	0	20	0	0	26	
0	4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	С) (904	0	163	0	0	3,472	0	0	4,539	
0	45	JOS - GERRARD ST WM - ENGINEERING- 2017 SC	- CW	S3	03	-12	10	0	0	0	-2	0	-2	C) (0	0	-1	0	0	-1	0	0	-2	
0	46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	С) (904	0	-163	0	0	-3,472	0	0	-4,539	
		Sub-total				14	10	0	0	0	24	0	24	0	(5	0	0	0	0	19	0	0	24	
WA	Г906752	TRANSMISSION R&R																							
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	С) (0	0	500	0	0	0	0	0	500	
0	50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	250	250	1,250	1,500	C) (0	0	1,500	0	0	0	0	0	1,500	
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,354	360	102	69	0	9,885	0	9,885	c) (0	0	9,885	0	0	0	0	0	9,885	
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	2,061	84	14	0	0	2,159	0	2,159	C) (0	0	2,159	0	0	0	0	0	2,159	
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	5,500	2,650	0	0	0	8,150	0	8,150	C) (0	0	8,150	0	0	0	0	0	8,150	
0	74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	CW	S3	03	-724	1,164	231	19	0	690	0	690	C) (0 0	0	690	0	0	0	0	0	690	
0	75	TRUNK WATERMAIN REHAB- 2017 SC	CW	S3	03	114	4	260	253	0	631	0	631	C) (0	0	631	0	0	0	0	0	631	
0	76	CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	CW	S3	03	-1,011	835	144	6	0	-26	0	-26	c) (0 0	0	-26	0	0	0	0	0	-26	
0	77	CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	CW	S3	03	-2,300	2,100	200	0	0	0	0	0	С) (0	0	0	0	0	0	0	0	0	
		Sub-total				13,244	7,447	951	347	250	22,239	1,250	23,489	0	(0	0	23,489	0	0	0	0	0	23,489	
WA	Г906900	TRANSMISSION R&R																							
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	750	0	0	0	1,500	0	1,500	С) (0	0	1,500	0	0	0	0	0	1,500	
0	7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	1,000	5,500	5,500	12,000	57,000	69,000	c) (0	0	69,000	0	0	0	0	0	69,000	
0	26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	145	0	0	0	0	145	0	145	c) (0 0	0	145	0	0	0	0	0	145	
0	27	EGLINTON PS - PUMP REPLC	CW	S2	03	228	0	0	0	0	228	0	228	C) (0	0	228	0	0	0	0	0	228	
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	17,353	7,913	7	0	0	25,273	0	25,273	С) (0	0	25,273	0	0	0	0	0	25,273	
0	43	DOWNSVIEW PS - Construction	CW	S6	05	0	1,000	0	3,000	5,000	9,000	5,000	14,000	С) (0	0	14,000	0	0	0	0	0	14,000	
0	44	PUMPING STATION REHAB - Engineering	CW	S6	03	0	0	0	250	100	350	10,450	10,800	С) (0	0	10,800	0	0	0	0	0	10,800	

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

				Curre	ent and Fu	iture real	Cash Flow	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
roject No. Project Name ubProj No. Sub-project Name	Ward S	Stat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal _I Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2			Total Financing
0 TRANSMISSION R&R																					
PUMPING STATION REHAB - Construction	on CW	S6 03	0	0	2,000	4,500	4,500	11,000	58,500	69,500	0	0	0	0	69,500	0	0	0	0	0	69,500
ROSEHILL RESERVOIR	CW	S2 03	11,479	10,500	4,600	0	0	26,579	0	26,579	0	0	0	0	26,579	0	0	0	0	0	26,579
DOWNSVIEW PS & CONNECTOR EA	CW	S2 05	410	0	0	0	0	410	0	410	0	0	0	0	410	0	0	0	0	0	410
PARKDALE PS REHABILITATION	CW	S2 03	3,580	1,757	21	0	0	5,358	0	5,358	0	0	0	0	5,358	0	0	0	0	0	5,358
ROSEHILL PS REHAB	CW	S2 03	1,786	2,786	1,144	11	11	5,738	0	5,738	0	0	0	0	5,738	0	0	0	0	0	5,738
PUMP REPLACEMENTS	CW	S2 03	900	900	100	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
TRANS FACILITIES REHAB - 10 YEAR	CW	S6 03	0	0	750	750	750	2,250	3,000	5,250	0	0	0	0	5,250	0	0	0	0	0	5,250
RESERVOIR REHAB - PHASE 2 - ENG	CW	S4 03	200	250	300	650	350	1,750	2,150	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
PS REHAB - PHASE 2 - ENG	CW	S4 03	500	400	600	1,000	500	3,000	2,000	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000
ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	CW	S3 03	-9,003	-63	8,113	10	17	-926	0	-926	0	0	0	0	-926	0	0	0	0	0	-926
ROSEHILL RESERVOIR-2017 SC	CW	S3 03	-9,229	270	5,750	10,150	3,019	9,960	34	9,994	0	0	0	0	9,994	0	0	0	0	0	9,994
PARKDALE PS REHABILITATION-2017 S	SC CW	S3 03	-2,385	2,593	2,404	329	8	2,949	0	2,949	0	0	0	0	2,949	0	0	0	0	0	2,949
SCARBOROUGH PS - PUMP REPLC- 20 SC	17 CW	S3 03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
EGLINTON PS - PUMP REPLC- 2017 SC	CW	S3 03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
DOWNSVIEW PS & CONNECTOR EA- 2017 SC	CW	S3 05	-85	280	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195
ROSEHILL PS REHAB- 2017 SC	CW	S3 03	33	0	20	13	14	80	0	80	0	0	0	0	80	0	0	0	0	0	80
DOWNSVIEW PS - Engineering	CW	S6 05	0	280	430	650	260	1,620	400	2,020	0	0	0	0	2,020	0	0	0	0	0	2,020
Sub-total			16,692	29,616	27,239	26,813	20,029	120,389	138,534	258,923	0	0	0	0	258,923	0	0	0	0	0	258,923
12 HARRIS W.T.P. R&R																					
FACILITY & PROCESS UPGRADES	CW	S2 03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
HVAC REHAB CONSTRUCTION	CW	S2 03	2,766	847	0	0	0	3,613	0	3,613	0	0	0	0	3,613	0	0	0	0	0	3,613
HARRIS FILTERS REHABILITATION - PILOT	CW	S2 03	3,620	722	0	0	0	4,342	0	4,342	0	0	0	0	4,342	0	0	0	0	0	4,342
REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2 03	9,579	5,384	23	0	0	14,986	0	14,986	0	0	0	0	14,986	0	0	0	0	0	14,986
FILTER MEDIA UPGRADE - FUTURE	CW	S6 03	0	150	0	150	0	300	150	450	0	0	0	0	450	0	0	0	0	0	450
	JoProj No. Sub-project Name TRANSMISSION R&R PUMPING STATION REHAB - Construction ROSEHILL RESERVOIR DOWNSVIEW PS & CONNECTOR EA PARKDALE PS REHABILITATION ROSEHILL PS REHAB PUMP REPLACEMENTS TRANS FACILITIES REHAB - 10 YEAR RESERVOIR REHAB - PHASE 2 - ENG PS REHAB - PHASE 2 - ENG ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC ROSEHILL RESERVOIR-2017 SC PARKDALE PS REHABILITATION-2017 SC SCARBOROUGH PS - PUMP REPLC- 2017 SC EGLINTON PS - PUMP REPLC- 2017 SC DOWNSVIEW PS & CONNECTOR EA- 2017 SC ROSEHILL PS REHAB- 2017 SC DOWNSVIEW PS - Engineering Sub-total HARRIS W.T.P. R&R FACILITY & PROCESS UPGRADES HVAC REHAB CONSTRUCTION HARRIS FILTERS REHABILITATION - PILOT REHAB OF SETTLING BASIN ROOF & SLUICE GATES	Deproy No. Sub-project Name Ward So TRANSMISSION R&R PUMPING STATION REHAB - Construction CW ROSEHILL RESERVOIR CW DOWNSVIEW PS & CONNECTOR EA CW PARKDALE PS REHABILITATION CW ROSEHILL PS REHAB CW TRANS FACILITIES REHAB - 10 YEAR CW RESERVOIR REHAB - PHASE 2 - ENG CW PS REHAB - PHASE 2 - ENG CW ST CLAIR RESERVOIR REHAB/WATER CW ROSEHILL RESERVOIR REHAB/WATER CW ST CLAIR RESERVOIR REHAB/WATER CW ACCEPTAGE COMPANY ROSEHILL RESERVOIR-2017 SC CW PARKDALE PS REHABILITATION-2017 SC CW SCARBOROUGH PS - PUMP REPLC- 2017 CW SC EGLINTON PS - PUMP REPLC- 2017 SC CW DOWNSVIEW PS & CONNECTOR EA-2017 SC CW DOWNSVIEW PS & CONNECTOR EA-2017 SC CW DOWNSVIEW PS - Engineering CW Sub-total HARRIS FILTERS REHABILITATION CW HARRIS FILTERS REHABILITATION CW PILOT REHAB OF SETTLING BASIN ROOF & CW SULVICE GATES PUMP REPLAC- CONSTRUCTION CW REHAB OF SETTLING BASIN ROOF & CW SULVICE GATES CW	International Designation International Designation	### Proj No. Sub-project Name	Deb Deb	Deciding Deciding	Debta Debt	DeProj No. Sub-project Name Ward Stat. Cat. 2017 2018 2019 2020 2021	DiPProj No. Sub-project Name	DIPPYON NO. Sub-project Name	Diffor No. Sub-project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-202 2022-2026 2017	DeProj No. Sub-project Name	Description Description	Pumping Parameter Paramete	##POR NO. SUD-PROJECT Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2020 2017-202	## APPRION No. Sub-project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2002 201	Project Name Proj		Product Name Prod	Part Part	Project Name

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

							Curr	ent and Fι	ture Year	Cash Flov	v Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments I	Financed	Ву		
	roject No. Project Na ubProj No. Sub-proje		Ward s	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	^t Reserves	Reserve Funds	Capital from Current	Other 1	Other2		bt - erable	Total Financing
WAT90690	02 HARRIS W.T.P. R&R																							
0 71	FACILITY & PROCESS FUTURE	S UPGRADES -	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	C) C) (0	4,000	0	C	0	0	0	4,000
0 79	EXTERIOR SECURITY UPGRADES	Y LIGHTING	CW	S2	03	0	100	550	550	0	1,200	0	1,200	C) () (0	1,200	0	C	0	0	0	1,200
0 80	FACILITY INFRASTRU	JCTURE REHAB	CW	S6	03	0	0	1,000	1,000	0	2,000	0	2,000	С) C) (0	2,000	0	C	0	0	0	2,000
0 81	LIQUID CHEMICAL SY	/STEM	CW	S2	04	1,450	1,148	7	0	0	2,605	0	2,605	С) C) (0	2,605	0	C	0	0	0	2,605
0 85	HARRIS FILTERS REI	HABILITATION	CW	S6	03	0	0	0	0	0	0	33,450	33,450	С) С) (0	33,450	0	C	0 0	0	0	33,450
0 98	HERITAGE MASONRY ARCHITECTURAL RE		CW	S2	03	200	200	200	200	200	1,000	0	1,000	С) C) (0	1,000	0	C	0 0	0	0	1,000
0 99	CONTROL ROOM RE	LOCATION	CW	S2	04	593	0	0	0	0	593	0	593	С) C) (0	593	0	C	0	0	0	593
0 100	EMERGENCY STAND	BY POWER	CW	S2	04	895	5	0	0	0	900	0	900	c) C) (0	900	0	C	0	0	0	900
0 102	PHONE SYSTEM UPO	GRADE	CW	S2	03	510	0	0	0	0	510	0	510	C) C) (0	510	0	C	0	0	0	510
0 109	REHAB OF SETTLING &SLUICE GATES-201		CW	S3	03	-279	2,931	78	10	13	2,753	0	2,753	C) C) (0	2,753	0	C	0	0	0	2,753
0 110	HARRIS FILTERS REI PILOT-2017 SC	HABILITATION -	CW	S3	03	-2,970	2,906	65	0	0	1	0	1	C) C) (0	1	0	C	0	0	0	1
0 111	CONTROL ROOM RE	LOCATION-2017 SC	CW	S3	04	-518	525	0	0	0	7	0	7	С) () (0	7	0	C	0	0	0	7
0 112	TRAVELLING SCREE UPGRADE-2017 SC	NS 3 & 5	CW	S3	03	0	300	450	0	0	750	0	750	С) С) (0	750	0	C	0	0	0	750
0 113	PHONE SYSTEM UPO	SRADE-2017 SC	CW	S3	03	-510	70	510	0	0	70	0	70	С) С) (0	70	0	C	0	0	0	70
0 114	FACILITY & PROCESS SC	S UPGRADES- 2017	CW	S3	03	0	500	0	0	0	500	0	500	С) С) (0	500	0	C	0	0	0	500
0 115	HVAC REHAB CONST	RUCTION- 2017 SC	CW	S3	03	-1,205	3,453	4,281	0	0	6,529	0	6,529	С) С) (0	6,529	0	C	0	0	0	6,529
0 116	LIQUID CHEMICAL SY IMPROVEMENTS- 20		CW	S3	04	-989	3,249	137	7	0	2,404	0	2,404	C) C) (0	2,404	0	C	0	0	0	2,404
0 117	HERITAGE MASONR' RESTORATION-2017		CW	S3	03	0	0	0	0	0	0	150	150	С) C) (0	150	0	C	0	0	0	150
0 118	EMERGENCY STAND	BY POWER- 2017 SC	C CW	S3	04	-395	995	405	0	0	1,005	0	1,005	C) () (0	1,005	0	C	0	0	0	1,005
0 119	ENERGY OPTIMIZATI	ON	CW	S6	04	0	50	1,150	1,000	0	2,200	0	2,200	С) C) (0	2,200	0	. C	0	0	0	2,200
MATOOCC	Sub-total	• D				13,247	23,535	9,356	3,417	713	50,268	36,250	86,518	0	С) C	0	86,518	0	C	0	0	0	86,518
vvA190690	03 FJ HORGAN W.T.P. R	<u> </u>																						
0 5	FACILITY & PROCESS		CW	S2	03	516	0	0	0	0	516	0	516	C			0				0	0	0	516
0 8	RAW WATER PUMP (JGRADES	CW	S2	03	469	0	0	0	0	469	0	469	C) C) (0	469	0	C	0	0	0	469

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Gross Expenditures (\$000's)

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

Water Program **Current and Future Year Cash Flow Commitments Current and Future Year Cash Flow Commitments Financed By** Debt Capital Federal Development Charnes Reserves Funds Total Total Sub- Project No. Project Name Total Reserve from Recoverable Total Grants and 2017 2018 2019 2020 2021 2022-2026 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2017-202 2017-2026 Other 1 Other 2 Debt WAT906903 FJ HORGAN W.T.P. R&R 5,136 0 15 REPLACEMENT OF MCCS CW S2 0.3 2,315 2,400 250 152 10 5,127 5,136 n Ω n 0 5 136 n n 0 28 FACILITY & PROCESS UPGRADES -CW S6 03 0 200 200 200 600 1,000 1,600 1,600 0 1,600 FUTURE 4,075 BUILDING FIRE, HVAC, LIGHTING 4,075 4,075 0 31 CW S2 04 855 1,375 1.825 10 10 Ω 0 0 4.075 0 0 0 0 32 ELEC GROUNDING SYSTEM & BULK CW S2 550 3 556 556 556 0 0 0 556 04 3 0 CHEM LINI OADING IMPRO 33 OFFICE RENOVATION CW S6 03 0 n 100 675 575 1,350 479 1,829 0 0 0 1,829 0 0 0 1,829 0 34 TREATED WATER PUMP UPGRADES CW S2 04 1.890 n 0 O 1,890 Ω 1,890 n Ω Ω 0 1.890 n O n 0 1,890 53 FACILITY & PROCESS UPGRADES- 2017 CW S3 240 613 0 0 853 853 0 853 0 0 0 853 REPLACEMENT OF MCCS- 2017 SC CW S3 54 0 54 03 -57 36 0 75 54 54 n Ω Ω Ω 54 n 0 0 RAW WATER PUMP UGRADES- 2017 SC CW S3 52 52 52 52 0 52 **ELEC GROUNDING SYS & STANDBY** 56 CW S3 -500 527 277 304 304 304 0 0 304 0 04 Ω n Ω Ω Ω n POWER OPTIMI- 2017 SC -364 -364 57 TREATED WATER PUMP UPGRADES-CW S3 04 -364 0 0 0 -364 0 -364 0 0 0 2017 SC BUILDING FIRE, HVAC, LIGHTING 248 0 58 CW S3 04 -597 720 125 0 248 248 0 0 0 0 248 n 0 0 0 UPGRADES- 2017 SC 1,488 17,218 17,218 Sub-total 5,369 5,674 2,780 1,112 15,730 0 0 0 0 17,218 0 0 0 0 WAT906906 TRUNK WATERMAIN EXPANSION JOS WM SCAR PS TO ST CLAIR AND CW S2 05 784 450 173 21 1,428 1,428 684 420 324 0 1,428 MIDLAND - ENG 66 JOS - WM Scar PS to St. Clair&Midland CW S4 2,000 12,000 12,000 34,000 34,000 34,000 0 0.5 8.000 n Ω 16.289 Ω 9 987 n Ω 7.724 0 JOS WM from Scar PS to St.Clair&Midland 52 0 69 CW S3 -384 61 202 162 52 52 0 26 0 14 0 0 12 0 **ENG 2017SC** 2.400 12.511 12.375 8,183 35.480 35.480 16.999 10,421 8.060 35,480 0 0 Ω n Sub-total 0 Ω WAT906914 SWITCH GEAR TRANSFORMER INDOOR/OUTDOOR SWITCHGEAR CW S2 3,913 3,913 3,913 0 3,913 13 03 n Ω 0 n Ω n Ω 3 913 n 0 (PHASE 3) INDOOR/OUTDOOR SWITCHGEAR 10,200 19,600 19,600 29 S6 03 500 1,500 2,200 5,200 9,400 19,600 (PHASE 4) INDOOR/OUTDOOR SWITCHGEAR -389 -389 0 30 CW S3 03 -1,6631.274 0 0 -389 0 0 0 0 -389 Ω 0 0 0 (PHASE 3)- 2017 SC 2,250 1,774 1,500 2,200 5,200 12,924 10,200 23,124 0 0 0 0 23,124 0 0 0 0 23,124 WAT906917 TRANSMISSION OPERATIONS OPTIMIZER TRANSMISSION OPERATIONS CW S2 04 257 200 457 457 219 238 457 OPTIMIZER

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		ogram																					
							Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cur	rent and Fu	iture Year	Cash Flow	Commitr	ments F	inanced E	Зу	
Sub- Prior		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds C	Capital from Current C	Other 1	Other2	Debt - Recoverabl Debt	Total Financing
WATS	06917	TRANSMISSION OPERATIONS OPTIMIZE	<u>R</u>																				
0	12	TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	CW	S3	04	-7	20	0	0	0	13	0	13	0	0	0	0	-63	0	0	76	0	13
		Sub-total				250	220	0	0	0	470	0	470	0	0	0	0	156	0	0	314	0	470
WATS	06918	WATER SUSTAINABILITY PROGRAM																					
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	0	0	1,055	0	11,081	0	0	5,227	0	17,363
0	12	STANDBY POWER - ROSEHILL	CW	S2	04	3,344	4,344	5,167	1,815	15	14,685	0	14,685	0	0	882	0	9,397	0	0	4,406	0	14,685
0	19	WATER SUSTAINABILITY STANDBY POWER-ELLESMERE2017SC	CW	S3	04	-12,041	5,187	5,269	10	0	-1,575	0	-1,575	0	0	-95	0	-1,005	0	0	-475	0	-1,575
0	20	STANDBY POWER - ROSEHILL- 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	0	0	-1	0	-11	0	0	-6	0	-18
		Sub-total				8,693	9,551	10,371	1,813	13	30,441	14	30,455	0	0	1,841	0	19,462	0	0	9,152	0	30,455
WATS	06919	RL CLARK W.T.P. R&R																					
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	300
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,264	480	1,392	60	0	3,196	0	3,196	0	0	195	0	3,001	0	0	0	0	3,196
0	12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	200	200	200	600	1,000	1,600	0	0	0	0	1,600	0	0	0	0	1,600
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	15,112	12,215	82	0	0	27,409	0	27,409	0	0	1,667	0	25,742	0	0	0	0	27,409
0	44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	308	5	0	0	0	313	0	313	0	0	0	0	313	0	0	0	0	313
0	68	PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC	CW	S3	03	-904	130	-892	1,394	60	-212	35	-177	0	0	-12	0	-165	0	0	0	0	-177
0	69	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC	CW	S3	03	-5,300	-500	9,950	3,000	0	7,150	0	7,150	0	0	434	0	6,716	0	0	0	0	7,150
0	70	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	50	50	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	100
0	71	EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	CW	S3	03	66	227	20	0	0	313	0	313	0	0	0	0	313	0	0	0	0	313
		Sub-total				10,746	12,757	10,752	4,654	260	39,169	1,035	40,204	0	0	2,284	0	37,920	0	0	0	0	40,204
WATS	06930	DIST W/M REPLACEMENT																					
0	4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	0	65,250	95,000	95,000	255,250	475,000	730,250	0	0	113,588	0	616,662	0	0	0	0	730,250
0	14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	5
0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4
0	29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	0	0	0	0	113	0	0	0	0	113
0	39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1

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

				ĺ		Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
PrioritySu	oject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovers Debt	ble	Total Financing
WAT90693	0 DIST W/M REPLACEMENT																						
0 42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	0	11,600	15,300	17,100	44,000	89,300	133,300	C	0	41,469	0	91,831	0	0	0	0	0	133,300
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	C	0	0	0	402	0	0	0	0	0	402
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	400	0	0	0	0	400	0	400	C	0	0	0	400	0	0	0	0	0	400
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	() 0	0	0	3,045	0	0	0	0	0	3,045
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	C	0	2	0	3	0	0	0	0	0	5
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,691	155	0	0	0	4,846	0	4,846	C	0	754	0	4,092	0	0	0	0	0	4,846
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	C	0	105	0	233	0	0	0	0	0	338
0 73	DIST W/M REPLACEMENT - 2016	CW	S2	03	19,562	8,427	0	0	0	27,989	0	27,989	C	0	4,352	0	23,637	0	0	0	0	0	27,989
0 74	WATERMAIN UPGRADES - 2016	CW	S2	05	3,470	1,840	0	0	0	5,310	0	5,310	C	0	1,652	0	3,658	0	0	0	0	0	5,310
0 82	DIST W/M REPLACEMENT - 2015-2017 S	c cw	S3	03	-3,738	741	0	0	0	-2,997	0	-2,997	C	0	-467	0	-2,530	0	0	0	0	0	-2,997
0 83	DIST W/M REPLACEMENT - 2017	CW	S4	03	51,296	15,598	7,272	0	0	74,166	0	74,166	C	0	11,533	0	62,633	0	0	0	0	0	74,166
0 84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	C	0	4,592	0	10,169	0	0	0	0	0	14,761
0 85	DIST W/M REPLACEMENT - 2018	CW	S6	03	0	53,522	15,292	7,646	0	76,460	0	76,460	C	0	11,890	0	64,570	0	0	0	0	0	76,460
0 86	WATERMAIN UPGRADES - 2018	CW	S6	05	0	13,406	3,830	1,915	0	19,151	0	19,151	C	0	5,959	0	13,192	0	0	0	0	0	19,151
0 87	2010 WM REPLC- 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	C	0	0	0	1	0	0	0	0	0	1
0 88	DIST W/M REPLC - 2012- 2017 SC	CW	S 3	03	90	0	0	0	0	90	0	90	C	0	0	0	90	0	0	0	0	0	90
0 89	2013 WM REPLC - SOGR- 2017 SC	CW	S 3	03	10	0	0	0	0	10	0	10	C	0	0	0	10	0	0	0	0	0	10
0 90	2013 WM REPLC - UPGRADES- 2017 SC	CW	S 3	05	0	101	0	0	0	101	0	101	C	0	31	0	70	0	0	0	0	0	101
0 91	DIST W/M REPLACEMENT - 2014- 2017 SC	CW	S 3	03	-401	255	0	0	0	-146	0	-146	C	0	40	0	-186	0	0	0	0	0	-146
0 92	WATERMAIN UPGRADES - 2014- 2017 S	c cw	S3	05	-400	0	0	0	0	-400	0	-400	C	0	0	0	-400	0	0	0	0	0	-400
0 93	WATERMAIN REPLACEMENT - METROLINX- 2017 SC	CW	S3	03	-712	-649	724	1,494	1,494	2,351	0	2,351	C	0	0	0	2,351	0	0	0	0	0	2,351
0 94	WATERMAIN UPGRADES - 2015- 2017 S	c cw	S3	05	-191	0	0	0	0	-191	0	-191	C	0	-59	0	-132	0	0	0	0	0	-191
0 95	DIST W/M REPLACEMENT - 2016- 2017 SC	CW	S3	03	3,443	-1,270	374	0	0	2,547	0	2,547	C	0	396	0	2,151	0	0	0	0	0	2,547

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						Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	Future Yea	r Cas	h Flow Cor	mmitmer	ts Fin	anced B	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	^t Reserves	Rese	Capit erve from nds Curre		r1 O	Other2 I	Debi Recove Debt	rable	Total Financing
WAT906	930 DIST W/M REPLACEMENT																							
0 96	WATERMAIN UPGRADES - 2016- 2017 SC	c cw	S3	05	1,086	-255	0	0	0	831	0	831	C) (258	3 0		573	0	0	0	0	0	831
	Sub-total				90,853	95,823	106,818	121,355	113,594	528,443	564,300	1,092,743	0		196,095	5 0	896	5,648	0	0	0	0	0	1,092,743
WAT906	932 DIST W/M REHABILITATION																						\exists	
0 3	10 YEAR WATERMAIN REHABILITATION	CW	S6	03	0	4,000	45,250	59,000	62,750	171,000	332,363	503,363	С) () (0 0	503	,363	0	0	0	0	0	503,363
0 4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	C) () (0	2	2,193	0	0	0	0	0	2,193
0 6	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	C) () (0	66	5,964	0	0	0	0	0	66,964
0 7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	c) () (0 0	5	5,748	0	0	0	0	0	5,748
0 30	CUT REPAIR	CW	S2	03	2,933	0	0	0	0	2,933	0	2,933	С) () (0 0	2	2,933	0	0	0	0	0	2,933
0 34	CUT REPAIR - FUTURE	CW	S6	03	0	0	4,300	4,300	4,300	12,900	21,500	34,400	С) () (0 0	34	,400	0	0	0	0	0	34,400
0 50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	С) () (0 0		127	0	0	0	0	0	127
0 51	CUT REPAIR-2017 SC	CW	S3	03	367	3,300	0	0	0	3,667	0	3,667	С) () (0 0	3	,667	0	0	0	0	0	3,667
0 52	WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	03	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	c) () (0 0	96	5,580	0	0 1	11,277	0	0	107,857
0 54	CATHODIC PROTECTION- 2017 SC	CW	S3	03	-1,198	888	0	0	0	-310	0	-310	C) () (0 0		-310	0	0	0	0	0	-310
	Sub-total				77,764	76,166	74,140	72,877	71,625	372,572	354,370	726,942	0	() 0	0	715	,665	0	0	11,277	0	0	726,942
WAT906	934 DIST WATER SERVICE REPAIR																						\neg	
0 4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM	CW	S6	02	0	2,900	7,800	12,000	12,000	34,700	60,000	94,700	С) () (0 0	94	,700	0	0	0	0	0	94,700
0 6	10 YR WATER SERVICE REPAIR - SOGR	CW	S6	02	0	0	10,000	15,000	18,000	43,000	90,000	133,000	c) () (0 0	133	,000	0	0	0	0	0	133,000
0 12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	18,219	5,000	0	0	0	23,219	0	23,219	c) () (0 0	23	,219	0	0	0	0	0	23,219
0 19	2010 WSR	CW	S2	02	5	0	0	0	0	5	0	5	c) () (0 0		5	0	0	0	0	0	
0 32	WSR CUT REPAIR	CW	S2	03	1,750	0	0	0	0	1,750	0	1,750	c) () (0 0	1	,750	0	0	0	0	0	1,750
0 39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	35	0	0	0	0	35	0	35	c) () (0 0		35	0	0	0	0	0	35
0 41	2013 WSR	CW	S2	02	11	0	0	0	0	11	0	11	c) () (0		11	0	0	0	0	0	11
0 45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	0	4,000	4,000	4,000	12,000	20,000	32,000	C) () (0	32	2,000	0	0	0	0	0	32,000
0 52	2 2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11	0	0	0	0	11	0	11	C) () (0 0		11	0	0	0	0	0	11

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Priority	Project No.									w Commitr					rent and						-		
WAT9069	/SubProj No	Project Name Sub-project Name	Ward :	Stat.	Cat. 201	7 2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Developmer Charges	nt Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovers Debt	able	Total Financing
	934 DIST W	ATER SERVICE REPAIR																					
0 59	9 2015 W/ SOGR	ATER SERVICE REPLACEMENT -	CW	S2	02 2,	277 736	3	2 0	0	3,015	0	3,015	0) C		0 0	3,015	0) C	0	0	0	3,015
0 68	8 2016 W/ SOGR	ATER SERVICE REPLACEMENT -	CW	S2	02 12,	5,000) (0	0	17,062	0	17,062	o) с		0 0	17,062	0) C	0	0	0	17,062
0 71	1 WATER PROGR	SERVICE REPAIR - WM REHAB AM	CW	S2	02 7,	149 () (0	0	7,449	0	7,449	o) с		0 0	7,449	0) C	0	0	0	7,449
0 72	2 10 YR W WM SL	/ATER SERVICE REPAIR - WITH	CW	S6	02	0 0	4,000	8,000	10,000	22,000	50,000	72,000	o) с		0 0	72,000	0) C	0	0	0	72,000
0 73	3 WATER TUNNEL	SERVICE REPLACEMENT -	CW	S6	02	0 0) (50	50	100	7,500	7,600	o) C		0 0	7,600	0) C	0	0	0	7,600
0 74	4 REPLAC	CEMENT OF FROZEN SERVICES	CW	S4	02 1,	1,000	1,000	0	0	3,000	0	3,000	o) (0 0	3,000	0) C	0	0	0	3,000
0 75	5 WSR CL	JT REPAIRS WITH WM SL	CW	S2	02 1,	750) (0	0	1,750	0	1,750	o) (0 0	1,750	0) C	0	0	0	1,750
0 78	8 2011 WS	SR	CW	S2	02	14) (0	0	14	0	14	o) с		0 0	14	0) C	0	0	0	14
0 80		SERVICE REPAIR - LEAD AM-2017 SC	CW	S3	02 -6,	716 3,356	4,450	200	0	1,290	0	1,290	o) с		0 0	1,290	0) C	0	0	0	1,290
0 81	1 WSR CL	JT REPAIR-2017 SC	CW	S3	03 -	250 1,500) (0	0	1,250	0	1,250	o) с		0 0	1,250	0) C	0	0	0	1,250
0 82		SERVICE REPAIR - WM REHAB AM-2017 SC	CW	S3	02 1,	723 7,500	7,000	2,000	0	18,223	0	18,223	o) с		0 0	18,223	0) C	0	0	0	18,223
0 83	3 WSR CU SC	JT REPAIRS WITH WM SL-2017	CW	S3	02 -	250 1,500) (0	0	1,250	0	1,250	o) (0 0	1,250	0) (0	0	0	1,250
0 84	4 2017 W/ SOGR	ATER SERVICE REPLACEMENT -	CW	S4	02 10,	7,000	3,000	0	0	20,000	0	20,000	o) с		0 0	20,000	0) C	0	0	0	20,000
0 85	5 2018 W/ SOGR	ATER SERVICE REPLACEMENT -	CW	S6	02	0 10,000	7,000	3,000	0	20,000	0	20,000	o) с		0 0	20,000	0) C	0	0	0	20,000
0 86	6 2010 W	SR- 2017 SC	CW	S3	02	0 215	5 (0	0	215	0	215	o) с		0 0	215	0) (0	0	0	215
0 87	7 2011 WS	SR- 2017 SC	CW	S3	02	1 () (0	0	1	0	1	o) с		0 0	1	0) C	0	0	0	1
0 88	8 2013 W	SR- 2017 SC	CW	S3	02	0 100) (0	0	100	0	100	o) с		0 0	100	0) (0	0	0	100
0 89		ATER SERVICE REPLACEMENT - 2017 SC	CW	S3	02	0 266	6 (0	0	266	0	266	o) с		0 0	266	0) C	0	0	0	266
0 90		ATER SERVICE REPLACEMENT - 2017 SC	CW	S3	02 -	712 26	5 -2	2 0	0	-688	0	-688	a) (0 0	-688	0) C	0	0	0	-688
0 91		ATER SERVICE REPLACEMENT - 2017 SC	CW	S3	02 -8,	2,611	(0	0	-6,011	0	-6,011	o) C		0 0	-6,011	0) C	0	0	0	-6,011
		Sub-total			39,	757 48,710	48,250	44,250	44,050	225,017	227,500	452,517	0	C	. (0	452,517	0) C	0	0	0	452,517
WAT9069	935 NEW SE	ERVICE CONNECTIONS																				\dashv	
0 2	NEW SE REPAIR	ERVICE CONNECTIONS - CUT S	CW	S2	05 5,	000) (0	0	5,000	0	5,000	0) C		0 0	5,000	0) C	0	0	0	5,000
0 7		ERVICE CONNECTIONS - SITE	CW	S2	05 22,	7,500) (0	0	29,500	0	29,500	0) (0 0	29,500	0) C	0	0	0	29,500

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

		ogram																						
							Curre	ent and Fu	ture Year	Cash Flor	w Commitn	nents			Cui	rent and F	uture Yea	r Cash F	low Comr	nitments	Finance	d By		
Sul Pric		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve	Reserve Funds	Capital from Current		Other2		Debt - Recoverabl ot	e Total Financing
WAT	906935	NEW SERVICE CONNECTIONS																						
0	14	NEW SERVICE CONNECTIONS - 10 Year	CW	S6	05	0	0	30,000	30,000	30,000	90,000	150,000	240,000	0	C	0	C	240,00	0	0 (0 (0	0	240,000
0	15	NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE	CW	S6	05	0	0	6,000	6,000	6,000	18,000	30,000	48,000	О	C	0	C	48,00	0	0 (0 (J	0	48,000
0	22	NEW SERVICE CONNECTIONS - SITE SERVICING-2017 SC	CW	S3	05	8,000	22,500	0	0	0	30,500	0	30,500	0	C	0	C	30,50	0	0 (0 ()	0	30,500
0	23	NEW SERVICE CONNECTIONS - CUT REPAIRS-2017 SC	CW	S3	05	0	5,200	0	0	0	5,200	0	5,200	0	C	0	C	5,20	0	0 (0 (0	0	5,200
		Sub-total				35,000	35,200	36,000	36,000	36,000	178,200	180,000	358,200	0	C	0	C	358,20	0	0 (0	0	0	358,200
WAT	906951	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	11,563	11,457	7,307	6,554	2,313	39,194	0	39,194	0	C	0	C	39,19	4	0 (0 (D	0	39,194
0	5	10 YEAR ENGINEERING	CW	S6	03	0	27,683	38,989	46,419	47,274	160,365	265,249	425,614	o	C	0	C	425,61	4	0 (0 ()	0	425,614
0	57	PPFA SALARIES - FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	0	C	0	C	20,62	8	0 (0 (0	0	20,628
0	63	ROAD RESTORATION	CW	S2	03	6,005	0	0	0	0	6,005	0	6,005	o	C	0	C	6,00	5	0 (0 ()	0	6,005
0	69	LEGAL SERVICES SALARIES	CW	S3	03	205	0	0	0	0	205	0	205	0	C	0	C	20	5	0 () (0	0	205
0	70	ECS SALARIES	CW	S3	03	13,458	0	0	0	0	13,458	0	13,458	0	C	0	C	13,45	8	0 () ()	0	13,458
0	71	PPFA SALARIES	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	0	C	0	C	2,29	2	0 () ()	0	2,292
0	72	ROAD RESTORATION- 2017 SC	CW	S3	03	-4,005	2,000	0	0	0	-2,005	0	-2,005	0	C	0	C	-2,00	5	0 (0 (D	0	-2,005
0	73	CONSULTING FEES- 2017 SC	CW	S3	03	1,182	678	3,045	148	1,448	6,501	6,861	13,362	0	C	0	C	13,36	2	0 (0 ()	0	13,362
0	74	PMMD SALARIES	CW	S4	03	263	0	0	0	0	263	0	263	0	C	0	C	26	3	0 () (0	0	263
		Sub-total				30,963	44,110	51,633	55,413	53,327	235,446	283,570	519,016	0	C	0	C	519,01	6	0 (0	0	0	519,016
WAT	906977	ISLAND W.T.P. R&R																						
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	1,482	375	0	0	0	1,857	0	1,857	0	C	0	C	1,85	7	0 (0 (0	0	1,857
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	2,320	0	0	0	0	2,320	0	2,320	0	C	0	C	2,32	0	0 (0 (0	0	2,320
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	5	0	0	0	0	5	0	5	0	C	0	C	ı	5	0 (0 (0	0	5
0	32	TRAVELLING SCREEN REPLACEMENT	CW		03	1,266	2,430	550	10	0	4,256	0	4,256	0						0 (0	4,256
0	50	AMMONIA AND FLUORIDE SYSTEM UPGRADES			03	2,738	3,440	12	0	0	6,190	0	6,190	0						0 (0	
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION) CW	S2	03	26	0	0	0	0	26	0	26	0	C	0	С	2	6	0 (0 ()	0	26

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

		-		_	-				-														
Water F	Program																						
						Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flov	w Comm	itments I	Financed	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	ebt - overable	Total Financing
WAT9069	77 ISLAND W.T.P. R&R																						
0 53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	375	375	375	1,125	1,875	3,000	C) (0	0	3,000	0	C) 0	0	0	3,000
0 54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	150	0	150	0	300	450	750	C) (0	0	750	0	C) 0	0	0	750
0 69	Generators` DR3 Program	CW	S2	04	695	650	0	0	0	1,345	0	1,345	C) (0	0	1,345	0	C) 0	0	0	1,345
0 70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,151	1,141	0	0	0	2,292	0	2,292	C) (0	0	2,292	0	C) 0	0	0	2,292
0 83	RAW WATER INTAKE CLEANING	CW	S2	03	1,090	0	0	0	0	1,090	0	1,090	C) (0	0	1,090	0	C) 0	0	0	1,090
0 89	FACILITY & PROCESS UPGRADES-2017 SC	CW	S3	03	-865	0	0	0	0	-865	0	-865	C) (0	0	-865	0	C) 0	0	0	-865
0 90	FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	CW	S3	03	-1,370	3,100	750	0	0	2,480	0	2,480	C) (0	0	2,480	0	C) 0	0	0	2,480
0 91	TRAVELLING SCREEN REPLACEMENT-2017 SC	CW	S3	03	370	-2,330	150	2,740	0	930	0	930	C) (0	0	930	0	C) 0	0	0	930
0 92	Generators` DR3 Program-2017 SC	CW	S3	04	-695	-570	695	650	0	80	0	80	C) (0	0	80	0	C) 0	0	0	80
0 93	RAW WATER INTAKE CLEANING-2017 SO	C CW	S3	03	-940	1,100	0	0	0	160	0	160	C) (0	0	160	0	C) 0	0	0	160
0 95	ISLAND FILTER AIR SCOUR SYSTEM- 2017 SC	CW	S3	04	0	56	0	0	0	56	0	56	C) () 3	0	53	0	C) 0	0	0	56
0 96	ISLAND ENWAVE/RETROFIT PROJECT- 2017 SC	CW	S3	04	4	0	0	0	0	4	0	4	C) (0	0	4	0	C) 0	0	0	4
0 97	AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	CW	S3	03	-2,459	119	2,467	7	0	134	0	134	C) (0	0	134	0	C) 0	0	0	134
0 98	CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017 SC	CW	S3	03	4	40	0	0	0	44	0	44	C) (0	0	44	0	C) 0	0	0	44
0 99	PLANTWIDE HVAC UPGRADES- 2017 SC	CW	S3	04	-525	49	527	15	0	66	0	66	C) (0	0	66	0	C) 0	0	0	66
0 100	RAW WATER INTAKE CLEANING - FUTURE	CW	S6	03	0	0	0	0	0	0	1,250	1,250	C) (0	0	1,250	0	C) 0	0	0	1,250
	Sub-total				4,297	9,750	5,526	3,947	375	23,895	3,575	27,470	0	(3	0	27,467	0	C) (0	0	27,470
WAT9069	79 D2/D4 TRUNK WATERMAIN UPGRADES																						
0 11	JOS - VICTORIA PARK W/M - CONST	CW	S6	05	0	0	0	0	0	0	54,000	54,000	C) (25,971	0	18,659	0	C	9,370	0	0	54,000
0 26	JOS - VICTORIA PARK W/M _ ENGINEERING	CW	S6	05	0	0	0	300	600	900	2,100	3,000	C) (1,444	0	1,036	0	C	520	0	0	3,000
	Sub-total				0	0	0	300	600	900	56,100	57,000	0	(27,415	0	19,695	0	C	9,890	0	0	57,000
WAT9071	35 BAYVIEW TRUNK WATERMAIN - PH2																						
0 5	HPEC W/M - BAYVIEW TO KEELE	CW	S6	05	0	0	400	500	400	1,300	103,450	104,750	C) (65,173	0	39,577	0	C) 0	0	0	104,750
	Sub-total				0	0	400	500	400	1,300	103,450	104,750	0	(65,173	0	39,577	0	C) C	0	0	104,750
WAT9073	53 LAWRENCE ALLAN REVITALIZATION PLA	<u>AN</u>																					

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

		ogram																					
							Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cur	rent and F	uture Year Cash	Flow Con	nmitments	Finance	d By		
<u>Sub</u> Prio		<u>ject No. Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves Fund	Capita ve from ls Currer		Other2		Debt - Recoverabl	e Total Financing
	_	LAWRENCE ALLAN REVITALIZATION F												Cubbidios									†
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	6,613	13,272	5,506	0	0	25,391	0	25,391	0	0	25,391	0	0	0	0	0	0	0 25,391
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	4,592	0	0	0	0	4,592	0	4,592	0	0	4,592	0	0	0	0	0	0	0 4,592
0	9	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017SC	CW	S3	05	-3,613	-5,272	1,731	7,237	0	83	0	83	0	0	83	0	0	0	0	0	0	0 83
0	10	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2017SC	CW	S3	05	-4,092	3,842	3,842	0	0	3,592	0	3,592	0	0	3,592	0	0	0	0	0	0	0 3,592
		Sub-total				3,500	11,842	11,079	7,237	0	33,658	0	33,658	0	0	33,658	0	0	0	0	0	0	0 33,658
WAT	907558	REGENT PARK CAPITAL CONTRIBUTION	<u>ON</u>																				
0	1	REGENT PARK CAPITAL CONTRIBUTION PHASE 2	ON - CW	S2	05	596	1,391	812	44	71	2,914	40	2,954	0	0	2,954	0	0	0	0	0	0	2,954
0	13	REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 2017 SC	ON CW	S3	05	-596	-1,391	-812	-44	-71	-2,914	-40	-2,954	0	0	-2,954	0	0	0	0	0	0	-2,954
0	14	REGENT PARK CAPITAL CONTRIBUTION PHASE 3 - 5	ON - CW	S4	05	812	1,909	864	1,398	812	5,795	146	5,941	0	0	5,941	0	0	0		0	0	0 5,941
		Sub-total				812	1,909	864	1,398	812	5,795	146	5,941	0	0	5,941	0	0	0	0	0	0	0 5,941
WAT	907946	BUSINESS IT PROJECTS																					
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	2,409	1,422	1,273	1,000	500	6,604	0	6,604	0	0	0	0 6,6	604	0	0	0	0	6,604
0	16	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 2017 SC	CW	S3	04	-1,679	158	2	325	500	-694	750	56	0			0	56	0	0	0	0	0 56
		Sub-total				730	1,580	1,275	1,325	1,000	5,910	750	6,660	0	0	0	0 6,6	660	0	0	0	0	0 6,660
WAT	908087	TRUNK WATERMAIN																					
0	1	TRANSMISSION SYSTEM AUTOMATIO	ON CW	S2	04	2,456	10	0	0	0	2,466	0	2,466	0	0	0	0 2,4	166	0	0	0	0	2,466
0	4	JOS - REVENUE METER REPLACEME	NT CW	S2	03	3,545	2,950	0	0	0	6,495	0	6,495	0	0	0	0 3,2	247	0	0 3,24	8	0	6,495
0	5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	1,100	1,900	14,200	24,750	41,950	124,300	166,250	0	0	0	0 166,2	250	0	0	0	0	166,250
0	6	3RD PARTY RELOCATIONS (METROLI	NX) CW	S2	04	350	250	250	200	200	1,250	0	1,250	0	0	0	0 1,2	250	0	0	0	0	0 1,250
0	10	TRANSMISSION SYSTEM AUTOMATIC 2017 SC	N- CW	S3	04	-2,204	606	1,857	1,650	41	1,950	92	2,042	0	0	0	0 2,0)42	0	0	0	0	2,042
0	11	3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	CW	S3	04	-300	0	0	0	0	-300	0	-300	0	0	0	0 -3	300	0	0	0	0	-300
0	12	JOS - REVENUE METER REPLACEME 2017 SC	NT- CW	S3	03	-1,045	550	1,000	0	0	505	0	505	0	0	0	0 2	253	0	0 25	2	0	0 505
		Sub-total				2,802	5,466	5,007	16,050	24,991	54,316	124,392	178,708	0	0	0	0 175,2	208	0	0 3,50)0	0	0 178,708
WAT	908248	WT&S PLANTWIDE																					
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	0 5	500	0	0	0	0	500

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

						Curr	ent and Fu	uture Year	Cash Flor	v Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	Financ	ed B	у		
	j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Othe	r2 C	Debt - Recovera Debt	- 1	Total Financing
WAT908248	WT&S PLANTWIDE																							
0 2	UV DISINFECTION - ENGINEERING	CW	S6	04	0	0	0	710	350	1,060	10,945	12,005	0	0	0	0	12,005	()	0	0	0	0	12,005
0 3	UV DISINFECTION - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	93,000	93,000	0	0	0	0	93,000	()	0	0	0	0	93,000
0 4	ZEBRA MUSSEL CONTROL - ENG	CW	S4	04	650	404	474	666	130	2,324	48	2,372	0	0	0	0	2,372	()	0	0	0	0	2,372
0 5	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S6	04	0	130	2,230	5,840	700	8,900	0	8,900	0	0	0	0	8,900	()	0	0	0	0	8,900
0 6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04	690	600	1,200	1,400	800	4,690	1,600	6,290	0	0	377	0	4,026	()	0 1,8	887	0	0	6,290
0 7	STANDBY POWER - FUTURE	CW	S6	04	0	2,250	8,100	10,400	21,100	41,850	46,850	88,700	0	0	5,322	0	56,768	()	26,6	610	0	0	88,700
0 8	UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	CW	S3	04	-500	0	0	0	0	-500	0	-500	О	0	0	0	-500	()	0	0	0	0	-500
0 9	STANDBY POWER - PHASE 2 - ENG- 201 SC	7 CW	S3	04	-140	425	-475	-550	-375	-1,115	1,025	-90	0	0	-3	0	-62	()	0 -	-25	0	0	-90
0 10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S4	04	250	1,250	500	1,350	1,290	4,640	780	5,420	0	0	0	0	5,420	()	0	0	0	0	5,420
0 11	UV DISINFECTION - ISLAND WTP - CONSTRUCTION	CW	S6	04	0	0	0	13,000	19,000	32,000	8,700	40,700	0	0	0	0	40,700	()	0	0	0	0	40,700
0 12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	I CW	S4	04	200	915	730	105	5	1,955	0	1,955	0	0	117	0	1,250	()	0 5	88	0	0	1,955
	Sub-total				1,650	5,974	12,759	32,921	43,000	96,304	162,948	259,252	0	0	5,813	0	224,379	()	29,0	060	0	0	259,252
Total Pr	ogram Expenditure				392,232	473,181	457,170	472,669	452,556	2,247,808	2,297,722	4,545,530	0	0	384,837	0	4,084,924	()	75,7	769	0	0 4	4,545,530

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Report 7C

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

Water Program																				
		C	urrent and	Future Ye	ar Cash Fl	low Comr	mitments ar	nd Estimate	s		Curren	t and Future	Year Cas	h Flow Co	ommitme	nts and I	Estimat	es Fina	nced By	
Sub- Project No. Project Name Priority SubProj No. Sub-project Name	Ward Stat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges		Reserve Funds	Capital from Current	Other 1	Other2	2 Deb	Debt - Recoverable ot	Total Financing
Financed By:											_									
Development Charges		25,211	41,791	41,289	38,648	29,333	176,272	208,565	384,837	0	0	384,837	0	0	0	C	ı	0	0 0	384,837
Reserve Funds (Ind."XR" Ref.)		349,987	421,253	405,935	427,742	416,235	2,021,152	2,063,772	4,084,924	0	0	0	0 4	1,084,924	0	C	1	0	0 0	4,084,924
Other2 (External)		17,034	10,137	9,946	6,279	6,988	50,384	25,385	75,769	0	0	0	0	0	0	C	75,76	39	0 0	75,769
Total Program Financing		392,232	473,181	457,170	472,669	452,556	2,247,808	2,297,722	4,545,530	0	0	384,837	0 4	1,084,924	0	С	75,76	j9	0 0	4,545,530

Status Code	Description
S2	S2 Prior Year
S3	S3 Prior Year

ear (With 2017 and\or Future Year Cashflow)

ear - Change of Scope 2017 and\or Future Year Cost\Cashflow)

S4 New - Stand-Alone Project (Current Year Only) S4

S5 S5 New (On-going or Phased Projects)

S6 New - Future Year (Commencing in 2018 & Beyond)

