EX20.22

Toronto 2017 BUDGET JULIE 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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CONTACTS

Program:

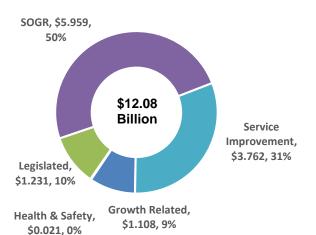
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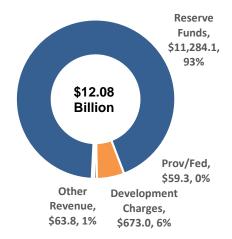
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Capital Spending and Financing

2017-2026 Capital Budget and Plan by Expenditures Category



By Funding Source



State of Good Repair Backlog

Where does the money go?

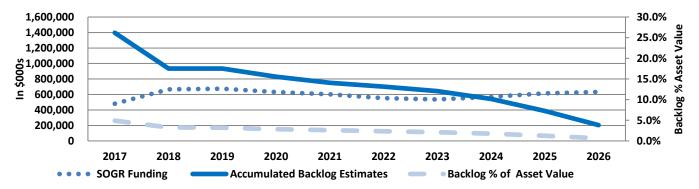
The 2017–2026 Recommended Capital Budget and Plan totalling \$12.080 billion provides funding for:

- 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.

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.



Toronto Water

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).

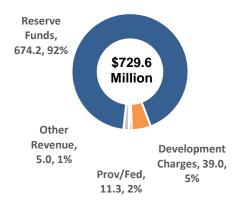




2017 Capital Budget by Project Category



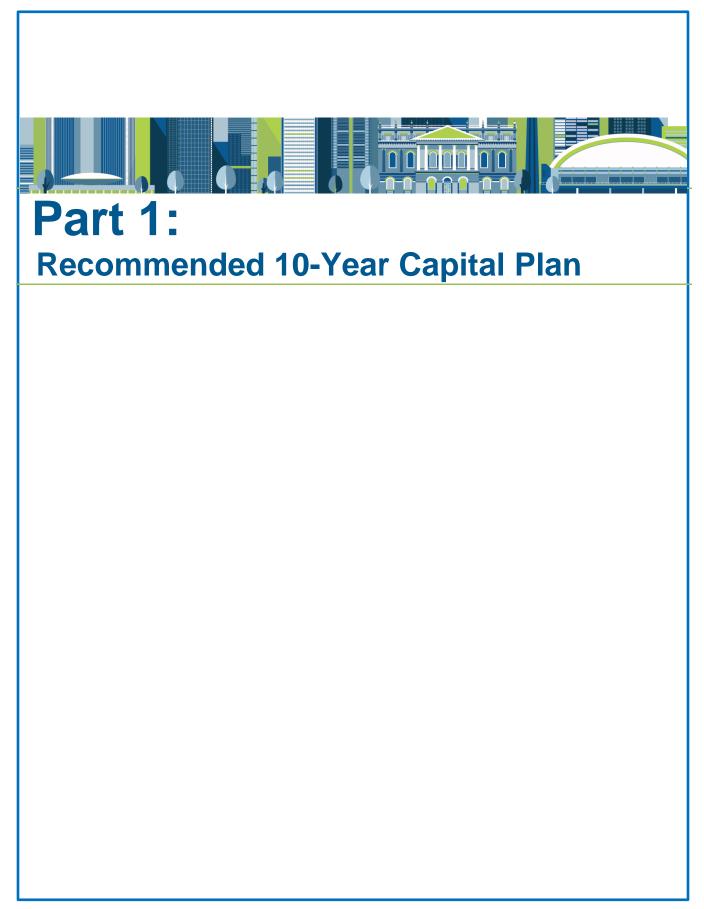
By Funding Source



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:
 - i. 248 new / change in scope sub-projects with a 2017 total project cost of \$1.989 billion that requires cash flow reduction of \$143.338 million in 2017 and future year cash flow commitments of \$413.187 million for 2018; \$365.790 million for 2019; \$334.438 million for 2020; \$197.786 million for 2021; \$179.385 million for 2022; \$187.358 million for 2023; \$188.793 million in 2024; and \$93.968 million in 2025;
 - ii. 328 previously approved sub-projects with a 2017 cash flow of \$872.903 million; and future year cash flow commitments of \$598.830 million for 2018; \$446.006 million for 2019; \$281.852 million for 2020; \$244.975 million for 2021; \$178.369 million for 2022; \$133.333 million for 2023; \$108.576 million in 2024; and \$55.630 million in 2025;
 - b) 2016 approved cash flow for 178 previously approved sub-projects with carry forward funding from 2016 into 2017 totalling \$129.579 million.
- 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.
- 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.



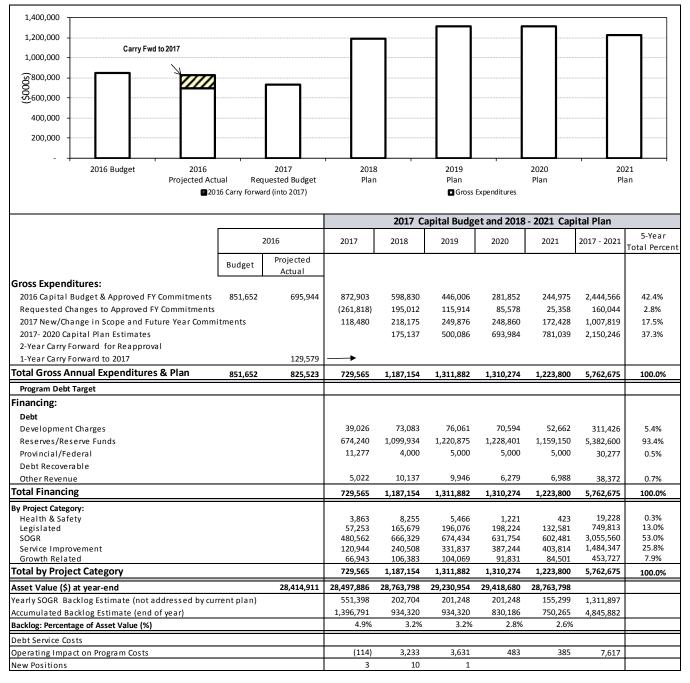


Figure 1a 10-Year Capital Plan 2017 Recommended Capital Budget and 2018 - 2021 Recommended Capital Plan

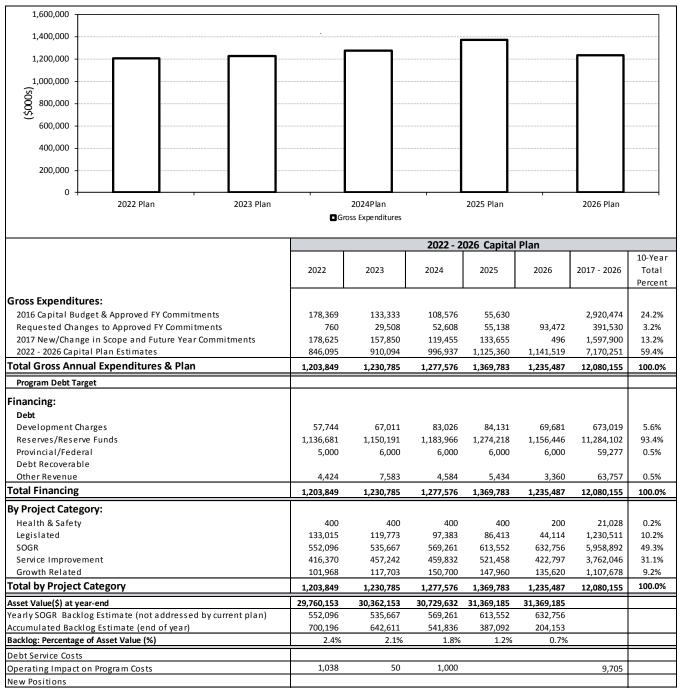
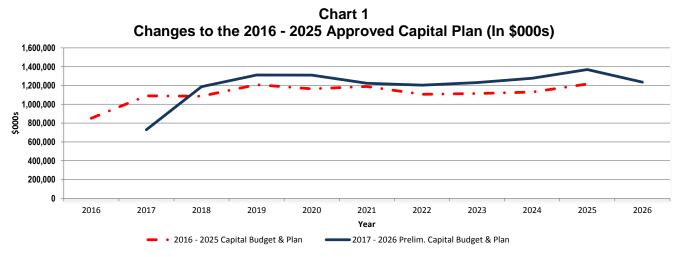


Table 1b 10-Year Capital Plan 2022 - 2026 Recommended Capital Plan

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.



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

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

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

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

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

\$000s 2016 - 2025 Capital Budget & Plan 2017 - 2025 Capital Budget & Plan	2016 851.652	2017	2018	2019	2020	2021	2022				2026	2017 - 20	
		1.090.037	1.085.903	1.208.050	1.164.159	1.189.890	1.106.964	2023 1.114.970	2024 1.129.835	2025 1.215.387	2020	2017 20	10.305.195
2017 - 2025 Capital Buuget & Flan	051,052	729,565	1,187,154	1.311.882	1.310.274	1,223,800	1,203,849	1,230,785	1,277,576	1.369.783	1.235.487		10,844.668
Capital Budget & Plan Changes (2017 - 2025)		(360,472)	101.251	103.832	146.115	33,910	96,885	115.815	147,741	154.396	1,233,487		539,473
Lapital Budget & Plan Changes (2017 - 2025)		(560,472)	101,251	105,652	140,115	55,910	90,005	115,615	147,741	154,590			559,475
	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	(2,222)	73	40	, ,,	19,619	114,000	
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)	_,10	_,	-,,		,-10	(2,374)	22,000	
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	11,005	11,105	4,345	2,050	
Water Efficiency Plan		(1,505)	5,157	(131)	1,525	5,251	1,250	5,010			1,515	520	
Subtotal		(83,606)	56.672	74,784	85.724	46.729	30.633	35,363	80.849	75.002	402.150	339.019	-
Wastewater Collection & Treatment &		(00/000/	00/012						50/010	,	,	000,010	
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	
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	-
Sabtotal		(,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(_,=,=,=,=,)	2,200	,. 07	(,)	,	,_15	,- 55	,-11		,	
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

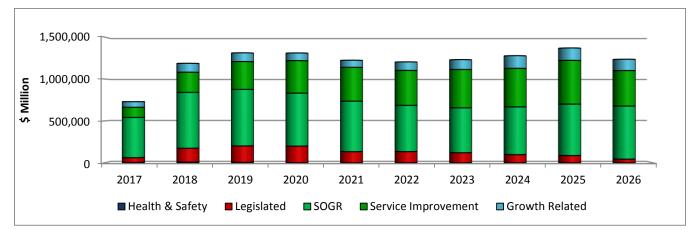


Chart 2 2017 – 2026 Recommended Capital Plan by Project Category (In \$000s)

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:

	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	Tota Proje Cos
otal Expenditures by Category tate of Good Repair (including lealth & Safety and Legislated													
rojects)													
Business & Technology		510	1,400									1,910	
Linear Eng		69,507	89,247	84,072	73,874	63,029	66,572	61,856	65,960	68,004	75,443	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 29,930	3,851	14,547 25,413	25,000 20,019	27,400 11,067	21,750	25,600	25,550 38,650	25,250 38,000	194,824	
WT - Storage & Treatment Trunk Sewers & Pumping Stations		12,984 24,552	47,880	28,459 33,588	32,221	35,275	25,888	16,217 28,919	39,650 42,587	58,050	42,588	260,389 371,646	
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	122,023	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
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	
												-	
ıb-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
rvice Improvements													
Water Meter Program (AMR)	237,058	4,040	3,180	500	346							8,066	234
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	2 107	1 050	241	02					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	41,708 918	20	03,000	52,050	20,200	10,150	17,596	
RC Harris TP		874	5,972	1,699	1,007	510	20					9,552	
FJ Horgan TP		1,784	2,625	2,230	1,007	10						6,659	
Island TP		606	1,326	1,222	665	10						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		15,564	43,837	109,012	134,635	122,115	134,135	144,075	149,071	185,470	130,470	1,168,384	
WWF-TRCA		12,775	13,382	14,341	14,104	14,219	14,337	15,958	16,082	16,209	16,339	147,746	
WWF - Stream Restoration		28										28	
Yards & Facility		2,707	3,977	2,355	2,605	1,005	605	605	605	605	21,505	36,574	
ib-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
owth Related	237,038	120,344	2-10,000	331,037	307,244	403,014	410,570	437,2 4 2	-33,032	521,450	722,131	3,7 02,040	2.54
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	
													I
b-Total	-	66,943	106,383	104,069	91,831	84,501	101,968	117,703	150,700	147,960	135,620	1,107,678	

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

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

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 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.

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- 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 3a2017 Cash Flow & Future Year Commitments (In \$000s)

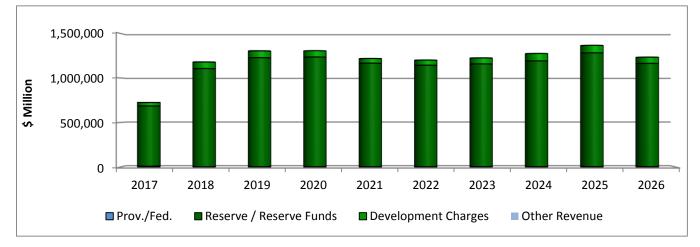
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total 2017 Cash Flow & FY Commits
Expenditures:											
Previously Approved											
Water Meter Program (AMR)	8,314	2,000	915	545							11,774
Basement Flooding	108,557	82,119	84,532	64,893	58,430	60,030	36,730	15,509	10		510,810
Business & Technology	17,920	13,831	14,691	9,624	574	110					56,750
Linear Eng	48,534	42,380	32,434	25,363	10,121	1,000	500	500	500		161,332
New Connections	27,000	7,500									34,500
New Sewers	8,190	7,680	10,180		8,000	8,000	8,000	8,000	8,000		66,050
Sewer Rehabilitation	44,033	18,831									62,864
Sewer Replacement	16,610	6,692	1,786								25,088
WM Rehabilitation	62,742	15,079	15	2							77,838
WM Replacement	48,357	26,085	7,318	44	71	40					81,915
Water Service Replacement	43,583	10,736	2								54,321
Pumping Stations	15,147	19,550	22,365	7,278	4,278	3,100	50	50			71,818
Trunk Water Mains	28,957	7,004	539	290	200						36,990
WT - Storage & Treatment	63,074	30,225	11,146	1,831	26						106,302
Trunk Sewers & Pumping Stations	44,616	27,490	13,681	279	10						86,076
Ashbridges Bay TP	147,223	85,839	107,090	81,910	83,213	78,378	51,908	45,779	35,000		716,340
Highland Creek TP	72,166	54,311	42,710	17,968	15,795	4,385	3,450	6,380	5,000		222,165
Humber TP	84,715	57,849	54,421	48,498	47,991	4,850	10,894	2,150			311,368
RL Clark TP	17,870	13,275	1,474	60			,				32,679
RC Harris TP	20,113	8,406	780	750	200						30,249
FJ Horgan TP	6,619	3,778	2,078	162	20	9					12,666
Island TP	13,496	15,776	3,462	3,910	1,580	10	10				38,244
WTP-Plantwide	1,190	600	1,200	1,400	800	1,000	500	100			6,790
Water Effeciency Plan	520	000	1,200	1,100	000	1,000	500	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	21,007	12,515	11,110	1,007	10,101	27,000	0,000		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	4,700	2,250	5,150	5,100	5,020	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	1,002,402	558,850	440,000	201,052	244,575	170,505	155,555	100,570	55,050		3,030,033
	(2,940)	1,180	(415)	(199)							(2,374)
Water Meter Program (AMR)		(36,920)	(415)		240	(9,130)	13,308	36,421	27,956	100	(83,430)
Basement Flooding	(57,047)	2,456	(42,597) 1,499	(15,761)	677	(9,130) 350		50,421	27,950	100	(83,430)
Business & Technology	(6,394)			2,324			350	1 2 2 0	705	2 1 2 0	
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	0.050	5 000	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)		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	(- <i>-</i>)	(/					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	_5,515	5,021	.,00 +	(1.5)	()			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	(7,912)	791	1,108	209	458	(3,130)	(3,100)	(3,020)	(520)		1,778
			1,100	203	4.50						