Category Code Description

S6

01 Health and Safety C01 Legislated C02 02

State of Good Repair C03

Service Improvement and Enhancement C04

04 05 Growth Related C05 06 Reserved Category 1 C06 07 Reserved Category 2 C07

CITY OF TORONTO

Wastewater Program

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

***	SIEWa	ater Prot	grain			J																		
							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	nitments I	inanced	Ву		
<u>Sul</u> Pri		<u>oject No.</u> bProj No.	Project Name Sub-project Name	Ward	Stat. Cat	. 2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAS	000007	ASHBRID	GES BAY WWTP REHAB																					
0	17	STANDB	POWER GENERATION	CW	S2 04	5	0	0	0	0	5	0	5	О) (0	0	5	C) (0	0	0	5
0	19	FERROU	SUPGRADES	CW	S2 03	15,695	5,853	5,955	0	0	27,503	0	27,503	О) (2,224	0	25,279	C	0 0	0	0	0	27,503
0	30	ELECTRI	CAL REHAB - ECAP	CW	S2 01	4,542	1,710	35	0	0	6,287	0	6,287	o) (0	0	6,287	(0 0	0	0	0	6,287
0	41	POLYMEI	R UPGRADE	CW	S2 03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	О) (0	0	63,180	C) (0	0	0	63,180
0	46	REHAB C	F GROUNDS & BUILDINGS	CW	S2 03	10	0	0	0	0	10	0	10	O) (0	0	10	() (0	0	0	10
0	47		HEADWORKS ENG CONTRACT ADMIN	CW	S2 03	1,252	1,146	250	49	0	2,697	0	2,697	O) (217	0	2,480	() (0	0	0	2,697
0	49		S UPGRADES & ODOUR L ENGINEERING	CW	S2 04	193	0	0	0	0	193	0	193	0) () 15	0	178	() (0	0	0	193
0	189	PROCES	S AND EQUIPMENT	CW	S2 03	1,796	26	27	0	0	1,849	0	1,849	0) (0	0	1,849	() (0	0	0	1,849
0	190		AND FACILITIES	CW	S2 03	445	0	0	0	0	445	0	445	0) (0	0	445	(0 0	0	0	0	445
0	200		S AND FACILTIES - FUTURE	CW		0	0	0	400	1,940	2,340	9,700	12,040	0			0	12,040	(0	0	12,040
0	215	14, 16, 13			S2 03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	0			0	12,715	(0	0	12,715
0	216		ONS CENTRE - ENGINEERING	CW	S2 03	400	0	0	0	0	400	0	400	0			0	400	(0	0	400
0	225	FUTURE	R CLEANING & UPGRADES -	CW		0	0	0	0	100	100	38,350	38,450	0			0	38,450	(0	0	38,450
0	226		ROCESS ROADMAP PHASE 2	CW		1,225	500	250	0	0	1,975	0		0			0	1,975	(0	0	1,975
0	227		DER REHAB		S2 03	727	1,700	0	0	0 000	2,427	0		0			0	2,427	(0	0	2,427
0	229		NG PHASE 2	CW		502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	0			0	12,102	(0	0	12,102
0		ASSESSI		CW		590	250	0	0	0	840	0	840				0	840					0	840
0	248		ANAGEMENT PLAN NK UPGRADES - TANKS 10 & 11	CW		200	100			v	300						0	300	(0		300
0	255 256		R CLEANING - 10 YEAR PLAN		S6 03		100	1,700	1,700	3 200	4,000	6 400	4,000 9,400	٥			0	4,000			. 0	0		4,000
0	264		ONVERSION Z-BLDG		\$6 03 \$2 03	1,860	1,500	450	350	2,200	3,000 3,360	6,400		1 0		,	0	9,400 3,360	,) (0	0	9,400 3,360
0	265		HEADWORKS ENG		S2 03 S3 03	398	714		201	49		0) 213		2,429	(0	2,642
0	266	DESIGN8	CONTRACT ADMIN-2017 SC		S3 03	-563	1,756	1,100	1,100	49		0											0	3,393
0	266		S AND EQUIPMENT-2017 SC		S3 03	-563	1,756	1,100	1,100	0				0				1,316				0	0	
U	201	GROUNL	AND FACILITIES-2017 SC	CVV	33 U3	-4	440	440	440	U	1,316	"	1,316	"	, (, 0	U	1,316	·	, (. 0	U	۱	1,316

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Report 7C

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

						Curr	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Curr	ent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub		ject No. Project Name								Total	Total	Total	Provincial Grants and	Federal D	evelopment	Paganyas	Reserve	Capital from			Deb Recove		I I Olai
	_	Proj No. Sub-project Name	Ward S	Stat. Cat.	2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Subsidies	Subsidy	Charges	Reserves	Funas	Current	Other 1	Other2	Debt	\longrightarrow	Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																					i I
0	269	NEW FLEET PURCHASES-2017 SC	CW	S3 04	80	0	0	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0	270	SOILS MANAGEMENT PLAN-2017 SC	CW	S3 03	-200	-100	0	0	0	-300	0	-300	o	0	0	0	-300	0	0	0	0	0	-300
0	272	FERROUS UPGRADES - 2017 SC	CW	S3 03	-8,315	5,495	3,275	0	0	455	0	455	О	0	27	0	428	0	0	0	0	0	455
0	273	ELECTRICAL REHAB - ECAP- 2017 SC	CW	S3 01	-1,375	1,718	-3	0	0	340	0	340	О	0	0	0	340	0	0	0	0	0	340
0	274	REHAB OF GROUNDS & BUILDINGS- 20 SC	17 CW	S3 03	0	472	0	0	0	472	0	472	О	0	0	0	472	0	0	0	0	0	472
0	275	PROCESS UPGRADES & ODOUR CONTROL ENG- 2017 SC	CW	S3 04	-93	105	0	0	0	12	0	12	О	0	1	0	11	0	0	0	0	0	12
0	276	POLYMER UPGRADE- 2017 SC	CW	S3 03	-12	3,000	8,000	6,000	6,000	22,988	7,000	29,988	О	0	0	0	29,988	0	0	0	0	0	29,988
0	277	OPERATIONS CENTRE - ENGINEERING 2017 SC	- CW	S3 03	-100	400	0	0	0	300	0	300	О	0	0	0	300	0	0	0	0	0	300
0	278	ABTP - PROCESS ROADMAP PHASE 2-2017 SC	CW	S3 05	-975	500	250	250	0	25	0	25	O	0	0	0	25	0	0	0	0	0	25
0	279	AIR HEADER REHAB- 2017 SC	CW	S3 03	450	820	0	0	0	1,270	0	1,270	О	0	0	0	1,270	0	0	0	0	0	1,270
0	280	D BUILDING PHASE 2- 2017 SC	CW	S3 03	322	-1,330	8,860	8,700	8,700	25,252	9,190	34,442	О	0	0	0	34,442	0	0	0	0	0	34,442
0	281	HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	CW	S3 03	-90	100	0	0	0	10	0	10	О	0	0	0	10	0	0	0	0	0	10
0	282	HVAC CONVERSION Z-BLDG- 2017 SC	CW	S3 03	-860	0	1,013	0	0	153	0	153	O	0	0	0	153	0	0	0	0	0	153
0	283	ELECTRICAL REHAB - FUTURE	CW	S6 03	0	0	0	0	0	0	2,500	2,500	o	0	0	0	2,500	0	0	0	0	0	2,500
0	284	OPERATIONS CENTRE - ENGINEERING CONSTRUCTION	& CW	S6 04	0	200	200	400	5,500	6,300	5,500	11,800	o	0	0	0	11,800	0	0	0	0	0	11,800
0	285	BLOWER 7-9 OVERHAUL	CW	S4 03	800	500	0	0	0	1,300	0	1,300	o	0	0	0	1,300	0	0	0	0	0	1,300
0	286	STANDBY POWER GENERATION- 2017 SC	CW	S3 04	15	18	0	0	0	33	0	33	O	0	3	0	30	0	0	0	0	0	33
		Sub-total			23,647	36,769	51,026	40,494	43,341	195,277	95,132	290,409	0	0	2,700	0	287,709	0	0	0	0	0	290,409
WAS	000115	HUMBER T.P.																					
0	9	CO-GENERATION	CW	S2 04	335	109	0	0	0	444	0	444	o	0	0	0	444	0	0	0	0	0	444
0	62	CO-GENERATION- 2017 SC	CW	S3 04	-135	150	0	0	0	15	0	15	o	0	0	0	15	0	0	0	0	0	15
		Sub-total			200	259	0	0	0	459	0	459	0	0	0	0	459	0	0	0	0	0	459
WAS	000259	TRUNK SEWER SYSTEM																					
0	15	TRUNK SEWER REHABILITATION - 2012	cw	S2 03	1,643	748	101	29	0	2,521	0	2,521	a	0	0	0	2,521	0	0	0	0	0	2,521

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

VVC	Siew	ater Fro	grain																					
								Curre	ent and Fu	uture Year	Cash Flov	v Commitn	nents			Cui	rent and Fu	ture Year Cash I	Flow Comr	nitments	Financed	Ву		
<u>Su</u> Pri			Project Name Sub-project Name	Ward	Stat	. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserv Reserves Funds	Capital e from Current	Other 1	Other2	De Recov Debt	bt - rerable	Total Financing
WA	S000259	9 TRUNKS	SEWER SYSTEM																					
0	18	BLACK C	CREEK STS DESIGN & RUCTION	CW	S6	05	0	400	1,100	2,750	9,300	13,550	174,450	188,000	0	C	63,748	0 124,2	52	0 (0 0	0	0	188,000
0	27	TRUNK	SEWER REHABILITATION - 2014	CW	S2	03	38,206	7,567	1,810	10	0	47,593	0	47,593	0	C	0	0 47,5	93	0 (0	0	o	47,593
0	34	BLACK C	CREEK STS EA	CW	S2	05	1,177	0	0	0	0	1,177	0	1,177	0	C	0	0 1,1	77	0 (0	0	o	1,177
0	36	TRUNK S	SEWER REPLACEMENT - ST	CW	S6	03	0	150	400	550	5,275	6,375	20,247	26,622	0	C	0	0 26,6	22	0 (0 0	0	o	26,622
0	47	TRUNK	SEWER REHABILITATION - 2016	cw	S2	03	3,590	19,175	11,770	240	10	34,785	0	34,785	0	C	0	0 34,7	85	0 (0 0	0	o	34,785
0	49	TRUNK \$	SEWER REHABILITATION - 17 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	6,565	0	6,565	0	C	0	0 6,5	65	0 (0 0	0	o	6,565
0	50	TRUNK 9 2016-201	SEWER REHABILITATION - 17 SC	CW	S3	03	260	3,171	258	492	4	4,185	0	4,185	0	C	0	0 4,1	85	0 (0	0	o	4,185
0	52	TRUNK S 2017 SC	SEWER REHABILITATION - 2012	- CW	S3	03	430	755	318	-1	15	1,517	0	1,517	0	C	0	0 1,5	17	0 (0	0	o	1,517
0	53	TRUNK	SEWER REHABILITATION - 2018	cw	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	0	C	0	0 104,1	31	0 (0	0	o	104,131
0	54	BLACK C	CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	0	C	0	0	33	0 (0	0	o	33
0	55	TRUNK S	SEWER REHABILITATION - ST	CW	S6	03	0	0	0	55	55	110	149,802	149,912	0	C	0	0 149,9	12	0 (0 0	0	o	149,912
			Sub-total				31,492	48,735	34,688	34,971	44,575	194,461	372,580	567,041	0	С	63,748	0 503,2	93	0 (0	0	0	567,041
WA	S000442	2 BASEME	NT FLOODING RELIEF																					
0	1		NT FLOODING PROTECTION Y PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	C	0	0 11,0	00	0 (0 0	0	0	11,000
0	8	BASEME	NT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	0	C	0	0 2,0	76	0 (0 0	0	0	2,076
0	9	BASEME PROJEC	NT FLOODING RELIEF - TUNNE T	L CW	S2	04	5,050	7,000	35,000	35,000	35,000	117,050	55,000	172,050	0	C	0	0 172,0	50	0 (0 0	0	0	172,050
0	12	ROAD RI PRJS	ESTORATION FOR BSMT FLDG	CW	S2	04	515	0	0	0	0	515	0	515	0	C	0	0 5	15	0 (0 0	0	0	515
0	14	BASEME 1	NT FLOODING DESIGN - GROU	IP CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	0	C	0	0 2,3	06	0 (0 0	0	0	2,306
0	18	BASEME 2	NT FLOODING DESIGN - GROU	IP CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	0	C	0	0 6,5	64	0 (0 0	0	0	6,564
0	19	BASEME 2	NT FLOODING RELIEF - GROU	P CW	S2	04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	0	C	0	0 131,4	04	0 (0 0	0	0	131,404
0	20	BASEME 3	NT FLOODING DESIGN - GROU	IP CW	S2	04	4,458	2,644	268	20	0	7,390	0	7,390	0	C	0	0 7,3	90	0 (0 0	0	0	7,390
0	29	BASEME 1	NT FLOODING RELIEF - GROU	P CW	S2	04	2,268	55	0	0	0	2,323	0	2,323	0	C	0	0 2,3	23	0 (0 0	0	0	2,323
0	52	BASEME	NT FLOODING RELIEF - FUTUR	RE CW	S6	04	0	0	0	0	0	0	164,200	164,200	0	C	0	0 164,2	00	0 (0 0	0	0	164,200
0	76	BASEME MONITO	NT FLOODING FLOW RING	CW	S2	04	1,614	1,500	1,500	1,500	500	6,614	0	6,614	0	C	0	0 6,6	14	0 (0 0	0	0	6,614

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

MASSIMULE RESPECT FLOORING PERSON PROPERTY PROP						[Curre	ent and Fu	iture Year	Cash Flov	v Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	w Comm	nitments F	inanced	Ву		
NASSIGNATION RELIGIONS BERRIES - CROSSIP ON 11,778 17,800 21,8				Ward	Stat.	Cat.	2017	2018	2019	2020	2021			l I	Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2			Total Financing
A FINISHER FINISH A FINISH STUDIES CW SZ 04 10,755 5,500 0 0 0 10,255 0 0 0 10,255 0 0 0 10,255 0 0 0 10,255 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 10,255 0 0 0 0 0 10,255 0 0 0 0 0 0 0 0 0	WAS	000442	BASEMENT FLOODING RELIEF																						
EAS-CV MOLEMENTICHION 8 49 15 THE ABSENDENT FLOODING CV W S	0	77		CW	S2	04	11,794	17,820	21,560	21,930	21,930	95,034	57,279	152,313	C) (0	0	152,313	(0	0	0	0	152,313
STUDIES & EAR 8 B ALSEMENT FLOCINIS FLIDE 8 B ALSEMENT FLOCINIS FLIDE 8 CONSTRUCTION 9 PARTICIPATION 10 PARTICIPATI	0	81		CW	S2	04	10,755	5,500	0	0	0	16,255	0	16,255	C) (0	0	16,255	(0	0	0	0	16,255
MONITORING 80 88 BASEMENT ELOCIDING RELIEF - GROUP CW S4 04 10,788 36,775 66,360 72,869 86,700 272,472 404,800 767,278 0 0 0 0 070,778 0 0 0 0 0 0 707,278 0 0 0 0 0 0 707,278 0 0 0 0 0 0 707,278 0 0 0 0 0 0 707,278 0 0 0 0 0 0 0 707,278 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	84		CW	S6	04	0	79	4,081	4,083	4,286	12,529	17,471	30,000	C) (0	0	30,000	(0	0	0	0	30,000
4 (CONSTRUCTION) 9 19 NEW - REFRESHING EXPIRED EAS CW S6 04 0 0 0 800 600 300 1,700 8,500 10,200 0 0 0 0 10,200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	85		CW	S6	04	0	0	0	0	750	750	3,750	4,500	C) (0	0	4,500	(0	0	0	0	4,500
9 91 BASEMENT FLOODING DESIGN - GROUP CW S6 04 0 0 0 0 0.5500 5.500 11.000 27.500 38.500 0 0 0 0 0.5500 0 0 0 0 0.5500 38.500 1 0 0 0 0 0.5500 38.500 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	89		CW	S4	04	10,788	36,775	66,350	72,859	85,700	272,472	494,806	767,278	C) (0	0	767,278	(0	0	0	0	767,278
5 0 93 BASEMENT FLOODING PROTECTION CW 8 04 0 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 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 38,500 0 0 0 0 0 38,500 0 0 0 0 0 38,500 0 0 0 0 0 38,500 0 0 0 0 0 38,500 0 0 0 0 0 38,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	0	800	600	300	1,700	8,500	10,200	C) (0	0	10,200	(0	0	0	0	10,200
SUBSIDY PROG. FUTURE 0 102 BASEMENT FLOODING DESIGN - GROUP CW S3 04 -569 -997 1,075 0 0 -491 0 -491 0 0 0 0 0 -491 0 0 0 0 0 0 -491 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	91		CW	S6	04	0	0	0	0	0	0	62,000	62,000	C) (0	0	62,000	(0	0	0	0	62,000
1-2017 SC 1 0 103 BASEMENT FLOODING RELIEF - TUNNEL CW S3 04	0	93		CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	C) (0	0	38,500	(0	0	0	0	38,500
PROJECT-2017 SC 0 104 BASEMENT FLOODING RELIEF - GROUP CW S3 04 -42,348 -28,120 -15,077 10,302 6,500 -68,743 0 -68,743 0 -68,743 0 0 0 0 -68,743 0 0 0 0 0 -68,743 0 0 0 0 0 0 -68,743 0 0 0 0 0 0 -68,743 0 0 0 0 0 0 -68,743 0 0 0 0 0 0 0 -68,743 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	102		CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	C) (0	0	-491	(0	0	0	0	-491
2-2017 SC 0 105 BASEMENT FLOODING DESIGN - GROUP CW S3 04	0	103		CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	C) (0	0	1,400	(0	0	0	0	1,400
3-2017 SC 0 106 BASEMENT FLOODING DESIGN - GROUP CW S3 04 5,378 -1,305 -6,130 -5,595 -7,660 -15,312 -4,995 -20,307 0 0 0 0 -20,307 0 0 0 0 0 -20,307 0 107 BASEMENT FLOODING RELIEF - GROUP CW S4 04 8,486 13,164 7,840 6,388 5,000 40,878 0 40,878 0 0 0 0 0 40,878 0 0 0 0 0 40,878 0 0 0 0 0 40,878 0 108 LIDAR PURCHASE CW S4 04 1,000 0 0 0 0 1,000 0 1,000 0 0 0 1,000 0 0 0	0	104		CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	C) (0	0	-68,743	(0	0	0	0	-68,743
4 ENG-2017 SC 0 107 BASEMENT FLOODING RELIEF - GROUP CW S4 04 8.486 13,164 7,840 6,388 5,000 40,878 0 40,878 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 40,878 0 0 0 0 0 0 1,000 0 0 1,000 0 0 1,000 0 0 1,000 0 0 1,000 0 0 0	0	105		CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	C) (0	0	235	(0	0	0	0	235
3 (CONSTRUCTION) 0 108 LIDAR PURCHASE	0	106		CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	C) (0	0	-20,307	(0	0	0	0	-20,307
0 109 REAL ESTATE - IDC	0	107		CW	S4	04	8,486	13,164	7,840	6,388	5,000	40,878	0	40,878	C) (0	0	40,878	(0	0	0	0	40,878
0 110 BASEMENT FLOODING PROTECTION CW S3 04 0 0 5,500 0 0 5,500 0 0 5,500 0 0 0 5,500 0 0 0	0	108	LIDAR PURCHASE	CW	S4	04	1,000	0	0	0	0	1,000	0	1,000	C) (0	0	1,000	(0	0	0	0	1,000
SUBSIDY PROG- 2017 SC 0 111 BASEMENT FLOODING STUDIES & EAS- CW S3 04 215 249 0 0 100 564 0 564 0 0 0 0 0 564 0 0 0 0 0 564 0 0 0 0 0 564 0 0 0 0 0 564 0 0 0 0 0 564 0 0 0 0 0 564 0 0 0 0 0 0 564 0 0 0 0 0 0 564 0 0 0 0 0 0 564 0 0 0 0 0 0 564 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	C) (0	0	194	(0	0	0	0	194
2017 SC 0 112 BASEMENT FLOODING DESIGN - GROUP CW S3 04 -2,810 -1,821 2,390 2,000 0 -241 0 -241 0 0 0 0 0 -241 0 0 0 0 0 0 -241 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	110		CW	S3	04	0	0	5,500	0	0	5,500	0	5,500	C) (0	0	5,500	(0	0	0	0	5,500
2- 2017 SC 0 113 BASEMENT FLOODING RELIEF - GROUP CW S3 04 -2,207 1,511 55 0 0 -641 0 -641 0 0 0 0 0 -641 0 0 0 0 0 -641 0 0 0 0 0 -641 0 0 0 0 0 -641 0 0 0 0 0 -641 0 0 0 0 0 0 -641 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	111		CW	S3	04	215	249	0	0	100	564	0	564	C) (0	0	564	(0	0	0	0	564
1- 2017 SC 0 114 ROAD RESTORATION FOR BSMT FLDG CW S3 04 -515 0 0 0 0 -515 0 0 0 0 0 -515 0 0 0 0 0 -515 0 0 0 0 0 -515 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 0 0 0 0 0 0 -515 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	112		CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	C) (0	0	-241	(0	0	0	0	-241
PRJS- 2017 SC 0 115 BASEMENT FLOODING CW S3 04 -6,946 -2,242 3,550 2,850 1,800 -988 3,650 2,662 0 0 0 0 0 2,662 0 0 0 0 0 2,662 0 116 BASEMENT FLOODING FLOW CW S3 04 -715 -574 -546 -518 -500 -2,853 0 0 -2,853 0 0 0 0 0 -2,853 0 0 0 0 0 -2,853	0	113		CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	C) (0	0	-641	(0	0	0	0	-641
STUDIES&EA`S-CW IMPLEMENT 2017SC 0 116 BASEMENT FLOODING FLOW CW S3 04 -715 -574 -546 -518 -500 -2,853 0 0 -2,853 0 0 0 0 0 -2,853 0 0 0 0 0 -2,853	0	114		CW	S3	04	-515	0	0	0	0	-515	0	-515	C) (0	0	-515	C	0	0	0	0	-515
	0	115		CW	S3	04	-6,946	-2,242	3,550	2,850	1,800	-988	3,650	2,662	C) (0	0	2,662	C	0	0	0	0	2,662
MONITORING- 2017 SC	0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC	CW	S3	04	-715	-574	-546	-518	-500	-2,853	0	-2,853	() (0	0	-2,853	C	0	0	0	0	-2,853

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

W	stew	ater Program																						
							Curr	ent and Fu	ıture Year	Cash Flov	w Commitr	nents			Cu	rrent and F	uture Year	Cash Flo	w Commitm	ents Fi	nanced	Ву		
	oritySu	oject No. Project Name ubProj No. Sub-project Name 2 BASEMENT FLOODING RELIEF	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current Of	ther 1	Other2	Del Recov Debt		Total Financing
	117	REAL ESTATE - IDC (FUTURE)	CW	S6	04	0	0	138	145	152	435	883	1,318	C) (0 0	0	1,318	0	0	0	0	0	1,318
		Sub-total				71,847	95,348	121,144	138,707	160,358	587,404	960,044	1,547,448	0	(0 0	01	,547,448	0	0	0	0	0	1,547,448
WA	300052	1 HIGHLAND CREEK WWTP - BUILDING SE	RV &																					
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,326	4,000	1,742	0	0	7,068	0	7,068	C) (0 0	0	7,068	0	0	0	0	0	7,068
0	9	HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	CW	S3	03	1,674	-674	-1,112	0	0	-112	0	-112	C) (0 0	0	-112	0	0	0	0	0	-112
		Sub-total				3,000	3,326	630	0	0	6,956	0	6,956	0	(0 0	0	6,956	0	0	0	0	0	6,956
WA	S90632	2 W&WW LABORATORIES																						
0	9	LAB EQUIPMENT	CW	S2	03	188	207	0	0	0	395	0	395	C) (0 0	0	395	0	0	0	0	0	395
0	22	LAB & EMP FACILITIES	CW	S6	04	0	0	0	0	0	0	20,900	20,900	C) (0 0	0	20,900	0	0	0	0	0	20,900
0	27	LAB EQUIPMENT - FUTURE	CW	S6	03	0	0	0	0	0	0	1,196	1,196	C) (0 0	0	1,196	0	0	0	0	0	1,196
0	31	LAB EQUIPMENT- 2017 SC	CW	S3	03	57	41	358	209	458	1,123	0	1,123	C) (0 0	0	1,123	0	0	0	0	0	1,123
		Sub-total				245	248	358	209	458	1,518	22,096	23,614	0	(0 0	0	23,614	0	0	0	0	0	23,614
WA	S90632	8 SWM END OF PIPE FACILITIES																						
0	6	DON VALLEY SWM	CW	S6	04	0	40	160	1,880	1,880	3,960	0	3,960	C) (318	0	3,642	0	0	0	0	0	3,960
0	10	Etobicoke Waterfront Construction	CW	S6	04	0	0	0	0	0	0	122,660	122,660	C) (9,871	0	112,789	0	0	0	0	0	122,660
0	11	Bonar Creek SWMF Construction	CW	S2	04	3,000	7,400	5,570	150	0	16,120	0	16,120	C) (1,296	0	14,824	0	0	0	0	0	16,120
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	1,475	0	0	0	0	1,475	0	1,475	C) (0 119	0	1,356	0	0	0	0	0	1,475
0	38	COATSWORTH CUT WETLAND	CW	S6	04	0	0	0	0	300	300	9,960	10,260	C) (0 826	0	9,434	0	0	0	0	0	10,260
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	0	1,150	1,150	46,800	47,950	C) (3,860	0	44,090	0	0	0	0	0	47,950
0	63	Bonar Creek SWMF Construction-2017 SC	CW	S3	04	-2,750	-6,900	2,280	7,550	100	280	100	380	C) (32	0	348	0	0	0	0	0	380
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S4	03	100	350	150	0	0	600	0	600	C) (0 48	0	552	0	0	0	0	0	600
0	65	NORTH TORONTO CSO CONSTR- 2017 SC	CW	S3	04	47	0	0	0	0	47	0	47	C) (0 4	0	43	0	0	0	0	0	47
0	66	EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	CW	S3	04	-543	250	250	0	0	-43	0	-43	C) (0 -4	0	-39	0	0	0	0	0	-43
0	67	YR03 D1 END OF PIPE- 2017 SC	CW	S3	04	1	1	0	0	0	2	0	2	C) (0 0	0	2	0	0	0	0	0	2
		Sub-total				1,330	1,141	8,410	9,580	3,430	23,891	179,520	203,411	0	(0 16,370	0	187,041	0	0	0	0	0	203,411

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

		1010111	ator i rogiam																						
Sub- Price No. Proceed Name Processor Processo								Curr	ent and F	uture Year	Cash Flo	w Commitr	nents			Cur	rent and Fu	uture Year	Cash Flov	v Commi	tments l	Financed	Ву		
Part				Ward	Stat.	Cat.	2017	2018	2019	2020	2021		I	1	Connected and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2	Reco	ebt - overable	Total Financing
Processed Proc																									
Maria Mari	0	9		CW	S2	04	150	150	0	0	0	300	0	300	0	0	0	0	300	0	C	0	0	0	300
0 1 COOUR CONTROL LIPGRADES -PHASE I CW S2 04 524 1,000 917 100 5 2,566 0 2,666 0 0 2,066 0 2,066 0 0 0 0 0 2 COOUR CONTROL LIPGRADES -PHASE I CW S2 02 15,000 15,000 5,205 0 0 35,205 0 0 35,205 0 0 2,603 0 0 2,207 0 0 0 0 3 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -41 0 0 -6 0 -55 0 0 0 0 0 20 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -41 0 0 -6 0 -55 0 0 0 0 0 20 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -41 0 0 -6 0 -55 0 0 0 0 0 21 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -41 0 0 -6 0 -55 0 0 0 0 0 22 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -4182 0 -1882 0 -1882 0 -1882 0 -1882 0 -1882 0 -1892 0 -1739 0 0 0 0 0 0 21 CONSTROL LIPGRADES -PHASE I CW S3 04 476 -400 -477 339 1 -61 0 -1882 0 -1882 0 -1882 0 -1882 0 -1882 0 -1882 0 -1882 0 -1739 0 0 0 0 0 0 0 22 COOUR CONTROL LIPGRADES -PHASE I CW S3 04 44,001 8,600 6,045 6,956 1,006 37,228 33,700 70,028 0 0 -1422 0 66,506 0 0 0 0 0 0 24 CONSTROL LIPGRADES -PHASE I CW S3 04 10 1777 0 0 0 1877 0 1877 0 1877 0 0 1172 0 0 0 0 0 0 24 POS PLANT SRVIS -2017 SC CW S3 04 10 1777 0 0 0 1 0 1 0 1 0 0			Sub-total				150	150	0	0	0	300	0	300	0	0	0	0	300	0	C) 0	0	0	300
Second S	WA	S906380	HIGHLAND CREEK WWTP - ODOUR	CONTROL																					
Control Cont	0	1		ASE 1 CW	S2	04	524	1,020	917	100	5	2,566	0	2,566	0	0	206	0	2,360	0	C	0 0	0	0	2,566
20	0	2		ASE 1 CW	S2	02	15,000	15,000	5,205	0	0	35,205	0	35,205	0	0	2,833	0	32,372	0	C	0	0	0	35,205
ENG-2017 SC CONSTR. 2017 SC SUB-datal CV S3 02 -1,999 -7,000 1,000 6,117 0 -1,88Z 0 -1,730 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	3	ODOUR CONTROL UPGRADES - PHA	ASE 2 CW	S6	02	0	0	0	400	1,000	1,400	33,700	35,100	0	0	1,541	0	33,559	0	C	0	0	0	35,100
CONSTRE-2017 SC Sub-total 14,001	0	20		ASE 1 CW	S3	04	476	-400	-477	339	1	-61	0	-61	0	0	-6	0	-55	0	C	0	0	0	-61
WASSIDEADES ASHBRIDGES BAY T.F. II YR2004	0	21		ASE 1 CW	S3	02	-1,999	-7,000	1,000	6,117	0	-1,882	0	-1,882	0	0	-152	0	-1,730	0	C	0	0	0	-1,882
0 3 PCS-PLANT SRVS			Sub-total				14,001	8,620	6,645	6,956	1,006	37,228	33,700	70,928	0	0	4,422	0	66,506	0	C) 0	0	0	70,928
0 48 PCS-PLANT SRVS-2017 SC CW S3 04 10 177 0 0 0 187 0 187 0 0 187 0 0 15 0 172 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WA	S906486	ASHBRIDGES BAY T.P III YR2004																						
Sub-total Sub-total WASSOC487 HIGHLAND CREEK T.P IV YR2004 0 22 PCS PLANT SERVICES CW S4 04 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 0 0 0	0	3	PCS-PLANT SRVS	CW	S2	04	30	0	0	0	0	30	0	30	0	0	2	0	28	0	C	0	0	0	30
WAS906487 HIGHLAND CREEK T.P IV YR2004 1	0	48	PCS-PLANT SRVS- 2017 SC	CW	S3	04	10	177	0	0	0	187	0	187	0	0	15	0	172	0	C	0	0	0	187
0 22 PCS PLANT SERVICES			Sub-total				40	177	0	0	0	217	0	217	0	0	17	0	200	0	C) 0	0	0	217
Sub-total Sub-total 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0	WA	S906487	HIGHLAND CREEK T.P IV YR2004																						
WAS906488 HUMBER T.P II YR2004 0 2 PCS PLANT SERVICES CW S2 04 2 0 0 0 0 0 2 0 2 0 0 0 0 0 0 0 0 24 PCS PLANT SERVICES-2017 SC CW S3 04 -1 8 0 0 0 7 0 7 0 7 0 0 1 0 6 0 0 0 0 Sub-total 1 8 0 0 0 0 9 0 9 0 0 1 0 8 0 0 0 0 0 WAS906492 WET WEATHER FLOW MP 0 1 SWM INA/EA CW S2 04 650 350 50 0 0 1,050 0 1,050 0 0 84 0 966 0 0 0 0 0 2 PUBLIC EDUCATION CW S2 04 550 0 0 0 1,050 0 550 0 550 0 0 0 44 0 506 0 0 0 0 0 10 10 YEAR SWM - CONVEYANCE CW S6 04 0 0 4,500 6,000 6,000 16,500 30,000 46,500 0 0 3,743 0 42,757 0 0 0 0 0	0	22	PCS PLANT SERVICES	CW	S4	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	C	0	0	0	1
0 2 PCS PLANT SERVICES CW S2 04 2 0 0 0 0 2 0 2 0 0 0 0 0 2 0 0 0 0			Sub-total				1	0	0	0	0	1	0	1	0	0	0	0	1	0	C) 0	0	0	1
0 24 PCS PLANT SERVICES- 2017 SC CW S3 04 -1 8 0 0 0 7 0 7 0 7 0 0 1 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WA	S906488	HUMBER T.P II YR2004																						
Sub-total 1 8 0 0 0 9 0 9 0 0 1 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	2	PCS PLANT SERVICES	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0	C	0	0	0	2
WAS906492 WET WEATHER FLOW MP 0 1 SWM INA/EA	0	24	PCS PLANT SERVICES- 2017 SC	CW	S3	04	-1	8	0	0	0	7	0	7	0	0	1	0	6	0	C	0	0	0	7
0 1 SWM INA/EA CW S2 04 650 350 50 0 0 1,050 0 1,050 0 0 84 0 966 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Sub-total				1	8	0	0	0	9	0	9	0	0	1	0	8	0	C) 0	0	0	9
0 2 PUBLIC EDUCATION CW S2 04 550 0 0 0 550 0 550 0 0 44 0 506 0 0 0 0 0 0 0 0 0 10 10 YEAR SWM - CONVEYANCE CW S6 04 0 0 4,500 6,000 6,000 16,500 30,000 46,500 0 0 3,743 0 42,757 0 0 0 0	WA	S906492	WET WEATHER FLOW MP																						
0 10 10 YEAR SWM - CONVEYANCE CW S6 04 0 0 4,500 6,000 6,000 16,500 30,000 46,500 0 0 3,743 0 42,757 0 0 0 0	0	1	SWM INA/EA	CW	S2	04	650	350	50	0	0	1,050	0	1,050	0	0	84	0	966	0	C	0	0	0	1,050
	0	2	PUBLIC EDUCATION	CW	S2	04	550	0	0	0	0	550	0	550	0	0	44	0	506	0	(0	0	0	550
0 11 10YR WWFMMP PUBLIC EDUCATION CW S6 04 0 0 610 610 610 1,830 3,050 4,880 0 0 392 0 4,488 0 0 0 0	0	10	10 YEAR SWM - CONVEYANCE	CW	S6	04	0	0	4,500	6,000	6,000	16,500	30,000	46,500	0	0	3,743	0	42,757	0	C	0	0	0	46,500
	0	11	10YR WWFMMP PUBLIC EDUCATION	N CW	S6	04	0	0	610	610	610	1,830	3,050	4,880	0	0	392	0	4,488	0	C	0	0	0	4,880

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							Curr	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Su</u> Pri		<u>pject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovera Debt		Total Financing
WA	S906492	WET WEATHER FLOW MP																						
0	14	WWFMP IMPLEMENTATION - DESIGN	N CW	S2	04	1,570	1,450	0	0	0	3,020	0	3,020	0) 0	244	0	2,776	C	0	0	0	0	3,020
0	40	10YR WWFMMP IMPLEMENTATION	CW	S6	04	0	500	200	400	400	1,500	7,000	8,500	0	0	684	0	7,816	C	0	0	0	0	8,500
0	58	SWM CONVEYANCE 2015	CW	S2	04	685	0	0	0	0	685	0	685	o	0	55	0	630	C	0	0	0	0	685
0	59	STORM WATER POND ASSESSMENT CLEANING	r& CW	S2	03	3,975	4,800	4,800	2,000	0	15,575	0	15,575	a	0	0	0	15,575	C	0	0	0	0	15,575
0	60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	5,045	5,000	5,000	5,000	5,000	25,045	7,950	32,995	O	0	0	0	32,995	C	0	0	0	0	32,995
0	61	HUMBER BAY LANDFORMS	CW	S6	04	0	0	0	0	0	0	5,000	5,000	o	0	0	0	5,000	C	0	0	0	0	5,000
0	65	STORM WATER POND ASSESSMENT CLEANING - 10 YEAR	r& cw	S6	03	0	0	0	0	0	0	5,760	5,760	О	0	0	0	5,760	C	0	0	0	0	5,760
0	76	SWM CONVEYANCE 2016	CW	S2	04	2,303	245	0	0	0	2,548	0	2,548	0	0	205	0	2,343	C	0	0	0	0	2,548
0	82	STORM WATER POND ASSESSMENT CLEANING-2017 SC	r& cw	S3	03	-3,550	-2,987	-2,400	2,800	4,300	-1,837	3,500	1,663	О	0	0	0	1,663	C	0	0	0	0	1,663
0	83	ASHBRIDGES BAY LANDFORMS-201	7 SC CW	S3	04	-4,545	0	0	0	0	-4,545	4,550	5	0	0	0	0	5	C	0	0	0	0	5
0	84	SWM CONVEYANCE 2017	CW	S4	04	3,460	2,172	1,010	0	0	6,642	0	6,642	a	0	535	0	6,107	C	0	0	0	0	6,642
0	85	HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	CW	S4	04	200	0	0	0	0	200	0	200	О	0	16	0	184	C	0	0	0	0	200
0	86	GREEN STREETS	CW	S4	04	333	568	403	170	0	1,474	0	1,474	0	0	119	0	1,355	C	0	0	0	0	1,474
0	92	WWFMP IMPLEMENTATION - DESIGN 2017 SC	N - CW	S3	04	-872	-712	1,400	1,450	0	1,266	0	1,266	О	0	101	0	1,165	C	0	0	0	0	1,266
0	93	SWM INA/EA- 2017 SC	CW	S3	04	-282	100	275	0	0	93	0	93	0	0	8	0	85	C	0	0	0	0	93
0	94	PUBLIC EDUCATION- 2017 SC	CW	S3	04	60	610	0	0	0	670	0	670	o	0	54	0	616	C	0	0	0	0	670
0	95	SWM CONVEYANCE 2015- 2017 SC	CW	S3	04	-434	200	0	0	0	-234	0	-234	О	0	-19	0	-215	C	0	0	0	0	-234
0	96	SWM CONVEYANCE 2016- 2017 SC	CW	S3	04	-2,303	-245	0	0	0	-2,548	0	-2,548	О	0	-205	0	-2,343	C	0	0	0	0	-2,548
0	97	WATERFRONT MODELLING STUDIES	s cw	S4	05	25	100	100	100	100	425	75	500	О	0	40	0	460	C	0	0	0	0	500
		Sub-total				6,870	12,151	15,948	18,530	16,410	69,909	66,885	136,794	0	0	6,100	0	130,694	C	0	0	0	0	136,794
WA:	S906495	SEWER ASSET PLANNING																					T	
0	5	SEWER ASSET PLANNING	CW	S2	03	5,016	4,100	4,090	255	0	13,461	0	13,461	О	0	1,083	0	12,378	C	0	0	0	0	13,461
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	8,978	10,741	12,000	11,000	5,495	48,214	0	48,214	o	0	0	0	48,214	C	0	0	0	0	48,214
0	17	SEWER ASSET PLANNING - 10 YEAR	e cw	S6	04	0	1,500	1,500	4,500	4,500	12,000	25,000	37,000	α	0	1,621	0	35,379	C	0	0	0	0	37,000

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

masic	swater i io	gram																						
							Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced I	Ву		
	Project No. /SubProj No.		Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	bt - verable	Total Financing
		ASSET PLANNING													-									
0 1	8 SEWER PLAN	SYSTEM INSPECTION - 10 YEAR	R CW	S6	03	0	0	0	0	5,000	5,000	50,000	55,000	0	(0	0	55,000	0) 0	0	0	0	55,000
0 2	1 PPD - IN STUDIES	FRASTRUCTURE PLANNING S	CW	S2	05	225	0	0	0	0	225	0	225	0	(0	0	225	0	0	0	0	0	225
0 2		FRASTRUCTURE PLANNING S - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	(0	0	1,200	0) 0	0	0	0	1,200
0 3	1 SEWER	ASSET PLANNING-2017 SC	CW	S3	03	349	3,575	2,994	0	0	6,918	0	6,918	0	C	558	0	6,360	0	0	0	0	0	6,918
0 3	2 SEWER	SYSTEM INSPECTION-2017 SC	CW	S3	03	293	9,541	-4,255	-1,000	-5,495	-916	0	-916	0	(0	0	-916	0) 0	0	0	0	-916
0 3	3 PPD - IN STUDIES	FRASTRUCTURE PLANNING S- 2017 SC	CW	S3	05	-75	150	0	0	0	75	0	75	0	C	0	0	75	0	0	0	0	0	75
0 3	4 CORP IT	- IDC	CW	S4	04	147	0	0	0	0	147	0	147	0	C	0	0	147	0) 0	0	0	0	147
		Sub-total				14,933	29,607	16,479	14,905	9,650	85,574	75,750	161,324	0	C	3,262	0	158,062	0) 0	0	0	0	161,324
WAS906	6500 NEW SE	WER CONSTRUCTION																						
0 4	NEW SE	WERS - FUTURE	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	О	C	2,712	0	5,288	0) 0	0	0	0	8,000
0 5	NEW SE	WERS	CW	S2	05	506	0	0	0	0	506	0	506	o	(315	0	191	0) 0	0	0	0	506
0 2		FRONT SANITARY MASTER ING PLAN IMP	CW	S2	05	0	0	0	0	8,000	8,000	32,000	40,000	0	(20,000	0	20,000	0	0	0	0	0	40,000
0 2	5 DOWNS UPGRAD	VIEW LANDS EXTERNAL DES	CW	S2	05	1,495	2,000	4,500	0	0	7,995	0	7,995	0	(7,995	0	0	0	0	0	0	0	7,995
0 3		FRONT SANITARY MASTER ING PLAN-2017 SC	CW	S3	05	500	2,000	5,000	5,000	-8,000	4,500	-32,000	-27,500	0	(-13,750	0	-13,750	0) 0	0	0	0	-27,500
0 3	3 NEW SE	WERS- 2017 SC	CW	S3	05	-491	560	0	0	0	69	0	69	0	(42	0	27	0) 0	0	0	0	69
0 3		FRONT SANITARY MASTER ING PLAN - FUTURE	CW	S6	05	0	0	0	0	0	0	21,000	21,000	0	(5,723	0	15,277	0) 0	0	0	0	21,000
0 3		VIEW LANDS EXTERNAL DES- 2017 SC	CW	S3	05	-45	3,000	-2,950	0	0	5	0	5	0	C	5	0	0	0) 0	0	0	0	5
0 3	6 SHEPPA DON ST	ARD SANITARY SEWER AT EAST S	CW	S6	05	0	1,000	2,000	1,000	0	4,000	0	4,000	0	C	1,356	0	2,644	0) 0	0	0	0	4,000
		Sub-total				1,965	8,560	9,550	7,000	1,000	28,075	26,000	54,075	0	C	24,398	0	29,677	0) 0	0	0	0	54,075
WAS906	6501 YARD &	BUILDING RENOVATION																						
0 1	1 YARDS 8	& BUILDING RENOVATION	CW	S2	04	2	2	0	0	0	4	0	4	0	C	0	0	4	0) 0	0	0	0	4
		Sub-total				2	2	0	0	0	4	0	4	0	(0	0	4	0) 0	0	0	0	4
WAS906	6735 DIST SE	WER REHAB OPS YR2005																						
0 1	0 GROUP UPGRAI	1 SEWAGE PUMPING STATION DES	CW	S2	03	6	0	0	0	0	6	0	6	0	C	0	0	6	0) 0	0	0	0	6

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

	ator i rogiani																						
						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	oject No. Project Name ubProj No. Sub-project Name	Ward :	Stat. (Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Red	Debt - coverable	Total Financing
WAS90673	5 DIST SEWER REHAB OPS YR2005																						
0 18	GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2017 SC	I CW	S3	03	-3	12	69	0	0	78	0	78	c) () 7	0	71	0	0	0	0	0	78
	Sub-total			Ī	3	12	69	0	0	84	0	84	0	. () 7	0	77	0	0	(C	0	84
WAS90674	1 HIGHLAND CREEK TP YR2005			Ī																			
0 1	WAS THICKENING AND DEWATERING ENG	- CW	S2	03	40	6	0	0	0	46	0	46	c) () 3	0	43	0	0	0	0	0	46
0 19	WAS THICKENING AND DEWATERING ENG- 2017 SC	- CW	S3	03	-27	4	0	0	0	-23	0	-23	С) () -1	0	-22	0	0	0	0	0	-23
	Sub-total				13	10	0	0	0	23	0	23	0	(2	0	21	0	0	(C	0	23
WAS90674	2 HUMBER TP YR2005			Ī																			
0 8	ODOUR CONTROL ENGINEERING	CW	S2	04	1,275	100	60	0	0	1,435	0	1,435	c) (0	0	1,435	0	0	0	0	0	1,435
0 56	ODOUR CONTROL ENGINEERING-2017 SC	7 CW	S3	04	-74	410	540	100	20	996	0	996	C) (0	0	996	0	0	0	0	0	996
	Sub-total			Ī	1,201	510	600	100	20	2,431	0	2,431	0	(0	0	2,431	0	0		C	0	2,431
WAS90674	3 ASHRIDGES BAY TP YR2005			Ī																			
0 1	MISC MECH ENGINEERING	CW	S2	03	786	838	87	0	0	1,711	0	1,711	c) (138	0	1,573	0	0	0	0	0	1,711
0 7	SERVICE AIR UPGRADES	CW	S2	03	2,885	1,497	150	0	0	4,532	0	4,532	C) (0	0	4,532	0	0	0	0	0	4,532
0 59	MISC MECH ENGINEERING- 2017 SC	CW	S3	03	-386	-438	395	80	0	-349	0	-349	c) (-29	0	-320	0	0	0	0	0	-349
0 60	SERVICE AIR UPGRADES- 2017 SC	CW	S3	03	-1,785	949	-75	0	0	-911	0	-911	C) (0	0	-911	0	0	0	0	0	-911
	Sub-total				1,500	2,846	557	80	0	4,983	0	4,983	0	. (109	0	4,874	0	0		C	0	4,983
WAS90675	5 WESTERN BEACHES RETROFIT			Ī																			
0 1	WESTERN BEACHES RETROFIT	CW	S2	03	4,709	3,092	1,057	15	86	8,959	0	8,959	c) (721	0	8,238	0	0	0	0	0	8,959
0 15	WESTERN BEACHES RETROFIT- 2017	SC CW	S3	03	-3,489	2,224	5,285	5,870	-71	9,819	86	9,905	C) (798	0	9,107	0	0	0	0	0	9,905
	Sub-total				1,220	5,316	6,342	5,885	15	18,778	86	18,864	0	(1,519	0	17,345	0	0	(C	0	18,864
WAS90692	6 OPERATIONAL SUPPORT																						
0 6	FACILITY RENOVATION	CW	S2	04	1,450	1,000	0	0	0	2,450	0	2,450	c) (0	0	2,450	0	0	0	0	0	2,450
0 7	RENOVATION - MERTON STREET	CW	S2	04	5	0	0	0	0	5	0	5	C) (0	0	5	0	0	0	0	0	5
0 23	EMP MONITORING NEEDS	CW	S2	04	95	0	0	0	0	95	0	95	c) (0	0	95	0	0	0	0	0	95
0 40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	4,119	5,309	5,808	4,024	24	19,284	0	19,284	C) (0	0	19,284	0	0	0	0	0	19,284

Report 7C

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

							Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub- Priority		iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal I	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovers Debt		Total Financing
WAS90	6926	OPERATIONAL SUPPORT																						
0 7	1	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 9	15	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 9	8	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0 1	00	DIVISIONAL SECURITY	CW	S2	04	1,025	0	0	0	0	1,025	0	1,025	0	0	0	0	1,025	0	0	0	0	0	1,025
0 1	05	BACKUP POWER - FINCH AND DEE	CW	S4	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 1	07	OFFICE MODERNIZATION - MH18	CW	S4	04	625	1,875	0	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0 1	08	DIVISIONAL SECURITY- 2017 SC	CW	S3	04	0	1,030	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030
0 1	09	FACILITY RENOVATION- 2017 SC	CW	S3	04	-700	-250	750	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0 1	10	RENOVATION - MERTON STREET- 2017 SC	CW	S3	04	0	20	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0 1	11	DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	CW	S3	02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0 1	12	EMP MONITORING NEEDS- 2017 SC	CW	S3	04	-45	50	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0 1	13	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 SC	CW	S3	04	91	203	-793	725	27	253	0	253	0	0	0	0	253	0	0	0	0	0	253
0 1	14	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S4	04	250	250	1,000	2,000	400	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
		Sub-total				7,415	9,487	7,895	8,629	2,331	35,757	9,400	45,157	0	0	0	0	45,157	0	0	0	0	0	45,157
WAS90	6958	SEWER SYSTEM REHABILITATION																						
0 2	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	0	0	1	0	9	0	0	0	0	0	10
0 5	i	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	0	0	0	0	59	0	0	0	0	0	59
0 7	•	10 YEAR SEWER REHABILITATION	CW	S6	03	0	1,500	41,400	51,900	57,945	152,745	305,230	457,975	0	0	0	0	457,975	0	0	0	0	0	457,975
0 8	3	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	561	0	0	0	0	561	0	561	0	0	45	0	516	0	0	0	0	0	561
0 9)	SEWER REHABILITATION	CW	S2	03	9,700	3,581	0	0	0	13,281	0	13,281	0	0	0	0	13,281	0	0	0	0	0	13,281
0 2	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	163	0	0	0	0	163	0	163	o	0	13	0	150	0	0	0	0	0	163
0 2	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	7,708	6,300	6,165	1,928	28	22,129	0	22,129	0	0	1,781	0	20,348	0	0	0	0	0	22,129
0 7	9	SEWER REHABILITATION - CWD	CW	S2	03	34,274	15,250	0	0	0	49,524	0	49,524	0	0	3,551	0	45,973	0	0	0	0	0	49,524
0 8	31	CCTV INSPECTION-2017 SC	CW	S3	03	1,141	1,200	0	0	0	2,341	0	2,341	0	0	0	0	2,341	0	0	0	0	0	2,341

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

				[Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAS9069	958 SEWER SYSTEM REHABILITATION																						
0 82	SEWER REHABILITATION-2017 SC	CW	S3	03	14,453	12,580	6,036	36	0	33,105	0	33,105	0	C	0	0	33,105	0	0	0	0	0	33,105
0 83	SEWER REHABILITATION - CWD-2017 SC	CW	S3	03	4,258	23,711	18,200	1,700	1,700	49,569	1,850	51,419	0	C	-3,551	0	54,970	0	0	0	0	0	51,419
0 86	SEWAGE PUMPING STATION STANDBY POWER - 2017 SC	CW	S3	02	-144	114	0	0	0	-30	0	-30	0	C	-2	0	-28	0	0	0	0	0	-30
0 87	GROUPS 2 3 4 SEWAGE PUMPING STATION UPGR- 2017 SC	CW	S3	03	0	32	0	0	0	32	0	32	o	C	3	0	29	0	0	0	0	0	32
0 88	SPS SCADA UPGRADES - ENGINEERING 2017 SC	- CW	S3	04	-173	214	0	0	0	41	0	41	0	C	3	0	38	0	0	0	0	0	41
0 89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017 SC	CW	S3	05	-4,308	0	100	2,000	2,100	-108	0	-108	0	C	-9	0	-99	0	0	0	0	0	-108
0 90	SEWER REHABILITATION - LATERAL REHAB I/I REDUCTION	CW	S6	03	0	0	100	1,000	1,000	2,100	200	2,300	0	C	0	0	2,300	0	0	0	0	0	2,300
	Sub-total				67,702	64,482	72,001	58,564	62,773	325,522	307,280	632,802	0	C	1,835	0	630,967	0	0	0	0	0	632,802
WAS9069	960 STREAM RESTORATION & EROSION COI	NTRC		İ																			
0 1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	42	0	0	0	0	42	0	42	0	C	3	0	39	0	0	0	0	0	42
0 5	10 YEAR STREAM RESTORATION - ALL DISTRICTS	CW	S6	03	0	0	0	0	0	0	38,950	38,950	0	C	3,135	0	35,815	0	0	0	0	0	38,950
0 7	STREAM RESTORATION	CW	S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	0	C	1,192	0	13,619	0	0	0	0	0	14,811
0 37	WATERCOURSE EROSION CONTROL	CW	S6	03	0	0	0	0	0	0	11,000	11,000	0	C	887	0	10,113	0	0	0	0	0	11,000
0 39	STREAM RESTORATION - PHASE 2	CW	S2	03	2,850	8,350	8,800	4,400	2,200	26,600	9,790	36,390	0	C	2,927	0	33,463	0	0	0	0	o	36,390
0 41	WATERCOURSE - ENGINEERING	CW	S4	03	100	1,175	1,135	1,025	1,030	4,465	1,490	5,955	0	C	480	0	5,475	0	0	0	0	0	5,955
0 43	PARTNER PROJECTS	CW	S4	03	1,000	1,600	1,600	600	200	5,000	0	5,000	O	C	403	0	4,597	0	0	0	0	0	5,000
0 45	WATERCOURSE - CONSTRUCTION	CW	S6	03	0	100	4,050	10,600	9,130	23,880	14,000	37,880	0	C	3,051	0	34,829	0	0	0	0	0	37,880
0 48	STREAM RESTORATION - 2017 SC	CW	S3	03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	C	-943	0	-10,773	0	0	0	0	0	-11,716
0 49	STREAM RESTORATION - PHASE 2 - 201 SC	7 CW	S3	03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	C	-2,927	0	-33,463	0	0	0	0	0	-36,390
0 50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	C	1	0	2	0	0	0	0	0	3
0 51	STUDIES, EAS, MASTER PLANS	CW	S4	03	910	1,740	1,930	860	410	5,850	50	5,900	0	C	474	0	5,426	0	0	0	0	0	5,900
0 52	CRITICAL REPAIRS	CW	S4	03	825	1,775	1,500	1,275	1,575	6,950	2,555	9,505	0	C	766	0	8,739	0	0	0	0	0	9,505
0 53	EMERGENCY EROSION CONTROL	CW	S4	03	300	740	850	300	300	2,490	150	2,640	0	C	212	0	2,428	0	0	0	0	0	2,640

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

				3	,																		
Wastev	vater Program																						
						Curre	ent and Fu	ture Year	Cash Flov	w Commitn	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Comm	nitments l	Financed	Ву		
PriorityS	<u> </u>	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
0 54	60 STREAM RESTORATION & EROSION COI STUDY, EA, MASTER PLAN UPDATES - FUTURE		S6	03	0	0	0	0	0	0	2,500	2,500	C	. (200	0	2,300	C) () 0	0	0	2,500
	Sub-total				5,986	7,419	11,065	14,660	12,645	51,775	70,695	122,470	0	(0 9,861	0	112,609	C) () (0	0	122,470
WAS9069	66 SWM TRCA FUNDING																						
0 8	10 YEAR TRCA FUNDING	CW	S6	04	0	4,382	4,491	4,604	4,719	18,196	25,425	43,621	С	(3,511	0	40,110	C) () 0	0	0	43,621
0 23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	CW	S3	04	4,275	0	0	0	0	4,275	0	4,275	c	(344	0	3,931	C) (0	0	0	4,275
	Sub-total				4,275	4,382	4,491	4,604	4,719	22,471	25,425	47,896	0	(3,855	0	44,041	C) () (0	0	47,896
WAS9069	68 ENGINEERING																						
0 2	CONSULTING FEES	CW	S2	03	13,978	9,453	6,307	5,554	1,313	36,605	0	36,605	C	(0 0	0	36,605	C) (0	0	0	36,605
0 59	ROAD RESTORATION	CW	S2	03	1,838	0	0	0	0	1,838	0	1,838	c	(0 0	0	1,838	C) (0	0	0	1,838
0 64	CONSULTING FEES	CW	S3	03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	c	(0 0	0	10,040	C) (0	0	0	10,040
0 65	ECS SALARIES	CW	S3	03	13,936	0	0	0	0	13,936	0	13,936	c	(0 0	0	13,936	C) (0 0	0	0	13,936
0 66	ROAD RESTORATION- 2017 SC	CW	S3	03	-1,038	800	0	0	0	-238	0	-238	c	(0 0	0	-238	C) (0	0	0	-238
	Sub-total				26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	(0 0	0	62,181	C) () (0	0	62,181
WAS9069	73 SEWER REPLACEMENT PROGRAM																						
0 3	10YR SEWER REPLACEMENT	CW	S6	03	0	0	9,000	15,000	15,000	39,000	75,000	114,000	С	(5,001	0	108,999	C) (0	0	0	114,000
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	10	0	0	0	0	10	0	10	c	(0 0	0	10	C) (0 0	0	0	10
0 25	2012 SEWER REPLC	CW	S2	03	415	0	0	0	0	415	0	415	c	(0 0	0	415	C) (0	0	0	415
0 35	2013 SEWER REPLC	CW	S2	03	1	0	0	0	0	1	0	1	c		0 0	0	1	C) (0	0	0	1
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	631	0	0	0	0	631	0	631	С	(0 2	0	629	C) (0	0	0	631
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW	S6	03	0	0	0	1,000	2,000	3,000	10,000	13,000	c	(0 0	0	13,000	C) (0	0	0	13,000
0 46	EBF REPORT	CW	S2	04	41	0	0	0	0	41	0	41	c	(0 27	0	14	C) (0	0	0	41
0 52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,951	1,900	1,786	0	0	5,637	0	5,637	c	(0 0	0	5,637	C) (0	0	0	5,637
0 55	SEWER REPLACEMENT - LESLIE ST 201'SC	7 CW	S3	03	147	0	0	0	0	147	0	147	c	(0 12	0	135	C) (0	0	0	147
0 62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	c	(0 137	0	1,556	C) (0	0	0	1,693
0 71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	c	(0 1,194	0	13,638	C) (0	0	0	14,832

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Secure Service Servi								Curr	ont and E	ituro Voor	Cook Flor	u Commite	nonto			· · · ·		Va	Cook Flo	C	itus austa F		D.,		
Sub- Price No. Price of Name Ward Start Cap Ward Ward Ward Start Cap Ward Wa							<u> </u>	Curre	ziii afiü Fl	iture rear	Casii Fio	w Committ	ilettics			Cui	rent and F	uture rear	Cash Fio		naments F	manced			
Second S				Ward	l Stat.	Cat.	2017	2018	2019	2020	2021				Grants and	Federal Subsidy	Development Charges			from	Other 1	Other2	Recover	able	Total Financing
Server Repair C - 2017 PROCRAMA																									
	0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	О	0	0	0	23,475	C) 0	0	0	0	23,475
	0	78	SEWER REPLC - 2017 PROGRAM	CW	S4	03	4,898	2,047	1,257	0	0	8,202	0	8,202	o	0	660	0	7,542	C) 0	0	0	0	8,202
SC 82 SEVER REPLACEMENT - METROLINX - CV S3 03 -1,759	0	79	SEWER REPLC - 2018 PROGRAM	CW	/ S6	03	0	4,266	1,216	608	0	6,090	0	6,090	О	0	267	0	5,823	C) 0	0	0	0	6,090
2017 SC	0	81		017 CW	S3	03	-607	335	0	0	0	-272	0	-272	o	0	27	0	-299	C	0	0	0	0	-272
1	0	82		1X - CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	o	0	0	0	540	C) 0	0	0	0	540
0 85 EBF REPORT-2017 SC CW S3 04 989 0 0 0 0 0 0 989 0 989 0 0 627 0 332 0 0 0 0 0 0 0 989 0 889	0	83	FORCEMAIN REPLACEMENT- 2017 S	sc cw	S3	03	-5	25	0	0	0	20	0	20	o	0	0	0	20	C) 0	0	0	0	20
0 86 EBF REPORT-2017 SC CW S3 04 4.442 0 0 0 0 0 0 4.442 0 4.442 0 0 2.205 0 1.537 0 0 0 0 0 0 4.442 0 4.442 0 0 4.442 0 0 2.205 0 1.537 0 0 0 0 0 0 0 4.442 0 4.442 0 0 2.205 0 1.537 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	84	2012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	o	0	0	0	-293	C	0	0	0	0	-293
0 87 SEWER REPLC - 2015 PROGRAM - 2017 CW S3 03 314 505 0 0 0 819 0 819 0 0 65 0 754 0 0 0 0 0 819 0 819 0 0 65 0 754 0 0 0 0 0 0 819 0 819 0 0 65 0 754 0 0 0 0 0 0 0 819 0 819 0 0 65 0 754 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	85	EBF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	o	0	627	0	332	C	0	0	0	0	959
SC 0 88 SEWER REPLC - 2016 PROGRAM - 2017 CW S3 03 -4,021 4,788 0 0 0 767 0 767 0 0 62 0 705 0 0 0 0 0 0 0 0 0	0	86	EBF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	o	0	2,905	0	1,537	C) 0	0	0	0	4,442
SC 0 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW S3 03 3,100 900 1,000 - 25 - 25 - 1,250 0 - 1,250 0 0 0 0 0 - 1,250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	87		017 CW	S3	03	314	505	0	0	0	819	0	819	o	0	65	0	754	C	0	0	0	0	819
SC Sub-total 19,132 27,950 24,334 18,549 18,941 108,906 85,000 193,906 0 0 10,986 0 182,920 0 0 0 0 0 0 193,906 0 0 9 193,906 0 0 9 10,986 0 182,920 0 0 0 0 0 0 193,906 0 0 9 193,906 0 0 9 10,986 0 182,920 0 0 0 0 0 0 1,148 0 0 0 0 0 1,1248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,148 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	88	SEWER REPLC - 2016 PROGRAM- 20 SC	017 CW	S3	03	-4,021	4,788	0	0	0	767	0	767	o	0	62	0	705	C	0	0	0	0	767
Name	0	89		2017 CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	o	0	0	0	-1,250	C) 0	0	0	0	-1,250
DEWATERING EQUIPMENT UPGRADES CW S2 03 1,248 0 0 0 1,248 0 1,248 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 0 1,248 0 1,248 0 0 1,248 0			Sub-total				19,132	27,950	24,334	18,549	18,941	108,906	85,000	193,906	0	0	10,986	0	182,920	C) 0	0	0	0	193,906
0 42 DEWATERING EQUIPMENT UPGRADES- CW S3 03 -1,248 0 0 0 -1,248 0 -1,248 0 0 -1,248 0 0 -1,248 0 0 -1,148 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAS	S906980	ASHBRIDGES BAY T.P. YR2006																						
Sub-total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	9	DEWATERING EQUIPMENT UPGRAD	DES CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	O	0	100	0	1,148	C) 0	0	0	0	1,248
WAS906981 HIGHLAND CREEK WWTP UPGRADES 0 1 PROCESS & FACILITY UPGRADE CW S2 04 2,970 720 615 848 640 5,793 35 5,828 0 0 0 0 0 5,828 0 0 0 0 0 5,828 0 3 BIOSOLIDS TREATMENT UPGRADES CW S2 03 10,075 120 120 70 0 10,385 0 10,385 0 0 842 0 9,543 0 0 0 0 0 10,385 0 5 TRANSFORMERS AND SWITCHGEAR CW S2 05 510 500 0 0 0 1,010 0 1,010 0 0 81 0 929 0 0 0 0 0 1,010 0 7 MECH & ELECTRICAL UPGRADE CW S2 03 671 0 0 0 0 671 0 671 0 0 0 0 671 0 0 0 0 671 0 8 DIGESTER GAS SYSTEM UPGRADES CW S2 03 9,238 2,525 1,300 0 0 13,063 0 13,063 0 0 0 0 13,063 0 0 0 0 0 13,063	0	42		DES- CW	S3	03	-1,248	0	0						О	0	-100	0) 0	0	0	0	-1,248
0 1 PROCESS & FACILITY UPGRADE CW S2 04 2,970 720 615 848 640 5,793 35 5,828 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 5,828 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 0 5,828 0 0 0 0 0 0 5,828 0 0 0 0 0 0 10,388 0 0 3 BIOSOLIDS TREATMENT UPGRADES CW S2 03 10,075 120 120 70 0 10,385 0 10,385 0 0 842 0 9,543 0 0 0 0 0 0 10,388 0 0 5 TRANSFORMERS AND SWITCHGEAR CW S2 05 510 500 0 0 0 1,010 0 1,010 0 0 81 0 929 0 0 0 0 0 0 1,010 0 7 MECH & ELECTRICAL UPGRADE CW S2 03 671 0 0 0 0 671 0 671 0 0 0 0 0 671 0 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	C) 0	0	0	0	0
0 3 BIOSOLIDS TREATMENT UPGRADES CW S2 03 10,075 120 120 70 0 10,385 0 10,385 0 0 842 0 9,543 0 0 0 0 0 10,385 0 5 TRANSFORMERS AND SWITCHGEAR CW S2 05 510 500 0 0 0 1,010 0 1,010 0 0 81 0 929 0 0 0 0 0 0 1,010 0 7 MECH & ELECTRICAL UPGRADE CW S2 03 671 0 0 0 0 671 0 671 0 671 0 0 0 0 671 0 0 0 0 0 13,063 0 0 0 0 0 13,063 0 0 0 0 0 13,063	WAS	906981	HIGHLAND CREEK WWTP UPGRADE	<u>s</u>																					
0 5 TRANSFORMERS AND SWITCHGEAR CW S2 05 510 500 0 0 0 1,010 0 1,010 0 0 81 0 929 0 0 0 0 0 1,010 0 7 MECH & ELECTRICAL UPGRADE CW S2 03 671 0 0 0 671 0 671 0 671 0 0 0 0 671 0 0 0 0 671 0 0 0 0 671 0 0 0 0 13,063 0 0 0 0 0 13,063	0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	О	0	0	0	5,828	C) 0	0	0	0	5,828
0 7 MECH & ELECTRICAL UPGRADE CW S2 03 671 0 0 0 0 671 0 671 0 0 0 0 671 0 0 0 0 671 0 0 0 0 671 0 0 0 0 0 671 0 0 0 0 0 671 0 0 0 0 0 13,063 0 0 0 0 0 13,063 0 0 0 0 0 13,063	0	3	BIOSOLIDS TREATMENT UPGRADES	S CW	S2	03	10,075	120	120	70	0	10,385	0	10,385	О	0	842	0	9,543	C) 0	0	0	0	10,385
ENGINEERING 0 8 DIGESTER GAS SYSTEM UPGRADES CW S2 03 9,238 2,525 1,300 0 0 13,063 0 0 0 0 13,063 0 0 0 0 13,063	0	5	TRANSFORMERS AND SWITCHGEAR	R CW	S2	05	510	500	0	0	0	1,010	0	1,010	0	0	81	0	929	C) 0	0	0	0	1,010
	0	7		CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	C) 0	0	0	0	671
0 23 ELECTRICAL UPGRADES - ECAR CW S2 03 1,117 650 7,230 1,210 0 10,207 0 0 0 0 0 10,207 0 0 0 0 10,207	0	8	DIGESTER GAS SYSTEM UPGRADES	s cw	S2	03	9,238	2,525	1,300	0	0	13,063	0	13,063	o	0	0	0	13,063	C) 0	0	0	0	13,063
	0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	0	0	0	0	10,207	C) 0	0	0	0	10,207

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

vvas	lewa	ter Program																						
						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	ture Year	Cash Flo	w Commi	itments F	inanced	Ву			
Sub-		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover	able	Total Financing
		HIGHLAND CREEK WWTP UPGRADES	vvara	Otat.	Oat.	2011	20.0	20.0	2020		2017 2021		2017 2020	Subsidies	Cubolay					0 11.01	00.2	2001		1 manong
	136	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 SC	CW	S3	03	-195	100	100	0	0	5	0	5	a	C	0	0	5	0	0	0	0	0	5
0	137	PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	CW	S3	03	-1,240	0	0	0	0	-1,240	0	-1,240	О	C	0	0	-1,240	0	0	0	0	0	-1,240
0	138	COMMUNICATION SYSTEM- 2017 SC	CW	S3	04	-300	-475	-1,425	1,100	1,200	100	50	150	О	(0	0	150	0	0	0	0	0	150
		Sub-total				18,355	35,168	42,531	29,003	19,567	144,624	196,229	340,853	0	C	865	0	339,988	0	0	0	0	0	340,853
WASS	06982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	451	0	0	0	0	451	0	451	О	(0	0	451	0	0	0	0	0	451
0	5	FLOOD PROTECTION	CW	S2	02	180	0	0	0	0	180	0	180	o	(0	0	180	0	0	0	0	0	180
0	6	NEW SUBSTATION	CW	S2	03	42	5	0	0	0	47	0	47	O	C	0	0	47	0	0	0	0	0	47
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,885	2,200	1,100	23	23	6,231	0	6,231	O	C	0	0	6,231	0	0	0	0	0	6,231
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	670	410	160	25	25	1,290	0	1,290	O	(0	0	1,290	0	0	0	0	0	1,290
0	52	HVAC UPGRADES	CW	S2	03	7,390	667	17	0	0	8,074	0	8,074	0	(0	0	8,074	0	0	0	0	0	8,074
0	81	BLOWER REPLACEMENT	CW	S2	03	475	0	100	200	750	1,525	17,350	18,875	0	(0	0	18,875	0	0	0	0	0	18,875
0	82	DIGESTERS CLEANING REHAB	CW	S6	03	0	550	1,400	1,500	1,500	4,950	1,550	6,500	O	C	0	0	6,500	0	0	0	0	0	6,500
0	83	ELECTRICAL UPGRADES - FUTURE	CW	S6	01	0	0	0	0	400	400	1,800	2,200	O	(0	0	2,200	0	0	0	0	0	2,200
0	84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	5,150	5,150	O	C	0	0	5,150	0	0	0	0	0	5,150
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,509	0	0	0	0	1,509	0	1,509	O	C	0	0	1,509	0	0	0	0	0	1,509
0	99	WET WEATHER FLOW	CW	S2	04	2,315	1,450	1,000	0	0	4,765	0	4,765	O	(0	0	4,765	0	0	0	0	0	4,765
0	101	FLOOD PROTECTION-2017 SC	CW	S3	02	20	0	0	0	0	20	0	20	O	(0	0	20	0	0	0	0	0	20
0	102	HVAC UPGRADES-2017 SC	CW	S3	03	-2,598	3,483	2,133	17	17	3,052	0	3,052	o	(0	0	3,052	0	0	0	0	0	3,052
0	103	BLOWER REPLACEMENT-2017 SC	CW	S3	03	-225	250	0	0	0	25	0	25	0	(0	0	25	0	0	0	0	0	25
0	104	REPLACEMENT OF WASTE GAS BURNERS-2017 SC	CW	S3	03	-1,159	1,800	4,500	2,700	50	7,891	50	7,941	o	(0	0	7,941	0	0	0	0	0	7,941
0	105	WET WEATHER FLOW-2017 SC	CW	S3	04	-1,715	250	500	1,000	0	35	0	35	o	(0	0	35	0	0	0	0	0	35
0	107	MESI UPGRADES	CW	S4	03	500	500	500	500	500	2,500	0	2,500	o	(0	0	2,500	0	0	0	0	0	2,500
0	108	BUILDING UPGRADES ENGINEERING- 2017 SC	CW	S3	03	30	100	0	0	0	130	0	130	O	C	0	0	130	0	0	0	0	0	130

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Gross Expenditures (\$000's)

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

Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Debt Capital Federal Development Charnes Reserves Funds Total Total Sub- Project No. Project Name Total Reserve from Recoverable Total Grants and 2017 2018 2019 2020 2021 2022-2026 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2017-202 2017-2026 Other 1 Other 2 Debt WAS906982 HUMBER WWTP UPGRADES 109 CHLORINE FACILITY UPGRADE- 2017 SC CW S3 -390 638 0 Ω 248 248 n Ω n Ω 248 n n 0 248 ELECTRICAL CONDITION ASSESSMENT -1,232 275 1,610 0 653 653 653 0 653 RECOM- 2017 SC NEW SUBSTATION- 2017 SC 111 CW S3 03 0 0 0 0 Ω 0 0 -4 0 0 0 0 112 NEW GROUNDSKEEPING BUILDING-CW S3 17 0 17 17 17 0 0 0 17 01 0 2017 SC 113 ADMIN BUILDING EXPANSION -CW S3 04 -387 90 445 475 418 1,041 20 1,061 0 0 0 1,061 0 0 0 1,061 ENGINEERING-2017 SC 0 114 FIELD OFFICE- 2017 SC CW S3 0.3 322 n 0 0 322 Ω 322 n 0 Ω 0 322 n n n 0 322 ADMIN BUILDING EXPANSION -CW S6 04 0 100 4,000 3,900 455 8,455 8,455 0 8,455 0 0 0 8,455 CONSTRUCTION 18.500 26.500 SERVICE REHAB AND UPGRADES CW S4 1.000 500 8.250 8.000 26.500 26 500 0 116 03 500 8 250 n Ω 0 0 n n 0 0 13,768 Sub-total 9,596 17,965 18,590 12,388 72,307 33,920 106,227 0 0 0 0 106,227 0 0 0 0 106,227 WAS906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HA HIGHLAND CREEK WWTP - BMP CW S2 04 3,029 4,340 1,600 655 2,000 11,624 500 12,124 n 0 976 n 11,148 n n 0 12,124 IMPLEMENTATION WAS THICKENING - CONSTR CW S2 102 102 102 0.3 102 n 0 94 n 0 0 3 n n Ω Ω n HIGHLAND CREEK WWTP - BMP CW S6 0 10.000 25,000 35,000 65,000 100,000 4.388 95.612 0 0 100,000 IMPLEMENTATION 452 WAS THICKENING - CONSTR-2017 SC CW S3 -52 504 0 452 452 37 415 0 0 0 17 03 0 n n n 18 HCTP BMP IMPLEMENTATION-2017 SC -2,929 -1,840 900 1,845 200 -1,824 5,100 3,276 263 3,013 0 3,276 Sub-total 150 3.004 2.500 12.500 27.200 45.354 70.600 115.954 0 0 5.672 0 110.282 0 0 0 0 115.954 WAS907038 Land Acquisition for Source Water Protect 10,000 TRCA - CRITICAL EROSION SITES -CW S6 18.000 18.000 2.000 2 000 2 000 2.000 8,000 1 449 16 551 n 0 0 9 04 Ω Ω Ω Ω n n **FUTURE** TRCA - SCARBOROUGH WATERFRONT CW S2 85 85 78 0 85 TRAIL FA 21 TRCA - WATERCOURSE EROSION CW S6 7,500 7,500 7,500 28,500 43,500 72,000 5,795 18 205 0 48 000 72,000 0 04 Ω 6,000 n Ω Ω n 0 CONTROL TRCA - SCARBOROUGH WATERFRONT 1,785 0 25 1,385 400 0 1,785 1,785 47 1,738 0 WEST FA TRCA - CRITICAL EROSION SITES-2017 8,000 8,000 0 27 CW S3 8,000 0 0 0 8,000 n Ω 644 0 7,356 0 0 0 565 0 28 TRCA - SCARBOROUGH WATERFRONT CW S3 -385 600 350 0 565 565 0 0 141 424 0 0 0 0 0 WEST EA - 2017 SC 9.500 46.935 53.500 100.435 100.435 9.085 9 000 9.850 9.500 0 8 083 0 44 352 0 48.000 n Sub-total 0 0 WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

								Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and F	ıture Year	Cash Flo	w Comm	itments I	inanced	Ву		
Sub Prio			Project Name Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - coverable	Total Financing
WAS	907097	ASHBRID	GES BAY WWTP - BUILDING SEF	RVIC																					
0	7		LLED SUBSTANCE CATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	c	C	0	0	100	0	C	0	0	0	100
0	19	BIO GAS	UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	С	C	0	0	4,435	0	C	0	0	0	4,435
0	21		BLDG & OLD NORTH ION IMPROVEMENTS	CW	S2	04	850	1,950	2,455	30	30	5,315	0	5,315	С	C	0	0	5,315	0	C	0	0	0	5,315
0	40	GROVE L	ANDSCAPING - PHASE 2	CW	S6	04	0	0	0	0	0	0	1,300	1,300	C	C	0	0	1,300	0	C	0	0	0	1,300
0	52		LLED SUBSTANCE CATION&ABATEMENT - FY	CW	S6	03	0	0	0	0	100	100	500	600	С	C	0	0	600	0	C	0	0	0	600
0	61	CONTRO IDENTIFIC	LLED SUBSTANCE CATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	С	C	0	0	300	0	C	0	0	0	300
0	62	BIO GAS	UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	С	C	0	0	1,865	0	C	0	0	0	1,865
0	63		BLDG OLD NORTH ION IMPRO - 2017 SC	CW	S3	04	-400	-20	-485	135	180	-590	1,055	465	С	C	0	0	465	0	C	0	0	0	465
0	64	GROVE L	ANDSCAPING - PHASE 1	CW	S4	04	790	1,045	0	0	0	1,835	0	1,835	С	C	0	0	1,835	0	C	0	0	0	1,835
			Sub-total				1,540	4,075	3,070	2,265	2,310	13,260	2,955	16,215	0	C	0	0	16,215	0	C	0	0	C	16,215
WAS	907098	ASHBRID	GES BAY WWTP - EFFLUENT SY	STE																					
0	1	DISINFEC	CTION ENGINEERING	CW	S2	02	4,184	6,200	960	167	123	11,634	0	11,634	С	C	936	0	10,698	0	C	0	0	0	11,634
0	2	OUTFALL	CONSTRUCTION	CW	S6	02	0	5,000	30,000	52,000	57,000	144,000	183,000	327,000	c	C	14,342	0	312,658	0	C	0	0	0	327,000
0	13	OUTFALL	ASSESSMENT	CW	S2	02	940	0	0	0	0	940	0	940	c	C	94	0	846	0	C	0	0	0	940
0	14	OUTFALL	ENGINEERING	CW	S2	02	8,710	4,500	5,000	5,000	5,000	28,210	6,929	35,139	С	C	2,827	0	32,312	0	C	0	0	0	35,139
0	15	DISINFEC	CTION SYSTEM CONSTRUCTION	CW	S4	02	100	75,000	90,000	64,900	0	230,000	0	230,000	c	C	18,510	0	211,490	0	C	0	0	0	230,000
0	28	DISINFEC	CTION ENGINEERING-2017 SC	CW	S3	02	-3,174	200	1,537	1,440	-48	-45	75	30	C	C	2	0	28	0	C	0	0	0	30
0	29	OUTFALL	ASSESSMENT - 2017 SC	CW	S3	02	-940	0	0	0	0	-940	0	-940	С	C	-94	0	-846	0	C	0	0	0	-940
0	30	OUTFALL	ENGINEERING- 2017 SC	CW	S3	02	-4,810	175	-620	-1,600	-1,600	-8,455	2,906	-5,549	C	C	-446	0	-5,103	0	C	0	0	0	-5,549
0	31	OUTFALL	- SITE PREP	CW	S4	02	50	450	0	0	0	500	0	500	С	C	40	0	460	0	C	0	0	0	500
			Sub-total				5,060	91,525	126,877	121,907	60,475	405,844	192,910	598,754	0	C	36,211	0	562,543	0	C	0	0	C	598,754
WAS	907099	ASHBRID	GES BAY WWTP - LIQUID TREAT	TME1																					
0	1	FINE BUE	BBLE AERATION - TANK #2	CW	S2	03	510	0	0	0	0	510	0	510	С	C	42	0	468	0	C	0	0	0	510
0	2	ODOUR O	CONTROL - PRIMARY TANKS 7-9 ES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	С	C	2,679	0	58,421	0	C	0	0	0	61,100

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

							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub Pric		pject No. Project Name Proj No. Sub-project Name	W	ard St	tat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	ble	Total Financing
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID	TREATM	<u>111</u>																				
0	3	P BLDG HEADWORKS UPGRADE		CW S	32 03	40,035	6,828	0	0	0	46,863	0	46,863	0	0	3,772	0	43,091	0	0	0	0	0	46,863
0	6	M & T PUMPING STATION CRITICA REPAIRS	L.	CW S	62 03	5,399	0	0	0	0	5,399	0	5,399	0	0	0	0	5,399	0	0	0	0	0	5,399
0	10	INTEGRATED PUMPING STATION (ENGINEERING	(IPS) -	CW S	32 03	6,740	8,000	8,000	8,000	7,500	38,240	12,250	50,490	0	0	0	0	50,490	0	0	0	0	0	50,490
0	12	WORK AREA 1 REHAB		CW S	32 03	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
0	39	INTEGRATED PUMPING STATION CONSTRUCTION	(IPS) -	CW S	32 03	0	10,000	45,000	45,000	50,000	150,000	175,000	325,000	0	0	0	0	325,000	0	0	0	0	0	325,000
0	71	INTEGRATED PUMPING STATION ENG-2017 SC	(IPS) -	CW S	3 03	-1,310	-1,371	-765	-3,290	-1,521	-8,257	7,134	-1,123	0	0	0	0	-1,123	0	0	0	0	0	-1,123
0	72	P BLDG HEADWORKS UPGRADE-2 SC	2017	CW S	33 03	-25,010	10,271	17,074	0	0	2,335	0	2,335	0	0	187	0	2,148	0	0	0	0	0	2,335
0	73	INTEGRATED PUMPING STATION (CONST-2017 SC	(IPS) -	CW S	33 03	250	-6,850	-30,000	-18,642	-3,000	-58,242	112,875	54,633	0	0	0	0	54,633	0	0	0	0	0	54,633
0	74	FINE BUBBLE AERATION - TANK #2 SC	2 - 2017	CW S	33 03	-500	540	0	0	0	40	0	40	0	0	2	0	38	0	0	0	0	0	40
0	75	WORK AREA 1 REHAB- 2017 SC		CW S	33 03	-3	10	0	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7
0	76	M & T PUMPING STATION CRITICA REPAIRS- 2017 SC	\L	CW S	33 03	-2,221	3,178	0	0	0	957	0	957	0	0	0	0	957	0	0	0	0	0	957
0	77	FINE BUBBLE AERATION - ENGINE	ERING	CW S	84 03	50	1,500	3,000	3,000	3,000	10,550	7,650	18,200	0	0	1,468	0	16,732	0	0	0	0	0	18,200
0	78	FINE BUBBLE AERATION - CONTRUCTION		CW S	6 03	0	0	15,000	15,000	15,000	45,000	30,000	75,000	0	0	3,290	0	71,710	0	0	0	0	0	75,000
0	79	FINE BUBBLE AERATION UPGRAD FUTURE	ES -	CW S	36 03	0	0	0	0	0	0	57,000	57,000	0	0	2,500	0	54,500	0	0	0	0	0	57,000
		Sub-total				23,943	32,106	57,309	49,068	70,979	233,405	463,009	696,414	0	0	13,940	0	682,474	0	0	0	0	0	696,414
WAS	907100	ASHBRIDGES BAY WWTP - SOLID	S & GAS I	HA_																			T	
0	3	WASTE ACTIVATED SLUDGE UPGENGINEERING	RADE -	CW S	32 03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	0	981	0	11,213	0	0	0	0	0	12,194
0	4	DIGESTERS 9-12 REFURBISH		CW S	32 03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	0	2,901	0	33,165	0	0	0	0	0	36,066
0	8	BIOSOLIDS PELLETIZER RETROF	TIT .	CW S	32 03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	22	WASTE ACTIVATED SLUDGE UPG CONSTRUCTION	RADE -	CW S	84 03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	0	12,071	0	137,929	0	0	0	0	0	150,000
0	25	PELLETIZER TRUCK LOADING FAC UPGRADES	CILITY	CW S	32 03	967	500	1,000	0	0	2,467	0	2,467	0	0	0	0	2,467	0	0	0	0	0	2,467
0	45	BIOSOLIDS PELLETIZER RETROF	TT-2017	CW S	33 03	0	400	400	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0	46	DIGESTERS 9-12 REFURBISH - 20	17 SC	CW S	33 03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0	0	335	0	3,813	0	0	0	0	0	4,148
0	47	WASTE ACTIVATED SLUDGE UPGENG - 2017 SC	RADE -	CW S	33 03	-1,843	413	0	0	1,000	-430	400	-30	0	0	-3	0	-27	0	0	0	0	0	-30

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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

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Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

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Waste	water Pro	ogram				J																		
							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	ow Commi	tments [Financed	Ву		
Priority		· · · · · · · · · · · · · · · · · · ·	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
0 48	PELLET	FIZER TRUCK LOADING FACILITY DES-2017 SC		S3	03	-480	200	290	0	0	10	0	10	C) () 0	0	10	0	0	0 0	0	0	10
		Sub-total				7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0) (16,285	0	189,770	0	0	0 0	0	0	206,055
WAS907	101 ASHBRI	IDGES BAY WWTP - O&M UPGRA	DES																					
0 5	BOILER	R #4 DESIGN	CW	S2	03	47	6	0	0	0	53	0	53	С) (0	0	53	0	0	0 0	0	0	53
0 6	MESI UI	PGRADES	CW	S2	03	3,448	3,074	3,167	0	0	9,689	0	9,689	c) (0	0	9,689	0	0	0 0	0	0	9,689
0 7	MISC M	IECH REHAB	CW	S2	03	8,120	1,900	0	0	0	10,020	0	10,020	c) (0	0	10,020	0	0	0 0	0	0	10,020
0 21	MESI UI	PGRADES - FUTURE YEAR	CW	S6	03	0	0	0	3,000	3,000	6,000	15,400	21,400	c) (0	0	21,400	0	0	0 0	0	0	21,400
0 32	MISC M	IECH REHAB- 2017 SC	CW	S3	03	-3,120	3,196	0	0	0	76	0	76	c) (0	0	76	0	0	0 0	0	0	76
0 33	BOILER	R #4 DESIGN- 2017 SC	CW	S3	03	63	5	6	0	0	74	0	74	c) (0	0	74	0	0	0 0	0	0	74
0 34	MESI UI	PGRADES- 2017 SC	CW	S3	03	-463	0	0	0	0	-463	0	-463	c) (0	0	-463	0	0	0 0	0	0	-463
		Sub-total				8,095	8,181	3,173	3,000	3,000	25,449	15,400	40,849	0) (0	0	40,849	0	0	0 0	0	0	40,849
WAS907	102 ASHBRI	IDGES BAY WWTP - ODOUR CON	ITROL																					
0 6	BIOFILT	FERS UPGRADE & REPLACEMENT	T CW	S2	03	10,098	122	0	0	0	10,220	0	10,220	С) (823	0	9,397	0	0	0 0	0	0	10,220
0 13	D BUILD	DING TREATMENT & BIOFILTER	CW	S2	03	992	0	0	0	0	992	0	992	c) (80	0	912	2 0	0	0 0	0	0	992
0 38	D BUILD 2017 SC	DING TREATMENT & BIOFILTER-C	CW	S3	03	-98	110	0	0	0	12	0	12	C) () 1	0	11	0	0	0 0	0	0	12
0 39		TERS UPGRADE & CEMENT- 2017 SC	CW	S3	03	-3,598	2,815	100	0	0	-683	0	-683	С) (-56	0	-627	0	0	0 0	0	0	-683
		Sub-total				7,394	3,047	100	0	0	10,541	0	10,541	0) (848	0	9,693	3 0	0	0 0	0	0	10,541
WAS907	104 HUMBE	R WWTP - LIQUID TREATMENT &	<u> HANI</u>																					
0 2		DARY TREATMENT UPGRADES - - ENGINEERING	CW	S2	03	3,811	3,350	3,332	3,250	2,193	15,936	544	16,480	С) (1,328	0	15,152	2 0	0	0 0	0	0	16,480
0 17	SECONI NORTH	IDARY TREATMENT UPGRADES - I PLANT	CW	S6	03	0	0	0	0	150	150	74,350	74,500	c) (3,269	0	71,231	0	0) 0	0	0	74,500
0 19		IDARY TREATMENT UPGRADES - - CONS	CW	S2	03	45,000	45,000	45,000	45,000	45,000	225,000	0	225,000	C) (18,115	0	206,885	0	C) 0	0	0	225,000
0 24		IDARY TREATMENT UPGRADES - I-CONS-2017 SC	CW	S3	03	-11,500	-11,500	-16,500	-16,500	-25,997	-81,997	15,000	-66,997	c) (-5,390	0	-61,607	0	0	0 0	0	0	-66,997
0 25		DARY TREATMENT UPGRADES - - ENG 2017 SC	CW	S3	03	1,069	1,910	1,418	1,555	3,000	8,952	300	9,252	С) (740	0	8,512	2 0	0	0 0	0	0	9,252
		Sub-total				38,380	38,760	33,250	33,305	24,346	168,041	90,194	258,235	0) (18,062	0	240,173	3 0	0	0 0	0	0	258,235
WAS907	105 HUMBE	R WWTP - O&M UPGRADES																				-		

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							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	uture Year	Cash Flov	v Commi	tments F	inanced	Ву		
Sub Pric		<u>oject No. Project Name</u> oProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		bt - ⁄erable	Total Financing
WAS	907105	HUMBER WWTP - O&M UPGRADES																						
0	1	GAS COMPRESSOR SYSTEM UPGRADES	s cw	S2	03	3,723	0	0	0	0	3,723	0	3,723	C	C	0	0	3,723	0	0	0	0	0	3,723
0	2	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	С	C	25	0	291	0	0	0	0	0	316
0	31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	C	C	0	0	343	0	0	0	0	0	343
0	32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	С	C	-25	0	-291	0	0	0	0	0	-316
		Sub-total				3,942	60	64	0	0	4,066	0	4,066	0	C	0	0	4,066	0	0	0	0	0	4,066
WAS	907106	HUMBER WWTP - ODOUR CONTROL																						
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	8,632	0	0	0	0	8,632	0	8,632	c	C	694	0	7,938	0	0	0	0	0	8,632
0	13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	С	C	341	0	3,892	0	0	0	0	0	4,233
		Sub-total				6,255	6,610	0	0	0	12,865	0	12,865	0	C	1,035	0	11,830	0	0	0	0	0	12,865
WAS	907224	SEWAGE PUMPING STATION UPGRADES	<u>3</u>																					
0	1	SPS UPGRADES	CW	S2	02	2,593	0	0	0	0	2,593	0	2,593	С	C	209	0	2,384	0	0	0	0	0	2,593
0	18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	c	C	1,842	0	21,029	0	0	0	0	0	22,871
0	26	SPS UPGRADES - GROUP 7	CW	S6	02	0	100	450	3,250	6,300	10,100	12,700	22,800	С	C	1,000	0	21,800	0	0	0	0	0	22,800
0	29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	С	C	442	0	5,065	0	0	0	0	0	5,507
0	30	SUNNYSIDE SPS REHAB- 2017 SC	CW	S3	03	688	0	0	0	0	688	0	688	С	C		0	633	0	0	0	0	0	688
0	31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	С	· C	27	0	340	0	0	0	0	0	367
		Sub-total				3,378	5,210	4,844	9,500	11,656	34,588	20,238	54,826	0	C	3,575	0	51,251	0	0	0	0	0	54,826
WAS	907559	DON & WATERFRONT TRUNK CSO																						
0	1	DON & WATERFRONT TRUNK/CSO PKG - DESIGN	1 CW	S2	04	7,933	5,338	5,180	5,180	5,180	28,811	11,436	40,247	С	C	3,239	0	37,008	0	0	0	0	0	40,247
0	3	Don & Waterfront Trunk/CSO Construction - PHASE 1	- CW	S6	04	0	25,000	77,500	77,500	77,500	257,500	102,500	360,000	C	C	15,790	0	344,210	0	0	0	0	0	360,000
0	4	Don & Waterfront Trunk/CSO Construction - PHASE 2	- CW	S6	04	0	0	0	0	0	0	210,000	210,000	С	C	9,211	0	200,789	0	0	0	0	0	210,000
0	8	Don & Waterfront Trunk/CSO Construction - PHASE 3+	- CW	S6	04	0	0	0	0	0	0	126,000	126,000	С	C	5,528	0	120,472	0	0	0	0	0	120,000
0	15	DCW - PHASE 1 - ADDITIONAL SCOPE		S6	04	0	0	0	17,000	20,000	37,000	60,000	97,000	С	C	,,	0	,	0	0	0	0	0	97,000
0	16	Don&Waterfront Trunk/CSO Design 2017 SC	CW	S3	04	-3,733	1,770	3,874	1,295	1,295	4,501	-3,885	616	С	C	49	0	567	0	0	0	0	0	616

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

Wastew	rater Program																						
						Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cui	rrent and Fu	uture Year	Cash Flo	w Commit	ments F	inanced	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Debt		Total Financing
WAS90755	DON & WATERFRONT TRUNK CSO																						
0 17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S4	04	200	500	700	10,400	2,700	14,500	100	14,600	С) (1,174	0	13,426	0	0	0	0	0	14,600
	Sub-total				4,400	32,608	87,254	111,375	106,675	342,312	506,151	848,463	0	C	39,245	0	809,218	0	0	0	0	0	848,463
WAS90770	00 NORTH TORONTO WTP UPGRADES																						
0 2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	1,207	2,295	1,100	0	0	4,602	0	4,602	c) (0 0	0	4,602	0	0	0	0	0	4,602
0 10	OPS INTERFACE NTTP	CW	S4	04	200	300	0	0	0	500	0	500	C) с	0 0	0	500	0	0	0	0	0	500
0 11	NTTP - PROCESS IMPROVEMENTS	CW	S4	04	420	4,400	4,000	1,340	50	10,210	0	10,210	C) с	0 0	0	10,210	0	0	0	0	0	10,210
0 12	NTTP - ELECTRICAL UPGRADES - ECAR 2017 SC	- CW	S3	01	-886	-581	1,624	1,198	0	1,355	0	1,355	c) (0 0	0	1,355	0	0	0	0	0	1,355
	Sub-total				941	6,414	6,724	2,538	50	16,667	0	16,667	0	C	0	0	16,667	0	0	0	0	0	16,667
WAS90814	Georgetown South City Infrastructure Upgra	ades_																					
0 1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	6,189	5,680	5,680	0	0	17,549	0	17,549	C) (0	0	17,549	0	0	0	0	0	17,549
0 7	GEORGETOWN SOUTH CITY INFRASTRUCTURE - 2017 SC	CW	S3	05	-509	0	0	0	0	-509	0	-509	C) C	0 0	0	-509	0	0	0	0	0	-509
	Sub-total				5,680	5,680	5,680	0	0	17,040	0	17,040	0	C	0	0	17,040	0	0	0	0	0	17,040
WASWP00	3 EMERY CREEK POND																						
0 1	EMERY CREEK POND	CW	S2	04	5,793	50	0	0	0	5,843	0	5,843	С) (470	0	5,373	0	0	0	0	0	5,843
0 15	EMERY CREEK POND- 2017 SC	CW	S3	04	-820	0	50	50	0	-720	0	-720	C) (58	0	-662	0	0	0	0	0	-720
	Sub-total				4,973	50	50	50	0	5,123	0	5,123	0	C	412	0	4,711	0	0	0	0	0	5,123
WASWP05	60 EQUIPMENT REPLACEMENT & REHABIL	ITATIC																					
0 78	EQUIPMENT REPLACEMENT	CW	S2	03	5,580	4,558	3,652	0	0	13,790	0	13,790	С) (0 0	0	13,790	0	0	0	0	0	13,790
0 117	REHAB OF SOUTH PRIMARY CLARIFIER	s cw	S2	03	124	0	0	0	0	124	0	124	c) (0 0	0	124	0	0	0	0	0	124
0 132	EQUIPMENT REPLACEMENT-2017 SC	CW	S3	03	-2,514	3,409	2,150	4,000	0	7,045	0	7,045	c) (0 0	0	7,045	0	0	0	0	0	7,045
0 133	REHAB OF SOUTH PRIMARY CLARIFIERS- 2017 SC	CW	S3	03	-124	0	0	0	0	-124	0	-124	С) (0	0	-124	0	0	0	0	0	-124
	Sub-total				3,066	7,967	5,802	4,000	0	20,835	0	20,835	0	C	0	0	20,835	0	0	0	0	0	20,835
Total P	Program Expenditure				466,912	713,973	854,712	837,605	771,244	3,644,446	4,019,758	7,664,204	0	C	293,425	07	7,322,779	0	0	48,000	0	0	7,664,204

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Report 7C

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: 2017 Recommended Capital Budget; 2018 to 2026 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 Debt -Total Capital Total Total Sub- Project No. Project Name Provincial Recoverable Reserve Total from Federal Development Grants and Financing Priority SubProj No. Sub-project Name 2017 2018 2019 2020 2021 2022-2026 Charges Reserves Funds Ward Stat. Cat. 2017-2026 Current Other 1 Other 2 Debt 2017-202 Subsidy Financed By: **Development Charges** 0 0 293,425 0 0 0 0 0 0 293,425 19,058 31,292 34,772 31,946 23,329 140,397 153,028 293,425 Reserve Funds (Ind."XR" Ref.) 0 0 0 07,322,779 0 0 0 0 447,854 678,681 814,940 800,659 742,915 3,485,049 3,837,730 7,322,779 7,322,779 Other2 (External) 0 48,000 0 4,000 5,000 5,000 5,000 19,000 29,000 48,000 48,000 466,912 713,973 854,712 837,605 771,244 3,644,446 4,019,758 7,664,204 0 0 293,425 07,322,779 0 0 48,000 0 7,664,204 **Total Program Financing**

Status Code	Description
S2	S2 Prior Year
00	00 D :

ear (With 2017 and\or Future Year Cashflow)

S3 Prior Year - Change of Scope 2017 and\or Future Year Cost\Cashflow)

S4 S4 New - Stand-Alone Project (Current Year Only) S5

S5 New (On-going or Phased Projects)

S6 New - Future Year (Commencing in 2018 & Beyond)