 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

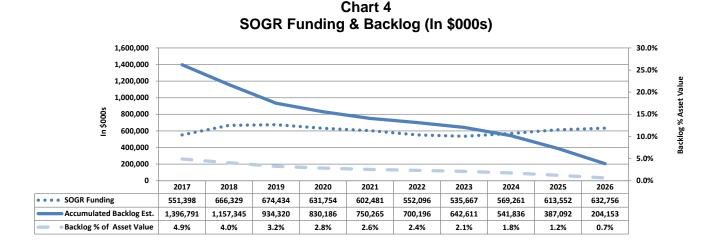
Chart 3 2017 – 2026 Recommended Capital Plan by Funding Source (In \$000s)



- 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.

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- 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

- 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.

			J	,	· · · · · J	··· J (···· +	,			
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

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

- 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

	2017	Budget		Plan	2019		2020		2021		2017 - 2	121	2017 -	2026
Projects	2017 \$000s	Budget Positions		Plan Positions		Plan Positions		Plan Positions		Plan Positions	2017 - 2 \$000s	021 Positions	2017 - \$000s	- 2026 Positions
Projects Previously Approved	ŞUUUS	Positions	\$000s	PUSICIONS	ŞUUUS	FUSICIONS	ŞUUUS	POSICIONS	3000s	FUSICIONS	\$000s	POSICIONS	\$000s	POSITIONS
Ashbridges Bay WWTP -														
Ferrous Upgrades	180.0		(180.0)											
Ashbridges Bay WWTP - D	100.0		(100.0)											
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 -														
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 Increation	85.0	1.0									85.0	1.0	9E 0	1.0
CCTV Inspection	85.0	1.0									0.56	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
mirastructure	101.9	1.0	320.0	5.0							421.9	4.0	421.9	4.0
Highland Creek MUMTD Draces														
Highland Creek WWTP - Proces					5.0						5.0		5.0	
& Facility Upgrades					5.0						5.0		5.0	
Wahland Carely MUNTD														
Highland Creek WWTP -											40.0			
Communication Systems					10.0						10.0		10.0	
Humber Treatment WWTP -														
New Substation			104.0	1.0							104.0	1.0	104.0	1.0
Highland Creek WWTP -Solids														
& Gas Handling	52.0										52.0		52.0	
Ashbridges Bay WWTP - Liquid														
Treatment & Handling -														
Primary Treatment Upgrade			1,370.8	2.0							1,370.8	2.0	1,370.8	2.0
Ashbridges Bay WWTP - Liquid														
Treatment & Handling - Waste							(
Activated Sludger Upgrade			360.0				(360.0)						700.0	
Ashbridges Bay WWTP - O & M							(
Upgrades					161.0	1.0	(12.0)				149.0	1.0	149.0	1.0
Ashbridges Bay WWTP - Odour														
Control - Biofilters Upgrade			100.0								100.0		100.0	
Humber Treatment WWTP - Co-	(- · ·										· ·		(==== ·	
generation	(703.1)	1.0									(703.1)	1.0	(703.1)	1.0
Water Quality Master Plan -			760.6		2 000 0						a =co -		a = ca -	
Taste and Odour Control			760.0		3,000.0						3,760.0		3,760.0	
the large of the large														
Island WTP - Chemical &														
Residuals Management	143.7		58.0	1.0							201.7	1.0	201.7	1.0
Water Treatment Plantwide -									1000					
UV Desinfection									120.0		120.0		408.0	
New Projects - Future Years														
SWM End of Pipe Facilities -									50.0		50.0		50.0	
Etobicoke Wet Weather Flow Master									50.0		50.0		50.0	
					115.0						115.0		115.0	
Plan Achbridges Bay W/WTD					115.0						115.0		115.0	
Ashbridges Bay WWTP -							720.0		202.0		000.0		020.0	
Desinfection Construction							720.0		200.0		920.0		920.0	
Ashbridges Bay WWTP - Liquid														
Treatment & Handling - Integrated Pumping Station													1 000 0	
		L				L							1,000.0	
Integrated Fullping Station														

 Table 5

 Net Operating Impact Summary (In \$000s)

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.



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:

		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.



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). \checkmark

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 102017 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:		4 224		2.400	500	246								
Water Meter Program (AMR)		1,334	4,040	3,180	500	346	460.350	9,400	400.000	405 000	405 000	405 000		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	42.000	3,848	24.400	25 405	17.000	F 4 707	24.202	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						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	10.050	22.450	40.070	40.770	20.455	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
FJ Horgan TP		24	51	75				150	40					190
Water Efficiency Plan			520	520	520	520	520	2,600	520	520	520	520	520	5,200
WWF-Implementation Projects	ļ		25	100	100	100	100	425	75					500
Sub-Total		4,031	66,943	106,383	104,069	91,831	84,501	457,758	101,968	117,703	150,700	147,960	135,620	1,111,709
Total		129,579	729.565	1,187,154	1,311,882	1,310,274	1,223,800	5,892,254	1,203,849	1,230,785	1,277,576	1.369.783	1,235,487	12,209,734

Appendix 3

2017 Recommended Capital Budget; 2018 to 2026 Recommended Capital Plan

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

CITY OF TORONTO

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

ADMM- 2017 SC Sub-bold Sub-bold Sub-bold Sub-bold Sub-bold		3																			
Ball Finance F				Cur	rent and F	uture Year	Cash Flov	w Commitn	nents			Cu	rrent and F	uture Year C	Cash Flow	v Comm	itments	Finance	d By		
0 2 PLATE EXAMPSION - DECEMPA & CONSTR. CM S2 0 2 0 <th></th> <th></th> <th>at. 2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th></th> <th></th> <th></th> <th>Grants and</th> <th></th> <th></th> <th>R Reserves</th> <th>leserve</th> <th>from</th> <th>Other 1</th> <th>Other2</th> <th>Recov</th> <th></th> <th></th>			at. 2017	2018	2019	2020	2021				Grants and			R Reserves	leserve	from	Other 1	Other2	Recov		
MAME MAME <th< td=""><td>WAT00000</td><td>HORGAN W.T.P. EXPANSION</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	WAT00000	HORGAN W.T.P. EXPANSION																			
Admit 2 bit Set Admit 2 bi	0 2		5 24	0	0	0	0	24	0	24	o	0) 8	0	8	0)	0 8	3 0	0	24
11750 1175 1<	0 38		5 51	75	0	0	0	126	0	126	о	0) 40	0	46	0)	0 40	0 0	0	126
NATIONALI WATE STORAGE EXAMPSON No. 10 No. 10 No. 10 No. 11 No. 7 No. 10	0 39		5 0	0	0	0	0	0	40	40	0	0) 13	0	14	0)	0 13	3 0	0	40
NATURE DUFFENN RES. EXT-DESION AND CONT CW S2 65 14 0 0 0 0 <td></td> <td>Sub-total</td> <td>75</td> <td>75</td> <td>0</td> <td>0</td> <td>0</td> <td>150</td> <td>40</td> <td>190</td> <td>0</td> <td>0</td> <td>61</td> <td>0</td> <td>68</td> <td>0</td> <td>)</td> <td>0 6</td> <td>1 0</td> <td>0</td> <td>190</td>		Sub-total	75	75	0	0	0	150	40	190	0	0	61	0	68	0)	0 6	1 0	0	190
CONT. ADMIN	WAT00001	4 WATER STORAGE EXPANSION																			
No. S2 Multicent PSARESERVOID CW S3 O5 O 37 O O 37 O O 37 O O 37 O O 17 O	0 1		5 18	0	0	0	0	18	0	18	0	0) 11	0	7	0)	0 (0 0	0	18
F9SRESERV.OPESIGNARCONT F9SRESERV.OPESIGNARCONT F9SRESERV.OPESIGNAND CONT F9SRESERV.OPESIGNADD CONT F9SRES	0 2	Milliken PS and Reservoir - Engineering CW S2 0	5 50	0	0	0	0	50	0	50	0	0) 21	0	10	0)	0 19	9 0	0	50
ADMM-3017 SC VECUALS RETROPINGADES V Sub-lobal VECUALS RETROPINGADES V S VECUALS VECUALS RETROPINGADES V S VECUALS VEC	0 52		5 0	37	0	0	0	37	0	37	o	0) 15	0	8	0)	0 14	4 0	0	37
VALUE VALUE RESIDUADING MATE ACULTIES Value	0 53		-17	0	0	0	0	-17	0	-17	0	0) -10	0	-7	0)	0 (0 0	0	-17
Note Residuals Retropits and UPGRADES CV S2 02 1,036 4.25 0 0 1,461 0 0 0 1,461 0 0 0 1,461 0 <td></td> <td>Sub-total</td> <td>51</td> <td>37</td> <td>0</td> <td>0</td> <td>0</td> <td>88</td> <td>0</td> <td>88</td> <td>0</td> <td>0</td> <td>) 37</td> <td>0</td> <td>18</td> <td>0</td> <td>)</td> <td>0 3</td> <td>3 0</td> <td>0</td> <td>88</td>		Sub-total	51	37	0	0	0	88	0	88	0	0) 37	0	18	0)	0 3	3 0	0	88
0 29 RESIDUALS RETROFITS AND UPGRADES: 2017 SC Sub-total CH 5.67 2.408 700 0 2.541 0	WAT00001	8 CLARK RESIDUE MGMT. FACILITIES																			
VERADES-2017 SC Sub-obtail Image: Sub-obtail S	0 24	RESIDUALS RETROFITS AND UPGRADES CW S2 0	2 1,036	425	0	0	0	1,461	0	1,461	0	0) 0	0	1,461	0)	0 (0 0	0	1,461
WATER EFFICIENCY PROGRAM WATER EFFICIENCY PROGRAM CV S2 O 300 0	0 29		2 -567	2,408	700	0	0	2,541	0	2,541	о	0) 0	0	2,541	0)	0 (0 0	0	2,541
0 10 ICI INDOOR WATER AUDIT CW S2 05 300 0 0 300 300 300 300 300 0 300 0 <td></td> <td>Sub-total</td> <td>469</td> <td>2,833</td> <td>700</td> <td>0</td> <td>0</td> <td>4,002</td> <td>0</td> <td>4,002</td> <td>0</td> <td>0</td> <td>) 0</td> <td>0</td> <td>4,002</td> <td>0</td> <td>)</td> <td>0</td> <td>0 0</td> <td>0</td> <td>4,002</td>		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
0 11 PUBLIC EDUCATION & PROMOTIONS CW S2 05 150 0 0 150 0 150 0 <td>WAT00002</td> <td>21 WATER EFFICIENCY PROGRAM</td> <td></td>	WAT00002	21 WATER EFFICIENCY PROGRAM																			
0 12 ANCILLARY COSTS CW 52 05 70 0	0 10	ICI INDOOR WATER AUDIT CW S2 0	5 300	0	0	0	0	300	0	300	о	0) 300	0	0	0)	0 0	0 0	0	300
0 82 WEP - FUTURE -ICI CW S6 0 0 0 3,605 0 0 3,605 0 0 0 0 0 3,605 0	0 11	PUBLIC EDUCATION & PROMOTIONS CW S2 (5 150	0	0	0	0	150	0	150	0	0) 150	0	0	0)	0 (0 0	0	150
0 91 ICI INDOOR WATER AUDIT- 2017 SC CW S3 05 0 300 300 0 0 600 0 600 0	0 12	ANCILLARY COSTS CW S2 (5 70	0	0	0	0	70	0	70	o	0) 70	0	0	0)	0 0	0 0	0	70
0 92 PUBLIC EDUCATION & PROMOTIONS- CW S3 0 150 150 0 0 300 0 0 300 0 0 300 0	0 82	WEP - FUTURE -ICI CW S6 (5 0	0	0	485	520	1,005	2,600	3,605	0	0	3,605	0	0	0)	0 (0 0	0	3,605
2017 SC 0 93 ANCILLARY COSTS- 2017 SC CW S3 05 0 70 70 35 0 175 0 0 175 0 <td< td=""><td>0 91</td><td>ICI INDOOR WATER AUDIT- 2017 SC CW S3 (</td><td>5 0</td><td>300</td><td>300</td><td>0</td><td>0</td><td>600</td><td>0</td><td>600</td><td>0</td><td>0</td><td>600</td><td>0</td><td>0</td><td>0</td><td>)</td><td>0 (</td><td>0 0</td><td>0</td><td>600</td></td<>	0 91	ICI INDOOR WATER AUDIT- 2017 SC CW S3 (5 0	300	300	0	0	600	0	600	0	0	600	0	0	0)	0 (0 0	0	600
Sub-total Image: Constraint of the state of the st	0 92		5 0	150	150	0	0	300	0	300	о	0) 300	0	0	0)	0 (0 0	0	300
WAT000363 ENGINEERING STUDIES	0 93	ANCILLARY COSTS- 2017 SC CW S3 (5 0	70	70	35	0	175	0	175	o	0) 175	0	0	0)	0 (0 0	0	175
		Sub-total	520	520	520	520	520	2,600	2,600	5,200	0	0	5,200	0	0	0)	0	0 0	0	5,200
0 2 IMPROVED TREATMENT STUDIES CW S2 04 296 0 0 0 0 296 0 296 0 296 0 0 0 0 0 207 0 0 89 0 0 296	WAT00036	3 ENGINEERING STUDIES																			
	0 2	IMPROVED TREATMENT STUDIES CW S2 0	4 296	0	0	0	0	296	0	296	0	0) 0	0	207	0)	0 89	90	0	296