Category Code Description

S6

01 Health and Safety C01 02 Legislated C02

03 State of Good Repair C03

04 Service Improvement and Enhancement C04

05 Growth Related C05 Reserved Category 1 C06 06 07 Reserved Category 2 C07

Appendix 4

2017 Cash Flow and Future Year Commitments

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

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

ter Pr	ogram																							
						Curre	nt and F	uture Yea	r Cash Flo	w Commitr	nents			Cı	urrent and F	uture Yea	r Cash Flo	ow Comi	mitments	Finance	d By			
		Ward	d Stat	. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies		Development Charges	Reserves	Reserve Funds	from		Other2	R Debt	Debt - Recoverable	10	otal incing
000004	HORGAN W.T.P. EXPANSION																							
2	PLANT EXPANSION - DESIGN & CONST ADMIN	R CW	/ S2	05	24	0	0	0	0	24	0	24	C)	0 8	0	8		0 (0 8	В	0 ()	24
38	PLANT EXPANSION - DESIGN & CONST ADMIN- 2017 SC	R CW	/ S3	05	51	75	0	0	0	126	0	126	C)	0 40	0	46		0	0 40	0	0 0)	126
39	PLANT EXPANSION - CONSTRUCTION- 2017 SC	CW	/ S3	05	0	0	0	0	0	0	40	40	C)	0 13	0	14		0	0 13	3	0 0)	40
	Sub-total				75	75	0	0	0	150	40	190	0)	0 61	0	68		0 (0 6	1	0	0	190
000014	WATER STORAGE EXPANSION																						1	
1	DUFFERIN RES. EXT DESIGN AND CONT. ADMIN	CW	/ S2	05	18	0	0	0	0	18	0	18	C)	0 11	0	7		0 (0 (0	0 ()	18
2	Milliken PS and Reservoir - Engineering	CM	/ S2	05	50	0	0	0	0	50	0	50	C)	0 21	0	10		0 (0 19	9	0 ()	50
52	MILLIKEN PS&RESERVOIR-DESIGN&CONT	CW	/ S3	05	0	37	0	0	0	37	0	37	C)	0 15	0	8		0 (0 14	4	0 ()	37
53	DUFFERIN RES. EXT. DESIGN AND CON ADMIN- 2017 SC	IT CW	/ S3	05	-17	0	0	0	0	-17	0	-17	C)	0 -10	0	-7		0	0 (0	0 ()	-17
	Sub-total				51	37	0	0	0	88	0	88	0)	0 37	0	18	ı	0 (0 3	3	0 (0	88
000018	CLARK RESIDUE MGMT. FACILITIES																						\top	
24	RESIDUALS RETROFITS AND UPGRADE	ES CW	/ S2	02	1,036	425	0	0	0	1,461	0	1,461	C)	0 0	0	1,461		0 (0 (0	0 () 1	1,461
29	RESIDUALS RETROFITS AND UPGRADES-2017 SC	CW	/ S3	02	-567	2,408	700	0	0	2,541	0	2,541	C)	0 0	0	2,541		0 (0 (0	0 () 2	2,541
	Sub-total				469	2,833	700	0	0	4,002	0	4,002	0)	0 0	0	4,002	!	0 (0	0	0) 4	4,002
000021	WATER EFFICIENCY PROGRAM																							
10	ICI INDOOR WATER AUDIT	CW	V S2	05	300	0	0	0	0	300	0	300	C)	0 300	0	0		0	0 (0	0 ()	300
11	PUBLIC EDUCATION & PROMOTIONS	CW	/ S2	05	150	0	0	0	0	150	0	150	C)	0 150	0	0		0	0 (0	0 0)	150
12	ANCILLARY COSTS	CW	/ S2	05	70	0	0	0	0	70	0	70	C)	0 70	0	0		0	0 (0	0 0)	70
91	ICI INDOOR WATER AUDIT- 2017 SC	CW	/ S3	05	0	300	300	0	0	600	0	600	C)	0 600	0	0		0 (0 (0	0 0)	600
92	PUBLIC EDUCATION & PROMOTIONS- 2017 SC	CW	/ S3	05	0	150	150	0	0	300	0	300	C)	0 300	0	0		0	0 (0	0 ()	300
93	ANCILLARY COSTS- 2017 SC	CW	/ S3	05	0	70	70	35	0	175	0	175	C)	0 175	0	0		0	0 (0	0 0)	175
	Sub-total				520	520	520	35	0	1,595	0	1,595	0)	0 1,595	0	0	1	0 (0	0	0 (0 1	1,595
000363	ENGINEERING STUDIES																						†	
2	IMPROVED TREATMENT STUDIES	CW	/ S2	04	296	0	0	0	0	296	0	296	C)	0 0	0	207		0 (0 89	9	0 ()	296
18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	V S2	02	200	200	0	0	0	400	0	400	C)	0 0	0	400		0	0 (0	0 ()	400
	2 38 39 CO000014 1 2 52 53 CO000018 24 29 CO000021 10 11 12 91 92 93 2	OritySubProj No. Sub-project Name O00004 HORGAN W.T.P. EXPANSION PLANT EXPANSION - DESIGN & CONST ADMIN PLANT EXPANSION - DESIGN & CONST ADMIN - 2017 SC Sub-total O000014 WATER STORAGE EXPANSION UNITED ADMIN - DESIGN & CONSTRUCTION-2017 SC Sub-total O000015 WATER STORAGE EXPANSION MILLIKEN PS&RESERVOIR-DESIGN&CONT DUFFERIN RES. EXT DESIGN AND CONADMIN - 2017 SC Sub-total O000018 CLARK RESIDUE MGMT. FACILITIES RESIDUALS RETROFITS AND UPGRADI PRESIDUALS RETROFITS AND UPGRADI WATER EFFICIENCY PROGRAM UNITED ADMIN - 2017 SC Sub-total O000021 WATER EFFICIENCY PROGRAM UCI INDOOR WATER AUDIT PUBLIC EDUCATION & PROMOTIONS ANCILLARY COSTS UNITED ANCILLARY COSTS ANCILLARY COSTS - 2017 SC Sub-total O000363 ENGINEERING STUDIES IMPROVED TREATMENT STUDIES	D- Project No. Project Name DritySubProj No. Sub-project Name Ward D00004 HORGAN W.T.P. EXPANSION 2 PLANT EXPANSION - DESIGN & CONSTR CV ADMIN 2017 SC 39 PLANT EXPANSION - CONSTRUCTION CV 2017 SC Sub-total D000014 WATER STORAGE EXPANSION 1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN 2 Milliken PS and Reservoir - Engineering CV DUFFERIN RES. EXT. DESIGN AND CONT. ADMIN 2017 SC Sub-total D000018 CLARK RESIDUE MGMT. FACILITIES 24 RESIDUALS RETROFITS AND UPGRADES CV Sub-total D000021 WATER EFFICIENCY PROGRAM 10 ICI INDOOR WATER AUDIT CV 11 PUBLIC EDUCATION & PROMOTIONS CV 2017 SC 91 ICI INDOOR WATER AUDIT CV Sub-total D000363 ENGINEERING STUDIES 2 IMPROVED TREATMENT STUDIES CV Sub-total D000363 ENGINEERING STUDIES 2 IMPROVED TREATMENT STUDIES CV SUB-TOTAL SUB-TOTA	DE Project No. Project Name DritySubProj No. Sub-project Name Ward State D000004 HORGAN W.T.P. EXPANSION 2 PLANT EXPANSION - DESIGN & CONSTR CW S2 ADMIN 38 PLANT EXPANSION - DESIGN & CONSTR CW S3 ADMIN-2017 SC 39 PLANT EXPANSION - CONSTRUCTION- CW S3 2017 SC Sub-total DUFFERIN RES. EXT DESIGN AND CONT. ADMIN 2 Milliken PS and Reservoir - Engineering CW S2 52 MILLIKEN PS&RESERVOIR-DESIGN&CONT 53 DUFFERIN RES. EXT. DESIGN AND CONT. CW S3 ADMIN-2017 SC Sub-total D000018 CLARK RESIDUE MGMT. FACILITIES 24 RESIDUALS RETROFITS AND UPGRADES CW S2 29 RESIDUALS RETROFITS AND UPGRADES CW S3 Sub-total D000021 WATER EFFICIENCY PROGRAM 10 ICI INDOOR WATER AUDIT CW S2 11 PUBLIC EDUCATION & PROMOTIONS CW S2 91 ICI INDOOR WATER AUDIT-2017 SC CW S3 92 PUBLIC EDUCATION & PROMOTIONS CW S2 93 ANCILLARY COSTS CW S3 Sub-total D000363 ENGINEERING STUDIES 2 IMPROVED TREATMENT STUDIES CW S2 18 CONTROLLED SUBSTANCES ID AND CW S2 18 CONTROLLED SUBSTANCES ID AND CW S2	Project No. Project Name Ward Stat. Cat.	De Project No. Project Name OritySubProj No. Sub-project Name Ward Stat. Cat. 2017	Curre C	Project No. Project Name Ward Stat. Cat. 2017 2018 2019	Description Description	Description Project Name Proje	Current and Future Year Cash Flow Committed Current and Future Current and Future Current and Future Current and Future Current Curr	22 PROJECT No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 20222 20222 20222 20222 20222 20222 20222 20222 202222 202222 202222 2022222222	Courtest and Future Year Cash Flow Commitments Courtest Anne Courtest An	Current and Future Vear Cash Flow Commitments Current And Future Vear Cash Flow Cash Flo	Current and Future Year Cash Flow Commitments Current and Future Year Cash	Current and Future Year Cash Flow Commitments Current and Future Year Cash Flow Cash Flow Commitments Current and Future Year Cash Flow Cash	Company Comp	Part Part	Property Name	Companies Comp	Parison Pari	Process Proc	Pure Formation Pure	Part Part

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Current and	Future Yea	r Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		i <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Developme Subsidy Charges	^{nt} Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total inancing
WAT	000363	ENGINEERING STUDIES																					
0	31	ENERGY EFFICIENCY IMPLEMENTATION	N CW	S2	04	105	125	0	0	0	230	0	230	o	0	0 0	230	0	0	0	0	0	230
0	38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	o	0	0 0	4	0	0	0	0	0	4
0	65	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	N CW	S2	04	915	730	105	5	0	1,755	0	1,755	o	0	0 0	1,755	0	0	0	0	0	1,755
0	72	SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 SC	CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	o	0	0 0	-1,755	0	0	0	0	0	-1,755
0	73	CONTROLLED SUBSTANCES ID AND ABATEMENT- 2017 SC	CW	S3	02	-100	-100	100	0	0	-100	0	-100	О	0	0 0	-100	0	0	0	0	0	-100
0	74	ENERGY EFFICIENCY IMPLEMENTATION 2017 SC	N- CW	S3	04	25	-8	0	0	0	17	0	17	О	0	0 0	17	0	0	0	0	0	17
0	75	IMPROVED TREATMENT STUDIES- 2017 SC	CW	S3	04	-136	152	0	0	0	16	0	16	О	0	0 0	11	0	0	5	0	0	16
		Sub-total				394	369	100	0	0	863	0	863	0	0	0 0	769	0	0	94	0	0	863
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE	- PW																				
0	9	TRUNK RADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	o	0	0 0	400	0	0	0	0	0	400
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	o	0	0 0	200	0	0	0	0	0	200
0	23	RELIABILITY IMPROVEMENT PROGRAM	I CW	S2	04	795	400	0	0	0	1,195	0	1,195	o	0	0 0	1,195	0	0	0	0	0	1,195
0	41	SCADA UPGRADES FOR WWT	CW	S2	04	5,206	5,760	7,160	4,200	50	22,376	110	22,486	o	0	0 0	22,486	0	0	0	0	0	22,486
0	42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	o	0	0 0	492	0	0	0	0	0	492
0	67	SCADA UPGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	o	0	0 0	3,503	0	0	0	0	0	3,503
0	85	NETWORK IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	o	0	0 0	2,586	0	0	0	0	0	2,586
0	86	BLANKET CONTRACT MGMT TOOL	CW	S4	04	50	150	0	0	0	200	0	200	o	0	0 0	200	0	0	0	0	0	200
0	87	PCS UPGRADES 2017	CW	S4	04	210	210	210	0	0	630	0	630	o	0	0 0	630	0	0	0	0	0	630
0	88	TRUNK RADIO - EQUIPMENT	CW	S4	03	500	1,400	0	0	0	1,900	0	1,900	О	0	0 0	1,900	0	0	0	0	0	1,900
0	90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	О	0	0 0	10	0	0	0	0	0	10
0	91	PCS LEGACY ALARM IMPROVEMENT - 2017 SC	CW	S3	04	166	65	65	0	0	296	0	296	0	0	0 0	296	0	0	0	0	0	296
0	92	RELIABILITY IMPROVEMENT PROGRAM 2017 SC	I- CW	S3	04	-585	-50	200	200	0	-235	0	-235	О	0	0 0	-235	0	0	0	0	0	-235
0	93	SCADA UPGRADES FOR WWT- 2017 SC	CW	S3	04	-2,651	546	1,765	890	150	700	-50	650	o	0	0 0	650	0	0	0	0	0	650
0	94	SCADA UPGRADES FOR WWT - II - 2017 SC	CW	S3	04	-718	570	260	184	0	296	0	296	0	0	0 0	296	0	0	0	0	0	296

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

		- 9																					
						Curr	ent and F	uture Year	Cash Flo	w Commitr	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments I	Financed	Ву		
<u>Su</u> Pri		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat. 0	Cat. 2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
		BUSINESS SYSTEM INFRASTRUCTURE																					
0	95	NETWORK IMPROVEMENTS- 2017 SC	CW	S3	-1,016	964	0	0	0	-52	0	-52	0	0	0	0	-52	0	C	0	0	0	-52
0	96	PCS UPGRADES FOR WATER SUPPLY- 2017 SC	CW	S3	04 -12	0	0	0	0	-12	0	-12	0	0	0	0	-12	0	C	0	0	0	-12
0	97	SCADA SOFTWARE	CW	S4	04 220	220	220	220	220	1,100	0	1,100	0	0	0	0	1,100	0	C	0	0	0	1,100
		Sub-total			7,566	11,175	10,330	6,094	420	35,585	60	35,645	0	0	0	0	35,645	0	C	0	0	0	35,645
WA	T906340	METERING & METER READING SYS																					
0	2	AUTOMATED METER READING SYSTEM	M CW	S2	04 8,314	2,000	915	545	0	11,774	0	11,774	0	0	0	0	11,774	0	C	0	0	0	11,774
0	18	AUTOMATED METER READING SYSTEM 2017 SC	M- CW	S3	-2,940	1,180	-415	-199	0	-2,374	0	-2,374	0	0	0	0	-2,374	0	C	0	0	0	-2,374
		Sub-total			5,374	3,180	500	346	0	9,400	0	9,400	0	0	0	0	9,400	0	C	0	0	0	9,400
WA	T906467	AVENUE ROAD TRUNKMAIN REPLACE	MENT_																				
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03 92	0	0	0	0	92	0	92	0	0	46	0	29	0	C	17	0	0	92
0	29	JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017 SC	CW	S3	03 10	0	0	0	0	10	0	10	0	0	5	0	3	0	C) 2	0	0	10
0	30	JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 2017 SC	CW	S3	03 221	500	0	0	0	721	0	721	0	0	363	0	224	0	С	134	0	0	721
		Sub-total			323	500	0	0	0	823	0	823	0	0	414	0	256	0	C	153	0	0	823
WA	T906470	ISLAND W.T.P. R&R																					
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	r cw	S2	02 723	340	400	400	80	1,943	20	1,963	0	0	0	0	1,963	0	C	0	0	0	1,963
0	11	CHEMICAL & RESIDUALS MANAGEMEN CONST	NT CW	S2	2,000	7,400	2,500	3,500	1,500	16,900	0	16,900	0	0	1,028	0	15,872	0	C	0	0	0	16,900
0	30	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2017 SC	r cw	S3	02 -143	1,160	600	250	770	2,637	280	2,917	0	0	0	0	2,917	0	C	0	0	0	2,917
0	31	CHEMICAL & RESIDUALS MANAGMENT CONST-2017 SC	r cw	S3	9,000	-6,223	1,500	10,500	12,500	27,277	6,000	33,277	0	0	2,023	0	31,254	0	C	0	0	0	33,277
		Sub-total			11,580	2,677	5,000	14,650	14,850	48,757	6,300	55,057	0	0	3,051	0	52,006	0	C	0	0	0	55,057
WA	T906481	DISTRICT WATERMAINS - NEW																					
0	1	NEW WM	CW	S2	05 515	0	0	0	0	515	0	515	0	0	515	0	0	0	C	0	0	0	515
0	15	NEW WM - 2017 SC	CW	S3	-500	500	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0	0
		Sub-total			15	500	0	0	0	515	0	515	0	0	515	0	0	0	C	0	0	0	515
WA	T906483	B PW ENGINEERING																					
0	2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	3,946	3,200	585	0	0	7,731	0	7,731	O	0	0	0	7,731	0	C	0	0	0	7,731
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Report Phase 2 - Program 10 Water Program Program Phase 2

Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

							Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric	_	<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal [Development Charges	Reserves		Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAT	906483	PW ENGINEERING																						
0	5	WATERMAIN ASSET PLANNING	CW	S2	03	1,482	591	145	0	0	2,218	0	2,218	0	0	554	0	786	0	0	878	0	0	2,218
0	7	EASEMENT ACQUISITION	CW	S2	04	500	0	0	0	0	500	0	500	О	0	0	0	500	0	0	0	0	0	500
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	621	1,338	1,000	1,000	0	3,959	0	3,959	О	0	0	0	3,959	0	0	0	0	0	3,959
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,090	1,000	1,000	1,000	1,000	5,090	2,500	7,590	О	0	1,898	0	5,692	0	0	0	0	0	7,590
0	52	JOS UPDATE PHASE II	CW	S2	05	1,135	500	0	0	0	1,635	0	1,635	o	0	818	0	-1	0	0	818	0	0	1,635
0	64	WATERMAIN ASSET PLANNING-2017 SC	cw	S3	03	-737	1,519	1,310	1,050	1,055	4,197	2,000	6,197	o	0	1,551	0	2,193	0	0	2,453	0	0	6,197
0	65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	CW	S3	04	-785	300	0	0	0	-485	1,000	515	o	0	128	0	387	0	0	0	0	0	515
0	66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	CW	S3	03	-2,074	457	2,415	585	0	1,383	0	1,383	o	0	0	0	1,383	0	0	0	0	0	1,383
0	67	EASEMENT ACQUISITION- 2017 SC	CW	S3	04	0	500	0	0	0	500	0	500	o	0	0	0	500	0	0	0	0	0	500
0	68	WATER LOSS REDUCTION STRATEGY- 2017 SC	CW	S3	03	-211	-472	418	0	1,000	735	0	735	o	0	0	0	735	0	0	0	0	0	735
0	69	JOS UPDATE PHASE II- 2017 SC	CW	S3	05	-135	0	150	0	0	15	0	15	o	0	7	0	1	0	0	7	0	0	15
		Sub-total				4,832	8,933	7,023	3,635	3,055	27,478	5,500	32,978	0	0	4,956	0	23,866	0	0	4,156	0	0	32,978
WAT	906749	DOWNTOWN W/M ENHANCEMENT																						
0	1	JOS - GERRARD ST WM - ENGINEERING	G CW	S2	03	26	0	0	0	0	26	0	26	o	0	5	0	1	0	0	20	0	0	26
0	4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	О	0	904	0	163	0	0	3,472	0	0	4,539
0	45	JOS - GERRARD ST WM - ENGINEERING 2017 SC	G- CW	S3	03	-12	10	0	0	0	-2	0	-2	o	0	0	0	-1	0	0	-1	0	0	-2
0	46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	o	0	-904	0	-163	0	0	-3,472	0	0	-4,539
		Sub-total				14	10	0	0	0	24	0	24	0	0	5	0	0	0	0	19	0	0	24
WAT	906752	TRANSMISSION R&R																					\top	
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,354	360	102	69	0	9,885	0	9,885	О	0	0	0	9,885	0	0	0	0	0	9,885
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	2,061	84	14	0	0	2,159	0	2,159	0	0	0	0	2,159	0	0	0	0	0	2,159
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	5,500	2,650	0	0	0	8,150	0	8,150	О	0	0	0	8,150	0	0	0	0	0	8,150
0	74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	CW	S3	03	-724	1,164	231	19	0	690	0	690	α	0	0	0	690	0	0	0	0	0	690

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

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						Curr	ent and Fu	uture Year	Cash Flo	w Commitr	nents			Cui	rrent and F	uture Yea	r Cash Flo	w Comm	itments F	inanced E	Ву		
<u>Su</u> Pri		oject No. Project Name bProj No. Sub-project Name	Ward	Stat. Ca	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WA	T906752	TRANSMISSION R&R																					
0	75	TRUNK WATERMAIN REHAB- 2017 SC	CW	S3 03	114	4	260	253	0	631	0	631	0	0	0	0	631	0	0	0	0	0	631
0	76	CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	CW	S3 03	-1,011	835	144	6	0	-26	О	-26	0	0	0	0	-26	0	0	0	0	0	-26
0	77	CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	CW	S3 03	-2,300	2,100	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sub-total			13,244	7,447	951	347	0	21,989	0	21,989	0	0	0	0	21,989	0	0	0	0	0	21,989
WA	T906900	TRANSMISSION R&R																					
0	1	TRANS FACILITIES REHAB	CW	S2 03	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500
0	26	SCARBOROUGH PS - PUMP REPLC	CW	S2 03	145	0	0	0	0	145	0	145	0	0	0	0	145	0	0	0	0	0	145
0		EGLINTON PS - PUMP REPLC		S2 03		0	0	0	0	228	0	228	0								0	0	228
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION		S2 03		7,913	7	0	0	25,273	0	25,273	0						_		0	0	25,273
0	48	ROSEHILL RESERVOIR	CW	S2 03	11,479	10,500	4,600	0	0	26,579	0	26,579	0	0	0	0	26,579	0	0	0	0	0	26,579
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2 05	410	0	0	0	0	410	0	410	0	0	0	0	410	0	0	0	0	0	410
0	50	PARKDALE PS REHABILITATION	CW	S2 03	3,580	1,757	21	0	0	5,358	0	5,358	0	0	0	0	5,358	0	0	0	0	0	5,358
0	51	ROSEHILL PS REHAB	CW	S2 03	1,786	2,786	1,144	11	11	5,738	0	5,738	0	0	0	0	5,738	0	0	0	0	0	5,738
0	67	PUMP REPLACEMENTS	CW	S2 03	900	900	100	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S4 03	200	250	300	650	350	1,750	2,150	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
0	74	PS REHAB - PHASE 2 - ENG	CW	S4 03	500	400	600	1,000	500	3,000	2,000	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000
0	75	ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	CW	S3 03	-9,003	-63	8,113	10	17	-926	0	-926	0	0	0	0	-926	0	0	0	0	0	-926
0	76	ROSEHILL RESERVOIR-2017 SC	CW	S3 03	-9,229	270	5,750	10,150	3,019	9,960	34	9,994	0	0	0	0	9,994	0	0	0	0	0	9,994
0	77	PARKDALE PS REHABILITATION-2017 SC	C CW	S3 03	-2,385	2,593	2,404	329	8	2,949	0	2,949	0	0	0	0	2,949	0	0	0	0	0	2,949
0	78	SCARBOROUGH PS - PUMP REPLC- 201 SC	7 CW	S3 03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	79	EGLINTON PS - PUMP REPLC- 2017 SC	CW	S3 03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	80	DOWNSVIEW PS & CONNECTOR EA- 2017 SC		S3 05		280	0	0	0	195	0	195	0	0			195		_	0	0	0	195
0	81	ROSEHILL PS REHAB- 2017 SC	CW	S3 03		0						80	0								0	0	80
		Sub-total			16,692	28,336	23,059	12,163	3,919	84,169	4,184	88,353	0	0	0	0	88,353	0	0	0	0	0	88,353

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Gross Expenditures (\$000's)
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	tySubl	ect No. Project Name Proj No. Sub-project Name					Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced I	Зу		
Priorit WAT90	tySubl					1																		
	06902		Ward	l Stat	. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt	rable	Total Financing
0 3		HARRIS W.T.P. R&R																						
	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 2	21	HVAC REHAB CONSTRUCTION	CW	S2	03	2,766	847	0	0	0	3,613	0	3,613	0	0	0	0	3,613	0	0	0	0	0	3,613
0 2		HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,620	722	0	0	0	4,342	0	4,342	0	0	0	0	4,342	0	0	0	0	0	4,342
0 5		REHAB OF SETTLING BASIN ROOF 8 SLUICE GATES	. CW	S2	03	9,579	5,384	23	0	0	14,986	0	14,986	0	0	0	0	14,986	0	0	0	0	0	14,986
0 7		EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	o	0	0	0	1,200	0	0	0	0	0	1,200
0 8		LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	1,450	1,148	7	0	0	2,605	0	2,605	0	0	0	0	2,605	0	0	0	0	0	2,605
0 9		HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	200	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
		CONTROL ROOM RELOCATION		S2		593	0	0	0	0	593	0	593	0				593	0		0	0	0	593
		EMERGENCY STANDBY POWER		S2		895	5	0	0	0	900	0	900	0				900	0		0	0	0	900
		PHONE SYSTEM UPGRADE		S2	03	510	0	0	0	0	510	0	510	0				510	0			0	0	510
		REHAB OF SETTLING BASIN ROOF &SLUICE GATES-2017 SC HARRIS FILTERS REHABILITATION -		/ S3		-279	2,931 2,906	78	10	13	2,753	0	2,753	0				2,753	0		-	0	0	2,753
		PILOT-2017 SC CONTROL ROOM RELOCATION-2017		S3 S3		-2,970 -518	525	65 0	0	0	7	0	7					7	0	_	-	0	0	7
		TRAVELLING SCREENS 3 & 5		S3		0	300	450	0	0	750	0	750					750	0		0	0	0	750
		UPGRADE-2017 SC PHONE SYSTEM UPGRADE-2017 SC		S3		-510	70	510	0	0	70	0	70	0				70	0	0	0	0	0	70
0 1		FACILITY & PROCESS UPGRADES- 2	017 CW	/ S3	03	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 1		SC HVAC REHAB CONSTRUCTION- 2017	SC CW	/ S3	03	-1,205	3,453	4,281	0	0	6,529	0	6,529	O	0	0	0	6,529	0	0	0	0	0	6,529
0 1		LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	CW	/ S3	04	-989	3,249	137	7	0	2,404	0	2,404	0	0	0	0	2,404	0	0	0	0	0	2,404
0 1	117	HERITAGE MASONRY ARCHITECTUR RESTORATION-2017 SC	AL CW	S3	03	0	0	0	0	0	0	150	150	0	0	0	0	150	0	0	0	0	0	150
0 1		EMERGENCY STANDBY POWER- 201	7 SC CW	S3	04	-395	995	405	0	0	1,005	0	1,005	0	0	0	0	1,005	0	0	0	0	0	1,005
		Sub-total				13,247	23,335	6,706	767	213	44,268	150	44,418	0	0	0	0	44,418	0	0	0	0	0	44,418
WAT90	06903	FJ HORGAN W.T.P. R&R																						
0 5	5	FACILITY & PROCESS UPGRADES	CW	S2	03	516	0	0	0	0	516	0	516	O	0	0	0	516	0	0	0	0	0	516
0 8	8	RAW WATER PUMP UGRADES	CW	S2	03	469	0	0	0	0	469	0	469	0	0	0	0	469	0	0	0	0	0	469

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							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	<u>Project No.</u> SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	ble	Total Financing
WAT906	903 FJ HORO	GAN W.T.P. R&R																						
0 15	5 REPLAC	EMENT OF MCCS	CW	S2	03	2,315	2,400	250	152	10	5,127	9	5,136	0	0	0	0	5,136	0	0	0	0	0	5,136
0 31	I BUILDIN UPGRAI	IG FIRE, HVAC, LIGHTING DES	CW	S2	04	855	1,375	1,825	10	10	4,075	0	4,075	0	0	0	0	4,075	0	0	0	0	0	4,075
0 32		ROUNDING SYSTEM & BULK INLOADING IMPRO	CW	S2	04	550	3	3	0	0	556	0	556	0	0	0	0	556	0	0	0	0	0	556
0 34	1 TREATE	D WATER PUMP UPGRADES	CW	S2	04	1,890	0	0	0	0	1,890	0	1,890	0	0	0	0	1,890	0	0	0	0	0	1,890
0 53	FACILIT'	Y & PROCESS UPGRADES- 2017	CW	S3	03	240	613	0	0	0	853	0	853	0	0	0	0	853	0	0	0	0	0	853
0 54	REPLAC	EMENT OF MCCS- 2017 SC	CW	S3	03	-57	36	0	75	0	54	0	54	О	0	0	0	54	0	0	0	0	0	54
0 55	RAW WA	ATER PUMP UGRADES- 2017 SC	CW	S3	03	52	0	0	0	0	52	0	52	0	0	0	0	52	0	0	0	0	0	52
0 56		ROUNDING SYS & STANDBY OPTIMI- 2017 SC	CW	S3	04	-500	527	277	0	0	304	0	304	0	0	0	0	304	0	0	0	0	0	304
0 57	7 TREATE 2017 SC	D WATER PUMP UPGRADES-	CW	S3	04	-364	0	0	0	0	-364	0	-364	0	0	0	0	-364	0	0	0	0	0	-364
0 58		IG FIRE, HVAC, LIGHTING DES- 2017 SC	CW	S3	04	-597	720	125	0	0	248	0	248	0	0	0	0	248	0	0	0	0	0	248
		Sub-total				5,369	5,674	2,480	237	20	13,780	9	13,789	0	0	0	0	13,789	0	0	0	0	0	13,789
WAT906	906 TRUNK	WATERMAIN EXPANSION																						
0 25	JOS WW MIDLAN	I SCAR PS TO ST CLAIR AND D - ENG	CW	S2	05	784	450	173	21	0	1,428	0	1,428	0	0	684	0	420	0	0	324	0	0	1,428
0 66	JOS - W (CONST	M Scar PS to St. Clair&Midland)	CW	S4	05	2,000	12,000	12,000	8,000	0	34,000	0	34,000	0	0	16,289	0	9,987	0	0	7,724	0	0	34,000
0 69	JOS WM ENG 201	from Scar PS to St.Clair&Midland	CW	S3	05	-384	61	202	162	11	52	0	52	0	0	26	0	14	0	0	12	0	0	52
		Sub-total				2,400	12,511	12,375	8,183	11	35,480	0	35,480	0	0	16,999	0	10,421	0	0	8,060	0	0	35,480
WAT906	914 SWITCH	GEAR TRANSFORMER																						
0 13	INDOOR (PHASE	VOUTDOOR SWITCHGEAR 3)	CW	S2	03	3,913	0	0	0	0	3,913	0	3,913	0	0	0	0	3,913	0	0	0	0	0	3,913
0 30		VOUTDOOR SWITCHGEAR 3)- 2017 SC	CW	S3	03	-1,663	1,274	0	0	0	-389	0	-389	0	0	0	0	-389	0	0	0	0	0	-389
		Sub-total				2,250	1,274	0	0	0	3,524	0	3,524	0	0	0	0	3,524	0	0	0	0	0	3,524
WAT906	917 TRANSM	MISSION OPERATIONS OPTIMIZE	<u>R</u>																					
0 8	TRANSN OPTIMIZ	MISSION OPERATIONS ZER	CW	S2	04	257	200	0	0	0	457	0	457	0	0	0	0	219	0	0	238	0	0	457
0 12		MISSION OPERATIONS ZER- 2017 SC	CW	S3	04	-7	20	0	0	0	13	0	13	0	0	0	0	-63	0	0	76	0	0	13
		Sub-total				250	220	0	0	0	470	0	470	0	0	0	0	156	0	0	314	0	0	470
WAT906	918 WATER	SUSTAINABILITY PROGRAM			,																			

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

					ĺ		Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	ritySub		Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal [Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAT	906918	WATER SUSTAINABILITY PROGRAM																						
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	(0 0	1,055	0	11,081	0	0	5,227	0	0	17,363
0	12	STANDBY POWER - ROSEHILL	CW	S2	04	3,344	4,344	5,167	1,815	15	14,685	0	14,685	(0 0	882	0	9,397	0	0	4,406	0	0	14,685
0	19	WATER SUSTAINABILITY STANDBY POWER-ELLESMERE2017SC	CW	S3	04	-12,041	5,187	5,269	10	0	-1,575	0	-1,575	(0 0	-95	0	-1,005	0	0	-475	0	0	-1,575
0	20	STANDBY POWER - ROSEHILL- 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	(0 0	-1	0	-11	0	0	-6	0	0	-18
		Sub-total				8,693	9,551	10,371	1,813	13	30,441	14	30,455	C	0	1,841	0	19,462	0	0	9,152	0	0	30,455
WAT	906919	RL CLARK W.T.P. R&R																						
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	150	150	0	0	0	300	0	300	(0	0	0	300	0	0	0	0	0	300
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,264	480	1,392	60	0	3,196	0	3,196	(0 0	195	0	3,001	0	0	0	0	0	3,196
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	15,112	12,215	82	0	0	27,409	0	27,409	(0	1,667	0	25,742	0	0	0	0	0	27,409
0	44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	308	5	0	0	0	313	0	313	(0	0	0	313	0	0	0	0	0	313
0	68	PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC	CW	S3	03	-904	130	-892	1,394	60	-212	35	-177	(0	-12	0	-165	0	0	0	0	0	-177
0	69	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC	CW	S3	03	-5,300	-500	9,950	3,000	0	7,150	0	7,150	(0	434	0	6,716	0	0	0	0	0	7,150
0	70	FACILITY & PROCESS UPGRADES- 2017 SC	CW	S3	03	50	50	0	0	0	100	0	100	(0	0	0	100	0	0	0	0	0	100
0	71	EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	CW	S3	03	66	227	20	0	0	313	0	313	(0	0	0	313	0	0	0	0	0	313
		Sub-total				10,746	12,757	10,552	4,454	60	38,569	35	38,604	C	0	2,284	0	36,320	0	0	0	0	0	38,604
WAT	906930	DIST W/M REPLACEMENT																					\exists	
0	14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	(0 0	0	0	5	0	0	0	0	0	5
0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	(0	0	0	4	0	0	0	0	0	4
0	29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	(0	0	0	113	0	0	0	0	0	113
0	39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	(0 0	0	0	1	0	0	0	0	0	1
0	51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	(0 0	0	0	402	0	0	0	0	0	402
0	52	WATERMAIN UPGRADES - 2014	CW	S2	05	400	0	0	0	0	400	0	400	(0 0	0	0	400	0	0	0	0	0	400
0	55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	(0	0	0	3,045	0	0	0	0	0	3,045
0	59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	(0 0	2	0	3	0	0	0	0	0	5

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

Part Part								Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
DISTWIM REPLACEMENT - 2015	Prior	itySub	Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021			1	Grants and	Federal Subsidy	Development Charges	Reserves		from	Other 1	Other2	Recover		Total Financing
	WAT9	06930	DIST W/M REPLACEMENT																						
0 73 DISTWAM REPLACEMENT 7016 CW SZ 03 191,867 8,427 0 0 0 0 27,988 0 27,988 0 0 0 4,402 0 23,637 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,691	155	0	0	0	4,846	0	4,846	0	0	754	0	4,092	0	0	0	0	0	4,846
0 74 WATERMAIN UPGRADES 2016 CW 82 05 3.470 1,840 0 0 0 0 5,310 0 5,310 0 0 1,650 0 3,658 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	0	0	105	0	233	0	0	0	0	0	338
Bay DIST WAN REPLACEMENT - 2015-2017 SC CW S3 03 -3,738 741 0 0 0 0 -2,997 0 -2,997 0 0 -467 0 -2,539 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	73	DIST W/M REPLACEMENT - 2016	CW	S2	03	19,562	8,427	0	0	0	27,989	0	27,989	0	0	4,352	0	23,637	0	0	0	0	0	27,989
0 83 DIST WAM REPLACEMENT - 2017 C W S4 05 10.333 2.982 1.476 0 0 74.166 0 74.166 0 0 11.533 0 62.633 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	74	WATERMAIN UPGRADES - 2016	CW	S2	05	3,470	1,840	0	0	0	5,310	0	5,310	0	0	1,652	0	3,658	0	0	0	0	0	5,310
0 84 WATERMAN UPGRADES - 2017 CW S4 05 10,333 2,952 1,476 0 0 14,761 0 14,761 0 0 4,552 0 10,169 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	82	DIST W/M REPLACEMENT - 2015-2017 S	c cw	S3	03	-3,738	741	0	0	0	-2,997	0	-2,997	0	0	-467	0	-2,530	0	0	0	0	0	-2,997
0 87 2010 WM REPLC-2017 SC	0	83	DIST W/M REPLACEMENT - 2017	CW	S4	03	51,296	15,598	7,272	0	0	74,166	0	74,166	0	0	11,533	0	62,633	0	0	0	0	0	74,166
0 88 DIST WMA REPLC - 2012 - 2017 SC CW S3 03	0	84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	0	0	4,592	0	10,169	0	0	0	0	0	14,761
0 89 2013 WM REPLC - SOGR - 2017 SC	0	87	2010 WM REPLC- 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0 90 2013 WM REPLC - UPGRADES - 2017 SC CW S3 05 0 101 0 0 0 101 0 0 101 0 0 31 0 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	88	DIST W/M REPLC - 2012- 2017 SC	CW	S3	03	90	0	0	0	0	90	0	90	0	0	0	0	90	0	0	0	0	0	90
0 91 DIST W/M REPLACEMENT - 2014- 2017 CW S3 03 -401 255 0 0 0 -146 0 -146 0 -146 0 0 0 40 0 -186 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	89	2013 WM REPLC - SOGR- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
SC 0 92 WATERMAIN UPGRADES - 2014 - 2017 SC CW S3 05	0	90	2013 WM REPLC - UPGRADES- 2017 SC	CW	S 3	05	0	101	0	0	0	101	0	101	0	0	31	0	70	0	0	0	0	0	101
0 93 WATERMAIN REPLACEMENT - CW S3 03 -712 -649 724 1,494 1.494 2,351 0 2,351 0 0 0 0 2,351 0 0 0 0 0 0 0 0 0 0 0 0 0	0	91		CW	S 3	03	-401	255	0	0	0	-146	0	-146	0	0	40	0	-186	0	0	0	0	0	-146
METROLINX- 2017 SC 0 94 WATERMAIN UPGRADES - 2015- 2017 SC CW S3 05 -191 0 0 0 0 -191 0 -191 0 0 -191 0 0 -59 0 -132 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	92	WATERMAIN UPGRADES - 2014- 2017 Se	c cw	S3	05	-400	0	0	0	0	-400	0	-400	0	0	0	0	-400	0	0	0	0	0	-400
0 95 DIST W/M REPLACEMENT - 2016-2017 CW S3 03 3,443 -1,270 374 0 0 2,547 0 2,547 0 0 396 0 2,151 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	93		CW	S 3	03	-712	-649	724	1,494	1,494	2,351	0	2,351	0	0	0	0	2,351	0	0	0	0	0	2,351
SC 0 96 WATERMAIN UPGRADES - 2016 - 2017 SC CW S3 05 1,086 -255 0 0 0 831 0 831 0 0 258 0 573 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	94	WATERMAIN UPGRADES - 2015- 2017 SO	c cw	S3	05	-191	0	0	0	0	-191	0	-191	0	0	-59	0	-132	0	0	0	0	0	-191
Sub-total 90,853 28,895 10,846 1,494 1,494 133,582 0 133,582 0 0 23,189 0 110,393 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	95		CW	S3	03	3,443	-1,270	374	0	0	2,547	0	2,547	0	0	396	0	2,151	0	0	0	0	0	2,547
WAT906932 DIST W/M REHABILITATION Under control of the	0	96	WATERMAIN UPGRADES - 2016- 2017 SC	c cw	S3	05	1,086	-255	0	0	0	831	0	831	0	0	258	0	573	0	0	0	0	0	831
0 4 HYDRANT & VALVE REPAIR CW S2 03 2,193 0 0 0 0 2,193 0 0 0 0 2,193 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Sub-total				90,853	28,895	10,846	1,494	1,494	133,582	0	133,582	0	0	23,189	0	110,393	0	0	0	0	0	133,582
0 6 WATERMAIN STRUCTURAL LINING CW S2 03 52,318 14,629 15 2 0 66,964 0 66,964 0 0 0 0 0 66,964 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 CATHODIC PROTECTION CW S2 03 5,298 450 0 0 0 5,748 0 5,748 0 0 0 0 5,748 0 0 0 0 0 5,748 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAT9	06932	DIST W/M REHABILITATION																						
0 7 CATHODIC PROTECTION CW S2 03 5,298 450 0 0 0 5,748 0 0 0 0 5,748 0 0 0 0 0	0	4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	0	0	0	0	2,193	0	0	0	0	0	2,193
	0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	0	0	0	0	66,964	0	0	0	0	0	66,964
0 30 CUT REPAIR CW S2 03 2,933 0 0 0 0 2,933 0 0 0 0 2,933 0 0 0 0 0 2,933 0 0 0	0	7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	0	0	0	0	5,748	0	0	0	0	0	5,748
	0	30	CUT REPAIR	CW	S2	03	2,933	0	0	0	0	2,933	0	2,933	0	0	0	0	2,933	0	0	0	0	0	2,933
0 50 HYDRANT & VALVE REPAIR-2017 SC CW S3 03 127 0 0 0 0 127 0 0 0 0 0 0 0 0 0	0	50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	0	0	0	0	127	0	0	0	0	0	127

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					Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		Vard	Stat. C	Cat. 2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Recov		Total Financing
-	<u> </u>											Capalalaa										
51	CUT REPAIR-2017 SC	CW	S3	03 367	3,300	0	0	0	3,667	0	3,667	o	(0	0	3,667	0	0	0	0	0	3,667
52	WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	0	(0	0	96,580	0	0	11,277	0	0	107,857
54	CATHODIC PROTECTION- 2017 SC	CW	S3	-1,198	888	0	0	0	-310	0	-310	o	(0 0	0	-310	0	0	0	0	0	-310
	Sub-total			77,764	72,166	24,590	9,577	4,575	188,672	507	189,179	0	(0 0	0	177,902	0	0	11,277	0	0	189,179
06934	DIST WATER SERVICE REPAIR																					
12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02 18,219	5,000	0	0	0	23,219	0	23,219	0	(0 0	0	23,219	0	0	0	0	0	23,219
19	2010 WSR	CW	S2	02 5	0	0	0	0	5	0	5	0	(0	0	5	0	0	0	0	0	5
32	WSR CUT REPAIR	CW	S2	03 1,750	0	0	0	0	1,750	0	1,750	o	(0	0	1,750	0	0	0	0	0	1,750
39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02 35	0	0	0	0	35	0	35	O	(0 0	0	35	0	0	0	0	0	35
41	2013 WSR	CW	S2	02 11	0	0	0	0	11	0	11	0	(0	0	11	0	0	0	0	0	11
52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02 11	0	0	0	0	11	0	11	O	(0 0	0	11	0	0	0	0	0	11
59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02 2,277	736	2	0	0	3,015	0	3,015	O	(0 0	0	3,015	0	0	0	0	0	3,015
68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	12,062	5,000	0	0	0	17,062	0	17,062	O	(0 0	0	17,062	0	0	0	0	0	17,062
71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	7,449	0	0	0	0	7,449	0	7,449	O	(0	0	7,449	0	0	0	0	0	7,449
74	REPLACEMENT OF FROZEN SERVICES	CW	S4	1,000	1,000	1,000	0	0	3,000	0	3,000	O	(0	0	3,000	0	0	0	0	0	3,000
75	WSR CUT REPAIRS WITH WM SL	CW	S2	02 1,750	0	0	0	0	1,750	0	1,750	0	(0	0	1,750	0	0	0	0	0	1,750
78	2011 WSR	CW	S2	02 14	0	0	0	0	14	0	14	O	(0 0	0	14	0	0	0	0	0	14
80	WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	CW	S3	-6,716	3,356	4,450	200	0	1,290	0	1,290	O	(0 0	0	1,290	0	0	0	0	0	1,290
81	WSR CUT REPAIR-2017 SC	CW	S3	03 -250	1,500	0	0	0	1,250	0	1,250	0	(0 0	0	1,250	0	0	0	0	0	1,250
82	WATER SERVICE REPAIR - WM REHAB PROGRAM-2017 SC	CW	S3	02 1,723	7,500	7,000	2,000	0	18,223	0	18,223	0	(0 0	0	18,223	0	0	0	0	0	18,223
83	WSR CUT REPAIRS WITH WM SL-2017 SC	CW	S3	02 -250	1,500	0	0	0	1,250	0	1,250	0	(0 0	0	1,250	0	0	0	0	0	1,250
84	2017 WATER SERVICE REPLACEMENT - SOGR	CW	S4	10,000	7,000	3,000	0	0	20,000	0	20,000	0	(0 0	0	20,000	0	0	0	0	0	20,000
86	2010 WSR- 2017 SC	CW	S3	02 0	215	0	0	0	215	0	215	0	(0 0	0	215	0	0	0	0	0	215
87	2011 WSR- 2017 SC	CW	S3	02 1	0	0	0	0	1	0	1	0	(0 0	0	1	0	0	0	0	0	1
	itySub itySub	itySubProj No. Sub-project Name Violeg32 DIST W/M REHABILITATION 51 CUT REPAIR-2017 SC 52 WATERMAIN STRUCTURAL LINING-2017 SC 54 CATHODIC PROTECTION- 2017 SC 54 Sub-total 56 DIST WATER SERVICE REPAIR 57 WATER SERVICE REPAIR 58 USR CUT REPAIR 59 2012 WATER SERVICE REPLACEMENT - SOGR 59 2015 WATER SERVICE REPLACEMENT - SOGR 68 2016 WATER SERVICE REPLACEMENT - SOGR 71 WATER SERVICE REPLACEMENT - WINTER SERVICE REPLACEMENT - SOGR 74 REPLACEMENT OF FROZEN SERVICES 75 WSR CUT REPAIRS WITH WM SL 76 WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC 81 WSR CUT REPAIRS WITH WM SL-2017 SC 83 WSR CUT REPAIRS WITH WM SL-2017 SC 84 2017 WATER SERVICE REPLACEMENT - SOGR 86 2010 WSR-2017 SC	itySubProj No. Sub-project Name Ward 106932 DIST W/M REHABILITATION 51	itySubProj No. Sub-project Name Ward Stat. Commodities 106932 DIST W/M REHABILITATION 51 CUT REPAIR-2017 SC CW \$3 6 52 WATERMAIN STRUCTURAL LINING-2017 CW \$3 6 54 CATHODIC PROTECTION- 2017 SC CW \$2 6 54 CATHODIC PROTECTION- 2017 SC CW \$2 6 52 2010 WSR CW \$2 6 41 2013 WSR CW \$2 6 59 2015 WATER SERVICE REPAIR - WM REHAB CW \$2 6	ThySubProj No. Sub-project Name	Project No. Project Name Ward Stat. Cat. 2017 2018	Project No. Project Name Ward Stat. Cat. 2017 2018 2019	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020	Project No. Project Name Ward Stat. Cat.	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2021 2018-2017 2018 2019 2020 2021 2017-2021 2018-2017 2018 2019 2020 2021 2017-2021 2018-2017 2018 2019 2020 2021 2017-2021 2018-2017 2018 2019 2020 2021 2017-2021 2018-2017 2018 2019 2020 2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 2017		Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2021 2022-2026 2017-2025 2022-2026 2022	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 Total Total Total Total Project Name Various Project Name Vari	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017 2012 2012-2020 2021 2017-200 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2020 2022-2020 2017-2000 2022-2020 2017-2000 2022-2020 2017-2020 2022-202	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2022 2022-2028 2017-2022 2017-2022 2022-2028 2017-2022 2017	Project No. Project Name Ward Stat Cat 2017 2018 2019 2020 2021 2017 2017 2018 2019 2020 2021 2017 2017 2017 2018 2019 2020 2020 2017	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-202 2022-2020 2017-2020 2017-2020 2017-	Project Name Proj	Project No. Project Name Ward State Cat Solid No. Sub-project Name Ward State Ward Sta	Project Name Project Name Ward Start Care Ward Start C	Property Property	Professor Prof

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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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Appendix 4: 2017 Cash Flow and Future Year Commitments

,,,	ter i i	og. um																						
							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	r Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
		DIST WATER SERVICE REPAIR													-									
0	88	2013 WSR- 2017 SC	CW	S3	02	0	100	0	0	0	100	0	100	0	(0	0	100	0	0	0	0	0	100
0	89	2014 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	0	266	0	0	0	266	0	266	0	(0	0	266	0	0	0	0	0	266
0	90	2015 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	-712	26	-2	0	0	-688	0	-688	0	(0	0	-688	0	0	0	0	0	-688
0	91	2016 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	CW	S3	02	-8,622	2,611	0	0	0	-6,011	0	-6,011	0	(0	0	-6,011	0	0	0	0	0	-6,011
		Sub-total				39,757	35,810	15,450	2,200	0	93,217	0	93,217	0	(0	0	93,217	0	0	0	0	0	93,217
WAT	906935	NEW SERVICE CONNECTIONS																						
0	2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,000	0	0	0	0	5,000	0	5,000	0	(0	0	5,000	0	0	0	0	0	5,000
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	22,000	7,500	0	0	0	29,500	0	29,500	0	(0	0	29,500	0	0	0	0	0	29,500
0	22	NEW SERVICE CONNECTIONS - SITE SERVICING-2017 SC	CW	S3	05	8,000	22,500	0	0	0	30,500	0	30,500	0	(0	0	30,500	0	0	0	0	0	30,500
0	23	NEW SERVICE CONNECTIONS - CUT REPAIRS-2017 SC	CW	S3	05	0	5,200	0	0	0	5,200	0	5,200	0	(0	0	5,200	0	0	0	0	0	5,200
		Sub-total				35,000	35,200	0	0	0	70,200	0	70,200	0	(0 0	0	70,200	0	0	0	0	0	70,200
WAT	906951	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	11,563	11,457	7,307	6,554	2,313	39,194	0	39,194	0	(0	0	39,194	0	0	0	0	0	39,194
0	63	ROAD RESTORATION	CW	S2	03	6,005	0	0	0	0	6,005	0	6,005	0	(0	0	6,005	0	0	0	0	0	6,005
0	69	LEGAL SERVICES SALARIES	CW	S3	03	205	0	0	0	0	205	0	205	0	(0	0	205	0	0	0	0	0	205
0	70	ECS SALARIES	CW	S3	03	13,458	0	0	0	0	13,458	0	13,458	0	(0	0	13,458	0	0	0	0	0	13,458
0	71	PPFA SALARIES	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	0	(0	0	2,292	0	0	0	0	0	2,292
0	72	ROAD RESTORATION- 2017 SC	CW	S3	03	-4,005	2,000	0	0	0	-2,005	0	-2,005	0	(0	0	-2,005	0	0	0	0	0	-2,005
0	73	CONSULTING FEES- 2017 SC	CW	S3	03	1,182	678	3,045	148	1,448	6,501	6,861	13,362	0	(0	0	13,362	0	0	0	0	0	13,362
0	74	PMMD SALARIES	CW	S4	03	263	0	0	0	0	263	0	263	0	(0	0	263	0	0	0	0	0	263
		Sub-total				30,963	14,135	10,352	6,702	3,761	65,913	6,861	72,774	0	(0	0	72,774	0	0	0	0	0	72,774
WAT	906977	ISLAND W.T.P. R&R																						
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	1,482	375	0	0	0	1,857	0	1,857	O	(0	0	1,857	0	0	0	0	0	1,857
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	2,320	0	0	0	0	2,320	0	2,320	0	(0	0	2,320	0	0	0	0	0	2,320
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	5	0	0	0	0	5	0	5	0	(0	0	5	0	0	0	0	0	5

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

					Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Commi	itments F	inanced	Ву		
	roject No. Project Name	10/	00	. 2047	2042	2012	2022	2024	Total	Total	Total	Provincial Grants and		Development	Reserves	Reserve	Capital from	011- 1	Oth 3	Debt Recover		Total
	ubProj No. Sub-project Name 7 ISLAND W.T.P. R&R	vvara	Stat. Ca	t. 2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Subsidies	Subsidy	Charges		i unus	Current	Otner 1	Otner2	Debt	-	Financing
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S2 03	1,266	2,430	550	10	0	4,256	0	4,256	0) C	0	0	4,256	0	0	0	0	0	4,256
0 50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2 03	2,738	3,440	12	0	0	6,190	0	6,190	0) C	0	0	6,190	0	0	0	0	0	6,190
0 51	CHEMICAL SYSTEMS' ELECTRICAL FED DISTRIBUTION	ED CW	S2 03	26	0	0	0	0	26	0	26	О) (0	0	26	0	0	0	0	0	26
0 69	Generators` DR3 Program	CW	S2 04	695	650	0	0	0	1,345	0	1,345	0) C	0	0	1,345	0	0	0	0	0	1,345
0 70	PLANTWIDE HVAC UPGRADES	CW	S2 04	1,151	1,141	0	0	0	2,292	0	2,292	0) C	0	0	2,292	0	0	0	0	0	2,292
0 83	RAW WATER INTAKE CLEANING	CW	S2 03	1,090	0	0	0	0	1,090	0	1,090	О) с	0	0	1,090	0	0	0	0	0	1,090
0 89	FACILITY & PROCESS UPGRADES-2017 SC	7 CW	S3 03	-865	0	0	0	0	-865	0	-865	О) с	0	0	-865	0	0	0	0	0	-865
0 90	FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	E CW	S3 03	-1,370	3,100	750	0	0	2,480	0	2,480	О) с	0	0	2,480	0	0	0	0	0	2,480
0 91	TRAVELLING SCREEN REPLACEMENT-2017 SC	CW	S3 03	370	-2,330	150	2,740	0	930	0	930	0) C	0	0	930	0	0	0	0	0	930
0 92	Generators` DR3 Program-2017 SC	CW	S3 04	-695	-570	695	650	0	80	0	80	О) C	0	0	80	0	0	0	0	0	80
0 93	RAW WATER INTAKE CLEANING-2017 S	sc cw	S3 03	-940	1,100	0	0	0	160	0	160	o) C	0	0	160	0	0	0	0	0	160
0 95	ISLAND FILTER AIR SCOUR SYSTEM- 2017 SC	CW	S3 04	0	56	0	0	0	56	0	56	О) C	3	0	53	0	0	0	0	0	56
0 96	ISLAND ENWAVE/RETROFIT PROJECT- 2017 SC	CW	S3 04	4	0	0	0	0	4	0	4	0) C	0	0	4	0	0	0	0	0	4
0 97	AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	CW	S3 03	-2,459	119	2,467	7	0	134	0	134	0) С	0	0	134	0	0	0	0	0	134
0 98	CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017 SC	CW	S3 03	4	40	0	0	0	44	0	44	0) С	0	0	44	0	0	0	0	0	44
0 99	PLANTWIDE HVAC UPGRADES- 2017 S	C CW	S3 04	-525	49	527	15	0	66	0	66	0) С	0	0	66	0	0	0	0	0	66
	Sub-total			4,297	9,600	5,151	3,422	0	22,470	0	22,470	0	C	3	0	22,467	0	0	0	0	0	22,470
WAT90735	3 LAWRENCE ALLAN REVITALIZATION PL	<u>AN</u>																				
0 1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2 05	6,613	13,272	5,506	0	0	25,391	0	25,391	0) C	25,391	0	0	0	0	0	0	0	25,391
0 2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2 05	4,592	0	0	0	0	4,592	0	4,592	o) C	4,592	0	0	0	0	0	0	0	4,592
0 9	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017SC	CW	S3 05	-3,613	-5,272	1,731	7,237	0	83	0	83	o) C	83	0	0	0	0	0	0	0	83
0 10	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2017SC	CW	S3 05	-4,092	3,842	3,842	0	0	3,592	0	3,592	0) C	3,592	0	0	0	0	0	0	0	3,592
	Sub-total			3,500	11,842	11,079	7,237	0	33,658	0	33,658	0	C	33,658	0	0	0	0	0	0	0	33,658
WAT90755	8 REGENT PARK CAPITAL CONTRIBUTIO	N																				