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

L		· • •												-											
					Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By											
<u>Su</u> Pri		<u>pject No. Project Name</u> bProj No. Sub-project Name	Nard	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 t	Total Financing	
WA	г Г000363	ENGINEERING STUDIES																							
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	200	200	0	0	0	400	0	400	C) (0 0	0 0	400	0)	0 ()	0 0	400	
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	105	125	0	0	0	230	0	230	C) (D 0	0	230	0)	0 ()	0 0	230	
0	38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	C) (o 0	0 0	4	0)	0 (D	0 0	4	
0	65	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	CW	S2	04	915	730	105	5	0	1,755	0	1,755	C) (D 0	0	1,755	0) (0 ()	0 0	1,755	
0	70	FACILITY FORECAST/SOGR FUNDING	CW	S6	03	0	0	50	50	50	150	250	400	C) (D 0	0	400	0)	0 (D	0 0	400	
0	72	SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 SC	CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	C) (D 0	0	-1,755	0)	0 (D	0 0	-1,755	
0	73	CONTROLLED SUBSTANCES ID AND ABATEMENT- 2017 SC	CW	S3	02	-100	-100	100	0	0	-100	0	-100	с) (0 0	0	-100	0)	0 ()	0 0	-100	
0	74	ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC	CW	S3	04	25	-8	0	0	0	17	0	17	С) (0 0	0	17	0)	0 ()	0 0	17	
0	75	IMPROVED TREATMENT STUDIES- 2017 SC	CW	S3	04	-136	152	0	0	0	16	0	16	С) (0 0	0	11	0)	0 :	5	0 0	16	
		Sub-total				394	369	150	50	50	1,013	250	1,263	0		0 C	0	1,169	0)	0 9	4	0 0	1,263	
WA	Г906334	BUSINESS SYSTEM INFRASTRUCTURE -	PW																						
0	9	TRUNK RADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	C) (D 0	0	400	0)	0 ()	0 0	400	
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	C) (o 0	0	200	0)	0 (0	0 0	200	
0	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	795	400	0	0	0	1,195	0	1,195	С) (o 0	0 0	1,195	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	С) (D 0	0 0	22,486	0) (0 ()	0 0	22,486	
0	42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	C) (D 0	0	492	0)	0 (D	0 0	492	
0	43	BUSINESS & TECHNICAL IMPROVEMENTS - 10 YEAR PLAN	CW	S6	04	0	257	407	407	1,711	2,782	6,665	9,447	С) (0 0	0	9,447	0)	0 ()	0 0	9,447	
0	61	RELIABILITY IMPROVEMENT PROGRAM - FUTURE YEARS	CW	S6	04	0	0	0	0	200	200	1,000	1,200	C) (0 0	0 0	1,200	0) (0 ()	0 0	1,200	
0	67	SCADA UPGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	С) (0 0	0 0	3,503	0) (0 ()	0 0	3,503	
0	83	NETWORK IMPROVEMENTS - 10 YEAR	CW	S6	04	0	1,650	1,230	1,230	2,410	6,520	4,920	11,440	С) (0 0	0 0	11,440	0)	0 ()	0 0	11,440	
0	85	NETWORK IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	С) (D 0	0 0	2,586	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 0	0	200	0)	0 ()	0 0	200	
0	87	PCS UPGRADES 2017		S4		210	210	210	0	0	630	0	630	C) (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	C) (0 0	0	1,900	0)	0 (0	0 0	1,900	

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

-		•																						
Current and Future Year Cash Flow Commitments											nents	Capital Debt -												
<u>Sut</u> Pric		<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	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Recoverabl	e Total Financin
		BUSINESS SYSTEM INFRASTRUCTURE																						1
0	90	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	0	0 0	0	0	10	0) (0 (0	0	0 1
0	91	PCS LEGACY ALARM IMPROVEMENT - 2017 SC	CW	S3	04	166	65	65	0	0	296	0	296	0	0 0	0	0	296	0) (0 (0	0	0 29
0	92	RELIABILITY IMPROVEMENT PROGRAM- 2017 SC	- CW	S3	04	-585	-50	200	200	0	-235	0	-235	0	0 0	0	0	-235	0) (0 (0	0	0 -23
0	93	SCADA UPGRADES FOR WWT- 2017 SC	CW	S3	04	-2,651	546	1,765	890	150	700	-50	650	0	0 0	0	0	650	0) (0 0	0	0	0 65
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 29
0	95	NETWORK IMPROVEMENTS- 2017 SC	CW	S3	04	-1,016	964	0	0	0	-52	0	-52	0	0 0	0	0	-52	0) (0 0	0	0	0 -5
0	96	PCS UPGRADES FOR WATER SUPPLY- 2017 SC	CW	S3	04	-12	0	0	0	0	-12	0	-12	0	0 0	0	0	-12	0) (0 (0	0	0 -1
0	97	SCADA SOFTWARE	CW	S4	04	220	220	220	220	220	1,100	0	1,100	0	0 0	0	0	1,100	0) (0 (0	0	0 1,10
		Sub-total				7,566	13,082	11,967	7,731	4,741	45,087	12,645	57,732	0	0	0	0	57,732	0) (0	0	0	0 57,73
WAT	906340	METERING & METER READING SYS																						
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	8,314	2,000	915	545	0	11,774	0	11,774	C	0 0	0	0	11,774	0) (0 (0	0	0 11,77
0	18	AUTOMATED METER READING SYSTEM 2017 SC	- CW	S3	04	-2,940	1,180	-415	-199	0	-2,374	0	-2,374	0	0 0	0	0	-2,374	0) (0 (0	0	0 -2,37
		Sub-total				5,374	3,180	500	346	0	9,400	0	9,400	0	0	0	0	9,400	0) (0	0	0	0 9,40
WAT	906467	AVENUE ROAD TRUNKMAIN REPLACEM	<u>ENT</u>																					+
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	92	0	0	0	0	92	0	92	0	0 0	46	0	29	0) (0 1	7	0	0 9
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 0	5	0	3	0) (0 2	2	0	0 1
0	30	JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 2017 SC	CW	S3	03	221	500	0	0	0	721	0	721	0	0 0	363	0	224	0) (0 134	4	0	0 72
		Sub-total				323	500	0	0	0	823	0	823	0	0	414	0	256	0) (0 15	3	0	0 82
WAT	906468	HORGAN TRUNK MAIN EXPANSION																						1
0	44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	0	1,000	10,000	11,000	12,000	23,000	0	0 0	8,729	0	14,271	0) (0 (0	0	0 23,00
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S6	05	0	850	700	650	620	2,820	1,140	3,960	0	0 0	1,505	0	2,455	0) (0 (0	0	0 3,96
		Sub-total				0	850	700	1,650	10,620	13,820	13,140	26,960	0	0	10,234	0	16,726	0) (0	0	0	0 26,96
WAT	906470	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 0	0	0	1,963	0) (0 (0	0	0 1,96
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST	. CM	S2	02	2,000	7,400	2,500	3,500	1,500	16,900	0	16,900	0	0 0	1,028	0	15,872	0) (0 0	0	0	0 16,90
		CONST								l		I	I											I

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			Cur	rent and Fur	ture Year	Cash Flov	w Comm	itments	Financed	Ву			
<u>Sub</u> Pric		<u>ject No. Project Name</u> Proj No. Sub-project Name V	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	Deb Recove Debt		Total Financing
	906470													Cabbilaice										
0	30	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2017 SC	CW	S3	02	-143	1,160	600	250	770	2,637	280	2,917	0	0	0	0	2,917	0) 0	0	0	2,917
0	31	CHEMICAL & RESIDUALS MANAGMENT CONST-2017 SC	CW	S3	02	9,000	-6,223	1,500	10,500	12,500	27,277	6,000	33,277	0	0	2,023	0	31,254	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
<u>WAT</u>	906481	DISTRICT WATERMAINS - NEW																						
0	1	NEW WM	CW	S2	05	515	0	0	0	0	515	0	515	0	0	515	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	0	0	4,000	0	0	0	() 0	0	0	4,000
0	15	NEW WM - 2017 SC	CW	S3	05	-500	500	0	0	0	0	0	0	0	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	4,515
<u>WAT</u>	906483	PW ENGINEERING																						
0	2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,946	3,200	585	0	0	7,731	0	7,731	0	0	0	0	7,731	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	0	0	554	0	786	0	(878	0	0	2,218
0	7	EASEMENT ACQUISITION	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0	() 0	0	0	500
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	621	1,338	1,000	1,000	0	3,959	0	3,959	0	0	0	0	3,959	0	() 0	0	0	3,959
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,090	1,000	1,000	1,000	1,000	5,090	2,500	7,590	0	0	1,898	0	5,692	0	() 0	0	0	7,590
0	38	WATERMAIN ASSET PLANNING - 10 YEAR	CW	S6	04	0	0	535	975	675	2,185	2,375	4,560	0	0	1,142	0	3,418	0	() 0	0	0	4,560
0	52	JOS UPDATE PHASE II	CW	S2	05	1,135	500	0	0	0	1,635	0	1,635	0	0	818	0	-1	0	() 818	0	0	1,635
0	53	EASEMENT ACQUISITION - 10 YEAR	CW	S6	04	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0	() 0	0	0	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	0	0	1,551	0	2,193	0	(2,453	0	0	6,197
0	65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	CW	S3	04	-785	300	0	0	0	-485	1,000	515	0	0	128	0	387	0	() 0	0	0	515
0	66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	CW	S3	03	-2,074	457	2,415	585	0	1,383	0	1,383	0	0	0	0	1,383	0	() 0	0	0	1,383
0	67	EASEMENT ACQUISITION- 2017 SC	CW	S3	04	0	500	0	0	0	500	0	500	0	0	0	0	500	0	() 0	0	0	500
0	68	WATER LOSS REDUCTION STRATEGY- 2017 SC	CW	S3	03	-211	-472	418	0	1,000	735	0	735	0	0	0	0	735	0	() 0	0	0	735
0	69	JOS UPDATE PHASE II- 2017 SC	CW	S3	05	-135	0	150	0	0	15	0	15	0	0	7	0	1	0	() 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	(4,156	0	0	41,538
WAT	906749	DOWNTOWN W/M ENHANCEMENT																						