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

																								
							Curr	ent and F	uture Year	Cash Flor	w Commitn	nents			Cu	rrent and Fu	ıture Year (Cash Flov	v Comm	itments F	inanced	Ву		
<u>Sub</u>		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name V	Vard	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
_		REGENT PARK CAPITAL CONTRIBUTION		O tati		-				-				Subsidies										
0	1	REGENT PARK CAPITAL CONTRIBUTION - PHASE 2	CW	S2	05	596	1,391	812	44	71	2,914	40	2,954	0	(2,954	0	0	0	0	0	0	0	2,954
0	13	REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 2017 SC	CW	S3	05	-596	-1,391	-812	-44	-71	-2,914	-40	-2,954	0	(-2,954	0	0	0	0	0	0	0	-2,954
0	14	REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	CW	S4	05	812	1,909	864	1,398	812	5,795	146	5,941	0	(5,941	0	0	0	0	0	0	0	5,941
		Sub-total				812	1,909	864	1,398	812	5,795	146	5,941	0	C	5,941	0	0	0	0	0	0	C	5,941
WAT	907946	BUSINESS IT PROJECTS																						
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	2,409	1,422	1,273	1,000	500	6,604	0	6,604	0	(0	0	6,604	0	0	0	0	0	6,604
0	16	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 2017 SC	CW	S3	04	-1,679	158	2	325	500	-694	750	56	0	(0	0	56	0	0	0	0	0	56
		Sub-total				730	1,580	1,275	1,325	1,000	5,910	750	6,660	0	C	0	0	6,660	0	0	0	0	C	6,660
WAT	908087	TRUNK WATERMAIN																						
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	2,456	10	0	0	0	2,466	0	2,466	0	(0	0	2,466	0	0	0	0	0	2,466
0	4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	3,545	2,950	0	0	0	6,495	0	6,495	0	(0	0	3,247	0	0	3,248	0	0	6,495
0	6	3RD PARTY RELOCATIONS (METROLINX)	CW	S2	04	350	250	250	200	200	1,250	0	1,250	0	(0	0	1,250	0	0	0	0	0	1,250
0	10	TRANSMISSION SYSTEM AUTOMATION- 2017 SC	CW	S3	04	-2,204	606	1,857	1,650	41	1,950	92	2,042	0	(0	0	2,042	0	0	0	0	0	2,042
0	11	3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	CW	S3	04	-300	0	0	0	0	-300	0	-300	0	(0	0	-300	0	0	0	0	0	-300
0	12	JOS - REVENUE METER REPLACEMENT- 2017 SC	CW	S3	03	-1,045	550	1,000	0	0	505	0	505	0	(0	0	253	0	0	252	0	0	505
		Sub-total				2,802	4,366	3,107	1,850	241	12,366	92	12,458	0	C	0	0	8,958	0	0	3,500	0	C	12,458
WAT	908248	WT&S PLANTWIDE																						
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	500	0	0	0	0	500	0	500	0	(0	0	500	0	0	0	0	0	500
0	4	ZEBRA MUSSEL CONTROL - ENG	CW	S4	04	650	404	474	666	130	2,324	48	2,372	0	(0	0	2,372	0	0	0	0	0	2,372
0	6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04	690	600	1,200	1,400	800	4,690	1,600	6,290	0	(377	0	4,026	0	0	1,887	0	0	6,290
0	8	UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	CW	S3	04	-500	0	0	0	0	-500	0	-500	0	(0	0	-500	0	0	0	0	0	-500
0	9	STANDBY POWER - PHASE 2 - ENG- 2017 SC	CW	S3	04	-140	425	-475	-550	-375	-1,115	1,025	-90	0	(-3	0	-62	0	0	-25	0	0	-90
0	10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S4	04	250	1,250	500	1,350	1,290	4,640	780	5,420	0	(0	0	5,420	0	0	0	0	0	5,420

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CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

Water Program

		Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	w Comm	itments	Financed	Ву	
Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
WAT908248 WT&S PLANTWIDE																		
0 12 SCRUBBER AND TONNER CONNECTION CW S4 04 IMPROVEMENTS AT WTP	200	915	730	105	5	1,955	0	1,955	C) () 117	0	1,250	0	(588	0 0	1,955
Sub-total	1,650	3,594	2,429	2,971	1,850	12,494	3,453	15,947	0	() 491	0	13,006	0	(2,450	0 (15,947
Total Program Expenditure	392,232	351,011	175,810	90,900	36,294	1,046,247	28,101	1,074,348	0	(95,040	0	940,039	0	(39,269	0 (1,074,348

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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

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2017 Cash Flow and Future Year Commitments

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

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

 Category Code
 Description

 01
 Health and Safety C01

 02
 Legislated C02

 03
 State of Good Repair C03

 04
 Service Improvement and

Status Code Description

Service Improvement and Enhancement C04
Growth Related C05

05 Growth Related C05 06 Reserved Category 1 C06 07 Reserved Category 2 C07

CITY OF TORONTO

Wastewater Program

Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

					Curre	ent and Fu	iture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	iture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward Stat. Cat	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovers Debt		Total Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																				
0	17	STANDBY POWER GENERATION	CW S2 04	5	0	0	0	0	5	0	5	o	0	0	0	5	0	0	0	0	0	5
0	19	FERROUS UPGRADES	CW S2 03	15,695	5,853	5,955	0	0	27,503	0	27,503	О	0	2,224	0	25,279	0	0	0	0	0	27,503
0	30	ELECTRICAL REHAB - ECAP	CW S2 01	4,542	1,710	35	0	0	6,287	0	6,287	o	0	0	0	6,287	0	0	0	0	0	6,287
0	41	POLYMER UPGRADE	CW S2 03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	o	0	0	0	63,180	0	0	0	0	0	63,180
0	46	REHAB OF GROUNDS & BUILDINGS	CW S2 03	10	0	0	0	0	10	0	10	О	0	0	0	10	0	0	0	0	0	10
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW S2 03	1,252	1,146	250	49	0	2,697	0	2,697	o	0	217	0	2,480	0	0	0	0	0	2,697
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW S2 04	193	0	0	0	0	193	0	193	О	0	15	0	178	0	0	0	0	0	193
0	189	PROCESS AND EQUIPMENT	CW S2 03	1,796	26	27	0	0	1,849	0	1,849	o	0	0	0	1,849	0	0	0	0	0	1,849
0	190	GROUND AND FACILITIES	CW S2 03	445	0	0	0	0	445	0	445	o	0	0	0	445	0	0	0	0	0	445
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	S CW S2 03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	o	0	0	0	12,715	0	0	0	0	0	12,715
0	216	OPERATIONS CENTRE - ENGINEERING	CW S2 03	400	0	0	0	0	400	0	400	o	0	0	0	400	0	0	0	0	0	400
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW S2 05	1,225	500	250	0	0	1,975	0	1,975	o	0	0	0	1,975	0	0	0	0	0	1,975
0	227	AIR HEADER REHAB	CW S2 03	727	1,700	0	0	0	2,427	0	2,427	О	0	0	0	2,427	0	0	0	0	0	2,427
0	229	D BUILDING PHASE 2	CW S2 03	502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	О	0	0	0	12,102	0	0	0	0	0	12,102
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW S2 03	590	250	0	0	0	840	0	840	o	0	0	0	840	0	0	0	0	0	840
0	248	SOILS MANAGEMENT PLAN	CW S2 03	200	100	0	0	0	300	0	300	o	0	0	0	300	0	0	0	0	0	300
0	264	HVAC CONVERSION Z-BLDG	CW S2 03	1,860	1,500	0	0	0	3,360	0	3,360	o	0	0	0	3,360	0	0	0	0	0	3,360
0	265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2017 SC	CW S3 03	398	714	1,280	201	49	2,642	0	2,642	o	0	213	0	2,429	0	0	0	0	0	2,642
0	266	PROCESS AND EQUIPMENT-2017 SC	CW S3 03	-563	1,756	1,100	1,100	0	3,393	0	3,393	o	0	0	0	3,393	0	0	0	0	0	3,393
0	267	GROUND AND FACILITIES-2017 SC	CW S3 03	-4	440	440	440	0	1,316	0	1,316	o	0	0	0	1,316	0	0	0	0	0	1,316
0	269	NEW FLEET PURCHASES-2017 SC	CW S3 04	80	0	0	0	0	80	0	80	o	0	0	0	80	0	0	0	0	0	80
0	270	SOILS MANAGEMENT PLAN-2017 SC	CW S3 03	-200	-100	0	0	0	-300	0	-300	О	0	0	0	-300	0	0	0	0	0	-300
0	272	FERROUS UPGRADES - 2017 SC	CW S3 03	-8,315	5,495	3,275	0	0	455	0	455	o	0	27	0	428	0	0	0	0	0	455
0	273	ELECTRICAL REHAB - ECAP- 2017 SC	CW S3 01	-1,375	1,718	-3	0	0	340	0	340	a	0	0	0	340	0	0	0	0	0	340

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							Curre	ent and Fi	iture Year	Cash Flo	w Commitn	nents			Cin	rent and F	uture Yea	r Cash Flo	w Commi	tments F	inanced	Bv		
						1	Curre	on and re	1641	-uo.i i i0					Cui	. Sint and F	a.u.e redi	Justi FIU		ionto F	maniceu	Debt -	Т	
<u>Su</u> Pri		<u>pject No.</u> <u>Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Recovera	able	Total Financing
WA:	3000007	ASHBRIDGES BAY WWTP REHAB																						
0	274	REHAB OF GROUNDS & BUILDINGS- 20 SC	017 CW	S3	03	0	472	0	0	0	472	0	472	0	C	0	0	472	0	0	0	0	0	472
0	275	PROCESS UPGRADES & ODOUR CONTROL ENG- 2017 SC	CW	S3	04	-93	105	0	0	0	12	0	12	0	C	1	0	11	0	0	0	0	0	12
0	276	POLYMER UPGRADE- 2017 SC	CW	S3	03	-12	3,000	8,000	6,000	6,000	22,988	7,000	29,988	0	C	0	0	29,988	0	0	0	0	0	29,988
0	277	OPERATIONS CENTRE - ENGINEERING 2017 SC	3- CW	S3	03	-100	400	0	0	0	300	0	300	0	C	0	0	300	0	0	0	0	0	300
0	278	ABTP - PROCESS ROADMAP PHASE 2- 2017 SC	- CW	S3	05	-975	500	250	250	0	25	0	25	0	C	0	0	25	0	0	0	0	0	25
0	279	AIR HEADER REHAB- 2017 SC	CW	S3	03	450	820	0	0	0	1,270	0	1,270	0	C	0	0	1,270	0	0	0	0	0	1,270
0	280	D BUILDING PHASE 2- 2017 SC	CW	S3	03	322	-1,330	8,860	8,700	8,700	25,252	9,190	34,442	0	C	0	0	34,442	0	0	0	0	0	34,442
0	281	HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	CW	S3	03	-90	100	0	0	0	10	0	10	0	C	0	0	10	0	0	0	0	0	10
0	282	HVAC CONVERSION Z-BLDG- 2017 SC	CW	S3	03	-860	0	1,013	0	0	153	0	153	0	C	0	0	153	0	0	0	0	0	153
0	285	BLOWER 7-9 OVERHAUL	CW	S4	03	800	500	0	0	0	1,300	0	1,300	0	C	0	0	1,300	0	0	0	0	0	1,300
0	286	STANDBY POWER GENERATION- 2017 SC	CW	S3	04	15	18	0	0	0	33	0	33	0	C	3	0	30	0	0	0	0	0	33
		Sub-total				23,647	36,469	48,676	37,644	33,101	179,537	32,682	212,219	0	C	2,700	0	209,519	0	0	0	0	0	212,219
WA:	<u>3000115</u>	HUMBER T.P.																						
0	9	CO-GENERATION	CW	S2	04	335	109	0	0	0	444	0	444	0	C	0	0	444	0	0	0	0	0	444
0	62	CO-GENERATION- 2017 SC	CW	S3	04	-135	150	0	0	0	15	0	15	0	C	0	0	15	0	0	0	0	0	15
		Sub-total				200	259	0	0	0	459	0	459	0	C	0	0	459	0	0	0	0	0	459
WA	S000259	TRUNK SEWER SYSTEM																						
0	15	TRUNK SEWER REHABILITATION - 201	2 CW	S2	03	1,643	748	101	29	0	2,521	0	2,521	0	C	0	0	2,521	0	0	0	0	0	2,521
0	27	TRUNK SEWER REHABILITATION - 201	4 CW	S2	03	38,206	7,567	1,810	10	0	47,593	0	47,593	0	C	0	0	47,593	0	0	0	0	0	47,593
0	34	BLACK CREEK STS EA	CW	S2	05	1,177	0	0	0	0	1,177	0	1,177	0	C	0	0	1,177	0	0	0	0	0	1,177
0	47	TRUNK SEWER REHABILITATION - 201	6 CW	S2	03	3,590	19,175	11,770	240	10	34,785	0	34,785	0	C	0	0	34,785	0	0	0	0	0	34,785
0	49	TRUNK SEWER REHABILITATION - 2014-2017 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	6,565	0	6,565	0	C	0	0	6,565	0	0	0	0	0	6,565
0	50	TRUNK SEWER REHABILITATION - 2016-2017 SC	CW	S3	03	260	3,171	258	492	4	4,185	0	4,185	0	C	0	0	4,185	0	0	0	0	0	4,185
0	52	TRUNK SEWER REHABILITATION - 201 2017 SC	2- CW	S3	03	430	755	318	-1	15	1,517	0	1,517	O	C	0	0	1,517	0	0	0	0	0	1,517
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							Curre	nt and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Yeaı	r Cash I	Flow Comm	itments l	inanced	Ву		
Sub Pric		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal (Development Charges	Reserves	Reserv Funds	Capital re from Current	Other 1	Other2	Deb Recove Debt		Total Financing
WAS	000259	TRUNK SEWER SYSTEM																						
0	53	TRUNK SEWER REHABILITATION - 2018	CW	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	0	0	0	0	104,1	31 0	(0	0	0	104,131
0	54	BLACK CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	0	0	0	0	;	33 0	(0	0	0	33
		Sub-total				31,492	48,185	33,188	31,616	29,945	174,426	28,081	202,507	0	0	0	0	202,50	07 C		0	0	0	202,507
WAS	000442	BASEMENT FLOODING RELIEF																						
0	1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	0	0	0	11,00	00 0	(0	0	0	11,000
0	8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	0	0	0	0	2,0	76 C	(0	0	0	2,076
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	- CW	S2	04	5,050	7,000	35,000	35,000	35,000	117,050	55,000	172,050	0	0	0	0	172,0	50 0	(0	0	0	172,050
0	12	ROAD RESTORATION FOR BSMT FLDG PRJS	CW	S2	04	515	0	0	0	0	515	0	515	0	0	0	0	5	15 0	(0	0	0	515
0	14	BASEMENT FLOODING DESIGN - GROUP 1	P CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	0	0	0	0	2,30	06 0	(0	0	0	2,306
0	18	BASEMENT FLOODING DESIGN - GROUP 2	P CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	0	0	0	0	6,50	64 0	(0	0	0	6,564
0	19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	0	0	0	0	131,40	04 0	(0	0	0	131,404
0	20	BASEMENT FLOODING DESIGN - GROUP 3	P CW	S2	04	4,458	2,644	268	20	0	7,390	0	7,390	0	0	0	0	7,3	90 0	(0	0	0	7,390
0	29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,268	55	0	0	0	2,323	0	2,323	0	0	0	0	2,3	23 0	(0	0	0	2,323
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	1,614	1,500	1,500	1,500	500	6,614	0	6,614	0	0	0	0	6,6	14 0	(0	0	0	6,614
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	P CW	S2	04	11,794	17,820	21,560	21,930	21,930	95,034	57,279	152,313	0	0	0	0	152,3	13 0	(0	0	0	152,313
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	10,755	5,500	0	0	0	16,255	0	16,255	0	0	0	0	16,2	55 0	(0	0	0	16,255
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S4	04	10,788	36,775	66,350	72,859	85,700	272,472	494,806	767,278	0	0	0	0	767,2	78 C	(0	0	0	767,278
0	102	BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	P CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	0	0	0	0	-49	91 0	(0	0	0	-491
0	103	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2017 SC	_ CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	0	0	0	0	1,40	00 0	(0	0	0	1,400
0	104	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	0	0	0	0	-68,7	43 0	(0	0	0	-68,743
0	105	BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	P CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	0	0	0	0	2:	35 0	(0	0	0	235
0	106	BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	P CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	0	0	0	0	-20,30	07 0	(0	0	0	-20,307
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S4	04	8,486	13,164	7,840	6,388	5,000	40,878	0	40,878	0	0	0	0	40,8	78 C	(0	0	0	40,878
0	108	LIDAR PURCHASE	CW	S4	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,00	00 0	(0	0	0	1,000

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wa	SICWA	iter Program																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flov	w Commi	itments F	inanced E	Ву		
Sub Pric		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAS	000442	BASEMENT FLOODING RELIEF																						
0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	0	0	0	0	194	0	0	0	0	0	194
0	110	BASEMENT FLOODING PROTECTION SUBSIDY PROG- 2017 SC	CW	S3	04	0	0	5,500	0	0	5,500	0	5,500	0	0	0	0	5,500	0	0	0	0	0	5,500
0	111	BASEMENT FLOODING STUDIES & EAS 2017 SC	- CW	S3	04	215	249	0	0	100	564	0	564	0	0	0	0	564	0	0	0	0	0	564
0	112	BASEMENT FLOODING DESIGN - GROU 2- 2017 SC	JP CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	0	0	0	0	-241	0	0	0	0	0	-241
0	113	BASEMENT FLOODING RELIEF - GROU 1- 2017 SC	P CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	0	0	0	0	-641	0	0	0	0	0	-641
0	114	ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	CW	S3	04	-515	0	0	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	0	-515
0	115	BASEMENT FLOODING STUDIES&EA`S-CW IMPLEMENT 2017S		S3	04	-6,946	-2,242	3,550	2,850	1,800	-988	3,650	2,662	0	0	0	0	2,662	0	0	0	0	0	2,662
0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC	CW	S3	04	-715	-574	-546	-518	-500	-2,853	0	-2,853	0	0	0	0	-2,853	0	0	0	0	0	-2,853
		Sub-total				71,847	95,269	116,125	128,379	149,370	560,990	675,740	1,236,730	0	0	0	01	,236,730	0	0	0	0	0 1	,236,730
WAS	000521	HIGHLAND CREEK WWTP - BUILDING S	SERV &																					
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,326	4,000	1,742	0	0	7,068	0	7,068	0	0	0	0	7,068	0	0	0	0	0	7,068
0	9	HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	CW	S3	03	1,674	-674	-1,112	0	0	-112	0	-112	0	0	0	0	-112	0	0	0	0	0	-112
		Sub-total				3,000	3,326	630	0	0	6,956	0	6,956	0	0	0	0	6,956	0	0	0	0	0	6,956
WAS	906322	W&WW LABORATORIES																						
0	9	LAB EQUIPMENT	CW	S2	03	188	207	0	0	0	395	0	395	0	0	0	0	395	0	0	0	0	0	395
0	31	LAB EQUIPMENT- 2017 SC	CW	S3	03	57	41	358	209	458	1,123	0	1,123	0	0	0	0	1,123	0	0	0	0	0	1,123
		Sub-total				245	248	358	209	458	1,518	0	1,518	0	0	0	0	1,518	0	0	0	0	0	1,518
WAS	906328	SWM END OF PIPE FACILITIES																					T	
0	11	Bonar Creek SWMF Construction	CW	S2	04	3,000	7,400	5,570	150	0	16,120	0	16,120	0	0	1,296	0	14,824	0	0	0	0	0	16,120
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	1,475	0	0	0	0	1,475	0	1,475	0	0	119	0	1,356	0	0	0	0	0	1,475
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	0	1,150	1,150	46,800	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950
0	63	Bonar Creek SWMF Construction-2017 SC	c cw	S3	04	-2,750	-6,900	2,280	7,550	100	280	100	380	0	0	32	0	348	0	0	0	0	0	380
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S4	03	100	350	150	0	0	600	0	600	0	0	48	0	552	0	0	0	0	0	600
0	65	NORTH TORONTO CSO CONSTR- 2017 SC	CW	S3	04	47	0	0	0	0	47	0	47	0	0	4	0	43	0	0	0	0	0	47
0	66	EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	CW	S3	04	-543	250	250	0	0	-43	0	-43	0	0	-4	0	-39	0	0	0	0	0	-43

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

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							Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Price		<u>oject No. Project Name</u> oProj No. Sub-project Name	Ward	Stat	Cat	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
	_	WET WEATHER FLOW MP	vvaia	Otat.	Oat.	2011	20.0	20.0			2017 2021		2017 2020	Subsidies	Cubbia					00	0.11012	2001	\dashv	- Indriding
0		SWM CONVEYANCE 2015	CW	S2	04	685	0	0	0	0	685	0	685	0	0	55	0	630	0	0	0	0	0	685
0	59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2	03	3,975	4,800	4,800	2,000	0	15,575	0	15,575	0	0	0	0	15,575	0	0	0	0	0	15,575
0	60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	5,045	5,000	5,000	5,000	5,000	25,045	7,950	32,995	0	0	0	0	32,995	0	0	0	0	0	32,995
0	76	SWM CONVEYANCE 2016	CW	S2	04	2,303	245	0	0	0	2,548	0	2,548	0	0	205	0	2,343	0	0	0	0	0	2,548
0	82	STORM WATER POND ASSESSMENT & CLEANING-2017 SC	CW	S3	03	-3,550	-2,987	-2,400	2,800	4,300	-1,837	3,500	1,663	0	0	0	0	1,663	0	0	0	0	0	1,663
0	83	ASHBRIDGES BAY LANDFORMS-2017 Se	C CW	S3	04	-4,545	0	0	0	0	-4,545	4,550	5	0	0	0	0	5	0	0	0	0	0	5
0	84	SWM CONVEYANCE 2017	CW	S4	04	3,460	2,172	1,010	0	0	6,642	0	6,642	o	0	535	0	6,107	0	0	0	0	0	6,642
0	85	HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	CW	S4	04	200	0	0	0	0	200	0	200	О	0	16	0	184	0	0	0	0	0	200
0	86	GREEN STREETS	CW	S4	04	333	568	403	170	0	1,474	0	1,474	0	0	119	0	1,355	0	0	0	0	0	1,474
0	92	WWFMP IMPLEMENTATION - DESIGN - 2017 SC	CW	S3	04	-872	-712	1,400	1,450	0	1,266	0	1,266	o	0	101	0	1,165	0	0	0	0	0	1,266
0	93	SWM INA/EA- 2017 SC	CW	S3	04	-282	100	275	0	0	93	0	93	0	0	8	0	85	0	0	0	0	0	93
0	94	PUBLIC EDUCATION- 2017 SC	CW	S3	04	60	610	0	0	0	670	0	670	0	0	54	0	616	0	0	0	0	0	670
0	95	SWM CONVEYANCE 2015- 2017 SC	CW	S3	04	-434	200	0	0	0	-234	0	-234	0	0	-19	0	-215	0	0	0	0	0	-234
0	96	SWM CONVEYANCE 2016- 2017 SC	CW	S3	04	-2,303	-245	0	0	0	-2,548	0	-2,548	0	0	-205	0	-2,343	0	0	0	0	0	-2,548
0	97	WATERFRONT MODELLING STUDIES	CW	S4	05	25	100	100	100	100	425	75	500	0	0	40	0	460	0	0	0	0	0	500
		Sub-total				6,870	11,651	10,638	11,520	9,400	50,079	16,075	66,154	0	0	1,281	0	64,873	0	0	0	0	0	66,154
WAS	906495	SEWER ASSET PLANNING																						
0	5	SEWER ASSET PLANNING	CW	S2	03	5,016	4,100	4,090	255	0	13,461	0	13,461	0	0	1,083	0	12,378	0	0	0	0	0	13,461
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	8,978	10,741	12,000	11,000	5,495	48,214	0	48,214	0	0	0	0	48,214	0	0	0	0	0	48,214
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	225	0	0	0	0	225	0	225	0	0	0	0	225	0	0	0	0	0	225
0	31	SEWER ASSET PLANNING-2017 SC	CW	S3	03	349	3,575	2,994	0	0	6,918	0	6,918	0	0	558	0	6,360	0	0	0	0	0	6,918
0	32	SEWER SYSTEM INSPECTION-2017 SC	CW	S3	03	293	9,541	-4,255	-1,000	-5,495	-916	0	-916	0	0	0	0	-916	0	0	0	0	0	-916
0	33	PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	CW	S3	05	-75	150	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	0	75

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Gross Expenditures (\$000's)

WAS906743 ASHRIDGES BAY TP YR2005

Appendix 4: 2017 Cash Flow and Future Year Commitments Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Debt -Capital Federal Development Charnes Reserves Funds Total Total Sub- Project No. Project Name Recoverable Reserve from Total Grants and 2017 2018 2019 2020 2021 2022-2026 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2017-202 2017-2026 Other 1 Other 2 Debt Financing WAS906495 SEWER ASSET PLANNING 0 34 CORP IT - IDC CW S4 04 147 n n 147 147 Ω Ω 0 0 147 n n n 0 147 Sub-total 28,107 14,829 10,255 0 1,641 0 66,483 0 0 0 68,124 WAS906500 NEW SEWER CONSTRUCTION NEW SEWERS CW S2 05 506 0 0 506 506 315 191 0 506 32,000 40,000 WATERFRONT SANITARY MASTER 40.000 0 24 CW S2 05 Ω Ω 0 0 8.000 8,000 Ω 0 20.000 0 20.000 n 0 0 SERVICING PLAN IMP 0 25 DOWNSVIEW LANDS EXTERNAL CW S2 1,495 2,000 4,500 7,995 7,995 7,995 0 7,995 **UPGRADES** 0 31 WATERFRONT SANITARY MASTER CW S3 05 500 2,000 5,000 5,000 -8,000 4,500 -32,000 -27,500 -13,750 -13,750 0 0 -27,500 n 0 0 n SERVICING PLAN-2017 SC NEW SEWERS- 2017 SC 69 0 33 CW S3 05 -491 560 0 0 69 69 42 27 0 0 0 DOWNSVIEW LANDS EXTERNAL 0 35 CW S3 05 -45 3,000 -2,950 0 0 Ω 0 0 0 0 0 UPGRADES- 2017 SC 21,075 Sub-total 1,965 7,560 6,550 5,000 21,075 21,075 0 0 14,607 0 6,468 0 0 0 0 WAS906501 YARD & BUILDING RENOVATION YARDS & BUILDING RENOVATION CW S2 04 0 0 0 2 Sub-total 2 0 0 0 0 0 0 0 4 0 0 0 0 WAS906735 DIST SEWER REHAB OPS YR2005 GROUP 1 SEWAGE PUMPING STATION CW S2 n 0 n 0 0 10 0.3 Ω Ω Ω Ω Ω n **UPGRADES** GROUP 1 SEWAGE PUMPING STATION CW S3 12 69 0 78 78 0 71 0 78 UPGRADES - 2017 SC 84 Sub-total 3 12 69 0 84 0 0 7 0 77 0 0 0 0 WAS906741 HIGHLAND CREEK TP YR2005 WAS THICKENING AND DEWATERING -46 46 43 0 46 0 CW S2 40 6 0 Ω Ω 0 n n 0.3 Ω 3 0 19 WAS THICKENING AND DEWATERING --27 0 0 -23 -23 0 0 0 -22 0 0 -23 ENG-2017 SC Sub-total 13 10 23 0 0 2 21 0 0 23 0 0 0 0 0 WAS906742 HUMBER TP YR2005 1.435 0 8 ODOUR CONTROL ENGINEERING CW S2 04 1.275 100 60 Ω 1.435 1.435 0 0 0 0 1.435 n n 0 56 ODOUR CONTROL ENGINEERING-2017 CW S3 -74 410 540 100 20 996 996 0 0 0 0 996 0 0 0 996 SC Sub-total 1,201 510 600 100 20 2,431 2,431 2,431 0 2,431

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

						Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub		oject No. Project Name					22.42			Total	Total	Total	Provincial Grants and		Development	Posonios	Reserve	Capital from			Debt -	- 1	Total
	_	bProj No. Sub-project Name	Ward S	Stat. Ca	t. 2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Subsidies	Subsidy	Charges	Reserves	Funas	Current	Other 1	Other2	Debt		Financing
WAS	906743	ASHRIDGES BAY TP YR2005																					
0	1	MISC MECH ENGINEERING	CW	S2 03	786	838	87	0	0	1,711	0	1,711	0	0	138	0	1,573	0	0	0	0	0	1,711
0	7	SERVICE AIR UPGRADES	CW	S2 03	2,885	1,497	150	0	0	4,532	0	4,532	0	0	0	0	4,532	0	0	0	0	0	4,532
0	59	MISC MECH ENGINEERING- 2017 SC	CW	S3 03	-386	-438	395	80	0	-349	0	-349	0	0	-29	0	-320	0	0	0	0	0	-349
0	60	SERVICE AIR UPGRADES- 2017 SC	CW	S3 03	-1,785	949	-75	0	0	-911	0	-911	0	0	0	0	-911	0	0	0	0	0	-911
		Sub-total			1,500	2,846	557	80	0	4,983	0	4,983	0	0	109	0	4,874	0	0	0	0	0	4,983
WAS	906755	WESTERN BEACHES RETROFIT																				l	
0	1	WESTERN BEACHES RETROFIT	CW	S2 03	4,709	3,092	1,057	15	86	8,959	0	8,959	0	0	721	0	8,238	0	0	0	0	0	8,959
0	15	WESTERN BEACHES RETROFIT- 2017 S	SC CW	S3 03	-3,489	2,224	5,285	5,870	-71	9,819	86	9,905	0	0	798	0	9,107	0	0	0	0	0	9,905
		Sub-total			1,220	5,316	6,342	5,885	15	18,778	86	18,864	0	0	1,519	0	17,345	0	0	0	0	0	18,864
WAS	906926	OPERATIONAL SUPPORT																					
0	6	FACILITY RENOVATION	CW	S2 04	1,450	1,000	0	0	0	2,450	0	2,450	0	0	0	0	2,450	0	0	0	0	0	2,450
0	7	RENOVATION - MERTON STREET	CW	S2 04	. 5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	23	EMP MONITORING NEEDS	CW	S2 04	95	0	0	0	0	95	0	95	0	0	0	0	95	0	0	0	0	0	95
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2 04	4,119	5,309	5,808	4,024	24	19,284	0	19,284	0	0	0	0	19,284	0	0	0	0	0	19,284
0	98	DESIGNATED SUBSTANCE ABATEMENT	T CW	S2 02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	100	DIVISIONAL SECURITY	CW	S2 04	1,025	0	0	0	0	1,025	0	1,025	0	0	0	0	1,025	0	0	0	0	0	1,025
0	105	BACKUP POWER - FINCH AND DEE	CW	S4 04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	107	OFFICE MODERNIZATION - MH18	CW	S4 04	625	1,875	0	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0	108	DIVISIONAL SECURITY- 2017 SC	CW	S3 04	. 0	1,030	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030
0	109	FACILITY RENOVATION- 2017 SC	CW	S3 04	-700	-250	750	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	110	RENOVATION - MERTON STREET- 2017 SC	CW	S3 04	. 0	20	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0	111	DESIGNATED SUBSTANCE ABATEMENT 2017 SC	T- CW	S3 02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	112	EMP MONITORING NEEDS- 2017 SC	CW	S3 04	-45	50	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	113	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 SC	CW	S3 04	91	203	-793	725	27	253	0	253	0	0	0	0	253	0	0	0	0	0	253

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

					Į		Curre	nt and Fu	iture Year	Cash Flov	w Commitm	nents			Cui	rent and Fu	ıture Year	Cash Flo	w Commi	itments	Finance	d By			
	ritySub	ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del	Debt - Recovera bt		Total Financing
WAS	906926	OPERATIONAL SUPPORT																							
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S4	04	250	250	1,000	2,000	400	3,900	0	3,900	0	C	0	0	3,900	0		0 (0	0	0	3,900
		Sub-total				7,415	9,487	6,765	6,749	451	30,867	0	30,867	0	C	0	0	30,867	0		0	0	0	0	30,867
WAS	906958	SEWER SYSTEM REHABILITATION			Ī																				
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	0	C	1	0	9	0		0 (0	0	0	10
0	5	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	0	C	0	0	59	0		0 (0	0	0	59
0	8	SPS SCADA UPGRADES - ENGINEERING	G CW	S2	04	561	0	0	0	0	561	0	561	o	C	45	0	516	0		0 (0	0	0	561
0	9	SEWER REHABILITATION	CW	S2	03	9,700	3,581	0	0	0	13,281	0	13,281	0	C	0	0	13,281	0		0 (0	0	0	13,281
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	163	0	0	0	0	163	0	163	o	C	13	0	150	0		0 (0	0	0	163
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	7,708	6,300	6,165	1,928	28	22,129	0	22,129	0	C	1,781	0	20,348	0		0 (0	0	0	22,129
0	79	SEWER REHABILITATION - CWD	CW	S2	03	34,274	15,250	0	0	0	49,524	0	49,524	0	C	3,551	0	45,973	0		0 (0	0	0	49,524
0	81	CCTV INSPECTION-2017 SC	CW	S3	03	1,141	1,200	0	0	0	2,341	0	2,341	0	C	0	0	2,341	0		0 (0	0	0	2,341
0	82	SEWER REHABILITATION-2017 SC	CW	S3	03	14,453	12,580	6,036	36	0	33,105	0	33,105	0	C	0	0	33,105	0		0 (0	0	0	33,105
0	83	SEWER REHABILITATION - CWD-2017 S	c cw	S3	03	4,258	23,711	18,200	1,700	1,700	49,569	1,850	51,419	0	C	-3,551	0	54,970	0		0 (0	0	0	51,419
0	86	SEWAGE PUMPING STATION STANDBY POWER - 2017 SC	CW	S3	02	-144	114	0	0	0	-30	0	-30	0	C	-2	0	-28	0		0 (0	0	0	-30
0	87	GROUPS 2 3 4 SEWAGE PUMPING STATION UPGR- 2017 SC	CW	S3	03	0	32	0	0	0	32	0	32	0	C	3	0	29	0		0 (0	0	0	32
0	88	SPS SCADA UPGRADES - ENGINEERING 2017 SC	G- CW	S3	04	-173	214	0	0	0	41	0	41	0	C	3	0	38	0		0 (0	0	0	41
0	89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017 SC	CW	S3	05	-4,308	0	100	2,000	2,100	-108	0	-108	0	C	-9	0	-99	0		0 (0	0	0	-108
		Sub-total				67,702	62,982	30,501	5,664	3,828	170,677	1,850	172,527	0	C	1,835	0	170,692	0		0	0	0	0	172,527
WAS	906960	STREAM RESTORATION & EROSION CO	NTRC		Ī																				
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	42	0	0	0	0	42	0	42	0	C	3	0	39	0		0 (0	0	0	42
0	7	STREAM RESTORATION	CW	S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	0	C	1,192	0	13,619	0		0 (0	0	0	14,811
0	39	STREAM RESTORATION - PHASE 2	CW	S2	03	2,850	8,350	8,800	4,400	2,200	26,600	9,790	36,390	0	C	2,927	0	33,463	0		0 (0	0	0	36,390
0	41	WATERCOURSE - ENGINEERING	CW	S4	03	100	1,175	1,135	1,025	1,030	4,465	1,490	5,955	0	C	480	0	5,475	0		0 (0	0	0	5,955
0	43	PARTNER PROJECTS	CW	S4	03	1,000	1,600	1,600	600	200	5,000	0	5,000	a	C	403	0	4,597	0		0 (0	0	0	5,000

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Appendix 4: 2017 Cash Flow and Future Year Commitments

					Curre	nt and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	iture Year C	Cash Flo	w Comm	itments	Financed	Ву				
Sub-		ject No. Project Name	Ward	Stat	Cat	2017	2018	2019	2020	2021	Total 2017-2021	Total	Total 2017-2026	Provincial Grants and	Federal (Development Charges	R Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove		Total Financing
		STREAM RESTORATION & EROSION CON		Stat.	Cat.	2017	2010	2010	2020	2021	2017-2021	2022 2020	2017-2020	Subsidies	Oubsidy	Onlargoo				Other	Otherz	Debt	\dashv	Tillancing
	48	STREAM RESTORATION - 2017 SC	CW	S3	03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	0	-943	0	-10,773	0) C	0 0	0	0	-11,716
0	49	STREAM RESTORATION - PHASE 2 - 2017 SC	CW	S3	03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	0	-2,927	0	-33,463	0) C	0 0	0	0	-36,390
0	50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	CW	S3	04	3	0	0	0	0	3	0	3	0	0	1	0	2	0) C	0 0	0	0	3
0	51	STUDIES, EAS, MASTER PLANS	CW	S4	03	910	1,740	1,930	860	410	5,850	50	5,900	0	0	474	0	5,426	0) C	0 0	0	0	5,900
0	52	CRITICAL REPAIRS	CW	S4	03	825	1,775	1,500	1,275	1,575	6,950	2,555	9,505	0	0	766	0	8,739	0) C	0 0	0	0	9,505
0	53	EMERGENCY EROSION CONTROL	CW	S4	03	300	740	850	300	300	2,490	150	2,640	0	0	212	0	2,428	0) C	0 0	0	0	2,640
		Sub-total				5,986	7,319	7,015	4,060	3,515	27,895	4,245	32,140	0	0	2,588	0	29,552	0) C	0 0	0	0	32,140
WAS	906966	SWM TRCA FUNDING																						
0	23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	CW	S3	04	4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0) C	0 0	0	0	4,275
		Sub-total				4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0	C	0 0	0	0	4,275
WAS	906968	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	13,978	9,453	6,307	5,554	1,313	36,605	0	36,605	0	0	0	0	36,605	0) C	0 0	0	0	36,605
0	59	ROAD RESTORATION	CW	S2	03	1,838	0	0	0	0	1,838	0	1,838	0	0	0	0	1,838	0) C	0 0	0	0	1,838
0	64	CONSULTING FEES	CW	S3	03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	0	0	0	0	10,040	0) (0 0	0	0	10,040
0	65	ECS SALARIES	CW	S3	03	13,936	0	0	0	0	13,936	0	13,936	0	0	0	0	13,936	0) (0 0	0	0	13,936
0	66	ROAD RESTORATION- 2017 SC	CW	S3	03	-1,038	800	0	0	0	-238	0	-238	0	0	0	0	-238	0) C	0 0	0	0	-238
		Sub-total				26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	0	0	0	62,181	0	С	0 0	0	0	62,181
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	24	FORCEMAIN REPLACEMENT	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0) C	0 0	0	0	10
0	25	2012 SEWER REPLC	CW	S2	03	415	0	0	0	0	415	0	415	0	0	0	0	415	0) C	0 0	0	0	415
0	35	2013 SEWER REPLC	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0) C	0 0	0	0	1
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	631	0	0	0	0	631	0	631	0	0	2	0	629	0	C	0 0	0	0	631
0	46	EBF REPORT	CW	S2	04	41	0	0	0	0	41	0	41	0	0	27	0	14	0) C	0 0	0	0	41
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,951	1,900	1,786	0	0	5,637	0	5,637	0	0	0	0	5,637	0) C	0 0	0	0	5,637
0	55	SEWER REPLACEMENT - LESLIE ST 2017 SC	CW	S3	03	147	0	0	0	0	147	0	147	0	0	12	0	135	0) С	0	0	0	147

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

						Curre	ent and Fu	iture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flov	w Commi	tments l	Financed	Ву		
		Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges		Reserve	Capital from Current	Other 1	Other2	Reco		Total Financing
906973	EWER REPLACEMENT PROGRAM																						
62 8	EWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	0	0	137	0	1,556	0	C	0	0	0	1,693
71 8	EWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	0	0	1,194	0	13,638	0	C	0	0	0	14,832
75 F	ORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	0	0	0	0	23,475	0	C	0	0	0	23,475
78 5	EWER REPLC - 2017 PROGRAM	CW	S4	03	4,898	2,047	1,257	0	0	8,202	0	8,202	0	0	660	0	7,542	0	C	0	0	0	8,202
		CW	S3	03	-607	335	0	0	0	-272	0	-272	0	0	27	0	-299	0	C	0	0	0	-272
		CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	0	0	0	0	540	0	C	0	0	0	540
83 F	ORCEMAIN REPLACEMENT- 2017 SC	CW	S3	03	-5	25	0	0	0	20	0	20	0	0	0	0	20	0	C	0	0	0	20
84 2	012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	0	0	0	0	-293	0	C	0	0	0	-293
85 E	BF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	0	0	627	0	332	0	C	0	0	0	959
86 E	BF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	0	0	2,905	0	1,537	0	C	0	0	0	4,442
		CW	S3	03	314	505	0	0	0	819	0	819	0	0	65	0	754	0	C	0	0	0	819
88 5	EWER REPLC - 2016 PROGRAM- 2017 CC	CW	S3	03	-4,021	4,788	0	0	0	767	0	767	0	0	62	0	705	0	C	0	0	0	767
		7 CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	0	0	0	0	-1,250	0	C	0	0	0	-1,250
	Sub-total				19,132	23,684	14,118	1,941	1,941	60,816	0	60,816	0	0	5,718	0	55,098	0	() 0	0	0	60,816
906980 <i>A</i>	SHBRIDGES BAY T.P. YR2006			ſ																			
9 [DEWATERING EQUIPMENT UPGRADES	CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	0	0	100	0	1,148	0	C	0	0	0	1,248
42 E	EWATERING EQUIPMENT UPGRADES 017 SC	CW	S3	03	-1,248	0	0	0	0	-1,248	0	-1,248	0	0	-100	0	-1,148	0	C	0	0	0	-1,248
	Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	() 0	0	0	0
906981 <u>F</u>	IIGHLAND CREEK WWTP UPGRADES																						
1 F	ROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	0	0	0	0	5,828	0	C	0	0	0	5,828
3 E	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,075	120	120	70	0	10,385	0	10,385	0	0	842	0	9,543	0	C	0	0	0	10,385
5 T	RANSFORMERS AND SWITCHGEAR	CW	S2	05	510	500	0	0	0	1,010	0	1,010	0	0	81	0	929	0	C	0	0	0	1,010
		CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0	C	0	0	0	671
8 [DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	9,238	2,525	1,300	0	0	13,063	0	13,063	0	0	0	0	13,063	0	C	0	0	0	13,063
	itySubP itySub	itySubProj No. Sub-project Name 206973 SEWER REPLACEMENT PROGRAM 62 SEWER REPLC - 2015 PROGRAM 71 SEWER REPLC - 2016 PROGRAM 75 FORCEMAIN REPLACEMENT - 2016 78 SEWER REPLC - 2017 PROGRAM 81 SEWER REPLC - 2014 PROGRAM - 2017 82 SEWER REPLC - 2014 PROGRAM - 2017 83 FORCEMAIN REPLACEMENT - METROLINX - 2017 SC 84 2012 SEWER REPLC - 2017 SC 85 EBF REPORT - 2017 SC 86 EBF REPORT - 2017 SC 87 SEWER REPLC - 2016 PROGRAM - 2017 8C 88 SEWER REPLC - 2016 PROGRAM - 2017 8C 89 FORCEMAIN REPLACEMENT - 2016 - 2016 9 DEWATERING EQUIPMENT UPGRADES 42 DEWATERING EQUIPMENT UPGRADES 42 DEWATERING EQUIPMENT UPGRADES 43 BIOSOLIDS TREATMENT UPGRADES 5 TRANSFORMERS AND SWITCHGEAR 7 MECH & ELECTRICAL UPGRADE	itySubProj No. Sub-project Name Ward 206973 SEWER REPLACEMENT PROGRAM 62 SEWER REPLC - 2015 PROGRAM CW 71 SEWER REPLC - 2016 PROGRAM CW 75 FORCEMAIN REPLACEMENT - 2016 CW 78 SEWER REPLC - 2017 PROGRAM CW 81 SEWER REPLC - 2014 PROGRAM CW 82 SEWER REPLC - 2014 PROGRAM - 2017 CW 83 FORCEMAIN REPLACEMENT - METROLINX - CW 84 2012 SEWER REPLC - 2017 SC CW 85 EBF REPORT - 2017 SC CW 86 EBF REPORT - 2017 SC CW 87 SEWER REPLC - 2015 PROGRAM - 2017 CW 88 SEWER REPLC - 2016 PROGRAM - 2017 CW 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW 80 SC CW 81 SEWER REPLC - 2016 PROGRAM - 2017 CW 82 SC CW 83 SEWER REPLC - 2016 PROGRAM - 2017 CW 84 SEWER REPLC - 2016 PROGRAM - 2017 CW 85 SC CW 86 SEWER REPLC - 2016 PROGRAM - 2017 CW 87 SC CW 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW 80 SC CW 81 SEWER REPLC - 2016 PROGRAM - 2017 CW 81 SC CW 82 SUB-total 83 SEWER REPLC - 2016 PROGRAM - 2017 CW 84 SEWER REPLC - 2016 PROGRAM - 2017 CW 85 SC CW 86 SEWER REPLC - 2016 PROGRAM - 2017 CW 87 SC CW 88 SEWER REPLC - 2016 PROGRAM - 2017 CW 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW 80 SC CW 80 SUB-total 80 SEWER REPLC - 2016 PROGRAM - 2017 CW 80 SC CW 81 SEWER REPLC - 2016 PROGRAM - 2017 CW 81 SEWER REPLC - 2016 PROGRAM - 2017 CW 82 SC CW 83 SEWER REPLC - 2016 PROGRAM - 2017 CW 84 CW 85 SEWER REPLC - 2016 PROGRAM - 2017 CW 86 SC CW 87 SEWER REPLC - 2016 PROGRAM - 2017 CW 87 SEWER REPLC - 2016 PROGRAM - 2017 CW 88 SEWER REPLC - 2016 PROGRAM - 2017 CW 80 SC CW 81 SEWER REPLC - 2017 SC CW 81 SEWER REPLC - 2017 SC CW 81 SEWER REPLC - 2017 SC CW 82 SEWER REPLC - 2017 SC CW 84 CW 85 SEWER REPLC - 2017 SC CW 86 SEWER REPLC - 2017 SC CW 86 SEWER REPLC - 2017 SC CW 87 SEWER REPLC - 2017 SC CW 88 SEWER REPLC - 2017 SC CW 88 SEWER REPLC - 2017 SC CW 89 FORCEMAIN REPLACEMENT - 2017 SC CW 80 SC CW 80 SEWER REPLC - 2017 SC CW 80 SC CW 81 SEWER REPLC - 2017 SC CW 81 SEWER RE	itySubProj No. Sub-project Name Ward Stat. 06973 SEWER REPLACEMENT PROGRAM CW \$2 62 SEWER REPLC - 2015 PROGRAM CW \$2 71 SEWER REPLC - 2016 PROGRAM CW \$2 75 FORCEMAIN REPLACEMENT - 2016 CW \$2 78 SEWER REPLC - 2017 PROGRAM CW \$4 81 SEWER REPLC - 2017 PROGRAM - 2017 CW \$3 82 SEWER REPLACEMENT - METROLINX - CW \$3 S3 83 FORCEMAIN REPLACEMENT - METROLINX - CW \$3 S3 84 2012 SEWER REPLC - 2017 SC CW \$3 CW \$3 85 EBF REPORT - 2017 SC CW \$3 CW \$3 86 EBF REPORT - 2017 SC CW \$3 CW \$3 87 SEWER REPLC - 2015 PROGRAM - 2017 CW \$3 CW \$3 88 SEWER REPLC - 2016 PROGRAM - 2017 CW \$3 CW \$3 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW \$3 CW \$3 806980 ASHBRIDGES BAY T.P. YR2006 DEWATERING EQUIPMENT UPGRADES CW \$2 42 DEWATERING EQUIPMENT UPGRADES CW \$2 S3 206981 HIGHLAND CREEK WWTP UPGRADES CW \$2 3 BIOSOLIDS TREATMENT UPGRADES CW \$2 3 BIOSOLIDS TREATMENT UPGRADE CW \$2 7 MECH & ELECTRICAL UPGRADE CW \$2 7 MECH & ELECTRICAL UPGRADE CW \$2	itySubProj No. Sub-project Name Ward Stat. Cat. 206973 SEWER REPLACEMENT PROGRAM CW \$2 03 62 SEWER REPLC - 2015 PROGRAM CW \$2 03 71 SEWER REPLC - 2016 PROGRAM CW \$2 03 75 FORCEMAIN REPLACEMENT - 2016 CW \$2 03 78 SEWER REPLC - 2017 PROGRAM CW \$4 03 81 SEWER REPLC - 2014 PROGRAM - 2017 CW \$3 03 82 SEWER REPLC - 2014 PROGRAM - 2017 CW \$3 03 84 2012 SEWER REPLC - 2017 SC CW \$3 03 85 EBF REPORT - 2017 SC CW \$3 04 86 EBF REPORT - 2017 SC CW \$3 04 87 SEWER REPLC - 2015 PROGRAM - 2017 CW \$3 03 88 SEWER REPLC - 2016 PROGRAM - 2017 CW \$3 03 89 FORCEMAIN REPLACEMENT - 2016 - 2017 CW \$3 03	##SubProj No. Sub-project Name Ward Stat. Cat. 2017	E Project No. Project Name itySubProj No. Sub-project Name Ward Stat. Cat. 2017 2018 108973 SEWER REPLACEMENT PROGRAM CW S2 03 1,511 182 11 SEWER REPLACEMENT PROGRAM CW S2 03 10,222 4,610 12 SEWER REPLACEMENT - 2016 CW S2 03 10,222 4,610 15 FORCEMAIN REPLACEMENT - 2016 CW S2 03 3,475 10,000 16 SEWER REPLACEMENT - 2016 CW S2 03 3,475 10,000 17 SEWER REPLACEMENT - 2016 CW S3 03 4,898 2,047 18 SEWER REPLACEMENT - METROLINX - CW S3 03 -607 335 18 SEWER REPLACEMENT - METROLINX - CW S3 03 -1,759 -1,708 18 SEWER REPLACEMENT - METROLINX - CW S3 03 -5 25 18 2012 SEWER REPLACEMENT - 2017 SC CW S3 03 -393 100 18 EBF REPORT - 2017 SC CW S3 04 4,442 0 18 SEWER REPLACEMENT - 2017 SC CW S3 04 4,442 0 18 SEWER REPLACEMENT - 2017 CW S3 03 314 505 18 SEWER REPLACEMENT - 2016 PROGRAM - 2017 CW S3 03 3,100 900 18 SEWER REPLACEMENT - 2016 PROGRAM - 2017 CW S3 03 3,100 900 19 SC Sub-total 500 500 19 DEWATERING EQUIPMENT UPGRADES CW S2 03 1,248 0 10 DEWATERING EQUIPMENT UPGRADES CW S2 04 2,970 720 10 DEWATERING EQUIPMENT UPGRADES CW S2 03 10,075 120 10 SC SUB-STREATMENT UPGRADES CW S2 03 10,075 120 15 TRANSFORMERS AND SWITCHGEAR CW S2 05 510 500 17 MECH & ELECTRICAL UPGRADE CW S2 03 671 0	EPTOIGET NO. Project Name itySubProj No. Sub-project Name ward Stat. Cat. 2017 2018 2019 201	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020	Project No. Project Name Ward Stat. Cat.	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 2018 2019 2020 2021 2017-2021 2018 2019 2020 2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 2017-2021 2017-2021 2017-2021 2017-2021 2017-2021 2018 2019 2020 2021 2017-2021 20	NySupPro No. Sub-pro ect Name	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2026 2017	Project Name Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2020 2022-2026 2022-2026 2022-	Project No. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 2017-2020 2022-2020 2022-2020 2022-2	Project No. Project Name Ward Stat. Cat 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 2020 2022 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2020 2017 2020 2	Project No. Project Name Ward Start Cat 2017 2018 2019 2020 2021 2010 2010 2010 2010 2017 2017 201	Project No. Project Name Ward Start Cat Support No. Sub-project Name Support No. Sub-project Name Ward Start Cat Support No. Sub-project Name Ward Start Cat Support No. Sub-project Name Ward Start Cat Support No. Sub-project Name Support Na	Project No. Project Name Ward Start Cat 2017 2018 2019 2020 2021 2019 2020 2021 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 2018 2019 2020 2021 2017 2020 2022 2021 2017 2020 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 2022 2021 20222 20222 20222 20222 20222 20222 2022	Professional No. Professiona	Project Name Proj	Property Property	Property Property

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Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	ow Comm	itments F	inanced	Ву		
Sub Prio		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat	Cat	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and	Federal	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovers	able	Total Financing
		HIGHLAND CREEK WWTP UPGRADES	vvaiu	Stat.	Cat.	2017	2010	2010	2020	2021	2017-2021	2022 2020	2017-2020	Subsidies	Oubsidy	Chargos				Other	Otherz	Debt	1	inancing
0		ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	O	C	0	0	10,207	0	0	0	0	0	10,207
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	390	0	0	0	0	390	0	390	0	C	0	0	390	0	0	0	0	0	390
0	32	CEPA COMPLIANCE - CL NOTICE - HCTF	P CW	S2	02	998	1,500	0	0	0	2,498	0	2,498	0	C	0	0	2,498	0	0	0	0	0	2,498
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	250	124	81	85	0	540	0	540	0	C	0	0	540	0	0	0	0	0	540
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	245	0	0	0	0	245	0	245	0	C	0	0	245	0	0	0	0	0	245
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S2	03	1,240	0	0	0	0	1,240	0	1,240	0	C	0	0	1,240	0	0	0	0	0	1,240
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	5,851	4,656	1,400	0	0	11,907	0	11,907	0	C	0	0	11,907	0	0	0	0	0	11,907
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	10,090	12,000	12,000	10,900	10,000	54,990	0	54,990	0	C	0	0	54,990	0	0	0	0	0	54,990
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	8,100	6,500	8,600	3,700	3,100	30,000	18,680	48,680	0	C	0	0	48,680	0	0	0	0	0	48,680
0	123	COMMUNICATION SYSTEM	CW	S2	04	400	650	1,900	400	50	3,400	0	3,400	0	C	0	0	3,400	0	0	0	0	0	3,400
0	124	BIOSOLIDS TREATMENT UPGRADES -2017 SC	CW	S3	03	-4,575	3,567	-99	-70	0	-1,177	0	-1,177	0	· C	-97	0	-1,080	0	0	0	0	0	-1,177
0	125	TRANSFORMERS AND SWITCHGEAR-2017 SC	CW	S3	05	-500	-310	800	500	0	490	0	490	0	· C	39	0	451	0	0	0	0	0	490
0	126	ELEC SYSTEM UPGRADES - CONSTR-2017 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	0	C	0	0	-350	0	0	0	0	0	-350
0	127	CEPA COMPLIANCE - CL NOTICE - HCTP-2017 SC	CW	S3	02	-498	-200	4,000	1,300	550	5,152	50	5,202	0	C	0	0	5,202	0	0	0	0	0	5,202
0	128	DIGESTER GAS SYSTEM UPGRADES-2017 SC	CW	S3	03	-4,138	2,552	3,700	5,500	0	7,614	0	7,614	0	C	0	0	7,614	0	0	0	0	0	7,614
0	129	LIQUID TRAIN - ENGINEERING-2017 SC	CW	S3	03	-6,000	-4,200	100	0	0	-10,100	11,800	1,700	0	C	0	0	1,700	0	0	0	0	0	1,700
0	130	LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	CW	S3	03	-5,001	500	1,600	2,000	900	-1	0	-1	0	C	0	0	-1	0	0	0	0	0	-1
0	131	AERATION SYSTEM&ASSOCIATED BLD UPGRADES -2017 SC	G CW	S3	04	-8,090	2,000	2,000	2,000	2,100	10	0	10	0	C	0	0	10	0	0	0	0	0	10
0	132	PROCESS & FACILITY UPGRADE- 2017 SC	CW	S3	04	-1,912	1,426	400	209	512	635	0	635	0	C	0	0	635	0	0	0	0	0	635
0	133	MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	CW	S3	03	-357	120	0	0	0	-237	0	-237	0	C	0	0	-237	0	0	0	0	0	-237
0	134	ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	03	-634	173	-2,430	-1,210	0	-4,101	0	-4,101	0	C	0	0	-4,101	0	0	0	0	0	-4,101
0	135	DIGESTER CLEANING REHAB IMPROVEMENTS #4-7- 2017 SC	CW	S3	03	0	-30	39	-39	15	-15	14	-1	0	C	0	0	-1	0	0	0	0	0	-1
0	136	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 SC	CW	S3	03	-195	100	100	0	0	5	0	5	0	C	0	0	5	0	0	0	0	0	5
0	137	PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	CW	S3	03	-1,240	0	0	0	0	-1,240	0	-1,240	0	C	0	0	-1,240	0	0	0	0	0	-1,240

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

					ĺ		Curre	nt and Fu	ture Year	Cash Flo	w Commitm	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	tments I	inanced	Ву		
	ritySul	oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Red	Debt - coverable	Financing
<u>WAS</u> 0	906981 138	HIGHLAND CREEK WWTP UPGRADES COMMUNICATION SYSTEM- 2017 SC	CW	S3	04	-300	-475	-1,425	1,100	1,200	100	50	150	С	0	0	0	150	0	C) 0	0	(150
		Sub-total				18,355	35,168	42,031	28,503	19,067	143,124	30,629	173,753	0	0	865	0	172,888	0	C) C	0	. 1	173,753
WAS	906982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	451	0	0	0	0	451	0	451	С	0	0	0	451	0	C	0	0	(451
0	5	FLOOD PROTECTION	CW	S2	02	180	0	0	0	0	180	0	180	C	0	0	0	180	0	C	0	0	(180
0	6	NEW SUBSTATION	CW	S2	03	42	5	0	0	0	47	0	47	c	0	0	0	47	0	C	0	0	(47
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,885	2,200	1,100	23	23	6,231	0	6,231	C	0	0	0	6,231	0	C	0	0	(6,231
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	670	410	160	25	25	1,290	0	1,290	c	0	0	0	1,290	0	C	0	0	(1,290
0	52	HVAC UPGRADES	CW	S2	03	7,390	667	17	0	0	8,074	0	8,074	c	0	0	0	8,074	0	C	0	0	(8,074
0	81	BLOWER REPLACEMENT	CW	S2	03	475	0	100	200	750	1,525	17,350	18,875	С	0	0	0	18,875	0	C	0	0	C	18,875
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,509	0	0	0	0	1,509	0	1,509	C	0	0	0	1,509	0	C	0	0	(1,509
0	99	WET WEATHER FLOW	CW	S2	04	2,315	1,450	1,000	0	0	4,765	0	4,765	c	0	0	0	4,765	0	C	0	0	(4,765
0	101	FLOOD PROTECTION-2017 SC	CW	S3	02	20	0	0	0	0	20	0	20	С	0	0	0	20	0	C	0	0	(20
0	102	HVAC UPGRADES-2017 SC	CW	S3	03	-2,598	3,483	2,133	17	17	3,052	0	3,052	c	0	0	0	3,052	0	C	0	0	(3,052
0	103	BLOWER REPLACEMENT-2017 SC	CW	S3	03	-225	250	0	0	0	25	0	25	c	0	0	0	25	0	C	0	0	(25
0	104	REPLACEMENT OF WASTE GAS BURNERS-2017 SC	CW	S3	03	-1,159	1,800	4,500	2,700	50	7,891	50	7,941	c	0	0	0	7,941	0	C	0	0	(7,941
0	105	WET WEATHER FLOW-2017 SC	CW	S3	04	-1,715	250	500	1,000	0	35	0	35	c	0	0	0	35	0	C	0	0	(35
0	107	MESI UPGRADES	CW	S4	03	500	500	500	500	500	2,500	0	2,500	С	0	0	0	2,500	0	C	0	0	C	2,500
0	108	BUILDING UPGRADES ENGINEERING- 2017 SC	CW	S3	03	30	100	0	0	0	130	0	130	С	0	0	0	130	0	C	0	0	(130
0	109	CHLORINE FACILITY UPGRADE- 2017 S	c cw	S3	01	-390	638	0	0	0	248	0	248	c	0	0	0	248	0	C	0	0	(248
0	110	ELECTRICAL CONDITION ASSESSMENT RECOM- 2017 SC	CW	S3	01	-1,232	275	1,610	0	0	653	0	653	С	0	0	0	653	0	C	0	0	(653
0	111	NEW SUBSTATION- 2017 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	c	0	0	0	-4	0	C	0	0	(-4
0	112	NEW GROUNDSKEEPING BUILDING- 2017 SC	CW	S3	01	17	0	0	0	0	17	0	17	С	0	0	0	17	0	C	0	0	C	17
0	113	ADMIN BUILDING EXPANSION - ENGINEERING- 2017 SC	CW	S3	04	-387	90	445	475	418	1,041	20	1,061	C	0	0	0	1,061	0	C	0	0	C	1,061

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Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

					1		_						1	1								_		
							Curre	ent and Fu	iture Year	Cash Flov	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Commit	nents F	inanced	Ву		
	Project N	o. Project Name No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
		BER WWTP UPGRADES												Guboidioo										
0 11	4 FIEL	O OFFICE- 2017 SC	CW	S3	03	322	0	0	0	0	322	0	322	0	C	0	0	322	0	0	0	0	0	322
0 11	6 SER	/ICE REHAB AND UPGRADES	CW	S4	03	500	1,000	500	8,250	8,250	18,500	8,000	26,500	0	C	0	0	26,500	0	0	0	0	0	26,500
		Sub-total				9,596	13,118	12,565	13,190	10,033	58,502	25,420	83,922	0	C	0	0	83,922	0	0	0	0	0	83,922
WAS906	994 HIGH	ILAND CREEK WWTP - SOLIDS & G	SAS HA																					
0 1		ILAND CREEK WWTP - BMP EMENTATION	CW	S2	04	3,029	4,340	1,600	655	2,000	11,624	500	12,124	0	C	976	0	11,148	0	0	0	0	0	12,124
0 3	WAS	THICKENING - CONSTR	CW	S2	03	102	0	0	0	0	102	0	102	0	C	8	0	94	0	0	0	0	0	102
0 17	WAS	THICKENING - CONSTR-2017 SC	CW	S3	03	-52	504	0	0	0	452	0	452	0	C	37	0	415	0	0	0	0	0	452
0 18	нсті	P BMP IMPLEMENTATION-2017 SC	CW	S3	04	-2,929	-1,840	900	1,845	200	-1,824	5,100	3,276	0	C	263	0	3,013	0	0	0	0	0	3,276
		Sub-total				150	3,004	2,500	2,500	2,200	10,354	5,600	15,954	0	C	1,284	0	14,670	0	0	0	0	0	15,954
WAS907	038 Land	Acquisition for Source Water Protect			Ī																			
0 14	TRC/ TRAI	A - SCARBOROUGH WATERFRONT LEA	- CW	S2	04	85	0	0	0	0	85	0	85	0	C	7	0	78	0	0	0	0	0	85
0 25	TRC/ WES	A - SCARBOROUGH WATERFRONT T EA	CW	S2	04	1,385	400	0	0	0	1,785	0	1,785	0	C	47	0	1,738	0	0	0	0	0	1,785
0 27	TRC/ SC	A - CRITICAL EROSION SITES-2017	CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	0	C	644	0	7,356	0	0	0	0	0	8,000
0 28		A - SCARBOROUGH WATERFRONT T EA - 2017 SC	CW	S3	04	-385	600	350	0	0	565	0	565	0	C	141	0	424	0	0	0	0	0	565
		Sub-total				9,085	1,000	350	0	0	10,435	0	10,435	0	С	839	0	9,596	0	0	0	0	0	10,435
WAS907	097 ASHI	BRIDGES BAY WWTP - BUILDING S	SERVIC .		İ																			
0 7		TROLLED SUBSTANCE TIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	C	0	0	100	0	0	0	0	0	100
0 19	BIO (GAS UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	0	C	0	0	4,435	0	0	0	0	0	4,435
0 21		VER BLDG & OLD NORTH STATION IMPROVEMENTS	CW	S2	04	850	1,950	2,455	30	30	5,315	0	5,315	0	C	0	0	5,315	0	0	0	0	0	5,315
0 61		TROLLED SUBSTANCE TIFICATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	0	C	0	0	300	0	0	0	0	0	300
0 62	BIO	GAS UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	0	C	0	0	1,865	0	0	0	0	0	1,865
0 63		VER BLDG OLD NORTH STATION IMPRO - 2017 SC	CW	S3	04	-400	-20	-485	135	180	-590	1,055	465	0	C	0	0	465	0	0	0	0	0	465
0 64	GRO	VE LANDSCAPING - PHASE 1	CW	S4	04	790	1,045	0	0	0	1,835	0	1,835	0	C	0	0	1,835	0	0	0	0	0	1,835
		Sub-total				1,540	4,075	3,070	2,265	2,210	13,160	1,155	14,315	0	C	0	0	14,315	0	0	0	0	0	14,315
WAS907	098 ASHI	BRIDGES BAY WWTP - EFFLUENT S	SYSTE																					

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Gross Expenditures (\$000's) Appendix 4: 2017 Cash Flow and Future Year Commitments

1	· · · · · · · · · · · · · · · · · · ·																						
						Curre	ent and Fu	iture Year	Cash Flor	w Commitm	nents			Cui	rent and Fu	uture Year	Cash Flov	w Commi	itments F	inance	I Ву		
	<u>Project No.</u> <u>Project Name</u> SubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
WAS9070	98 ASHBRIDGES BAY WWTP - EFFLUE	NT SYSTE																					
0 1	DISINFECTION ENGINEERING	CW	S2	02	4,184	6,200	960	167	123	11,634	0	11,634	0	0	936	0	10,698	0	0	(0	0	11,634
0 13	OUTFALL ASSESSMENT	CW	S2	02	940	0	0	0	0	940	0	940	О	0	94	0	846	0	0	(0	0	940
0 14	OUTFALL ENGINEERING	CW	S2	02	8,710	4,500	5,000	5,000	5,000	28,210	6,929	35,139	0	0	2,827	0	32,312	0	0	(0	0	35,139
0 15	DISINFECTION SYSTEM CONSTRUC	TION CW	S4	02	100	75,000	90,000	64,900	0	230,000	0	230,000	0	0	18,510	0	211,490	0	0	(0	0	230,000
0 28	DISINFECTION ENGINEERING-2017	sc cw	S3	02	-3,174	200	1,537	1,440	-48	-45	75	30	0	0	2	0	28	0	0		0	0	30
0 29	OUTFALL ASSESSMENT - 2017 SC	CW	S3	02	-940	0	0	0	0	-940	0	-940	0	0	-94	0	-846	0	0		0	0	-940
0 30	OUTFALL ENGINEERING- 2017 SC	CW	S3	02	-4,810	175	-620	-1,600	-1,600	-8,455	2,906	-5,549	0	0	-446	0	-5,103	0	0		0	0	-5,549
0 31	OUTFALL - SITE PREP	CW	S4	02	50	450	0	0	0	500	0	500	0	0	40	0	460	0	0		0	0	500
	Sub-total				5,060	86,525	96,877	69,907	3,475	261,844	9,910	271,754	0	0	21,869	0	249,885	0	0	(0	0	271,754
WAS9070	99 ASHBRIDGES BAY WWTP - LIQUID T	REATMEN																					
0 1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	510	0	0	0	0	510	0	510	0	0	42	0	468	0	0		0	0	510
0 3	P BLDG HEADWORKS UPGRADE	CW	S2	03	40,035	6,828	0	0	0	46,863	0	46,863	0	0	3,772	0	43,091	0	0		0	0	46,863
0 6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,399	0	0	0	0	5,399	0	5,399	О	0	0	0	5,399	0	0	(0	0	5,399
0 10	INTEGRATED PUMPING STATION (IPENGINEERING	S) - CW	S2	03	6,740	8,000	8,000	8,000	7,500	38,240	12,250	50,490	0	0	0	0	50,490	0	0	(0	0	50,490
0 12	WORK AREA 1 REHAB	CW	S2	03	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	(0	0	3
0 39	INTEGRATED PUMPING STATION (IP CONSTRUCTION	S) - CW	S2	03	0	10,000	45,000	45,000	50,000	150,000	175,000	325,000	0	0	0	0	325,000	0	0	(0	0	325,000
0 71	INTEGRATED PUMPING STATION (IPENG-2017 SC	S) - CW	S3	03	-1,310	-1,371	-765	-3,290	-1,521	-8,257	7,134	-1,123	o	0	0	0	-1,123	0	0	(0	0	-1,123
0 72	P BLDG HEADWORKS UPGRADE-20 SC	17 CW	S3	03	-25,010	10,271	17,074	0	0	2,335	0	2,335	0	0	187	0	2,148	0	0	(0	0	2,335
0 73	INTEGRATED PUMPING STATION (IP CONST-2017 SC	S) - CW	S3	03	250	-6,850	-30,000	-18,642	-3,000	-58,242	112,875	54,633	0	0	0	0	54,633	0	0	(0	0	54,633
0 74	FINE BUBBLE AERATION - TANK #2 - SC	2017 CW	S3	03	-500	540	0	0	0	40	0	40	0	0	2	0	38	0	0	(0	0	40
0 75	WORK AREA 1 REHAB- 2017 SC	CW	S3	03	-3	10	0	0	0	7	0	7	0	0	0	0	7	0	0	(0	0	7
0 76	M & T PUMPING STATION CRITICAL REPAIRS- 2017 SC	CW	S3	03	-2,221	3,178	0	0	0	957	0	957	0	0	0	0	957	0	0	(0	0	957
0 77	FINE BUBBLE AERATION - ENGINEE	RING CW	S4	03	50	1,500	3,000	3,000	3,000	10,550	7,650	18,200	0	0	1,468	0	16,732	0	0	(0	0	18,200
	Sub-total				23,943	32,106	42,309	34,068	55,979	188,405	314,909	503,314	0	0	5,471	0	497,843	0	0	· (0	0	503,314
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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

Append	dix 4: 2017 Cash Flow and Fu	ture Ye	ar Co	ommitme	nts																	
Wastew	ater Program]																		
					Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	ow Comm	nitments l	Finance	d By		
	oject No. Project Name ubProj No. Sub-project Name	Ward Sta	t. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2	Re	Debt - coverable	Total Financing
-	0 ASHBRIDGES BAY WWTP - SOLIDS & GA											Cubsidies										
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW S2	2 03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	(981	0	11,213	. () () () () (12,194
0 4	DIGESTERS 9-12 REFURBISH	CW S2	2 03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	(2,901	0	33,165	() () () () (36,066
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW S2	2 03	400	0	0	0	0	400	0	400	0		0	0	400	() () () () (400
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW S4	03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	(12,071	0	137,929	() () () () (150,000
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW S2	2 03	967	500	1,000	0	0	2,467	0	2,467	0	(0	0	2,467	. () () () () (2,467
0 45	BIOSOLIDS PELLETIZER RETROFIT-2017 SC	7 CW S3	3 03	0	400	400	0	0	800	0	800	0		0	0	800	() () () () (800
0 46	DIGESTERS 9-12 REFURBISH - 2017 SC	CW S3	3 03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0		335	0	3,813	() () () () (4,148
0 47	WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	CW S3	3 03	-1,843	413	0	0	1,000	-430	400	-30	0	() -3	0	-27	() () () () (-30
0 48	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2017 SC	CW S3	3 03	-480	200	290	0	0	10	0	10	0	(0	0	10	() () () () (10
1	Sub-total			7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0	C	16,285	0	189,770	() () (0	0 (206,055
WAS90710	11 ASHBRIDGES BAY WWTP - O&M UPGRAI	DES																				
0 5	BOILER #4 DESIGN	CW S2	2 03	47	6	0	0	0	53	0	53	0		0	0	53	() () () () (53
0 6	MESI UPGRADES	CW S2	2 03	3,448	3,074	3,167	0	0	9,689	0	9,689	0	(0	0	9,689	() () () () (9,689
0 7	MISC MECH REHAB	CW S2	2 03	8,120	1,900	0	0	0	10,020	0	10,020	0	(0	0	10,020	() () () () (10,020
0 32	MISC MECH REHAB- 2017 SC	CW S3	3 03	-3,120	3,196	0	0	0	76	0	76	0	(0	0	76	() () () () (76
0 33	BOILER #4 DESIGN- 2017 SC	CW S3	3 03	63	5	6	0	0	74	0	74	0	(0	0	74	. () () () () (74
0 34	MESI UPGRADES- 2017 SC	CW S3	3 03	-463	0	0	0	0	-463	0	-463	0	(0	0	-463	() () () () (-463
	Sub-total			8,095	8,181	3,173	0	0	19,449	0	19,449	0	(0	0	19,449	() () (0	0 (19,449
WAS90710	2 ASHBRIDGES BAY WWTP - ODOUR CON	TROL																				
0 6	BIOFILTERS UPGRADE & REPLACEMENT	r CW S2	2 03	10,098	122	0	0	0	10,220	0	10,220	0	(823	0	9,397	. () () () () (10,220
0 13	D BUILDING TREATMENT & BIOFILTER	CW S2	2 03	992	0	0	0	0	992	0	992	0	(0 80	0	912	() () () () (992
0 38	D BUILDING TREATMENT & BIOFILTER- 2017 SC	CW S3	3 03	-98	110	0	0	0	12	0	12	0	() 1	0	11	() () () () C	12
0 39	BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	CW S3	3 03	-3,598	2,815	100	0	0	-683	0	-683	0	(-56	0	-627	. () () () () (-683
1	Sub-total			7,394	3,047	100	0	0	10,541	0	10,541	0	(848	0	9,693	. () () (0	0 (10,541
WAS90710	4 HUMBER WWTP - LIQUID TREATMENT &	HANI																				

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Appendix 4: 2017 Cash Flow and Future Year Commitments

4				í																			
1					1	Curre	ent and Fu	ıture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	ow Comm	itments I	inanced	Ву		
	oject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		ebt - verable	Total Financing
WAS90710-	4 HUMBER WWTP - LIQUID TREATMENT 8	HAN																					
0 2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	3,811	3,350	3,332	3,250	2,193	15,936	544	16,480	С	0	1,328	0	15,152	. 0) (0	0	0	16,480
0 19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03	45,000	45,000	45,000	45,000	45,000	225,000	0	225,000	С	0	18,115	0	206,885	0) C	0	0	0	225,000
0 24	SECONDARY TREATMENT UPGRADES - SOUTH-CONS-2017 SC	CW	S3	03	-11,500	-11,500	-16,500	-16,500	-25,997	-81,997	15,000	-66,997	С	0	-5,390	0	-61,607	. 0) C	0	0	0	-66,997
0 25	SECONDARY TREATMENT UPGRADES - SOUTH - ENG 2017 SC	CW	S3	03	1,069	1,910	1,418	1,555	3,000	8,952	300	9,252	C	0	740	0	8,512	. 0) C	0	0	0	9,252
	Sub-total				38,380	38,760	33,250	33,305	24,196	167,891	15,844	183,735	0	0	14,793	0	168,942	. 0) C	0	0	0	183,735
WAS90710	5 HUMBER WWTP - O&M UPGRADES			İ																			
0 1	GAS COMPRESSOR SYSTEM UPGRADE	s cw	S2	03	3,723	0	0	0	0	3,723	0	3,723	С	0	0	0	3,723	0) C	0	0	0	3,723
0 2	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	С	0	25	0	291	0) C	0	0	0	316
0 31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	С	0	0	0	343	0) C	0	0	0	343
0 32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	С	0	-25	0	-291	0) C	0	0	0	-316
	Sub-total				3,942	60	64	0	0	4,066	0	4,066	0	0	0	0	4,066	0) C) 0	0	0	4,066
WAS90710	6 HUMBER WWTP - ODOUR CONTROL																						
0 1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	8,632	0	0	0	0	8,632	0	8,632	C	0	694	0	7,938	0) C	0	0	0	8,632
0 13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	С	0	341	0	3,892	0) C	0	0	0	4,233
	Sub-total				6,255	6,610	0	0	0	12,865	0	12,865	0	0	1,035	0	11,830	0) C) 0	0	0	12,865
WAS90722	4 SEWAGE PUMPING STATION UPGRADE	<u>s</u>																					
0 1	SPS UPGRADES	CW	S2	02	2,593	0	0	0	0	2,593	0	2,593	С	0	209	0	2,384	. 0) C	0	0	0	2,593
0 18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	С	0	1,842	0	21,029	0) C	0	0	0	22,871
0 29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	С	0	442	0	5,065	0) C	0	0	0	5,507
0 30	SUNNYSIDE SPS REHAB- 2017 SC	CW	S3	03	688	0	0	0	0	688	0	688	С	0	55	0	633	0) C	0	0	0	688
0 31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	С	0	27	0	340	0) C	0	0	0	367
1	Sub-total				3,378	5,110	4,394	6,250	5,356	24,488	7,538	32,026	0	0	2,575	0	29,451	0) C) 0	0	0	32,026
WAS90755	9 DON & WATERFRONT TRUNK CSO																						
0 1	DON & WATERFRONT TRUNK/CSO PKG - DESIGN	1 CW	S2	04	7,933	5,338	5,180	5,180	5,180	28,811	11,436	40,247	С	0	3,239	0	37,008	0) C	0	0	0	40,247
0 16	Don&Waterfront Trunk/CSO Design 2017 SC	CW	S3	04	-3,733	1,770	3,874	1,295	1,295	4,501	-3,885	616	С) 0	49	0	567	. 0) C	0	0	0	616

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Gross Expenditures (\$000's)
Appendix 4: 2017 Cash Flow and Future Year Commitments

		Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	De Recov Debt		Total Financing
WAS907559 DON & WATERFRONT TRUNK CSO																			
0 17 DCW - PH1 - OFFLINE STORAGE TANK CW S4 04 SHEPPARD/LESLIE	200	500	700	10,400	2,700	14,500	100	14,600	((1,174	0	13,426	0	0	0	0	0	14,600
Sub-total	4,400	7,608	9,754	16,875	9,175	47,812	7,651	55,463	0	(4,462	0	51,001	0	0	0	0	0	55,463
WAS907700 NORTH TORONTO WTP UPGRADES																			
0 2 NTTP - ELECTRICAL UPGRADES - ECAR CW S2 01	1,207	2,295	1,100	0	0	4,602	0	4,602	C	(0 0	0	4,602	0	0	0	0	0	4,602
0 10 OPS INTERFACE NTTP CW S4 04	200	300	0	0	0	500	0	500	C	(0 0	0	500	0	0	0	0	0	500
0 11 NTTP - PROCESS IMPROVEMENTS CW S4 04	420	4,400	4,000	1,340	50	10,210	0	10,210	C	(0 0	0	10,210	0	0	0	0	0	10,210
0 12 NTTP - ELECTRICAL UPGRADES - ECAR- CW S3 01 2017 SC	-886	-581	1,624	1,198	0	1,355	0	1,355	C	(0	0	1,355	0	0	0	0	0	1,355
Sub-total	941	6,414	6,724	2,538	50	16,667	0	16,667	0	(0 0	0	16,667	0	0	0	0	0	16,667
WAS908143 Georgetown South City Infrastructure Upgrades																			
0 1 GEORGETOWN SOUTH CITY CW S2 05 INFRASTRUCTURE UPGRADES	6,189	5,680	5,680	0	0	17,549	0	17,549	((0	0	17,549	0	0	0	0	0	17,549
0 7 GEORGETOWN SOUTH CITY CW S3 05 INFRASTRUCTURE - 2017 SC	-509	0	0	0	0	-509	0	-509	C	(0	0	-509	0	0	0	0	0	-509
Sub-total	5,680	5,680	5,680	0	0	17,040	0	17,040	0	(0 0	0	17,040	0	0	0	0	0	17,040
WASWP003 EMERY CREEK POND																			
0 1 EMERY CREEK POND CW S2 04	5,793	50	0	0	0	5,843	0	5,843	C	(470	0	5,373	0	0	0	0	0	5,843
0 15 EMERY CREEK POND- 2017 SC CW S3 04	-820	0	50	50	0	-720	0	-720	C	(58 -58	0	-662	0	0	0	0	0	-720
Sub-total	4,973	50	50	50	0	5,123	0	5,123	0	() 412	0	4,711	0	0	0	0	0	5,123
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION																			
0 78 EQUIPMENT REPLACEMENT CW S2 03	5,580	4,558	3,652	0	0	13,790	0	13,790	C	(0	0	13,790	0	0	0	0	0	13,790
0 117 REHAB OF SOUTH PRIMARY CLARIFIERS CW S2 03	124	0	0	0	0	124	0	124	C	(0	0	124	0	0	0	0	0	124
0 132 EQUIPMENT REPLACEMENT-2017 SC CW S3 03	-2,514	3,409	2,150	4,000	0	7,045	0	7,045	C	(0	0	7,045	0	0	0	0	0	7,045
0 133 REHAB OF SOUTH PRIMARY CW S3 03 CLARIFIERS- 2017 SC	-124	0	0	0	0	-124	0	-124	C	(0	0	-124	0	0	0	0	0	-124
Sub-total	3,066	7,967	5,802	4,000	0	20,835	0	20,835	0	(0	0	20,835	0	0	0	0	0	20,835
Total Program Expenditure	466,912	661,006	635,986	525,390	406,467	2,695,761	1,269,374	3,965,135	0	(111,343	0	3,853,792	0	0	0	0	0	3,965,135

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Report 7Ca

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

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2017 Cash Flow and Future Year Commitments

Wastewater Program																				
		C	urrent and	Future Ye	ar Cash F	low Comn	nitments ar	d Estimate	s		Curre	nt and Future	Year Casl	h Flow C	ommitme	nts and I	Estimates	s Financ	ed By	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name Ward	Stat. Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal I Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - ecoverable	Total Financing
Financed By: Development Charges		19,058	28,196	25,583	19,066	7,505	99,408	11,935	111,343	0	C	111,343	0	0	0	(0		0 0	111,343
Reserve Funds (Ind."XR" Ref.)		447,854	632,810	610,403	506,324	398,962	2,596,353	1,257,439	3,853,792	0	C	0	03	,853,792	0	(0		0 0	3,853,792
Total Program Financing		466,912	661,006	635,986	525,390	406,467	2,695,761	1,269,374	3,965,135	0	C	111,343	03	,853,792	0	C	0	1 1	0 0	3,965,135

Status Code Description S2

S2 Prior Year (With 2017 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2017 and\or Future Year Cost\Cashflow) S4

S4 New - Stand-Alone Project (Current Year Only)

S5 New (On-going or Phased Projects)

Category Code Description

S5

04

01 Health and Safety C01

Legislated C02 03

State of Good Repair C03

Service Improvement and Enhancement C04

Growth Related C05 Reserved Category 1 C06

06 07 Reserved Category 2 C07

Appendix 5

2017 Capital Budget with Financing Detail

Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Water Program Sub-Project Summary

Project/	Financing		2017					Financ	ing				
Priority	•	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 WA	AT000004 HORGAN W.T.P. EXPANSION												
0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004 12/31/2017	7 24	0	0	8	0	8	0	0	8	1	0 0
0	38 PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017	SC 01/01/201712/31/2018	51	0	0	16	0	19	0	0	16	,	0 0
		Project Sub-total:	75	0	0	24	0	27	0	0	24		0 0
0 WA	AT000014 WATER STORAGE EXPANSION												
0	1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN	01/01/2007 12/31/2017	7 18	0	0	11	0	7	0	0	0		0 0
0	2 Milliken PS and Reservoir - Engineering	01/01/2007 12/31/2017	50	0	0	21	0	10	0	0	19		0 0
0	53 DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017	SC 01/01/2017 12/31/2017	7 -17	0	0	-10	0	-7	0	0	0	(0 0
		Project Sub-total:	51	0	0	22	0	10	0	0	19	-	0 0
0 WA	AT000018 CLARK RESIDUE MGMT. FACILITIES												
	24 RESIDUALS RETROFITS AND UPGRADES	01/01/201312/31/2018	1,036	0	0	0	0	1,036	0	0	0		0 0
0	29 RESIDUALS RETROFITS AND UPGRADES-2017 SC	01/01/2017 12/31/2019			0	0	0	-567	0	0	0		0 0
		Project Sub-total:	469	0	0	0	0	469	0	0	0		0 0
0 WA	AT000021 WATER EFFICIENCY PROGRAM	•											
0	10 ICI INDOOR WATER AUDIT	01/01/2005 12/31/2017	300	0	0	300	0	0	0	0	0		0 0
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2005 12/31/2017		0	0	150	0	0	0	0	0		0 0
0	12 ANCILLARY COSTS	01/01/2005 12/31/2017		0	0	70	0	0	0	0	0		0 0
		Project Sub-total:	520		0	520	0	0	0	0			0 0
0 WA	AT000363 ENGINEERING STUDIES	•											
0	2 IMPROVED TREATMENT STUDIES	01/01/2005 12/31/2017	7 296	0	0	0	0	207	0	0	89		0 0
0	18 CONTROLLED SUBSTANCES ID AND ABATEMENT	01/01/2007 12/31/2018		0	0	0	0	200	0	0	0		0 0
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/200812/31/2018		0	0	0	0	105	0	0	0		0 0
0	38 CORROSION CONTROL	01/01/2011 12/31/2017		0	0	0	0	4	0	0	0		0 0
0	65 SCRUBBER AND TONNER CONNECTION IMPROVEME	NTS01/01/201612/31/2020	915	0	0	0	0	915	0	0	0	(0 0
0	72 SCRUBBER&TONNER CONNECTION IMPRO - WTP-201	7 S(01/01/201712/31/2020	-915	0	0	0	0	-915	0	0	0	1	0 0
0	73 CONTROLLED SUBSTANCES ID AND ABATEMENT- 201	7 S(01/01/2017 12/31/2019	-100	0	0	0	0	-100	0	0	0	1	0 0
0	74 ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC	01/01/2017 12/31/2018	3 25	0	0	0	0	25	0	0	0	,	0 0
0	75 IMPROVED TREATMENT STUDIES- 2017 SC	01/01/2017 12/31/2018	-136	0	0	0	0	-95	0	0	-41	,	0 0
		Project Sub-total:	394	0	0	0	0	346	0	0	48	-	0 0
0 WA	AT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
0	9 TRUNK RADIO - SITE UPGRADE	01/01/2015 12/31/2017	400	0	0	0	0	400	0	0	0	1	0 0
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011 12/31/2017	200	0	0	0	0	200	0	0	0	ſ	0 0
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/201312/31/2018	795	0	0	0	0	795	0	0	0	1	0 0

Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Water Program Sub-Project Summary

Project/F	Financing		2017					Financ	cing				
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
<u>0</u> <u>WA</u>	T906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
0	41 SCADA UPGRADES FOR WWT	01/01/201212/31/2022	5,206	0	0	0	0	5,206	0	0	0		0 0
0	42 PCS UPGRADES FOR WATER SUPPLY	01/01/201212/31/2017	492	0	0	0	0	492	0	0	0		0 0
0	67 SCADA UPGRADES FOR WWT - II	01/01/201212/31/2020	2,053	0	0	0	0	2,053	0	0	0		0 0
0	85 NETWORK IMPROVEMENTS	01/01/201612/31/2018	2,246	0	0	0	0	2,246	0	0	0		0 0
0	86 BLANKET CONTRACT MGMT TOOL	01/01/2017 12/31/2018	50	0	0	0	0	50	0	0	0		0 0
0	87 PCS UPGRADES 2017	01/01/2017 12/31/2019	210	0	0	0	0	210	0	0	0		0 0
0	88 TRUNK RADIO - EQUIPMENT	01/01/2017 12/31/2018	500	0	0	0	0	500	0	0	0		0 0
0	90 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-	201701/01/2017 12/31/2017	10	0	0	0	0	10	0	0	0		0 0
0	91 PCS LEGACY ALARM IMPROVEMENT - 2017 SC	01/01/2017 12/31/2019	166	0	0	0	0	166	0	0	0		0 0
0	92 RELIABILITY IMPROVEMENT PROGRAM- 2017 SC	01/01/2017 12/31/2020	-585	0	0	0	0	-585	0	0	0		0 0
0	93 SCADA UPGRADES FOR WWT- 2017 SC	01/01/2017 12/31/2022	-2,651	0	0	0	0	-2,651	0	0	0		0 0
0	94 SCADA UPGRADES FOR WWT - II - 2017 SC	01/01/2017 12/31/2020	-718	0	0	0	0	-718	0	0	0		0 0
0	95 NETWORK IMPROVEMENTS- 2017 SC	01/01/2017 12/31/2018	-1,016	0	0	0	0	-1,016	0	0	0		0 0
0	96 PCS UPGRADES FOR WATER SUPPLY- 2017 SC	01/01/2017 12/31/2017	-12	0	0	0	0	-12	0	0	0		0 0
0	97 SCADA SOFTWARE	01/01/2017 12/31/2021	220	0	0	0	0	220	0	0	0		0 0
		Project Sub-total:	7,566	0	0	0	0	7,566	0	0	0		0 0
0 WA	T906340 METERING & METER READING SYS	j											
0	2 AUTOMATED METER READING SYSTEM	01/01/2005 12/31/2020	8,314	0	0	0	0	8,314	0	0	0		0 0
0	18 AUTOMATED METER READING SYSTEM- 2017 SC	01/01/2017 12/31/2020	-2,940	0	0	0	0	-2,940	0	0	0		0 0
		Project Sub-total:	5,374	0	0	0	0	5,374	0	0	0		0 0
0 WA	T906467 AVENUE ROAD TRUNKMAIN REPLACEMENT												
0	6 JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	01/01/2005 12/31/2017	92	0	0	46	0	29	0	0	17		0 0
0	29 JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 20	17 Si01/01/2017 12/31/2017	10	0	0	5	0	3	0	0	2		0 0
0	30 JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 20		221	0	0	111	0	69	0	0	41		0 0
		Project Sub-total:	323	0	0	162	0	101	0	0	60		0 0
0 WA	T906470 ISLAND W.T.P. R&R	j											
0	8 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	G 01/01/201312/31/2023	723	0	0	0	0	723	0	0	0		0 0
0	11 CHEMICAL & RESIDUALS MANAGEMENT CONST	01/01/2015 12/31/2021	2,000	0	0	122	0	1.878	0	0	0		0 0
0	30 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING		-143	0	0	0	0	-143	0	0	0		0 0
0	31 CHEMICAL & RESIDUALS MANAGMENT CONST-2017 S		9,000	0	0	547	0	8,453	0	0	0		0 0
· ·		Project Sub-total:	11,580	0	0	669	0	10,911	0	0	0		0 0
0 WA	T906481 DISTRICT WATERMAINS - NEW		, -			<u> </u>		•					
0	1 NEW WM	01/01/2005 12/31/2017	515	0	0	515	0	0	0	0	0		0 0
U		01/01/200012/01/2017	313		U	313	0	0	0	U	0		. 0



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/F	inancing		2017					Finan	cing				
Priority I	Project Project Name		npletion Cash F Date	ow Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> <u>WA</u>	T906481 DISTRICT WATERMAINS - NEW												
0	15 NEW WM - 2017 SC	01/01/2017 12/3	31/2018 -5	00 0	0	-500	0	0	0	0	0		0 0
		Project Sub-tot	al:	15 0	0	15	0	0	0	0	0		0 0
0 WA	T906483 PW ENGINEERING			ĺ									
0	2 CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	01/01/2005 12/3	31/2019 3,9	46 0	0	0	0	3,946	0	0	0		0 0
0	5 WATERMAIN ASSET PLANNING	01/01/2007 12/3			0	370	0	525			587		0 (
0	7 EASEMENT ACQUISITION	01/01/2007 12/3		00 0	0	0	0	500		0	0		0 0
0	22 WATER LOSS REDUCTION STRATEGY	01/01/2012 12/3		21 0	0	0	0	621	0	0	0		0 (
0	37 ASSET MGMT SYSTEM IMPLEMENTATION	01/01/2016 12/3	31/2025 1,0	90 0	0	273	0	817	0	0	0		0 (
0	52 JOS UPDATE PHASE II	01/01/2015 12/3	31/2018 1,1	35 0	0	568	0	-1	0	0	568		0 0
0	64 WATERMAIN ASSET PLANNING-2017 SC	01/01/2017 12/3	31/2023 -7	37 0	0	-184	0	-261	0	0	-292		0 0
0	65 ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	01/01/2017 12/3	31/2024 -7	85 0	0	-197	0	-588	0	0	0		0 (
0	66 CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	01/01/2017 12/3	31/2020 -2,0	74 0	0	0	0	-2,074	0	0	0		0 (
0	68 WATER LOSS REDUCTION STRATEGY- 2017 SC	01/01/2017 12/3	31/2021 -2	11 0	0	0	0	-211	0	0	0		0 (
0	69 JOS UPDATE PHASE II- 2017 SC	01/01/2017 12/3	31/2019 -	35 0	0	-68	0	1	0	0	-68		0 (
		Project Sub-tot	al: 4,8	32 0	0	762	0	3,275	0	0	795		0 0
0 WA	T906749 DOWNTOWN W/M ENHANCEMENT	-											
0	1 JOS - GERRARD ST WM - ENGINEERING	01/01/2006 12/3	31/2017	26 0	0	5	0	1	0	0	20		0 0
0	4 JOS - GERRARD ST WM - CONSTRUCTION	01/01/2010 12/3		39 0	0	904	0	163			3,472		0 0
0	45 JOS - GERRARD ST WM - ENGINEERING- 2017 SC	01/01/2017 12/3		12 0	0	-2	0	-1	0		-9		0 0
0	46 JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	01/01/2017 12/3	31/2017 -4,5	39 0	0	-904	0	-163	0	0	-3,472		0 0
-		Project Sub-to	}	14 0	0	3	0	0	0	0	11		0 0
0 WA	T906752 TRANSMISSION R&R	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
0 WA	49 TRUNK WATERMAIN REHAB	01/01/201312/3	1/2019	50 0	0	0	0	250	0	0	0		0 0
0	51 CAST IRON TRUNK REPLC - PHASE 2	01/01/2013 12/3			0	0	0	9.354			0		0 0
0	52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2013 12/3			0	0	0	2,061	0		0		0 (
0	58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION			00 0	0	0	0	5,500			0		0 (
0	74 CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	01/01/2010 12/3		24 0	0	0	0	-724			0		0 (
0	75 TRUNK WATERMAIN REHAB- 2017 SC	01/01/2017 12/3		14 0	0	0	0	114			0		0 (
0	76 CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	01/01/2017 12/3			0	0	0	-1,011	0	0	0		0 0
0	77 CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	01/01/2017 12/3	,		0	0	0	-2,300	_	Ū	0		0 0
v	5.151 11.611 11.611.11.12. 20 11.11.02.0 00.110 2017 00	Project Sub-tot	'	~~	0	0	0				0		0 0
	TORROOD TO ANOMICCION DAD	. Toject Sub-to	13,2	1	<u> </u>	- 0	0	10,244	- 0	0	- 0		
	T906900 TRANSMISSION R&R												_
0	1 TRANS FACILITIES REHAB	01/01/2006 12/3	31/2018	50 0	0	0	0	750	0	0	0		0 0

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Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/F	Financing			2017					Financ	cina				
Priority	•	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
<u>0 WA</u>	T906900 TRANSMISSION R&R													
0	26 SCARBOROUGH PS - PUMP REPLC	01/01/2013	12/31/2017	145	0	0	0	0	145	0	0	0		0 0
0	27 EGLINTON PS - PUMP REPLC	01/01/2013	12/31/2017	228	0	0	0	0	228	0	0	0		0 0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTEC	T01/01/2014	12/31/2019	17,353	0	0	0	0	17,353	0	0	0		0 0
0	48 ROSEHILL RESERVOIR	01/01/2015	12/31/2019	11,479	0	0	0	0	11,479	0	0	0		0 0
0	49 DOWNSVIEW PS & CONNECTOR EA	01/01/2015	12/31/2017	410	0	0	0	0	410	0	0	0		0 0
0	50 PARKDALE PS REHABILITATION	01/01/2015	12/31/2019	3,580	0	0	0	0	3,580	0	0	0		0 0
0	51 ROSEHILL PS REHAB	01/01/2015	12/31/2021	1,786	0	0	0	0	1,786	0	0	0		0 0
0	67 PUMP REPLACEMENTS	01/01/2016	12/31/2019	900	0	0	0	0	900	0	0	0		0 0
0	72 RESERVOIR REHAB - PHASE 2 - ENG	01/01/2017	12/31/2026	200	0	0	0	0	200	0	0	0		0 0
0	74 PS REHAB - PHASE 2 - ENG	01/01/2017	12/31/2026	500	0	0	0	0	500	0	0	0		0 0
0	75 ST CLAIR RESERVOIR REHAB/WATER QUALITY-2017 SC	01/01/2017	12/31/2021	-9,003	0	0	0	0	-9,003	0	0	0		0 0
0	76 ROSEHILL RESERVOIR-2017 SC	01/01/2017	12/31/2023	-9,229	0	0	0	0	-9,229	0	0	0		0 0
0	77 PARKDALE PS REHABILITATION-2017 SC	01/01/2017	12/31/2021	-2,385	0	0	0	0	-2,385	0	0	0		0 0
0	78 SCARBOROUGH PS - PUMP REPLC- 2017 SC	01/01/2017	12/31/2017	5	0	0	0	0	5	0	0	0		0 0
0	79 EGLINTON PS - PUMP REPLC- 2017 SC	01/01/2017	12/31/2017	25	0	0	0	0	25	0	0	0		0 0
0	80 DOWNSVIEW PS & CONNECTOR EA- 2017 SC	01/01/2017	12/31/2018	-85	0	0	0	0	-85	0	0	0		0 0
0	81 ROSEHILL PS REHAB- 2017 SC	01/01/2017	12/31/2021	33	0	0	0	0	33	0	0	0		0 0
	F	Project Sub	-total:	16,692	0	0	0	0	16,692	0	0	0		0 0
0 WA	.T906902 HARRIS W.T.P. R&R													
0	3 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2017	500	0	0	0	0	500	0	0	0		0 0
0	21 HVAC REHAB CONSTRUCTION	01/01/2010	12/31/2018	2,766	0	0	0	0	2,766	0	0	0		0 0
0	29 HARRIS FILTERS REHABILITATION - PILOT	01/01/2015	12/31/2018	3,620	0	0	0	0	3,620	0	0	0		0 0
0	56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014	12/31/2019	9,579	0	0	0	0	9,579	0	0	0		0 0
0	81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015	12/31/2019	1,450	0	0	0	0	1,450	0	0	0		0 0
0	98 HERITAGE MASONRY AND ARCHITECTURAL RESTORATI	C01/01/2016	12/31/2021	200	0	0	0	0	200	0	0	0		0 0
0	99 CONTROL ROOM RELOCATION	01/01/2016	12/31/2017	593	0	0	0	0	593	0	0	0		0 0
0	100 EMERGENCY STANDBY POWER	01/01/2016	12/31/2018	895	0	0	0	0	895	0	0	0		0 0
0	102 PHONE SYSTEM UPGRADE	01/01/2016	12/31/2017	510	0	0	0	0	510	0	0	0		0 0
0	109 REHAB OF SETTLING BASIN ROOF &SLUICE GATES-2017	01/01/2017	12/31/2021	-279	0	0	0	0	-279	0	0	0		0 0
0	110 HARRIS FILTERS REHABILITATION - PILOT-2017 SC	01/01/2017	12/31/2019	-2,970	0	0	0	0	-2,970	0	0	0		0 0
0	111 CONTROL ROOM RELOCATION-2017 SC	01/01/2017	12/31/2018	-518	0	0	0	0	-518	0	0	0		0 0
0	113 PHONE SYSTEM UPGRADE-2017 SC	01/01/2017	12/31/2019	-510	0	0	0	0	-510	0	0	0		0 0
0	115 HVAC REHAB CONSTRUCTION- 2017 SC	01/01/2017	12/31/2019	-1,205	0	0	0	0	-1,205	0	0	0		0 0
0	116 LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	01/01/2017	10/01/0000	-989	0	0	0	0	-989	0	0	0		0 0