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	Current and Future Year Cash Flow Commitments													Cur	rent and F	uture Year Ca	ash Flow	Comm	nitments	Financed	Ву		
	j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name N	Nard 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	Re Reserves F		apital irom urrent	Other 1	Other2		Debt - coverable	Total Financing
WAT906749	DOWNTOWN W/M ENHANCEMENT																						
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	26	0	0	0	0	26	0	26	o	0	5	0	1	C) () 20	() C	26
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	C	0	904	0	163	C) () 3,472	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	0	-1	C) () -1	() (-2
0 46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	C	0	-904	0	-163	C) () -3,472	() C	-4,539
	Sub-total				14	10	0	0	0	24	0	24	0	0	5	0	0	C) () 19		0 0	24
WAT906752	TRANSMISSION R&R																						
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	o	0	0	0	500	C) () 0	() C	500
0 50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	250	250	1,250	1,500	C	0	0	0	1,500	C) () 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	O	0	0	0	9,885	C) () 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	0	2,159	C) (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	0	8,150	C) () 0	() C	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	C) () 0	() C	690
0 75	TRUNK WATERMAIN REHAB- 2017 SC	CW	S3	03	114	4	260	253	0	631	0	631	0	0	0	0	631	C) (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	C) () 0	() C	-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	C) () 0	() (0
	Sub-total				13,244	7,447	951	347	250	22,239	1,250	23,489	0	0	0	0	23,489	C) () ()	0 0	23,489
WAT906900	TRANSMISSION R&R																						
0 1	TRANS FACILITIES REHAB	CW	S2	03	750	750	0	0	0	1,500	0	1,500	o	0	0	0	1,500	C) () 0	() (1,500
07	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	1,000	5,500	5,500	12,000	57,000	69,000	C	0	0	0	69,000	C) () 0	() C	69,000
0 26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	145	0	0	0	0	145	0	145	C	0	0	0	145	C) () 0	() C	145
0 27	EGLINTON PS - PUMP REPLC	CW	S2	03	228	0	0	0	0	228	0	228	O	0	0	0	228	C) () 0	() C	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	C	0	0	0	25,273	C) (0 0	() (25,273
0 43	DOWNSVIEW PS - Construction	CW	S6	05	0	1,000	0	3,000	5,000	9,000	5,000	14,000	0	0	0	0	14,000	C) () 0	() C	14,000
0 44	PUMPING STATION REHAB - Engineering	CW	S6	03	0	0	0	250	100	350	10,450	10,800	0	0	0	0	10,800	C) () ()	() C	10,800

CITY OF TORONTO

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													ī											
							Curre	ent and Fu	iture Year	Cash Flov	v Commitn	nents			Cu	rrent and F	uture Year (Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u> Prio		j <u>ect No. 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	Deb Recove Debt		Total Financing
WAT	906900	TRANSMISSION R&R																						
0	45	PUMPING STATION REHAB - Construction	n CW	S6	03	0	0	2,000	4,500	4,500	11,000	58,500	69,500	0	C	0 0	0	69,500	0) () 0	0	0	69,500
0	48	ROSEHILL RESERVOIR	CW	S2	03	11,479	10,500	4,600	0	0	26,579	0	26,579	0	C	0 0	0	26,579	0) () 0	0	0	26,579
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	410	0	0	0	0	410	0	410	0	C	0 0	0	410	0) () 0	0	o	410
0	50	PARKDALE PS REHABILITATION	CW	S2	03	3,580	1,757	21	0	0	5,358	0	5,358	0	C	0 0	0	5,358	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	C	0 0	0	5,738	0) () 0	0	0	5,738
0	67	PUMP REPLACEMENTS	CW	S2	03	900	900	100	0	0	1,900	0	1,900	0	C	0 0	0	1,900	0) () 0	0	0	1,900
0	70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0	0	750	750	750	2,250	3,000	5,250	0	C	0 0	0	5,250	0) () 0	0	0	5,250
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S4	03	200	250	300	650	350	1,750	2,150	3,900	0	C	0 0	0	3,900	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	C	0 0	0	5,000	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	C	0 0	0	-926	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	C	0 0	0	9,994	0) () 0	0	0	9,994
0	77	PARKDALE PS REHABILITATION-2017 S	c cw	S3	03	-2,385	2,593	2,404	329	8	2,949	0	2,949	0	C	0 0	0	2,949	0) () 0	0	0	2,949
0	78	SCARBOROUGH PS - PUMP REPLC- 201 SC	17 CW	S3	03	5	0	0	0	0	5	0	5	0	C	0 0	0	5	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	C	0 0	0	25	0) () 0	0	0	25
0	80	DOWNSVIEW PS & CONNECTOR EA- 2017 SC	CW	S3	05	-85	280	0	0	0	195	0	195	0	C	0 0	0	195	0) () 0	0	0	195
0	81	ROSEHILL PS REHAB- 2017 SC	CW	S3	03	33	0	20	13	14	80	0	80	0	C	0 0	0	80	0) () 0	0	0	80
0	82	DOWNSVIEW PS - Engineering	CW	S6	05	0	280	430	650	260	1,620	400	2,020	0	C	0	0	2,020	0) () 0	0	0	2,020
14/AT		Sub-total				16,692	29,616	27,239	26,813	20,029	120,389	138,534	258,923	0	C	0 0	0	258,923	0) () 0	0	0	258,923
VVAI	906902	HARRIS W.T.P. R&R																						
0	3	FACILITY & PROCESS UPGRADES		S2		500	0	0	0	0	500	0	500	0	C	0	0	500	0) () 0	0	0	500
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	2,766	847	0	0	0	3,613	0	3,613	0	C	0	0	3,613	0) () 0	0	0	3,613
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,620	722	0	0	0	4,342	0	4,342	0	C	0 0	0	4,342	0) () 0	0	0	4,342
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES		S2		9,579	5,384	23	0	0	14,986		14,986	0				14,986) 0	0	0	14,986
0	70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	150	0	150	0	300	150	450	0	C	0 0	0	450	0) () 0	0	0	450