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Project/F	Financing			2017					Financ	cing				
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 WA	T906902 HARRIS W.T.P. R&R													
0	118 EMERGENCY STANDBY POWER- 2017 SC	01/01/2017 1	2/31/2019	-395	0	0	0	0	-395	0	0	0		0 0
		Project Sub-	total:	13,247	0	0	0	0	13,247	0	0	0		0 0
0 WA	T906903 FJ HORGAN W.T.P. R&R													
0	5 FACILITY & PROCESS UPGRADES	01/01/2006 1	2/31/2017	516	0	0	0	0	516	0	0	0		0 0
0	8 RAW WATER PUMP UGRADES	01/01/20161	2/31/2017	469	0	0	0	0	469	0	0	0		0 0
0	15 REPLACEMENT OF MCCS	01/01/20131	2/31/2022	2,315	0	0	0	0	2,315	0	0	0		0 0
0	31 BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/20161	2/31/2021	855	0	0	0	0	855	0	0	0		0 0
0	32 ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	I 101/01/2015 1	2/31/2019	550	0	0	0	0	550	0	0	0		0 0
0	34 TREATED WATER PUMP UPGRADES	01/01/20151	2/31/2017	1,890	0	0	0	0	1,890	0	0	0		0 0
0	53 FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017 1	2/31/2018	240	0	0	0	0	240	0	0	0		0 0
0	54 REPLACEMENT OF MCCS- 2017 SC	01/01/2017 1	2/31/2020	-57	0	0	0	0	-57	0	0	0		0 0
0	55 RAW WATER PUMP UGRADES- 2017 SC	01/01/2017 1	2/31/2017	52	0	0	0	0	52	0	0	0		0 0
0	56 ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 20	1701/01/2017 1	2/31/2019	-500	0	0	0	0	-500	0	0	0		0 0
0	57 TREATED WATER PUMP UPGRADES- 2017 SC	01/01/2017 1	2/31/2017	-364	0	0	0	0	-364	0	0	0		0 0
0	58 BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	01/01/2017 1	2/31/2019	-597	0	0	0	0	-597	0	0	0		0 0
		Project Sub-	total:	5,369	0	0	0	0	5,369	0	0	0		0 0
0 WA	T906906 TRUNK WATERMAIN EXPANSION													
0	25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/20091	2/31/2020	784	0	0	375	0	231	0	0	178		0 0
0	66 JOS - WM Scar PS to St. Clair&Midland (CONST)	01/01/2017 1	2/31/2020	2,000	0	0	958	0	588	0	0	454		0 0
0	69 JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	01/01/2017 1	2/31/2021	-384	0	0	-183	0	-114	0	0	-87		0 0
		Project Sub-	total:	2,400	0	0	1,150	0	705	0	0	545		0 0
0 WA	T906914 SWITCH GEAR TRANSFORMER	•					· · · · · · · · · · · · · · · · · · ·							
0	13 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/20121	2/31/2017	3,913	0	0	0	0	3,913	0	0	0		0 0
0	30 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	01/01/2012 1		-1,663	0	0	0	0	-1,663	0	0	0		0 0
O	• • •	Project Sub-		2,250	0	0	0	0	2,250	0		0		0 0
		r roject oub-	totai.	2,230	0				2,230					
	T906917 TRANSMISSION OPERATIONS OPTIMIZER													
0	8 TRANSMISSION OPERATIONS OPTIMIZER	01/01/2014 1		257	0	0	0	0	119	0	0	138		0 0
0	12 TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	01/01/2017 1		-7	0	0	0	0	-36	0	0	29		0 0
		Project Sub-	total:	250	0	0	0	0	83	0	0	167		0 0
<u>0</u> <u>WA</u>	T906918 WATER SUSTAINABILITY PROGRAM													
0	1 WATER SUSTAINABILITY PROGRAM	01/01/20131	2/31/2019	17,341	0	0	1,054	0	11,067	0	0	5,220		0 0
0	12 STANDBY POWER - ROSEHILL	01/01/20151	2/31/2021	3,344	0	0	201	0	2,140	0	0	1,003		0 0
0	19 WATER SUSTAINABILITY STANDBY POWER-ELLESMERE	2101/01/2017 1	2/31/2020	-12,041	0	0	-732	0	-7,684	0	0	-3,625		0 0



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Project/	Financing		Γ	2017					Financ	cing				
Priority	Project Project Name	Start Date	Completion C Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	AT906918 WATER SUSTAINABILITY PROGRAM													
0	20 STANDBY POWER - ROSEHILL- 2017 SC	01/01/2017 1	12/31/2022	49	0	0	3	0	31	0	0	15		0 0
		Project Sub-	total:	8,693	0	0	526	0	5,554	0	0	2,613		0 0
0 WA	AT906919 RL CLARK W.T.P. R&R		Ī											
0	1 FACILITY & PROCESS UPGRADES	01/01/20061	12/31/2018	150	0	0	0	0	150	0	0	0		0 0
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/20081		1,264	0	0	77	0	1,187	0	0	0		0 0
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/20101		15,112	0	0	919	0	14,193	0	0	0		0 0
0	44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/20131	12/31/2018	308	0	0	0	0	308	0	0	0		0 0
0	68 PROCESS EQUIPMENT UPGRADE ENGINEERING-2017			-904	0	0	-55	0	-849	0	0	0		0 0
0	69 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-20			-5,300	0	0	-322	0	-4,978	0	0	0		0 0
0	70 FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017 1	12/31/2018	50	0	0	0	0	50	0	0	0		0 (
0	71 EVACUATION AND COMMUNICATION SYSTEMS- 2017 S	SC 01/01/20171	12/31/2019	66	0	0	0	0	66	0	0	0		0 (
		Project Sub-	total:	10,746	0	0	619	0	10,127	0	0	0		0 0
0 WA	AT906930 DIST W/M REPLACEMENT	•	Ĭ											
0	14 2010 WM REPLC	01/01/20101	12/31/2017	5	0	0	0	0	5	0	0	0		0 0
0	21 2011 WM REPLC	01/01/2011 1		4	0	0	0	0	4	0	0	0		0 0
0	29 DIST W/M REPLC - 2012	05/27/2011 1		113	0	0	0	0	113	0	0	0		0 (
0	39 2013 WM REPLC - SOGR	01/01/20131		1	0	0	0	0	1	0	0	0		0 0
0	51 DIST W/M REPLACEMENT - 2014	01/01/20141		402	0	0	0	0	402	0	0	0		0 0
0	52 WATERMAIN UPGRADES - 2014	01/01/20141		400	0	0	0	0	400	0	0	0		0 0
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/20141	12/31/2019	1,045	0	0	0	0	1,045	0	0	0		0 0
0	59 2013 WM REPLC - UPGRADES	01/01/20151	12/31/2017	5	0	0	2	0	3	0	0	0		0 0
0	63 DIST W/M REPLACEMENT - 2015	01/01/20151	12/31/2018	4,691	0	0	729	0	3,962	0	0	0		0 0
0	64 WATERMAIN UPGRADES - 2015	01/01/20151	12/31/2017	338	0	0	105	0	233	0	0	0		0 0
0	73 DIST W/M REPLACEMENT - 2016	01/01/20161	12/31/2018	19,562	0	0	3,042	0	16,520	0	0	0		0 0
0	74 WATERMAIN UPGRADES - 2016	01/01/20161	12/31/2018	3,470	0	0	1,080	0	2,390	0	0	0		0 0
0	82 DIST W/M REPLACEMENT - 2015-2017 SC	01/01/2017 1	12/31/2018	-3,738	0	0	-581	0	-3,157	0	0	0		0 0
0	83 DIST W/M REPLACEMENT - 2017	01/01/2017 1	12/31/2019	51,296	0	0	7,977	0	43,319	0	0	0		0 0
0	84 WATERMAIN UPGRADES - 2017	01/01/2017 1	12/31/2019	10,333	0	0	3,215	0	7,118	0	0	0		0 0
0	87 2010 WM REPLC- 2017 SC	01/01/20171	12/31/2017	1	0	0	0	0	1	0	0	0		0 0
0	88 DIST W/M REPLC - 2012- 2017 SC	01/01/20171	12/31/2017	90	0	0	0	0	90	0	0	0		0 0
0	89 2013 WM REPLC - SOGR- 2017 SC	01/01/20171	12/31/2017	10	0	0	0	0	10	0	0	0		0 0
0	91 DIST W/M REPLACEMENT - 2014- 2017 SC	01/01/20171	12/31/2018	-401	0	0	0	0	-401	0	0	0		0 0
0	92 WATERMAIN UPGRADES - 2014- 2017 SC	01/01/20171	12/31/2017	-400	0	0	0	0	-400	0	0	0		0 0
0	93 WATERMAIN REPLACEMENT - METROLINX- 2017 SC	01/01/2017 1	12/31/2021	-712	0	0	0	0	-712	0	0	0		0 0

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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



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Project/F	Financing		2017					Financ	cing				
Priority	•	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves		Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0 WA</u>	T906930 DIST W/M REPLACEMENT												
0	94 WATERMAIN UPGRADES - 2015- 2017 SC	01/01/2017 12/31/2017	-191	0	0	-59	0	-132	0	0	0		0 0
0	95 DIST W/M REPLACEMENT - 2016- 2017 SC	01/01/2017 12/31/2019	3,443	0	0	535	0	2,908	0	0	0		0 0
0	96 WATERMAIN UPGRADES - 2016- 2017 SC	01/01/2017 12/31/2018	1,086	0	0	337	0	749	0	0	0		0 0
		Project Sub-total:	90,853	0	0	16,382	0	74,471	0	0	0		0 0
0 WA	T906932 DIST W/M REHABILITATION												
0	4 HYDRANT & VALVE REPAIR	01/01/2007 12/31/2017	2,193	0	0	0	0	2,193	0	0	0		0 0
0	6 WATERMAIN STRUCTURAL LINING	01/01/2007 12/31/2020	52,318	0	0	0	0	52,318	0	0	0		0 0
0	7 CATHODIC PROTECTION	01/01/2007 12/31/2018	5,298	0	0	0	0	5,298	0	0	0		0 0
0	30 CUT REPAIR	01/01/2007 12/31/2017	2,933	0	0	0	0	2,933	0	0	0		0 (
0	50 HYDRANT & VALVE REPAIR-2017 SC	01/01/2017 12/31/2017	127	0	0	0	0	127	0	0	0		0 (
0	51 CUT REPAIR-2017 SC	01/01/2017 12/31/2018	367	0	0	0	0	367	0	0	0		0 (
0	52 WATERMAIN STRUCTURAL LINING-2017 SC	01/01/2017 12/31/2024	15,726	0	0	0	0	4,449	0	0	11,277		0 (
0	54 CATHODIC PROTECTION- 2017 SC	01/01/2017 12/31/2018	-1,198	0	0	0	0	-1,198	0	0	0		0 (
		Project Sub-total:	77,764	0	0	0	0	66,487	0	0	11,277		0 (
0 WA	T906934 DIST WATER SERVICE REPAIR												
0	12 WATER SERVICE REPAIR - LEAD PROGRAM	01/01/2008 12/31/2018	18,219	0	0	0	0	18,219	0	0	0		0 (
0	19 2010 WSR	01/01/201512/31/2017	5	0	0	0	0	5	0	0	0		0 (
0	32 WSR CUT REPAIR	01/01/201212/31/2017	1,750	0	0	0	0	1,750	0	0	0		0 (
0	39 2012 WATER SERVICE REPLC - SOGR	01/01/201212/31/2017	35	0	0	0	0	35	0	0	0		0 (
0	41 2013 WSR	01/01/201312/31/2017	11	0	0	0	0	11	0	0	0		0 0
0	52 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014 12/31/2017	11	0	0	0	0	11	0	0	0		0 0
0	59 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015 12/31/2019	2,277	0	0	0	0	2,277	0	0	0		0 0
0	68 2016 WATER SERVICE REPLACEMENT - SOGR	01/01/201612/31/2018	12,062	0	0	0	0	12,062	0	0	0		0 (
0	71 WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/201612/31/2017	7,449	0	0	0	0	7,449	0	0	0		0 (
0	74 REPLACEMENT OF FROZEN SERVICES	01/01/201612/31/2018	1,000	0	0	0	0	1,000	0	0	0		0 (
0	75 WSR CUT REPAIRS WITH WM SL	01/01/201612/31/2017	1,750	0	0	0	0	1,750	0	0	0		0 (
0	78 2011 WSR	01/01/201612/31/2017	14	0	0	0	0	14	0	0	0		0 (
0	80 WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	01/01/2017 12/31/2020	-6,716	0	0	0	0	-6,716	0	0	0		0 (
0	81 WSR CUT REPAIR-2017 SC	01/01/2017 12/31/2018	-250	0	0	0	0	-250	0	0	0		0 (
0	82 WATER SERVICE REPAIR - WM REHAB PROGRAM-2017	S(01/01/2017 12/31/2020	1,723	0	0	0	0	1,723	0	0	0		0 0
0	83 WSR CUT REPAIRS WITH WM SL-2017 SC	01/01/2017 12/31/2018	-250	0	0	0	0	-250	0	0	0		0 0
0	84 2017 WATER SERVICE REPLACEMENT - SOGR	01/01/2017 12/31/2019	10,000	0	0	0	0	10,000	0	0	0		0 0
0	87 2011 WSR- 2017 SC	01/01/2017 12/31/2017	1	0	0	0	0	1	0	0	0		0 0
0	90 2015 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	01/01/2017 12/31/2019	-712	0	0	0	0	-712	0	0	0		0 0



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Project	/Financing			2017	1				Financ	ing				
Priority	Project	Project Name	Start Date Completio Date	n Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>o</u> <u>w</u>	AT906934	DIST WATER SERVICE REPAIR												
0	91 20	16 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	01/01/2017 12/31/201	8 -8,622	0	0	0	0	-8,622	0	0	0		0 0
			Project Sub-total:	39,757	0	0	0	0	39,757	0	0	0		0 0
<u>o</u> w	AT906935	NEW SERVICE CONNECTIONS												
0	2 NE	EW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2008 12/31/201	7 5,000	0	0	0	0	5,000	0	0	0		0 0
0	7 NE	W SERVICE CONNECTIONS - SITE SERVICING	01/01/2010 12/31/201	8 22,000	0	0	0	0	22,000	0	0	0		0 0
0	22 NE	W SERVICE CONNECTIONS - SITE SERVICING-2017	SC01/01/2017 12/31/201	8,000	0	0	0	0	8,000	0	0	0		0 0
			Project Sub-total:	35,000	0	0	0	0	35,000	0	0	0		0 0
0 W	AT906951	ENGINEERING												
0	2 C C	DNSULTING FEES	01/01/2006 12/31/202	1 11,563	0	0	0	0	11,563	0	0	0		0 0
0	63 RC	DAD RESTORATION	01/01/2006 12/31/201	7 6,005	0	0	0	0	6,005	0	0	0		0 0
0	69 LE	GAL SERVICES SALARIES	01/01/2017 12/31/201	7 205	0	0	0	0	205	0	0	0		0 0
0	70 EC	S SALARIES	01/01/2017 12/31/201	7 13,458	0	0	0	0	13,458	0	0	0		0 0
0	71 PF	PFA SALARIES	01/01/2017 12/31/201	7 2,292	0	0	0	0	2,292	0	0	0		0 0
0	72 RC	DAD RESTORATION- 2017 SC	01/01/2017 12/31/201	8 -4,005	0	0	0	0	-4,005	0	0	0		0 0
0	73 CC	DNSULTING FEES- 2017 SC	01/01/2017 12/31/202	6 1,182	0	0	0	0	1,182	0	0	0		0 0
0	74 PN	/MD SALARIES	01/01/2017 12/31/201	7 263	0	0	0	0	263	0	0	0		0 0
			Project Sub-total:	30,963	0	0	0	0	30,963	0	0	0		0 0
<u>o</u> <u>w</u>	AT906977	ISLAND W.T.P. R&R												
0	1 FA	.CILITY & PROCESS UPGRADES	01/01/2006 12/31/201	8 1,482	0	0	0	0	1,482	0	0	0		0 0
0	12 FA	CILITY UPGRADE - FORMER MARINE YARD	01/01/2011 12/31/201	7 2,320	0	0	0	0	2,320	0	0	0		0 0
0	25 ISI	LAND FILTER AIR SCOUR SYSTEM	01/01/2009 12/31/201	7 5	0	0	0	0	5	0	0	0		0 0
0	32 TR	RAVELLING SCREEN REPLACEMENT	01/01/2015 12/31/202	0 1,266	0	0	0	0	1,266	0	0	0		0 0
0	50 AN	MMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/2014 12/31/201	9 2,738	0	0	0	0	2,738	0	0	0		0 0
0	51 CH	HEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	N 01/01/201412/31/201	7 26	0	0	0	0	26	0	0	0		0 0
0	69 Ge	enerators` DR3 Program	01/01/2015 12/31/201	8 695	0	0	0	0	695	0	0	0		0 0
0	70 PL	ANTWIDE HVAC UPGRADES	01/01/2015 12/31/201	8 1,151	0	0	0	0	1,151	0	0	0		0 0
0	83 R <i>A</i>	AW WATER INTAKE CLEANING	01/01/2016 12/31/201	7 1,090	0	0	0	0	1,090	0	0	0		0 0
0	89 FA	CILITY & PROCESS UPGRADES-2017 SC	01/01/2017 12/31/201	7 -865	0	0	0	0	-865	0	0	0		0 0
0	90 FA	CILITY UPGRADE - FORMER MARINE YARD-2017 SC	01/01/2017 12/31/201	9 -1,370	0	0	0	0	-1,370	0	0	0		0 0
0		RAVELLING SCREEN REPLACEMENT-2017 SC	01/01/2017 12/31/202	0 370	0	0	0	0	370	0	0	0		0 0
0	92 Ge	enerators` DR3 Program-2017 SC	01/01/2017 12/31/202	0 -695	0	0	0	0	-695	0	0	0		0 0
0	93 R <i>A</i>	AW WATER INTAKE CLEANING-2017 SC	01/01/2017 12/31/201	8 -940		0	0	0	-940	0	0	0		0 0
0	96 ISI	LAND ENWAVE/RETROFIT PROJECT- 2017 SC	01/01/2017 12/31/201	7 4	0	0	0	0	4	0	0	0		0 0



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Appendix 5: 2017 Capital Projects with Financing Detail

Priority Project Project Name Start Date Control Start Date Project Start Date	Project/F	inancing		2017					Financ	cing				
0 937AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC 0101/2017/1231/2010 0 98 CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION- 2017 SIGNI/1/2017/1231/2010 0 99 FLANTYWICE HAGC LIPGRADES- 2017 SC 0101/2017/1231/2010 0 99 FLANTYWICE HAGC LIPGRADES- 2017 SC 0101/2017/1231/2010 0 99 FLANTYWICE HAGC LIPGRADES- 2017 SC 0101/2017/1231/2010 0 91 CAMPRING ALLAN REVITALIZATION PLAN 0 1 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 91 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 10 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 0101/2013/1231/2017 0 11 REGENT PARK CAPITAL CONTRIBUTION PLANS EXTERNAL 0101/2013/1231/2017 0 11 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 0101/2011/1231/202 0 13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2017 S0101/2017/1231/202 0 16 REGENT PARK CAPITAL CONTRIBUTION PHASE 2 2010/2017/2017/201/202 0 16	Priority F	Project Project Name		Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt	
0 88 CHEMICAL SYSTEMS: ELEC FEED DISTRIBUTION-2017 S(010102017123172020	0 WA	1906977 ISLAND W.T.P. R&R												
Project Sub-total: 4.297 0 0 0 0 5.255 0 0 0 0 0 0 0 0 0	0	97 AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 S	SC 01/01/2017 12/31/2020	-2,459	0	0	0	0	-2,459	0	0	0		0 0
Project Sub-total: 4.287 0 0 0 0 4.237 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	98 CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017	7 S(01/01/2017 12/31/2018	4	. 0	0	0	0	4	0	0	0		0 0
WAT997353 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL 0101/201312/31/2016 6,613 0 0 6,613 0 0 0 0 0 0 0 0 0	0	99 PLANTWIDE HVAC UPGRADES- 2017 SC	01/01/2017 12/31/2020	-525	0	0	0	0	-525	0	0	0		0 0
1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL 01/01/2013 12/31/2015 6,613 0 0 0 6,6813 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	4,297	0	0	0	0	4,297	0	0	0		0 0
0 2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL 01/01/201312/31/2017 4,592 0 0 4,592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WAT	1907353 LAWRENCE ALLAN REVITALIZATION PLAN												
0 9 LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 201701/01/20171/23/1/2015	0	1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/201312/31/2019	6,613	0	0	6,613	0	0	0	0	0		0 0
10 10 10 10 10 10 10 10	0	2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/201312/31/2017	4,592	0	0	4,592	0	0	0	0	0		0 0
NAT907558 REGENT PARK CAPITAL CONTRIBUTION 1 REGENT PARK CAPITAL CONTRIBUTION - PHASE 2 0 1/01/2011 12/31/2022 596 0 0 0 596 0 0 0 0 0 0 0 0 0	0	9 LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2	01701/01/2017 12/31/2020	-3,613	0	0	-3,613	0	0	0	0	0		0 0
Nation Column C	0	10 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2	201 01/01/2017 12/31/2019	-4,092	0	0	-4,092	0	0	0	0	0		0 0
1 REGENT PARK CAPITAL CONTRIBUTION - PHASE 2 01/01/2011 12/31/2022 596 0 0 596 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	3,500	0	0	3,500	0	0	0	0	0		0 0
1 REGENT PARK CAPITAL CONTRIBUTION - PHASE 2 01/01/2011 12/31/2022 596 0 0 596 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	1907558 REGENT PARK CAPITAL CONTRIBUTION		ĺ	İ									
0 14 REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5 01/01/2017 12/31/2024 812 0 0 812 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			01/01/2011 12/31/2022	596	0	0	596	0	0	0	0	0		0 0
Project Sub-total: 812 0 0 812 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 201	7 S(01/01/201712/31/2022	-596	0	0	-596	0	0	0	0	0		0 0
WAT907946 BUSINESS IT PROJECTS UNIT PROJECT 01/01/2014 12/31/2021 2,409 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	14 REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	01/01/2017 12/31/2024	812	0	0	812	0	0	0	0	0		0 0
0 7 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT 01/01/2014 12/31/2021 2,409 0 0 0 0 2,409 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	812	0	0	812	0	0	0	0	0		0 0
0 16 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 201/01/2017 12/31/2023 -1,679	0 WAT	1907946 BUSINESS IT PROJECTS			ĺ									
Project Sub-total: 730	0	7 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	Γ 01/01/201412/31/2021	2,409	0	0	0	0	2,409	0	0	0		0 0
Q WAT908087 TRUNK WATERMAIN TRUNK WATERMAIN 2,456 0 0 0 0 2,456 0	0	16 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	Γ- 2/01/01/2017 12/31/2023	-1,679	0	0	0	0	-1,679	0	0	0		0 0
0 1 TRANSMISSION SYSTEM AUTOMATION 01/01/2015 12/31/2018 2,456 0 0 0 0 0 2,456 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	730	0	0	0	0	730	0	0	0		0 0
0 1 TRANSMISSION SYSTEM AUTOMATION 01/01/2015 12/31/2018 2,456 0 0 0 0 0 2,456 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	F908087 TRUNK WATERMAIN			İ									
0 6 3RD PARTY RELOCATIONS (METROLINX) 01/01/201512/31/2021 350 0 0 0 0 350 0 0 0 0 0 0 0 0 0 0 0 0			01/01/2015 12/31/2018	2,456	0	0	0	0	2,456	0	0	0		0 0
0 10 TRANSMISSION SYSTEM AUTOMATION- 2017 SC 01/01/2017 12/31/2022 -2,204 0 0 0 0 -2,204 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	4 JOS - REVENUE METER REPLACEMENT	01/01/2016 12/31/2018	3,545	0	0	0	0	1,772	0	0	1,773		0 0
0 11 3RD PARTY RELOCATIONS (METROLINX)- 2017 SC 01/01/2017 12/31/2017 -300 0 0 0 -300 0 0 0 0 0 0 0 0 0 0 0 0	0	63RD PARTY RELOCATIONS (METROLINX)	01/01/201512/31/2021	350	0	0	0	0	350	0	0	0		0 0
0 12 JOS - REVENUE METER REPLACEMENT- 2017 SC 01/01/2017 12/31/2019 -1,045 0 0 0 0 -522 0 0 0 -523 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	10 TRANSMISSION SYSTEM AUTOMATION- 2017 SC	01/01/2017 12/31/2022	-2,204	. 0	0	0	0	-2,204	0	0	0		0 0
Project Sub-total: 2,802 0 0 0 1,552 0 0 1,250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	11 3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	01/01/2017 12/31/2017	-300	0	0	0	0	-300	0	0	0		0 0
0 WAT908248 WT&S PLANTWIDE 0 1 UV DISINFECTION - CONCEPTUAL DESIGN 01/01/201612/31/2017 500 0	0	12 JOS - REVENUE METER REPLACEMENT- 2017 SC	01/01/2017 12/31/2019	-1,045	0	0	0	0	-522	0	0	-523		0 0
0 1 UV DISINFECTION - CONCEPTUAL DESIGN 01/01/201612/31/2017 500 0 0 0 0 500 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	2,802	0	0	0	0	1,552	0	0	1,250		0 0
0 4 ZEBRA MUSSEL CONTROL - ENG 01/01/2017 12/31/2022 650 0 0 0 0 650 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	T908248 WT&S PLANTWIDE												
0 6 STANDBY POWER - PHASE 2 - ENG 01/01/201612/31/2024 690 0 0 41 0 442 0 0 207 0 0 8 UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC 01/01/2017 12/31/2017 -500 0 0 0 -500 0 0 0 0 0	0	1 UV DISINFECTION - CONCEPTUAL DESIGN	01/01/2016 12/31/2017	500	0	0	0	0	500	0	0	0		0 0
0 8 UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC 01/01/2017 12/31/2017 -500 0 0 0 -500 0 0 0 0	0	4 ZEBRA MUSSEL CONTROL - ENG	01/01/2017 12/31/2022	650	0	0	0	0	650	0	0	0		0 0
The state of the s	0	6 STANDBY POWER - PHASE 2 - ENG	01/01/201612/31/2024	690	0	0	41	0	442	0	0	207		0 0
0 9 STANDBY POWER - PHASE 2 - ENG- 2017 SC 01/01/2017 12/31/2026 -140 0 0 -8 0 -90 0 0 -42 0 0	0	8 UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	01/01/2017 12/31/2017	-500	0	0	0	0	-500	0	0	0		0 0
	0	9 STANDBY POWER - PHASE 2 - ENG- 2017 SC	01/01/2017 12/31/2026	-140	0	0	-8	0	-90	0	0	-42		0 0

Nov-02-2016 17:10:59

(Phase 2) 10-Water Program

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

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Water Program Sub-Project Summary

Project/Fir	nancing			2017					Financ	ing				
Priority Pr	roject Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From	Other 1	Other 2	Debt	Debt - Recoverable
					Subsidies	,	J			Current				
<u>0 WATS</u>	908248 WT&S PLANTWIDE													
0	10 UV DISINFECTION - ISLAND WTP - ENGINEERING	01/01/2017	12/31/2024	250	0	0	0	0	250	0	0	0	(0
0	12 SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	S01/01/2017	12/31/2021	200	0	0	12	0	128	0	0	60	(0
	F	roject Sub	-total:	1,650	0	0	45	0	1,380	0	0	225	(0
														_
Program ⁻	Total:			392,232	0	0	25,211	0	349,987	0	0	17,034	(0

Status Code	Description
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S2 S2 Prior Year (With 2017 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2017 and\or Future Year Cost\Cashflow)

S4 S4 New - Stand-Alone Project (Current Year Only)

S5 S5 New (On-going or Phased Projects)

Category Code Description

Health and Safety C01 01 Legislated C02

03 State of Good Repair C03

04 Service Improvement and Enhancement C04

05 Growth Related C05 06 Reserved Category 1 C06

Reserved Category 2 C07

MTORONTO

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



Appendix 5: 2017 Capital Projects with Financing Detail

Project/Fi	nancing			2017					Financ	ing				
Priority P	roject 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 WAS	000007 ASHBRIDGES BAY WWTP REHAB													
0	17 STANDBY POWER GENERATION	01/01/2005	12/31/2017	7 5	0	0	0	0	5	0	0	0		0 0
0	19 FERROUS UPGRADES	01/01/2013	12/31/2019	15,695	0	0	1,268	0	14,427	0	0	0		0 0
0	30 ELECTRICAL REHAB - ECAP	01/01/2005	12/31/2019	4,542	0	0	0	0	4,542	0	0	0		0 0
0	41 POLYMER UPGRADE	01/01/2014	12/31/2023	1,362	0	0	0	0	1,362	0	0	0		0 0
0	46 REHAB OF GROUNDS & BUILDINGS	01/01/2010	12/31/2017	10	0	0	0	0	10	0	0	0		0 0
0	47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2005	12/31/2020	1,252	0	0	101	0	1,151	0	0	0		0 0
0	49 PROCESS UPGRADES & ODOUR CONTROL ENGINEERIN	(01/01/2005	12/31/2017	193	0	0	15	0	178	0	0	0		0 0
0	189 PROCESS AND EQUIPMENT	01/01/2013	12/31/2019	1,796	0	0	0	0	1,796	0	0	0		0 0
0	190 GROUND AND FACILITIES	01/01/2013	12/31/2017	445	0	0	0	0	445	0	0	0		0 0
0	215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014	12/31/2023	3,365	0	0	0	0	3,365	0	0	0		0 0
0	216 OPERATIONS CENTRE - ENGINEERING	01/01/2016	12/31/2017	400	0	0	0	0	400	0	0	0		0 0
0	226 ABTP - PROCESS ROADMAP PHASE 2	01/01/2015	12/31/2019	1,225	0	0	0	0	1,225	0	0	0		0 0
0	227 AIR HEADER REHAB	01/01/2015	12/31/2018	727	0	0	0	0	727	0	0	0		0 0
0	229 D BUILDING PHASE 2	01/01/2015	12/31/2024	502	0	0	0	0	502	0	0	0		0 0
0	247 HEATING AND AIR SYSTEMS ASSESSMENT	01/01/2016	12/31/2018	590	0	0	0	0	590	0	0	0		0 0
0	248 SOILS MANAGEMENT PLAN	01/01/2016	12/31/2018	200	0	0	0	0	200	0	0	0		0 0
0	264 HVAC CONVERSION Z-BLDG	01/01/2016	12/31/2018	1,860	0	0	0	0	1,860	0	0	0		0 0
0	265 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-	2101/01/2017	12/31/2021	398	0	0	32	0	366	0	0	0		0 0
0	266 PROCESS AND EQUIPMENT-2017 SC	01/01/2017	12/31/2020	-563	0	0	0	0	-563	0	0	0		0 0
0	267 GROUND AND FACILITIES-2017 SC	01/01/2017	12/31/2020	-4	0	0	0	0	-4	0	0	0		0 0
0	269 NEW FLEET PURCHASES-2017 SC	01/01/2017	12/31/2017	80	0	0	0	0	80	0	0	0		0 0
0	270 SOILS MANAGEMENT PLAN-2017 SC	01/01/2017	12/31/2018	-200	0	0	0	0	-200	0	0	0		0 0
0	272 FERROUS UPGRADES - 2017 SC	01/01/2017	12/31/2019	-8,315	0	0	-674	0	-7,641	0	0	0		0 0
0	273 ELECTRICAL REHAB - ECAP- 2017 SC	01/01/2017	12/31/2019	-1,375	0	0	0	0	-1,375	0	0	0		0 0
0	275 PROCESS UPGRADES & ODOUR CONTROL ENG- 2017 S	C01/01/2017	12/31/2018	-93	0	0	-7	0	-86	0	0	0		0 0
0	276 POLYMER UPGRADE- 2017 SC	01/01/2017	12/31/2022	-12	0	0	0	0	-12	0	0	0		0 0
0	277 OPERATIONS CENTRE - ENGINEERING- 2017 SC	01/01/2017	12/31/2018	-100	0	0	0	0	-100	0	0	0		0 0
0	278 ABTP - PROCESS ROADMAP PHASE 2- 2017 SC	01/01/2017	12/31/2020	-975	0	0	0	0	-975	0	0	0		0 0
0	279 AIR HEADER REHAB- 2017 SC	01/01/2017	12/31/2018	450	0	0	0	0	450	0	0	0		0 0
0	280 D BUILDING PHASE 2- 2017 SC	01/01/2017	12/31/2023	322	0	0	0	0	322	0	0	0		0 0
0	281 HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	01/01/2017	12/31/2018	-90	0	0	0	0	-90	0	0	0		0 0
0	282 HVAC CONVERSION Z-BLDG- 2017 SC	01/01/2017	12/31/2019	-860	0	0	0	0	-860	0	0	0		0 0
0	285 BLOWER 7-9 OVERHAUL	01/01/2017	12/31/2018	800	0	0	0	0	800	0	0	0		0 0

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

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/l	Financing		2017					Financ	cing				
Priority	<u> </u>	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 WA	S000007 ASHBRIDGES BAY WWTP REHAB												
0	286 STANDBY POWER GENERATION- 2017 SC	01/01/2017 12/31/2018	15	0	0	2	0	13	0	0	0		0 0
		Project Sub-total:	23,647	0	0	737	0	22,910	0	0	0		0 0
0 WA	S000115 HUMBER T.P.												
0	9 CO-GENERATION	01/01/2005 12/31/2018	335	0	0	0	0	335	0	0	0		0 0
0	62 CO-GENERATION- 2017 SC	01/01/2017 12/31/2018	-135	0	0	0	0	-135	0	0	0		0 0
		Project Sub-total:	200	0	0	0	0	200	0	0	0		0 0
0 WA	S000259 TRUNK SEWER SYSTEM												
0	15 TRUNK SEWER REHABILITATION - 2012	01/01/201212/31/2020	1,643	0	0	0	0	1,643	0	0	0		0 0
0	27 TRUNK SEWER REHABILITATION - 2014	01/01/201412/31/2020	38,206	0	0	0	0	38,206	0	0	0		0 0
0	34 BLACK CREEK STS EA	01/01/200812/31/2017	1,177	0	0	0	0	1,177	0	0	0		0 0
0	47 TRUNK SEWER REHABILITATION - 2016	01/01/201612/31/2021	3,590	0	0	0	0	3,590	0	0	0		0 0
0	49 TRUNK SEWER REHABILITATION - 2014-2017 SC	01/01/2017 12/31/2021	-14,767	0	0	0	0	-14,767	0	0	0		0 0
0	50 TRUNK SEWER REHABILITATION - 2016-2017 SC	01/01/2017 12/31/2021	260	0	0	0	0	260	0	0	0		0 0
0	52 TRUNK SEWER REHABILITATION - 2012- 2017 SC	01/01/2017 12/31/2021	430	0	0	0	0	430	0	0	0		0 0
0	53 TRUNK SEWER REHABILITATION - 2018	01/01/2017 12/31/2026	1,375	0	0	0	0	1,375	0	0	0		0 0
0	54 BLACK CREEK STS EA- 2017 SC	01/01/2017 12/31/2018	-422	0	0	0	0	-422	0	0	0		0 0
		Project Sub-total:	31,492	0	0	0	0	31,492	0	0	0		0 0
0 WA	S000442 BASEMENT FLOODING RELIEF												
0	1 BASEMENT FLOODING PROTECTION SUBSIDY PROG	RAM01/01/200512/31/2018	5,500	0	0	0	0	5,500	0	0	0		0 0
0	8 BASEMENT FLOODING STUDIES & EAS	01/01/200612/31/2020	920	0	0	0	0	920	0	0	0		0 0
0	9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/201312/31/2024	5,050	0	0	0	0	5,050	0	0	0		0 0
0	12 ROAD RESTORATION FOR BSMT FLDG PRJS	01/01/201212/31/2017	515	0	0	0	0	515	0	0	0		0 0
0	14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/200812/31/2018	1,170	0	0	0	0	1,170	0	0	0		0 0
0	18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011 12/31/2018	4,108	0	0	0	0	4,108	0	0	0		0 0
0	19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/201412/31/2021	60,405	0	0	0	0	60,405	0	0	0		0 0
0	20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014 12/31/2020	4,458	0	0	0	0	4,458	0	0	0		0 0
0	29 BASEMENT FLOODING RELIEF - GROUP 1	01/01/201012/31/2018	2,268	0	0	0	0	2,268	0	0	0		0 0
0	76 BASEMENT FLOODING FLOW MONITORING	01/01/201612/31/2021	1,614	0	0	0	0	1,614	0	0	0		0 0
0	77 BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEER	RINC01/01/2015 12/31/2025	11,794	0	0	0	0	11,794	0	0	0		0 0
0	81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENT	NTA\01/01/2014 12/31/2018	10,755	0	0	0	0	10,755	0	0	0		0 0
0	89 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRU	CTIC01/01/2017 12/31/2025	10,788		0	0	0	10,788	0	0	0		0 0
0	102 BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	01/01/2017 12/31/2019			0	0	0	-569	0	0	0		0 0
0	103 BASEMENT FLOODING RELIEF - TUNNEL PROJECT-20	017	-4,500	0	0	0	0	-4,500	0	0	0		0 0

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

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

MASSONIAL BASEMENT FLOODING RELIEF CROUP 2-2017 SC 0101/2017 1231/2025 42.48	Project/l	Financing		2017					Financ	cing				
104 BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	Priority	Project Project Name		Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt	Debt - Recoverable
106 BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	<u>0</u> WA	S000442 BASEMENT FLOODING RELIEF												
0 108 BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC 0101/2017 1231/2028	0	104 BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	01/01/2017 12/31/2021	-42,348	0	0	0	0	-42,348	0	0	0		0 0
0 107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTI(0101/201712/31/2012) 0 108 LIDAR PURCHASE 0 109 LIDAR PURCHASE 0 109 CREAL ESTATE - IDC 0 109 CREAL ESTATE - IDC 0 109 CREAL ESTATE - IDC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2017 SC 0 1017 BASEMENT FLOODING STUDIES & EAS- 2018 MPLEADING TITE 2017 2017 2017 2017 2017 2017 2017 2017	0	105 BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	01/01/2017 12/31/2020	-2,030	0	0	0	0	-2,030	0	0	0		0 0
108 LIDAR PURCHASE	0	106 BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 Se	C 01/01/2017 12/31/2025	5,378	0	0	0	0	5,378	0	0	0		0 0
0 109 REAL ESTATE - IDC 0 1112 BASEMENT FLOODING STUDIES & EAS-2017 SC 0 1102 BASEMENT FLOODING STUDIES & EAS-2017 SC 0 1102 BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC 0 1102 BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC 0 1102 BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC 0 1102 BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC 0 1102 BASEMENT FLOODING STUDIES & EAS-2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1102 BASEMENT FLOODING STUDIES & EAS-2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1102 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1001 2017 1223 12201 0 9 HCTP BLDG REHAB & IMPROVEMENTS 0 1001 2017 1223 12201 0 9 HCTP BLDG REHAB & IMPROVEMENTS 0 1001 2017 1223 12201 0 9 HCTP BLDG REHAB & IMPROVEMENTS 0 1001 2017 1223 12201 0 9 LAB EQUIPMENT 0 1010 1220 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1001 2017 1223 12201 0 112 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1001 2017 1223 12201 0 112 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1001 2017 1223 12201 0 112 BASEMENT FLOODING FLOW MONITORING - 2017 SC 0 1001 2017 1223 12202 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUC	TIC01/01/2017 12/31/2021	8,486	0	0	0	0	8,486	0	0	0		0 0
0 111 BASEMENT FLOODING STUDIES & EAS-2017 SC	0	108 LIDAR PURCHASE	01/01/2017 12/31/2017	1,000	0	0	0	0	1,000	0	0	0		0 0
0 1112 BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC 01/01/2017 12/31/2020 20 0 0 0 0 2-2,810 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	109 REAL ESTATE - IDC	01/01/2017 12/31/2018	63	0	0	0	0	63	0	0	0		0 0
0 113 BASEMENT FLOODING RELIEF - GROUP 1 - 2017 SC 01/01/2017 12/31/2017 0 0 0 0 0 - 2,207 0 0 0 0 0 0 14/2017 0 0 0 0 0 14/2017 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	111 BASEMENT FLOODING STUDIES & EAS- 2017 SC	01/01/2017 12/31/2021	215	0	0	0	0	215	0	0	0		0 0
0 114 ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC 01/01/2017 12/31/2021	0	112 BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	01/01/2017 12/31/2020	-2,810	0	0	0	0	-2,810	0	0	0		0 0
0 115 BASEMENT FLOODING STUDIES&EA S-CW IMPLEMENT 20101/201712/31/2022	0	113 BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	01/01/2017 12/31/2019	-2,207	0	0	0	0	-2,207	0	0	0		0 0
0 116 BASEMENT FLOODING FLOW MONITORING- 2017 SC	0	114 ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	01/01/2017 12/31/2017	-515	0	0	0	0	-515	0	0	0		0 0
Project Sub-total: 71,847	0	115 BASEMENT FLOODING STUDIES&EA`S-CW IMPLEMENT	2(01/01/201712/31/2023	-6,946	0	0	0	0	-6,946	0	0	0		0 0
WAS906321 HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV 1,326 0 0 0 0 1,326 0 0 0 0 0 0 0 0 0	0	116 BASEMENT FLOODING FLOW MONITORING- 2017 SC	01/01/2017 12/31/2021	-715	0	0	0	0	-715	0	0	0		0 0
0 3 HCTP BLDG REHAB & IMPROVEMENTS 01/01/2012 12/31/2019 1,326 0 0 0 1,326 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	71,847	0	0	0	0	71,847	0	0	0		0 0
0 3 HCTP BLDG REHAB & IMPROVEMENTS 01/01/2012 12/31/2019 1,326 0 0 0 1,326 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S000521 HIGHLAND CREEK WWTP - BUILDING SERV & SITE	<u>DEV</u>											
Project Sub-total: 3,000 0 0 0 0,00,000 0 0 0 0 0 0 0 0 0	0	3 HCTP BLDG REHAB & IMPROVEMENTS	01/01/201212/31/2019	1,326	0	0	0	0	1,326	0	0	0		0 0
Q WAS906322 W&WW LABORATORIES 0 9 LAB EQUIPMENT 01/01/2008 12/31/2018 188 0 0 0 0 188 0 0 0 0 188 0 0 0 188 0	0	9 HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	01/01/2017 12/31/2019	1,674	0	0	0	0	1,674	0	0	0		0 0
0 9 LAB EQUIPMENT 01/01/2008 12/31/2018 188 0 0 0 0 188 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	3,000	0	0	0	0	3,000	0	0	0		0 0
0 31 LAB EQUIPMENT- 2017 SC 01/01/2017 12/31/2021 57 0 0 0 0 57 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906322 W&WW LABORATORIES												
Project Sub-total: 245 0 0 0 0 245 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	9 LAB EQUIPMENT	01/01/200812/31/2018	188	0	0	0	0	188	0	0	0		0 0
O WAS906328 SWM END OF PIPE FACILITIES 0 11 Bonar Creek SWMF Construction 01/01/201412/31/2020 3,000 0 0 241 0 2,759 0	0	31 LAB EQUIPMENT- 2017 SC	01/01/2017 12/31/2021	57	0	0	0	0	57	0	0	0		0 0
0 11 Bonar Creek SWMF Construction 01/01/201412/31/2020 3,000 0 0 241 0 2,759 0 0 0 0 0 0 0 0 0 0 12 EARL BALES PARK SWM FACILITY - PHASE 2 01/01/201212/31/2017 1,475 0 0 1119 0 1,356 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	245	0	0	0	0	245	0	0	0		0 0
0 12 EARL BALES PARK SWM FACILITY - PHASE 2 01/01/201212/31/2017 1,475 0 0 119 0 1,356 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u>0 WA</u>	S906328 SWM END OF PIPE FACILITIES												
0 63 Bonar Creek SWMF Construction-2017 SC 01/01/2017 12/31/2022 -2,750 0 0 -221 0 -2,529 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	11 Bonar Creek SWMF Construction	01/01/201412/31/2020	3,000	0	0	241	0	2,759	0	0	0		0 0
0 64 HUMBER BAY POND (ETOBICOKE) 01/01/2017 12/31/2019 100 0 0 8 0 92 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	12 EARL BALES PARK SWM FACILITY - PHASE 2	01/01/2012 12/31/2017	1,475	0	0	119	0	1,356	0	0	0		0 0
0 65 NORTH TORONTO CSO CONSTR- 2017 SC 01/01/2017 12/31/2017 47 0 0 43 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	63 Bonar Creek SWMF Construction-2017 SC	01/01/2017 12/31/2022	-2,750	0	0	-221	0	-2,529	0	0	0		0 0
0 66 EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC 01/01/2017 12/31/2019 -543 0 0 -44 0 -499 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	64 HUMBER BAY POND (ETOBICOKE)	01/01/2017 12/31/2019	100	0	0	8	0	92	0	0	0		0 0
0 67 YR03 D1 END OF PIPE- 2017 SC 01/01/2017 12/31/2018 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0	65 NORTH TORONTO CSO CONSTR- 2017 SC	01/01/2017 12/31/2017	47	0	0	4	0	43	0	0	0		0 0
Project Sub-total: 1,330 0 0 107 0 1,223 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	66 EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	01/01/2017 12/31/2019	-543	0	0	-44	0	-499	0	0	0		0 0
0 WAS906331 SWM SOURCE CONTROL PROG 0 9 DOWNSPOUT DISCONNECTION PROGRAM 01/01/200512/31/2018 150 0<	0	67 YR03 D1 END OF PIPE- 2017 SC	01/01/2017 12/31/2018	1	0	0	0	0	1	0	0	0		0 0
0 9 DOWNSPOUT DISCONNECTION PROGRAM 01/01/2005 12/31/2018 150 0 0 0 150 0 0 0 0			Project Sub-total:	1,330	0	0	107	0	1,223	0	0	0		0 0
	0 WA	S906331 SWM SOURCE CONTROL PROG												
Project Sub-total: 150 0 0 0 150 0 0 0 0	0	9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005 12/31/2018	150	0	0	0	0	150	0	0	0		0 0
			Project Sub-total:	150	0	0	0	0	150	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/l	Financing		2017					Finan	cing				
Priority	Project Project Name	Start Date Completi Date	on Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WA	.S906380 HIGHLAND CREEK WWTP - ODOUR CONTROL												
0	1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/200812/31/20	21 524	0	0	42	0	482	0	0	0		0 (
0	2 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/201312/31/20	15,000	0	0	1,207	0	13,793	0	0	0		0 (
0	20 ODOUR CONTROL UPGRADES - PHASE 1 ENG-2017 SC	01/01/2017 12/31/20	21 476	0	0	38	0	438	0	0	0		0 (
0	21 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR- 2017	7	20 -1,999	0	0	-161	0	-1,838	0	0	0		0 (
		Project Sub-total:	14,001	0	0	1,126	0	12,875	0	0	0		0 (
0 WA	.S906486 ASHBRIDGES BAY T.P III YR2004												
0	3 PCS-PLANT SRVS	01/01/200512/31/20	17 30	0	0	2	0	28	0	0	0		0 (
0	48 PCS-PLANT SRVS- 2017 SC	01/01/2017 12/31/20	18 10	0	0	1	0	9	0	0	0		0 (
		Project Sub-total:	40	0	0	3	0	37	0	0	0		0 (
0 WA	S906487 HIGHLAND CREEK T.P IV YR2004	•											
0	22 PCS PLANT SERVICES	01/01/2017 12/31/20	17 1	0	0	0	0	1	0	0	0		0
		Project Sub-total:	1	0	0	0	0	1	0	0	0		0 (
0 WA	S906488 HUMBER T.P II YR2004												
0	2 PCS PLANT SERVICES	01/01/2005 12/31/20	17 2	0	0	0	0	2	0	0	0		0 (
0	24 PCS PLANT SERVICES- 2017 SC	01/01/2017 12/31/20	18 -1	0	0	0	0	-1	0	0	0		0 (
		Project Sub-total:	1	0	0	0	0	1	0	0	0		0 (
0 WA	S906492 WET WEATHER FLOW MP												
0	1 SWM INA/EA	01/01/200512/31/20	19 650	0	0	52	0	598	0	0	0		0 (
0	2 PUBLIC EDUCATION	01/01/200512/31/20	17 550	0	0	44	0	506	0	0	0		0 (
0	14 WWFMP IMPLEMENTATION - DESIGN	01/01/200812/31/20	1,570	0	0	127	0	1,443	0	0	0		0 (
0	58 SWM CONVEYANCE 2015	01/01/201512/31/20	17 685	0	0	55	0	630	0	0	0		0 (
0	59 STORM WATER POND ASSESSMENT & CLEANING	01/01/201512/31/20	20 3,975	0	0	0	0	3,975	0	0	0		0
0	60 ASHBRIDGES BAY LANDFORMS	01/01/201512/31/20	23 5,045	0	0	0	0	5,045	0	0	0		0
0	76 SWM CONVEYANCE 2016	01/01/201612/31/20	18 2,303	0	0	185	0	2,118	0	0	0		0
0	82 STORM WATER POND ASSESSMENT & CLEANING-2017	S(01/01/201712/31/20	-3,550	0	0	0	0	-3,550	0	0	0		0
0	83 ASHBRIDGES BAY LANDFORMS-2017 SC	01/01/2017 12/31/20	23 -4,545	0	0	0	0	-4,545	0	0	0		0 (
0	84 SWM CONVEYANCE 2017	01/01/2017 12/31/20	19 3,460	0	0	279	0	3,181	0	0	0		0
0	85 HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	01/01/2017 12/31/20	17 200	0	0	16	0	184	0	0	0		0 (
0	86 GREEN STREETS	01/01/2017 12/31/20	20 333	0	0	27	0	306	0	0	0		0 (
0	92 WWFMP IMPLEMENTATION - DESIGN - 2017 SC	01/01/2017 12/31/20	20 -872	0	0	-71	0	-801	0	0	0		0 (
0	93 SWM INA/EA- 2017 SC	01/01/2017 12/31/20	19 -282	0	0	-22	0	-260	0	0	0		0 (
0	94 PUBLIC EDUCATION- 2017 SC	01/01/2017 12/31/20	18 60	0	0	5	0	55	0	0	0		0 (
0	95 SWM CONVEYANCE 2015- 2017 SC	01/01/2017 12/31/20	18 -434	0	0	-35	0	-399	0	0	0		0 (

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/F	Financing		2017					Financ	cing				
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
<u>0</u> WA	S906492 WET WEATHER FLOW MP												
0	96 SWM CONVEYANCE 2016- 2017 SC	01/01/2017 12/31/2018	-2,303	0	0	-185	0	-2,118	0	0	0		0 0
0	97 WATERFRONT MODELLING STUDIES	01/01/2017 12/31/2022	25	0	0	2	0	23	0	0	0		0 0
		Project Sub-total:	6,870	0	0	479	0	6,391	0	0	0		0 0
0 WA	S906495 SEWER ASSET PLANNING												
0	5 SEWER ASSET PLANNING	01/01/2007 12/31/2020	5,016	0	0	403	0	4,613	0	0	0		0 0
0	7 SEWER SYSTEM INSPECTION	01/01/201012/31/2021	8,978	0	0	0	0	8,978	0	0	0		0 0
0	21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014 12/31/2017	225	0	0	0	0	225	0	0	0		0 0
0	31 SEWER ASSET PLANNING-2017 SC	01/01/2017 12/31/2019	349	0	0	29	0	320	0	0	0		0 0
0	32 SEWER SYSTEM INSPECTION-2017 SC	01/01/2017 12/31/2021	293	0	0	0	0	293	0	0	0		0 0
0	33 PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	01/01/2017 12/31/2018	-75	0	0	0	0	-75	0	0	0		0 0
0	34 CORP IT - IDC	01/01/2017 12/31/2017	147	0	0	0	0	147	0	0	0		0 0
		Project Sub-total:	14,933	0	0	432	0	14,501	0	0	0		0 0
<u>0 WA</u>	S906500 NEW SEWER CONSTRUCTION												
0	5 NEW SEWERS	01/01/200812/31/2017	506	0	0	315	0	191	0	0	0		0 0
0	25 DOWNSVIEW LANDS EXTERNAL UPGRADES	01/01/201512/31/2019	1,495	0	0	1,495	0	0	0	0	0		0 0
0	31 WATERFRONT SANITARY MASTER SERVICING PLAN-20	01701/01/201712/31/2025	500	0	0	250	0	250	0	0	0		0 0
0	33 NEW SEWERS- 2017 SC	01/01/2017 12/31/2018	-491	0	0	-306	0	-185	0	0	0		0 0
0	35 DOWNSVIEW LANDS EXTERNAL UPGRADES- 2017 SC	01/01/2017 12/31/2019	-45	0	0	-45	0	0	0	0	0		0 0
		Project Sub-total:	1,965	0	0	1,709	0	256	0	0	0		0 0
0 WA	S906501 YARD & BUILDING RENOVATION												
0	11 YARDS & BUILDING RENOVATION	01/01/201612/31/2018	2	0	0	0	0	2	0	0	0		0 0
		Project Sub-total:	2	0	0	0	0	2	0	0	0		0 0
0 WA	S906735 DIST SEWER REHAB OPS YR2005												
0	10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005 12/31/2017	6	0	0	0	0	6	0	0	0		0 0
0	18 GROUP 1 SEWAGE PUMPING STATION UPGRADES - 20		-3	0	0	0	0	-3	0	0	0		0 0
-		Project Sub-total:	3	0	0	0	0	3	0	0	0		0 0
0 WA	S906741 HIGHLAND CREEK TP YR2005	•											
0	1 WAS THICKENING AND DEWATERING - ENG	01/01/200512/31/2018	40	0	0	3	0	37	0	0	0		0 0
0	19 WAS THICKENING AND DEWATERING - ENG- 2017 SC	01/01/2017 12/31/2018	-27		0	-2	0	-25	0	0	0		0 0
J	TO THE PROPERTY OF THE PERSON	Project Sub-total:	13	-	0	1	0	12	0	0	0		0 0
0 WA	S906742 HUMBER TP YR2005			<u> </u>		· ·							
<u>U</u> <u>WA</u>	8 ODOUR CONTROL ENGINEERING	01/01/2008 12/31/2019	1,275	0	0	0	0	1,275	0	0	0		0 0
U	O ODOUR CONTROL ENGINEERING	01/01/200012/31/2019	1,2/5	I ³	U	U	0	1,2/5	U	U	U		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/	Financing			2017		16			Financ					
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 WA	.S906742 HUMBER TP YR2005													
0	56 ODOUR CONTROL ENGINEERING-2017 SC	01/01/2017	12/31/2021	-74	0	0	0	0	-74	0	0	0		0 0
		Project Sub	-total:	1,201	0	0	0	0	1,201	0	0	0		0 0
0 WA	S906743 ASHRIDGES BAY TP YR2005													
0	1 MISC MECH ENGINEERING	01/01/2005	12/31/2019	786	0	0	64	0	722	0	0	0		0 0
0	7 SERVICE AIR UPGRADES	01/01/2006	12/31/2019	2,885	0	0	0	0	2,885	0	0	0		0 0
0	59 MISC MECH ENGINEERING- 2017 SC	01/01/2017	12/31/2020	-386	0	0	-32	0	-354	0	0	0		0 0
0	60 SERVICE AIR UPGRADES- 2017 SC	01/01/2017	12/31/2019	-1,785	0	0	0	0	-1,785	0	0	0		0 0
		Project Sub	-total:	1,500	0	0	32	0	1,468	0	0	0		0 0
0 WA	S906755 WESTERN BEACHES RETROFIT	•												
0	1 WESTERN BEACHES RETROFIT	01/01/2005	12/31/2021	4,709	0	0	379	0	4,330	0	0	0		0 0
0	15 WESTERN BEACHES RETROFIT- 2017 SC	01/01/2017		-3,489	0	0	-280	0	-3,209	0	0	0		0 0
Ü	TO WESTERN BENONES NETWORK 2017 CO	Project Sub		1,220	0	0	99	0	1,121	0		0		0 0
0 14/4	SOOSOOS OPEDATIONAL SUPPORT	ojoot oub	totan	1,220					.,					
	S906926 OPERATIONAL SUPPORT	04/04/0000	40/04/0040	4 450	0	0	0	0	4 450	0	0	0		0 0
0	6 FACILITY RENOVATION	01/01/2006			0	0	0	0	1,450 5	0	0	0		0 0 0
0	7 RENOVATION - MERTON STREET	01/01/2012			0	0	0	0			0	0		
0	23 EMP MONITORING NEEDS 40 PCS UPGRADES FOR WASTEWATER TREATMENT	01/01/2010 01/01/2013		95 4,119	0	0	0	0	95 4.119	0	0	0		0 0
0	98 DESIGNATED SUBSTANCE ABATEMENT	01/01/2013		,	0	0	0	0	100	0	0	0		0 0
0	100 DIVISIONAL SECURITY	01/01/2007		1,025	0	0	0	0	1,025	0	0	0		0 0
0	105 BACKUP POWER - FINCH AND DEE	01/01/2010		500	0	0	0	0	500	0	0	0		0 0
0	107 OFFICE MODERNIZATION - MH18	01/01/2017			0	0	0	0	625	0	0	0		0 0
0	109 FACILITY RENOVATION - WITTO	01/01/2017			0	0	0	0	-700	0	0	0		0 0
0	111 DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	01/01/2017			0	0	0	0	-100	0	0	0		0 0
0	112 EMP MONITORING NEEDS- 2017 SC	01/01/2017			0	0	0	0	-45	0	0	0		0 0
0	113 PCS UPGRADES FOR WASTEWATER TREATMENT- 20			91	0	0	0	0	91	0	0	0		0 0
0	114 DISTRICT OPERATIONS FACILITY UPGRADES	01/01/2017		250	0	0	0	0	250	0	0	0		0 0
Ü	The first of the mone modern of ordinate	Project Sub		7,415	0	0	0	0	7.415	0	0	0		0 0
0 14/4	COCCES CEWED SYSTEM DELIABILITATION	i rojeot oub	totai.	7,110					7,110					
	S906958 SEWER SYSTEM REHABILITATION	NDE 504 /04 /0005	40/04/0047	40	0	0	4	0	0	0	0	0		0 0
0	2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRA			10	0	0	1	0	9	0	0	0		0 0
0	5 CCTV INSPECTION	01/01/2007		59	0	0	0 4E	0	59 516	0	0	0		0 0
0	8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008		561	0		45	0	516	0	0	0		0 0
Ü	9 SEWER REHABILITATION	01/01/2008			_	0	0	0	9,700	0	0	0		0 0
0	23 SEWAGE PUMPING STATION STANDBY POWER	01/01/2009	12/31/2017	163	U	0	13	0	150	0	0	0		0 0

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

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/F	inancing		2017					Financ					
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 WA	S906958 SEWER SYSTEM REHABILITATION												
0	24 GROUP 5 SEWAGE PUMPING STATION UPGRADES	01/01/201312/31/2021	7,708	0	0	621	0	7,087	0	0	0		0 0
0	79 SEWER REHABILITATION - CWD	01/01/2016 12/31/2018	34,274	0	0	2,341	0	31,933	0	0	0		0 0
0	81 CCTV INSPECTION-2017 SC	01/01/2017 12/31/2018	1,141	0	0	0	0	1,141	0	0	0		0 0
0	82 SEWER REHABILITATION-2017 SC	01/01/2017 12/31/2020	14,453	0	0	0	0	14,453	0	0	0		0 0
0	83 SEWER REHABILITATION - CWD-2017 SC	01/01/2017 12/31/2023	4,258	0	0	-2,341	0	6,599	0	0	0		0 (
0	86 SEWAGE PUMPING STATION STANDBY POWER - 2017	SC 01/01/2017 12/31/2018	-144	0	0	-11	0	-133	0	0	0		0 (
0	88 SPS SCADA UPGRADES - ENGINEERING- 2017 SC	01/01/2017 12/31/2018	-173	0	0	-14	0	-159	0	0	0		0 0
0	89 GROUP 5 SEWAGE PUMPING STATION UPGRADES- 20	17 (01/01/2017 12/31/2021	-4,308	0	0	-347	0	-3,961	0	0	0		0 (
		Project Sub-total:	67,702	0	0	308	0	67,394	0	0	0		0 0
0 WA	S906960 STREAM RESTORATION & EROSION CONTROL												
0	1 HIGHLAND CREEK STREAM RESTORATION	01/01/2006 12/31/2017	42	0	0	3	0	39	0	0	0		0 (
0	7 STREAM RESTORATION	01/01/2008 12/31/2021	7,871	0	0	633	0	7,238	0	0	0		0 (
0	39 STREAM RESTORATION - PHASE 2	01/01/2016 12/31/2025	2,850	0	0	229	0	2,621	0	0	0		0 (
0	41 WATERCOURSE - ENGINEERING	01/01/2017 12/31/2026	100	0	0	8	0	92	0	0	0		0
0	43 PARTNER PROJECTS	01/01/2017 12/31/2021	1,000	0	0	81	0	919	0	0	0		0 (
0	48 STREAM RESTORATION - 2017 SC	01/01/2017 12/31/2021	-5,065	0	0	-407	0	-4,658	0	0	0		0 (
0	49 STREAM RESTORATION - PHASE 2 - 2017 SC	01/01/2017 12/31/2025	-2,850	0	0	-229	0	-2,621	0	0	0		0 (
0	50 HIGHLAND CREEK STREAM RESTORATION- 2017 SC	01/01/2017 12/31/2017	3	0	0	1	0	2	0	0	0		0 (
0	51 STUDIES, EAs, MASTER PLANS	01/01/2017 12/31/2022	910	0	0	73	0	837	0	0	0		0 (
0	52 CRITICAL REPAIRS	01/01/2017 12/31/2024	825	0	0	66	0	759	0	0	0		0 0
0	53 EMERGENCY EROSION CONTROL	01/01/2017 12/31/2022	300	0	0	24	0	276	0	0	0		0 0
		Project Sub-total:	5,986	0	0	482	0	5,504	0	0	0		0 0
0 WA	S906966 SWM TRCA FUNDING												
0	23 TORONTO WATER TRANSFER TO TRCA CAPITAL-2017	SC 01/01/2017 12/31/2017	4,275	0	0	344	0	3,931	0	0	0		0 0
		Project Sub-total:	4,275	0	0	344	0	3,931	0	0	0		0 0
0 WA	S906968 ENGINEERING												
0	2 CONSULTING FEES	01/01/2006 12/31/2021	13,978	0	0	0	0	13,978	0	0	0		0 (
0	59 ROAD RESTORATION	01/01/2006 12/31/2017	1,838	0	0	0	0	1,838	0	0	0		0 (
0	64 CONSULTING FEES	01/01/2017 12/31/2026		0	0	0	0	-2,100	0	0	0		0 (
0	65 ECS SALARIES	01/01/2017 12/31/2017	13,936	0	0	0	0	13,936	0	0	0		0 (
0	66 ROAD RESTORATION- 2017 SC	01/01/2017 12/31/2018		0	0	0	0	-1,038	0	0	0		0 (
		Project Sub-total:	26,614	0	0	0	0	26,614	0	0			0 (
0 WA	S906973 SEWER REPLACEMENT PROGRAM	•											
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Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/l	Financing		2017					Financ					
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 WA	SEWER REPLACEMENT PROGRAM												
0	24 FORCEMAIN REPLACEMENT	01/01/2012 12/31/2017	10	0	0	0	0	10	0	0	0		0 0
0	25 2012 SEWER REPLC	01/01/2012 12/31/2017	415	0	0	0	0	415	0	0	0		0 0
0	35 2013 SEWER REPLC	01/01/2013 12/31/2017	1	0	0	0	0	1	0	0	0		0 0
0	36 SEWER REPLC - 2014 PROGRAM	01/01/2014 12/31/2017	631	0	0	2	0	629	0	0	0		0 0
0	46 EBF REPORT	01/01/2013 12/31/2017	41	0	0	27	0	14	0	0	0		0 0
0	52 SEWER REPLACEMENT - METROLINX	01/01/2014 12/31/2019	1,951	0	0	0	0	1,951	0	0	0		0 0
0	55 SEWER REPLACEMENT - LESLIE ST 2017 SC	01/01/2016 12/31/2017	147	0	0	12	0	135	0	0	0		0 0
0	62 SEWER REPLC - 2015 PROGRAM	01/01/2015 12/31/2018	1,511	0	0	122	0	1,389	0	0	0		0 0
0	71 SEWER REPLC - 2016 PROGRAM	01/01/2016 12/31/2018	10,222	0	0	823	0	9,399	0	0	0		0 0
0	75 FORCEMAIN REPLACEMENT - 2016	01/01/2016 12/31/2021	3,475	0	0	0	0	3,475	0	0	0		0 0
0	78 SEWER REPLC - 2017 PROGRAM	01/01/2017 12/31/2019	4,898	0	0	394	0	4,504	0	0	0		0 0
0	81 SEWER REPLC - 2014 PROGRAM - 2017 SC	01/01/2017 12/31/2018	-607	0	0	0	0	-607	0	0	0		0 0
0	82 SEWER REPLACEMENT - METROLINX - 2017 SC	01/01/2017 12/31/2021	-1,759	0	0	0	0	-1,759	0	0	0		0 0
0	83 FORCEMAIN REPLACEMENT- 2017 SC	01/01/2017 12/31/2018	-5	0	0	0	0	-5	0	0	0		0 0
0	84 2012 SEWER REPLC- 2017 SC	01/01/2017 12/31/2018	-393	0	0	0	0	-393	0	0	0		0 0
0	85 EBF REPORT- 2017 SC	01/01/2017 12/31/2017	959	0	0	627	0	332	0	0	0		0 0
0	86 EBF REPORT- 2017 SC	01/01/2017 12/31/2017	4,442	0	0	2,905	0	1,537	0	0	0		0 0
0	87 SEWER REPLC - 2015 PROGRAM- 2017 SC	01/01/2017 12/31/2018	314	0	0	25	0	289	0	0	0		0 0
0	88 SEWER REPLC - 2016 PROGRAM- 2017 SC	01/01/2017 12/31/2018	-4,021	0	0	-324	0	-3,697	0	0	0		0 0
0	89 FORCEMAIN REPLACEMENT - 2016- 2017 SC	01/01/2017 12/31/2021	-3,100	0	0	0	0	-3,100	0	0	0		0 0
		Project Sub-total:	19,132	0	0	4,613	0	14,519	0	0	0		0 0
0 WA	AS906980 ASHBRIDGES BAY T.P. YR2006												
0	9 DEWATERING EQUIPMENT UPGRADES	01/01/2006 12/31/2017	1,248	0	0	100	0	1,148	0	0	0		0 0
0	42 DEWATERING EQUIPMENT UPGRADES- 2017 SC	01/01/2017 12/31/2017	-1,248	0	0	-100	0	-1,148	0	0	0		0 0
		Project Sub-total:	0	0	0	0	0	0	0	0	0		0 0
0 WA	AS906981 HIGHLAND CREEK WWTP UPGRADES	j											
0	1 PROCESS & FACILITY UPGRADE	01/01/200612/31/2022	2,970	0	0	0	0	2,970	0	0	0		0 0
0	3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006 12/31/2020	10,075	0	0	816	0	9,259	0	0	0		0 0
0	5 TRANSFORMERS AND SWITCHGEAR	01/01/2006 12/31/2018	510	0	0	41	0	469	0	0	0		0 0
0	7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/200612/31/2017	671	0	0	0	0	671	0	0	0		0 0
0	8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011 12/31/2019	9,238	0	0	0	0	9,238	0	0	0		0 0
0	23 ELECTRICAL UPGRADES - ECAR	01/01/201212/31/2020	1,117	0	0	0	0	1,117	0	0	0		0 0
0	31 ELEC SYSTEM UPGRADES - CONSTR	01/01/2009 12/31/2017	390		0	0	0	390	0	0	0		0 0
0	32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/200912/31/2018			0	0	0	998	0	0	0		0 0

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



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Appendix 5: 2017 Capital Projects with Financing Detail

Project/F	Financing		J	2017					Financ	cing				
Priority	•	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 WA	S906981 HIGHLAND CREEK WWTP UPGRADES													
0	80 DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	01/01/20141	2/31/2020	250	0	0	0	0	250	0	0	0		0 0
0	90 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/20151	2/31/2017	245	0	0	0	0	245	0	0	0		0 0
0	91 PROCESS, EQUIPMENT, FACILITY UPGRADES	01/01/20151	2/31/2017	1,240	0	0	0	0	1,240	0	0	0		0 0
0	92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/20151	2/31/2019	5,851	0	0	0	0	5,851	0	0	0		0 0
0	101 AERATION SYSTEM AND ASSOCIATED BUILDING UPGRAD	01/01/20161	2/31/2021	10,090	0	0	0	0	10,090	0	0	0		0 0
0	102 LIQUID TRAIN - ENGINEERING	01/01/20151	2/31/2025	8,100	0	0	0	0	8,100	0	0	0		0 0
0	123 COMMUNICATION SYSTEM	01/01/20161	2/31/2021	400	0	0	0	0	400	0	0	0		0 0
0	124 BIOSOLIDS TREATMENT UPGRADES -2017 SC	01/01/20171	2/31/2020	-4,575	0	0	-371	0	-4,204	0	0	0		0 0
0	125 TRANSFORMERS AND SWITCHGEAR-2017 SC	01/01/20171	2/31/2020	-500	0	0	-40	0	-460	0	0	0		0 0
0	126 ELEC SYSTEM UPGRADES - CONSTR-2017 SC	01/01/20171	2/31/2017	-350	0	0	0	0	-350	0	0	0		0 0
0	127 CEPA COMPLIANCE - CL NOTICE - HCTP-2017 SC	01/01/20171	2/31/2022	-498	0	0	0	0	-498	0	0	0		0 0
0	128 DIGESTER GAS SYSTEM UPGRADES-2017 SC	01/01/20171	2/31/2020	-4,138	0	0	0	0	-4,138	0	0	0		0 0
0	129 LIQUID TRAIN - ENGINEERING-2017 SC	01/01/20171	2/31/2026	-6,000	0	0	0	0	-6,000	0	0	0		0 0
0	130 LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	01/01/20171	2/31/2021	-5,001	0	0	0	0	-5,001	0	0	0		0 0
0	131 AERATION SYSTEM&ASSOCIATED BLDG UPGRADES -201	01/01/2017 1	2/31/2021	-8,090	0	0	0	0	-8,090	0	0	0		0 0
0	132 PROCESS & FACILITY UPGRADE- 2017 SC	01/01/2017 1	2/31/2021	-1,912	0	0	0	0	-1,912	0	0	0		0 0
0	133 MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	01/01/2017 1	2/31/2018	-357	0	0	0	0	-357	0	0	0		0 0
0	134 ELECTRICAL UPGRADES - ECAR- 2017 SC	01/01/20171	2/31/2020	-634	0	0	0	0	-634	0	0	0		0 0
0	136 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 S	01/01/2017 1	2/31/2019	-195	0	0	0	0	-195	0	0	0		0 0
0	137 PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	01/01/20171	2/31/2017	-1,240	0	0	0	0	-1,240	0	0	0		0 0
0	138 COMMUNICATION SYSTEM- 2017 SC	01/01/2017 1	2/31/2022	-300	0	0	0	0	-300	0	0	0		0 0
	Pi	oject Sub-	total:	18,355	0	0	446	0	17,909	0	0	0		0 0
<u>0</u> WA	S906982 HUMBER WWTP UPGRADES													
0	2 CHLORINE FACILITY UPGRADE	01/01/20061	2/31/2017	451	0	0	0	0	451	0	0	0		0 0
0	5 FLOOD PROTECTION	01/01/20161	2/31/2017	180	0	0	0	0	180	0	0	0		0 0
0	6 NEW SUBSTATION	01/01/20061	2/31/2018	42	0	0	0	0	42	0	0	0		0 0
0	7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDATION	01/01/20061	2/31/2021	2,885	0	0	0	0	2,885	0	0	0		0 0
0	29 ADMIN BUILDING EXPANSION - ENGINEERING	01/01/20101	2/31/2021	670	0	0	0	0	670	0	0	0		0 0
0	52 HVAC UPGRADES	01/01/20131	2/31/2019	7,390	0	0	0	0	7,390	0	0	0		0 0
0	81 BLOWER REPLACEMENT	01/01/20161	2/31/2024	475	0	0	0	0	475	0	0	0		0 0
0	95 REPLACEMENT OF WASTE GAS BURNERS	01/01/20161	2/31/2017	1,509	0	0	0	0	1,509	0	0	0		0 0
0	99 WET WEATHER FLOW	01/01/20161	2/31/2019	2,315	0	0	0	0	2,315	0	0	0		0 0
0	101 FLOOD PROTECTION-2017 SC	01/01/2017 1	2/31/2017	20	0	0	0	0	20	0	0	0		0 0
0	102 HVAC UPGRADES-2017 SC	01/01/2017 1	2/31/2021	-2,598	0	0	0	0	-2,598	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/	Financing			2017					Financ	ing				
Priority	•	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 WA	S906982 HUMBER WWTP UPGRADES													
0	103 BLOWER REPLACEMENT-2017 SC	01/01/2017	12/31/2018	-225	0	0	0	0	-225	0	0	0		0 0
0	104 REPLACEMENT OF WASTE GAS BURNERS-2017 SC	01/01/2017	12/31/2022	-1,159	0	0	0	0	-1,159	0	0	0		0 0
0	105 WET WEATHER FLOW-2017 SC	01/01/2017	12/31/2020	-1,715	0	0	0	0	-1,715	0	0	0		0 0
0	107 MESI UPGRADES	01/01/2017	12/31/2021	500	0	0	0	0	500	0	0	0		0 0
0	108 BUILDING UPGRADES ENGINEERING- 2017 SC	01/01/2017	12/31/2018	30	0	0	0	0	30	0	0	0		0 0
0	109 CHLORINE FACILITY UPGRADE- 2017 SC	01/01/2017	12/31/2018	-390	0	0	0	0	-390	0	0	0		0 0
0	110 ELECTRICAL CONDITION ASSESSMENT RECOM- 2017 SC	01/01/2017	12/31/2019	-1,232	0	0	0	0	-1,232	0	0	0		0 0
0	111 NEW SUBSTATION- 2017 SC	01/01/2017	12/31/2017	-4	0	0	0	0	-4	0	0	0		0 0
0	112 NEW GROUNDSKEEPING BUILDING- 2017 SC	01/01/2017	12/31/2017	17	0	0	0	0	17	0	0	0		0 0
0	113 ADMIN BUILDING EXPANSION - ENGINEERING- 2017 SC	01/01/2017	12/31/2022	-387	0	0	0	0	-387	0	0	0		0 0
0	114 FIELD OFFICE- 2017 SC	01/01/2017	12/31/2017	322	0	0	0	0	322	0	0	0		0 0
0	116 SERVICE REHAB AND UPGRADES	01/01/2017	12/31/2022	500	0	0	0	0	500	0	0	0		0 0
	P	roject Sub	-total:	9,596	0	0	0	0	9,596	0	0	0		0 0
0 WA	S906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	;												
0	1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2012	12/31/2023	3,029	0	0	244	0	2,785	0	0	0		0 0
0	3 WAS THICKENING - CONSTR	01/01/2010	12/31/2017	102	0	0	8	0	94	0	0	0		0 0
0	17 WAS THICKENING - CONSTR-2017 SC	01/01/2017	12/31/2018	-52	0	0	-4	0	-48	0	0	0		0 0
0	18 HCTP BMP IMPLEMENTATION-2017 SC	01/01/2017	12/31/2026	-2,929	0	0	-236	0	-2,693	0	0	0		0 0
	P	roject Sub	-total:	150	0	0	12	0	138	0	0	0		0 0
0 WA	AS907038 Land Acquisition for Source Water Protect													
0	14 TRCA - SCARBOROUGH WATERFRONT TRAIL EA	01/01/2016	12/31/2017	85	0	0	7	0	78	0	0	0		0 0
0	25 TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/2016	12/31/2018	1,385	0	0	47	0	1,338	0	0	0		0 0
0	27 TRCA - CRITICAL EROSION SITES-2017 SC	01/01/2017	12/31/2017	8,000	0	0	644	0	7,356	0	0	0		0 0
0	28 TRCA - SCARBOROUGH WATERFRONT WEST EA - 2017 S	(01/01/2017	12/31/2019	-385	0	0	33	0	-418	0	0	0		0 0
		roject Sub		9,085	0	0	731	0	8,354	0	0	0		0 0
0 WA	S907097 ASHBRIDGES BAY WWTP - BUILDING SERVICES & SI	TE DE												
0	7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM		12/31/2017	100	0	0	0	0	100	0	0	0		0 0
0	19 BIO GAS UTILIZATION	01/01/2009		1,035	0	0	0	0	1,035	0	0	0		0 0
0	21 BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEME			850	0	0	0	0	850	0	0	0		0 0
0	62 BIO GAS UTILIZATION-2017 SC	01/01/2017		-835	0	0	0	0	-835	0	0	0		0 0
0	63 BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 S	Si01/01/2017	12/31/2023	-400	0	0	0	0	-400	0	0	0		0 0
0	64 GROVE LANDSCAPING - PHASE 1	01/01/2017		790	0	0	0	0	790	0	0	0		0 0
	n	roject Sub	total:	1.540	0	0	0	0	1.540	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/l	Financing			2017					Financ					
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
<u>0</u> WA	S907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM													
0	1 DISINFECTION ENGINEERING	01/01/2009	12/31/2021	4,184	0	0	337	0	3,847	0	0	0		0 0
0	13 OUTFALL ASSESSMENT	01/01/2012	12/31/2017	940	0	0	94	0	846	0	0	0		0 0
0	14 OUTFALL ENGINEERING	01/01/2015	12/31/2024	8,710	0	0	701	0	8,009	0	0	0		0 0
0	15 DISINFECTION SYSTEM CONSTRUCTION	01/01/2017	12/31/2020	100	0	0	8	0	92	0	0	0		0 0
0	28 DISINFECTION ENGINEERING-2017 SC	01/01/2017	12/31/2022	-3,174	0	0	-256	0	-2,918	0	0	0		0 0
0	29 OUTFALL ASSESSMENT - 2017 SC	01/01/2017	12/31/2017	-940	0	0	-94	0	-846	0	0	0		0 0
0	30 OUTFALL ENGINEERING- 2017 SC	01/01/2017	12/31/2026	-4,810	0	0	-387	0	-4,423	0	0	0		0 0
0	31 OUTFALL - SITE PREP	01/01/2017	12/31/2018	50	0	0	4	0	46	0	0	0		0 0
	F	Project Sub	-total:	5,060	0	0	407	0	4,653	0	0	0		0 0
0 WA	.S907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	NDLIN												
0	1 FINE BUBBLE AERATION - TANK #2	01/01/2009	12/31/2017	510	0	0	42	0	468	0	0	0		0 0
0	3 P BLDG HEADWORKS UPGRADE	01/01/2010	12/31/2018	40,035	0	0	3,222	0	36,813	0	0	0		0 0
0	6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014	12/31/2017	5,399	0	0	0	0	5,399	0	0	0		0 0
0	10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011	12/31/2024	6,740	0	0	0	0	6,740	0	0	0		0 0
0	12 WORK AREA 1 REHAB	01/01/2008	12/31/2017	3	0	0	0	0	3	0	0	0		0 0
0	71 INTEGRATED PUMPING STATION (IPS) - ENG-2017 SC	01/01/2017	12/31/2026	-1,310	0	0	0	0	-1,310	0	0	0		0 0
0	72 P BLDG HEADWORKS UPGRADE-2017 SC	01/01/2017	12/31/2019	-25,010	0	0	-2,013	0	-22,997	0	0	0		0 0
0	73 INTEGRATED PUMPING STATION (IPS) - CONST-2017 SC	01/01/2017	12/31/2026	250	0	0	0	0	250	0	0	0		0 0
0	74 FINE BUBBLE AERATION - TANK #2 - 2017 SC	01/01/2017	12/31/2018	-500	0	0	-41	0	-459	0	0	0		0 0
0	75 WORK AREA 1 REHAB- 2017 SC	01/01/2017	12/31/2018	-3	0	0	0	0	-3	0	0	0		0 0
0	76 M & T PUMPING STATION CRITICAL REPAIRS- 2017 SC	01/01/2017	12/31/2018	-2,221	0	0	0	0	-2,221	0	0	0		0 0
0	77 FINE BUBBLE AERATION - ENGINEERING	01/01/2017	12/31/2025	50	0	0	4	0	46	0	0	0		0 0
	F	Project Sub	-total:	23,943	0	0	1,214	0	22,729	0	0	0		0 0
0 WA	S907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	<u> </u>												
0	3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2014	12/31/2023	3,500	0	0	282	0	3,218	0	0	0		0 0
0	4 DIGESTERS 9-12 REFURBISH	01/01/2011	12/31/2023	10,820	0	0	870	0	9,950	0	0	0		0 0
0	8 BIOSOLIDS PELLETIZER RETROFIT	01/01/2013	12/31/2017	400	0	0	0	0	400	0	0	0		0 0
0	22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	N01/01/2017	12/31/2023	1,000	0	0	80	0	920	0	0	0		0 0
0	25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/2014	12/31/2019	967	0	0	0	0	967	0	0	0		0 0
0	46 DIGESTERS 9-12 REFURBISH - 2017 SC	01/01/2017	12/31/2021	-6,470	0	0	-520	0	-5,950	0	0	0		0 0
0	47 WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	01/01/2017	12/31/2024	-1,843	0	0	-149	0	-1,694	0	0	0		0 0
0	48 PELLETIZER TRUCK LOADING FACILITY UPGRADES-2017	7 01/01/2017	12/31/2019	-480	0	0	0	0	-480	0	0	0		0 0
	F	Project Sub	-total:	7,894	0	0	563	0	7,331	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/Fi Priority P	•								ing				
		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 WAS	907101 ASHBRIDGES BAY WWTP - O&M UPGRADES												
0	5 BOILER #4 DESIGN	01/01/201012/31/2018	47	0	0	0	0	47	0	0	0		0 0
0	6 MESI UPGRADES	01/01/201212/31/2019	3,448	0	0	0	0	3,448	0	0	0		0 0
0	7 MISC MECH REHAB	01/01/201012/31/2018	8,120	0	0	0	0	8,120	0	0	0		0 0
0	32 MISC MECH REHAB- 2017 SC	01/01/2017 12/31/2018	-3,120	0	0	0	0	-3,120	0	0	0		0 0
0	33 BOILER #4 DESIGN- 2017 SC	01/01/2017 12/31/2019	63	0	0	0	0	63	0	0	0		0 0
0	34 MESI UPGRADES- 2017 SC	01/01/2017 12/31/2017	-463	0	0	0	0	-463	0	0	0		0 0
		Project Sub-total:	8,095	0	0	0	0	8,095	0	0	0		0 0
0 WAS	9907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL	Ī											
0	6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/201212/31/2018	10,098	0	0	813	0	9,285	0	0	0		0 0
0	13 D BUILDING TREATMENT & BIOFILTER	01/01/2009 12/31/2017	992	0	0	80	0	912	0	0	0		0 0
0	38 D BUILDING TREATMENT & BIOFILTER- 2017 SC	01/01/2017 12/31/2018	-98	0	0	-8	0	-90	0	0	0		0 0
0	39 BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	01/01/2017 12/31/2019	-3,598	0	0	-290	0	-3,308	0	0	0		0 0
		Project Sub-total:	7,394	0	0	595	0	6,799	0	0	0		0 0
0 WAS	907104 HUMBER WWTP - LIQUID TREATMENT & HANDLIN	G Î											
0	2 SECONDARY TREATMENT UPGRADES - SOUTH - ENG		3,811	0	0	307	0	3,504	0	0	0		0 0
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CON		45,000	0	0	3,623	0	41,377	0	0	0		0 0
0	24 SECONDARY TREATMENT UPGRADES - SOUTH-CONS	S-20′01/01/2017 12/31/2022	-11,500	0	0	-925	0	-10,575	0	0	0		0 0
0	25 SECONDARY TREATMENT UPGRADES - SOUTH - ENG	20101/01/2017 12/31/2025	1,069	0	0	85	0	984	0	0	0		0 0
		Project Sub-total:	38,380	0	0	3,090	0	35,290	0	0	0		0 0
0 WAS	9907105 HUMBER WWTP - O&M UPGRADES												
0	1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008 12/31/2017	3,723	0	0	0	0	3,723	0	0	0		0 0
0	2 LIQUID STREAM UPGRADES	01/01/201012/31/2017	316	0	0	25	0	291	0	0	0		0 0
0	31 GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	01/01/2017 12/31/2019	219	0	0	0	0	219	0	0	0		0 0
0	32 LIQUID STREAM UPGRADES- 2017 SC	01/01/2017 12/31/2017	-316	0	0	-25	0	-291	0	0	0		0 0
		Project Sub-total:	3,942	0	0	0	0	3,942	0	0	0		0 0
0 WAS	9907106 HUMBER WWTP - ODOUR CONTROL	Ī											
0	1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/201312/31/2017	8,632	0	0	694	0	7,938	0	0	0		0 0
0	13 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017		-2,377	0	0	-191	0	-2,186	0	0	0		0 0
O	13 ODGON GONTNOL IVIII ELIMENTATION - I TIAGE 1 2017	Project Sub-total:	6,255	0	0	503	0	5.752	0	0	0		0 0
0 14/40	2007004 CEWACE BUINDING CTATION UPODADES		0,200					0,702					
	3907224 SEWAGE PUMPING STATION UPGRADES	04/04/0044 40/04/0047	0.500	0		000	•	0.004	•	^	•		0 0
0	1 SPS UPGRADES	01/01/2011 12/31/2017	2,593	0	0	209	0	2,384	0	0	0		0 0
0	18 SPS UPGRADES - GROUP 6	01/01/2016 12/31/2024	621		0	50	0	571	0	0	0		0 0
0	29 SPS UPGRADES-2017 SC	01/01/2017 12/31/2019	-203	0	0	-17	0	-186	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Project/I	- Financing		2017					Financ	cing				
Priority	•	Start Date Completion Date		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	S907224 SEWAGE PUMPING STATION UPGRADES				·								
0	30 SUNNYSIDE SPS REHAB- 2017 SC	01/01/2017 12/31/2017	688	0	0	55	0	633	0	0	0		0 0
0	31 SPS UPGRADES - GROUP 6- 2017 SC	01/01/2017 12/31/2023	-321	0	0	-26	0	-295	0	0	0		0 0
		Project Sub-total:	3,378	0	0	271	0	3,107	0	0	0		0 0
<u>0</u> WA	S907559 DON & WATERFRONT TRUNK CSO												
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/201312/31/2024	7,933	0	0	638	0	7,295	0	0	0		0 0
0	16 Don&Waterfront Trunk/CSO Design 2017 SC	01/01/2017 12/31/2024	-3,733	0	0	-300	0	-3,433	0	0	0		0 0
0	17 DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LES	SLIE 01/01/2017 12/31/2023	200	0	0	16	0	184	0	0	0		0 0
		Project Sub-total:	4,400	0	0	354	0	4,046	0	0	0		0 0
<u>0</u> WA	S907700 NORTH TORONTO WTP UPGRADES												
0	2 NTTP - ELECTRICAL UPGRADES - ECAR	01/01/201212/31/2019	1,207	0	0	0	0	1,207	0	0	0		0 0
0	10 OPS INTERFACE NTTP	01/01/2017 12/31/2018	200	0	0	0	0	200	0	0	0		0 0
0	11 NTTP - PROCESS IMPROVEMENTS	01/01/2017 12/31/2021	420	0	0	0	0	420	0	0	0		0 0
0	12 NTTP - ELECTRICAL UPGRADES - ECAR- 2017 SC	01/01/2017 12/31/2020	-886	0	0	0	0	-886	0	0	0		0 0
		Project Sub-total:	941	0	0	0	0	941	0	0	0		0 0
0 <u>WA</u>	S908143 Georgetown South City Infrastructure Upgrades												
0	1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGI	RAD 01/01/2015 12/31/2019	6,189	0	0	0	0	6,189	0	0	0		0 0
0	7 GEORGETOWN SOUTH CITY INFRASTRUCTURE - 201	7 SC01/01/2017 12/31/2017	-509	0	0	0	0	-509	0	0	0		0 0
		Project Sub-total:	5,680	0	0	0	0	5,680	0	0	0		0 0
0 <u>WA</u>	SWP003 EMERY CREEK POND												
0	1 EMERY CREEK POND	01/01/2005 12/31/2018	5,793	0	0	466	0	5,327	0	0	0		0 0
0	15 EMERY CREEK POND- 2017 SC	01/01/2017 12/31/2020	-820	0	0	-66	0	-754	0	0	0		0 0
		Project Sub-total:	4,973	0	0	400	0	4,573	0	0	0		0 0
0 WA	SWP050 EQUIPMENT REPLACEMENT & REHABILITATION												
0	78 EQUIPMENT REPLACEMENT	01/01/201212/31/2019	5,580	0	0	0	0	5,580	0	0	0		0 0
0	117 REHAB OF SOUTH PRIMARY CLARIFIERS	01/01/2005 12/31/2017	124	0	0	0	0	124	0	0	0		0 0
0	132 EQUIPMENT REPLACEMENT-2017 SC	01/01/2017 12/31/2020	-2,514	0	0	0	0	-2,514	0	0	0		0 0
0	133 REHAB OF SOUTH PRIMARY CLARIFIERS- 2017 SC	01/01/2017 12/31/2017	-124	0	0	0	0	-124	0	0	0		0 0
		Project Sub-total:	3,066	0	0	0	0	3,066	0	0	0		0 0
Progran	n Total:		466,912	0	0	19,058	0	447,854	0	0	0		0 0

Status Code Description

S3 Prior Year - Change of Scope 2017 and\or Future Year Cost\Cashflow)

S4 New - Stand-Alone Project (Current Year Only) S5 New (On-going or Phased Projects) S4

S5

Category Code Description
01 Health and Safety C01

02 03

Legislated C02 State of Good Repair C03

Service Improvement and Enhancement C04 Growth Related C05 04 05

Reserved Category 1 C06 Reserved Category 2 C07 06 07

Appendix 6

Reserve / Reserve Fund Review

Table 11: Reserve / Reserve Fund - Program Specific

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					(क्र	<i>j</i> uus <i>j</i>							
Tak	le 1						Contr	ibutions / (With	ndrawals)				
	Project / SubProject Name and Number	Projected Balance as at Dec. 31, 2016*	2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2017 - 2026 Total Contributions / (Withdrawals)
	Beginning Balance	\$90,687	\$99,350	\$103,218	\$99,272	\$95,415	\$90,531	\$87,993	\$84,931	\$72,348	\$50,545	\$31,830	
Water DC Reserve Fund	HORGAN W.T.P. EXPANSION		(\$24)	(\$24)				(\$13)					(\$61)
	WATER STORAGE EXPANSION		(\$22)	(\$15)									(\$37)
XR2111 DC - Water (2009)	WATER EFFICIENCY PROGRAM		(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$5,200)
	A VENUE ROAD TRUNKMAIN REPLACEMENT		(\$162)	(\$252)									(\$414)
	HORGAN TRUNK MAIN EXPANSION			(\$323)	(\$266)	(\$627)	(\$4,030)	(\$4,023)	(\$721)	(\$236)	(\$8)		(\$10,234)
	ISLAND W.T.P. R&R		(\$669)	(\$72)	(\$243)	(\$851)	(\$851)	(\$365)					(\$3,051)
	DISTRICT WATERMAINS - NEW		(\$15)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$4,515)
	PW ENGINEERING		(\$762)	(\$1,103)	(\$823)	(\$757)	(\$683)	(\$644)	(\$594)	(\$369)	(\$244)	(\$119)	(\$6,098)
	DOWNTOWN W/M ENHANCEMENT		(\$3)	(\$2)									(\$5)
	TRUNK WATERMAIN EXPANSION		(\$1,150)	(\$5,994)	(\$5,929)	(\$3,921)	(\$5)						(\$16,999)
	WATER SUSTAINABILITY PROGRAM		(\$526)	(\$578)	(\$626)	(\$109)	(\$1)	(\$1)					(\$1,841)
	RL CLARK W.T.P. R&R		(\$619)	(\$749)	(\$640)	(\$270)	(\$4)	(\$2)					(\$2,284)
	DIST W/M REPLACEMENT		(\$16,382)	(\$17,653)	(\$18,976)	(\$21,322)	(\$20,097)	(\$20,159)	(\$20,221)	(\$20,221)	(\$20,532)	(\$20,532)	(\$196,095)
	ISLAND W.T.P. R&R			(\$3)									(\$3)
	D2/D4 TRUNK WATERMAIN UPGRADES					(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)		(\$27,415)
	BAYVIEW TRUNK WATERMAIN - PH2				(\$249)	(\$311)	(\$249)	(\$467)	(\$6,813)	(\$19,194)	(\$18,945)	(\$18,945)	(\$65,173)
	REGENT PARK CAPITAL												
	CONTRIBUTION		(\$812)	(\$1,909)	(\$864)	(\$1,398)	(\$812)	(\$33)	(\$73)	(\$40)	(0000)		(\$5,941)
	WT&S PLANTWIDE		(\$45)	(\$252)	(\$574)	(\$681)	(\$1,292)	(\$600)	(\$731)	(\$306)	(\$660)	(\$672)	(\$5,813)
	Total Withdrawals (-)	(\$15,698)	(\$21,711)	(\$29,949)	(\$30,210)	(\$31,411)	(\$29,333)	(\$30,021)	(\$40,081)	(\$49,851)	(\$47,324)	(\$41,288)	(\$351,179)
	Total Contributions	\$24,361	\$25,579	\$26,003	\$26,353	\$26,527	\$26,795	\$26,959	\$27,498	\$28,048	\$28,609	\$29,182	\$271,553
Total Reserve Fund Balance at	Year-End	\$99,350	\$103,218	\$99,272	\$95,415	\$90,531	\$87,993	\$84,931	\$72,348	\$50,545	\$31,830	\$19,724	

^{*} Based on the 2016 Q2 Variance Report

Reserve / Reserve Fund Review

Table 11: Reserve / Reserve Fund - Program Specific - Continued

Tal	ble 2	Projected					Contr	ibutions / (Witl	ndrawals)				
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Balance as at Dec. 31, 2016*	2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2017 - 2026 Total Contributions / (Withdrawals)
	Beginning Balance	\$70,371	\$75,860	\$75,880	\$54,975	\$32,911	\$17,992	\$17,873	\$13,515	\$12,881	\$9,312	\$3,620	
Sanitary Sewer DC Reserve Fund	A SHBRIDGES BAY WWTP REHAB		(\$737)	(\$1,073)	(\$866)	(\$20)	(\$4)						(\$2,700)
runu	TRUNK SEWER SYSTEM		(ψ131)	(\$136)	(\$373)	(\$932)	(\$3,153)	(\$8.867)	(\$8,952)	(\$13,869)	(\$13,733)	(\$13,733)	(\$63,748)
XR2026 DC - Sewer (2004)	HIGHLAND CREEK WWTP-			(\$130)	(\$373)	(\$932)	(\$3,133)	(\$0,007)	(\$6,932)	(\$13,009)	(\$13,733)	(\$13,733)	(\$03,746)
XR2026 DC - Sewer (2004)	ODOUR CONTROL		(\$1,126)	(\$694)	(\$534)	(\$545)	(\$44)	(\$285)	(\$496)	(\$463)	(\$235)		(\$4,422)
XR2112 DC - Sewer (2009)	ASHBRIDGES BAY T.P III YR2004		(\$3)	(\$14)									(\$17)
	HUMBER T.P II YR2004			(\$1)									(\$1)
	SEWER ASSET PLANNING		(\$432)	(\$684)	(\$636)	(\$218)	(\$197)	(\$219)	(\$219)	(\$219)	(\$219)	(\$219)	(\$3,262)
	NEW SEWER CONSTRUCTION		(\$1,709)	(\$6,687)	(\$5,067)	(\$3,178)	(\$339)	(\$339)	(\$339)	(\$1,702)	(\$2,519)	(\$2,519)	(\$24,398)
	DIST SEWER REHAB OPS YR2005			(\$1)	(\$6)								(\$7)
	HIGHLAND CREEK TP YR2005		(\$1)	(\$1)	, ,								(\$2)
	ASHRIDGES BAY TP YR2005		(\$32)	(\$32)	(\$39)	(\$6)							(\$109)
	SEWER SYSTEM REHABILITATION		(\$308)	(\$536)	(\$504)	(\$316)	(\$171)						(\$1,835)
	SEWER REPLACEMENT PROGRAM		(\$3,959)	(\$1,191)	(\$549)	(\$685)	(\$658)	(\$658)	(\$658)	(\$658)	(\$658)	(\$658)	(\$10,332)
	A SHBRIDGES BAY T.P. YR2006		(\$0,000)	(Φ1,101)	(\$0.10)	(4000)	(\$000)	(4000)	(\$000)	(4000)	(4000)	(\$000)	(\$10,002)
	HIGHLAND CREEK WWTP												
	UPGRADES		(\$446)	(\$313)	(\$66)	(\$40)							(\$865)
	HIGHLAND CREEK WWTP- SOLIDS & GAS HANDLING		(\$12)	(\$242)	(\$201)	(\$640)	(\$1,274)	(\$1,274)	(\$1,258)	(\$743)	(\$16)	(\$12)	(\$5,672)
	A SHBRIDGES BAY WWTP - EFFLUENT SYSTEM		(\$407)	(\$7,182)	(\$9.112)	(\$7,907)	(\$2,780)	(\$2,926)	(\$2,530)	(\$1,749)	(\$1,613)	(\$5)	(\$36,211)
	A SHBRIDGES BAY WWTP -		,		(1.7.7	, , , , , , , , , , , , , , , , , , ,		(* //	(1, 1,1,1,1)		, , , ,	(1.7)	,
	LIQUID TREATMENT & HANDLING ASHBRIDGES BAY WWTP -		(\$1,214)	(\$1,540)	(\$2,274)	(\$900)	(\$900)	(\$904)	(\$944)	(\$1,530)	(\$2,418)	(\$1,316)	(\$13,940)
	SOLIDS & GAS HANDLING		(\$563)	(\$2,316)	(\$3,381)	(\$3,461)	(\$3,121)	(\$2,206)	(\$1,221)	(\$16)			(\$16,285)
	A SHBRIDGES BAY WWTP - ODOUR CONTROL		(\$595)	(\$245)	(\$8)								(\$848)
	HUMBER WWTP - LIQUID TREATMENT & HANDLING		(\$3,090)	(\$3,121)	(\$2,677)	(\$2,681)	(\$1,955)	(\$1,264)	(\$71)	(\$231)	(\$1,436)	(\$1,536)	(\$18,062)
	HUMBER WWTP - O&M UPGRADES												
	HUMBER WWTP - ODOUR CONTROL		(\$503)	(\$532)									(\$1,035)
	SEWAGE PUMPING STATION UPGRADES		(\$271)	(\$415)	(\$373)	(\$646)	(\$707)	(\$586)	(\$433)	(\$140)	(\$2)	(\$2)	(\$3,575)
	DON & WATERFRONT TRUNK CSO		(\$354)	(\$1,709)	(\$4,184)	(\$5,503)	(\$5,014)	(\$5,152)	(\$4,242)	(\$3,392)	(\$4,409)	(\$5,286)	(\$39,245)
	LAWRENCE ALLAN						(\$5,014)	(40,152)	(\$4,242)	(\$3,392)	(φ+,409)	(⊕∪,∠00)	(\$35,245)
	REVITALIZATION PLAN		(\$3,500)	(\$11,842)	(\$11,079)	(\$7,237)							
	Total Withdrawals (-)	(\$12,874)	(\$19,262)	(\$40,507)	(\$41,929)	(\$34,915)	(\$20,317)	(\$24,680)	(\$21,363)	(\$24,712)	(\$27,258)	(\$25,286)	(\$280,229)
	Total Contributions	\$18,363	\$19,282	\$19,602	\$19,865	\$19,996	\$20,198	\$20,322	\$20,729	\$21,143	\$21,566	\$21,997	\$204,700
Total Reserve Fund Balance at	t Year-End	\$75,860	\$75,880	\$54,975	\$32,911	\$17,992	\$17,873	\$13,515	\$12,881	\$9,312	\$3,620	\$331	

^{*} Based on the 2016 Q2 Variance Report

Table 3		Projected	Contributions / (Withdrawals)										
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Balance as at Dec. 31, 2016*	2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2017 - 2026 Total Contributions / (Withdrawals)
	Beginning Balance	\$17,720	\$17,104	\$18,952	\$17,279	\$17,407	\$18,474	\$20,850	\$23,229	\$23,192	\$20,370	\$16,574	
Storm Water Management DC Reserve Fund	SWM END OF PIPE FACILITIES		(\$107)	(\$91)	(\$677)	(\$771)	(\$276)	(\$587)	(\$2,463)	(\$5,215)	(\$6,170)	(\$13)	(\$16,370
	WET WEATHER FLOW MP WESTERN BEACHES RETROFIT		(\$479) (\$99)	(\$429) (\$428)	(\$687) (\$510)	(\$703) (\$474)	(\$572) (\$1)	(\$796) (\$7)	(\$790)	(\$548)	(\$548)	(\$548)	(\$6,100 (\$1,519
	STREAM RESTORATION &		(ψυυ)	(\$420)	(\$310)	(ψ+1+)	(Ψ1)	(ψ1)					(\$1,515
XR2113 DC - SWM (2009)	EROSION CONTROL		(\$482)	(\$598)	(\$890)	(\$1,180)	(\$1,018)	(\$499)	(\$1,030)	(\$1,406)	(\$1,527)	(\$1,231)	(\$9,861)
XR2404 DC - SWM (2004)	SWM TRCA FUNDING		(\$344)	(\$353)	(\$361)	(\$371)	(\$380)	(\$389)	(\$399)	(\$409)	(\$419)	(\$430)	(\$3,855
	Land Acquisition for Source Water Protect		(\$731)	(\$724)	(\$793)	(\$765)	(\$765)	(\$765)	(\$885)	(\$885)	(\$885)	(\$885)	(\$8,083)
	WATERFRONT STROMWATER INFRASTRUCTURE		(\$654)										
	EMERY CREEK POND		(\$400)	(\$4)	(\$4)	(\$4)							(\$412
	Total Withdrawals (-)	(\$5,515)	(\$3,296)	(\$2,627)	(\$3,922)	(\$4,268)	(\$3,012)	(\$3,043)	(\$5,567)	(\$8,463)	(\$9,549)	(\$3,107)	(\$46,854
	Total Contributions	\$4,899	\$5,144	\$5,229	\$5,300	\$5,335	\$5,388	\$5,422	\$5,530	\$5,641	\$5,753	\$5,868	
	Other Program / Agency Net (Withdrawls) and Contributions			(\$4,275)	(\$1,250)								(\$5,525
Total Reserve Fund Balance at Year-End		\$17,104	\$18,952	\$17,279		\$18,474	\$20,850	\$23,229	\$23,192	\$20,370	\$16,574	\$19,335	

Based on the 2016 Q2 Variance Report