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							Curr	ent and Fu	iture Year	Cash Flov	v Commitr	nents			Cu	rrent and F	uture Year (Cash Flo	w Comm	nitments	Financed	Ву		
<u>Sub-</u> Prior		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Wai	rd Sta	at. 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 - rerable	Total Financing
WATS	06902	HARRIS W.T.P. R&R																						
0	71	FACILITY & PROCESS UPGRADES FUTURE	6- C	W S	6 03	0	0	500	500	500	1,500	2,500	4,000	0	C	0 0	0	4,000	C) (0 0	0	0	4,000
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	C	W S	2 03	0	100	550	550	0	1,200	0	1,200	0	C	0 0	0	1,200	C) (0 0	0	0	1,200
0	80	FACILITY INFRASTRUCTURE REH	IAB C	W S	6 03	0	0	1,000	1,000	0	2,000	0	2,000	0	C	0 0	0	2,000	C) (0 0	0	0	2,000
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	C	W S	2 04	1,450	1,148	7	0	0	2,605	0	2,605	0	C	0 0	0	2,605	C) (0 0	0	0	2,605
0	85	HARRIS FILTERS REHABILITATION	N C	W S	6 03	0	0	0	0	0	0	33,450	33,450	0	C	0 0	0	33,450	C) (0 0	0	0	33,450
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	C	W S	2 03	200	200	200	200	200	1,000	0	1,000	0	C	0 0	0	1,000	C) (0 0	0	0	1,000
0	99	CONTROL ROOM RELOCATION	C	W S	2 04	593	0	0	0	0	593	0	593	0	C	0 0	0	593	C) (0 0	0	0	593
0	100	EMERGENCY STANDBY POWER	C	W S	2 04	895	5	0	0	0	900	0	900	0	C	0 0	0	900	C) (0 0	0	0	900
0	102	PHONE SYSTEM UPGRADE	C	W S	2 03	510	0	0	0	0	510	0	510	0	C	0 0	0	510	C) (0 0	0	0	510
0	109	REHAB OF SETTLING BASIN ROC &SLUICE GATES-2017 SC	F C	W S	3 03	-279	2,931	78	10	13	2,753	0	2,753	0	C	0 0	0	2,753	C) (0 0	0	0	2,753
0	110	HARRIS FILTERS REHABILITATION PILOT-2017 SC	N- C	W S	3 03	-2,970	2,906	65	0	0	1	0	1	0	C	0 0	0	1	C) (0 0	0	0	1
0	111	CONTROL ROOM RELOCATION-20	017 SC C	W S	3 04	-518	525	0	0	0	7	0	7	0	C	0 0	0	7	C) (0 0	0	0	7
0	112	TRAVELLING SCREENS 3 & 5 UPGRADE-2017 SC	C	W S	3 03	0	300	450	0	0	750	0	750	0	C	0 0	0	750	C) (0 0	0	0	750
0	113	PHONE SYSTEM UPGRADE-2017	SC C	W S	3 03	-510	70	510	0	0	70	0	70	0	C	0 0	0	70	C) (0 0	0	0	70
0	114	FACILITY & PROCESS UPGRADES SC	S- 2017 C	W S	3 03	0	500	0	0	0	500	0	500	0	C	0 0	0	500	C) (0 0	0	0	500
0	115	HVAC REHAB CONSTRUCTION- 2	017 SC C	W S	3 03	-1,205	3,453	4,281	0	0	6,529	0	6,529	0	C	0 0	0	6,529	C) (0 0	0	0	6,529
0	116	LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	C	W S	3 04	-989	3,249	137	7	0	2,404	0	2,404	0	C	0 0	0	2,404	C) (0 0	0	0	2,404
0	117	HERITAGE MASONRY ARCHITECT RESTORATION-2017 SC	TURAL C	W S	3 03	0	0	0	0	0	0	150	150	0	C	0 0	0	150	C) (0 0	0	0	150
0	118	EMERGENCY STANDBY POWER-	2017 SC C	W S	3 04	-395	995	405	0	0	1,005	0	1,005	0	C	0 0	0	1,005	C) (0 0	0	0	1,005
0	119	ENERGY OPTIMIZATION	C	W S	6 04	0	50	1,150	1,000	0	2,200		2,200	0		-	0	2,200	C			0	0	2,200
		Sub-total				13,247	23,535	9,356	3,417	713	50,268	36,250	86,518	0	C	0 0	0	86,518	C) (0 0	0	0	86,518
WATS	06903	FJ HORGAN W.T.P. R&R																						
0	5	FACILITY & PROCESS UPGRADES	с с	W S	2 03	516	0	0	0	0	516	0	516	0	C	0 0	0	516	C) (0 0	0	0	516
0	8	RAW WATER PUMP UGRADES	C	W S	2 03	469	0	0	0	0	469	0	469	0	C	0 0	0	469	C) (0 0	0	0	469

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

										<u> </u>	0 14											_		
						,	Curre	ent and Fi	iture Year	Cash Flo	v Commitr	nents			Cur	rent and F	uture Year C	ash Flo	w Comm	itments I	Financed			
<u>Sub</u> Prio		ect No. <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	R Reserves	eserve Funds	Capital from Current	Other 1	Other2	Debt Recovera Debt		Total Financing
		FJ HORGAN W.T.P. R&R																					\top	
0	15	REPLACEMENT OF MCCS	CW	S2	03	2,315	2,400	250	152	10	5,127	9	5,136	0	0	0	0	5,136	0) () 0	0	0	5,136
0	28	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	200	200	200	600	1,000	1,600	0	0	0	0	1,600	0) () 0	0	0	1,600
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	855	1,375	1,825	10	10	4,075	0	4,075	C	0	0	0	4,075	0) () 0	0	0	4,075
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	550	3	3	0	0	556	0	556	O	0	0	0	556	0) () 0	0	0	556
0	33	OFFICE RENOVATION	CW	S6	03	0	0	100	675	575	1,350	479	1,829	C	0	0	0	1,829	0) () 0	0	0	1,829
0	34	TREATED WATER PUMP UPGRADES	CW	S2	04	1,890	0	0	0	0	1,890	0	1,890	C	0	0	0	1,890	0) () 0	0	0	1,890
0	53	FACILITY & PROCESS UPGRADES- 2017 SC	7 CW	S3	03	240	613	0	0	0	853	0	853	C	0	0	0	853	0) () 0	0	0	853
0	54	REPLACEMENT OF MCCS- 2017 SC	CW	S3	03	-57	36	0	75	0	54	0	54	C	0	0	0	54	0) () 0	0	0	54
0	55	RAW WATER PUMP UGRADES- 2017 SC	c cw	S3	03	52	0	0	0	0	52	0	52	C	0	0	0	52	0) () 0	0	0	52
0	56	ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 2017 SC	CW	S3	04	-500	527	277	0	0	304	0	304	C	0	0	0	304	0) () 0	0	0	304
0	57	TREATED WATER PUMP UPGRADES- 2017 SC	CW	S3	04	-364	0	0	0	0	-364	0	-364	C	0	0	0	-364	0) () 0	0	0	-364
0	58	BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	CW	S3	04	-597	720	125	0	0	248	0	248	C	0	0	0	248	0) () 0	0	0	248
		Sub-total				5,369	5,674	2,780	1,112	795	15,730	1,488	17,218	0	0	0	0	17,218	0) () 0	0	0	17,218
WAT	906906	TRUNK WATERMAIN EXPANSION																						
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	784	450	173	21	0	1,428	0	1,428	0	0	684	0	420	0) () 324	0	0	1,428
0	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S4	05	2,000	12,000	12,000	8,000	0	34,000	0	34,000	C	0	16,289	0	9,987	0) () 7,724	0	0	34,000
0	69	JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	d CW	S3	05	-384	61	202	162	11	52	0	52	C	0	26	0	14	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) (8,060	0	0	35,480
WAT	906914	SWITCH GEAR TRANSFORMER																						
0	13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	3,913	0	0	0	0	3,913	0	3,913	C	0	0	0	3,913	0) () 0	0	0	3,913
0	29	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S6	03	0	500	1,500	2,200	5,200	9,400	10,200	19,600	0	0	0	0	19,600	0) () 0	0	0	19,600
0	30	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	CW	S3	03	-1,663	1,274	0	0	0	-389	0	-389	o	0	0	0	-389	0) () 0	0	0	-389
		Sub-total				2,250	1,774	1,500	2,200	5,200	12,924	10,200	23,124	0	0	0	0	23,124	0) () 0	0	0	23,124
WAT	906917	TRANSMISSION OPERATIONS OPTIMIZ	<u>ER</u>																				\uparrow	
0	8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	257	200	0	0	0	457	0	457	O	0	0	0	219	0) () 238	0	0	457

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

Priority burged Name Ward Stat. Cet 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2017 2017 2017 2017 2017 2017 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017								Curr	ont and E	uturo Voar	Cash Elos	v Commite	nonte		Í	C	ront and E	uturo Voor	Cach Ela	w Commi	itmonto	Finanaad	By			
BLC Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing Processing								Curre			Casil Flor	Commu				Cur	rent and F	uture rear	Cash Fio		linents i	Indiceu	-			
Matter Table in a strategy of presentations of presentation presentations of presenta	<u>Sub</u>	- Pro	pject No. Project Name									Total	Total	Total		Federal r	Development	I	Reserve						le _T ,	otal
Image: Sector		-			Stat.	Cat.	2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026		Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Fina	ancing
Defininger: 2017 of CPU and CPU	WAT	906917	TRANSMISSION OPERATIONS OPTIMIZE	<u>R</u>																						
NATTERUIST MANABILITY PROCEAM No. 52 0.4 1.2 NATER SUSTAMABILITY PROCEAM No. 52 0.4 1.2 NATER SUSTAMABILITY PROCEAM No. 52 0.4 1.2 0 1.2 STANDAY POWER - ROGENILL 0.0 5.227 0 0 1 0 10 VATER SUSTAMABILITY FROCESM 00 5.22 0 0 1.255 0 0.82 0 1.465 0 0.82 0 0.82 0 0.82 0 0.82 0 0.82 0 0.82 0 0.82 0 0.82 0 0.82 0 0 0.82 0 0 0.82 0 <td>0</td> <td>12</td> <td></td> <td>CW</td> <td>S3</td> <td>04</td> <td>-7</td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td>13</td> <td>0</td> <td>13</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>-63</td> <td>0</td> <td>C</td> <td>) 76</td> <td>(</td> <td>)</td> <td>0</td> <td>13</td>	0	12		CW	S3	04	-7	20	0	0	0	13	0	13	C	0	0	0	-63	0	C) 76	()	0	13
N INVERE SUSTAINABILITY PROGRAM CV S2 CV S3 CV S3 CV S3 CV S3 <			Sub-total				250	220	0	0	0	470	0	470	0	0	0	0	156	0	C) 314		0	0	470
1 2 STANDARY POWER: ROGENUL 0.0 2 0 0.0	WAT	906918	WATER SUSTAINABILITY PROGRAM																						1	
9 9	0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	C	0	1,055	0	11,081	0	C) 5,227	()	0 1	7,363
POWER ELLESIMETOR POWER ELLESIMETOR CV S A A A A A A A B A D <thd< th=""> D <thd< th=""> <</thd<></thd<>	0	12	STANDBY POWER - ROSEHILL	CW	S2	04	3,344	4,344	5,167	1,815	15	14,685	0	14,685	C	0	882	0	9,397	0	C) 4,406	()	0 1	4,685
Sub-total Sub-tobal Sub-tobal Sub-tobal <t< td=""><td>0</td><td>19</td><td></td><td>CW</td><td>S3</td><td>04</td><td>-12,041</td><td>5,187</td><td>5,269</td><td>10</td><td>0</td><td>-1,575</td><td>0</td><td>-1,575</td><td>o</td><td>0</td><td>-95</td><td>0</td><td>-1,005</td><td>0</td><td>C</td><td>) -475</td><td>(</td><td>C</td><td>0 -</td><td>-1,575</td></t<>	0	19		CW	S3	04	-12,041	5,187	5,269	10	0	-1,575	0	-1,575	o	0	-95	0	-1,005	0	C) -475	(C	0 -	-1,575
Normal Solution Normal Sol	0	20	STANDBY POWER - ROSEHILL- 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	C	0	-1	0	-11	0	C) -6	(C	0	-18
I ACLITY 4 PROCESS LUGRADES CW S2 03 150 150 <			Sub-total				8,693	9,551	10,371	1,813	13	30,441	14	30,455	0	0	1,841	0	19,462	0	C	9,152		0	0 3	0,455
0 8 PROCESS E OUIPMENT UPGRADE OW 52 0.3 1.24 480 1.392 60 3.196 0 3.196 0 3.196 0 9.195 0.3001 0 <td>WAT</td> <td>906919</td> <td>RL CLARK W.T.P. R&R</td> <td></td>	WAT	906919	RL CLARK W.T.P. R&R																							
ENSIMEERING	0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	150	150	0	0	0	300	0	300	C	0	0	0	300	0	C) 0	(C	0	300
FUTURE	0	8		CW	S2	03	1,264	480	1,392	60	0	3,196	0	3,196	C	0	195	0	3,001	0	C) 0	(C	0	3,196
CONSTRUCTION CONSTRUCTION CN S2 OB OB<	0	12		CW	S6	03	0	0	200	200	200	600	1,000	1,600	C	0	0	0	1,600	0	C) 0	(C	0	1,600
SYSTEMS	0	15		CW	S2	03	15,112	12,215	82	0	0	27,409	0	27,409	C	0	1,667	0	25,742	0	C) 0	(C	0 2	27,409
INDREERING-2017 SC INC INC </td <td>0</td> <td>44</td> <td></td> <td>CW</td> <td>S2</td> <td>03</td> <td>308</td> <td>5</td> <td>0</td> <td>0</td> <td>0</td> <td>313</td> <td>0</td> <td>313</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>313</td> <td>0</td> <td>C</td> <td>) 0</td> <td>(</td> <td>C</td> <td>0</td> <td>313</td>	0	44		CW	S2	03	308	5	0	0	0	313	0	313	C	0	0	0	313	0	C) 0	(C	0	313
CONSTRUCTION-2017 SC Construction-2017 SC <th< td=""><td>0</td><td>68</td><td></td><td>CW</td><td>S3</td><td>03</td><td>-904</td><td>130</td><td>-892</td><td>1,394</td><td>60</td><td>-212</td><td>35</td><td>-177</td><td>C</td><td>0</td><td>-12</td><td>0</td><td>-165</td><td>0</td><td>C</td><td>) 0</td><td>(</td><td>C</td><td>0</td><td>-177</td></th<>	0	68		CW	S3	03	-904	130	-892	1,394	60	-212	35	-177	C	0	-12	0	-165	0	C) 0	(C	0	-177
SC SC <th< td=""><td>0</td><td>69</td><td></td><td>CW</td><td>S3</td><td>03</td><td>-5,300</td><td>-500</td><td>9,950</td><td>3,000</td><td>0</td><td>7,150</td><td>0</td><td>7,150</td><td>C</td><td>0</td><td>434</td><td>0</td><td>6,716</td><td>0</td><td>C</td><td>) 0</td><td>(</td><td>C</td><td>0</td><td>7,150</td></th<>	0	69		CW	S3	03	-5,300	-500	9,950	3,000	0	7,150	0	7,150	C	0	434	0	6,716	0	C) 0	(C	0	7,150
SYSTEMS- 2017 SC Sub-total I </td <td>0</td> <td>70</td> <td></td> <td>CW</td> <td>S3</td> <td>03</td> <td>50</td> <td>50</td> <td>0</td> <td>0</td> <td>0</td> <td>100</td> <td>0</td> <td>100</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>100</td> <td>0</td> <td>C</td> <td>) 0</td> <td>(</td> <td>C</td> <td>0</td> <td>100</td>	0	70		CW	S3	03	50	50	0	0	0	100	0	100	C	0	0	0	100	0	C) 0	(C	0	100
WATE DIST WM REPLACEMENT CW S6 O O O S5 S5 </td <td>0</td> <td>71</td> <td></td> <td>CW</td> <td>S3</td> <td>03</td> <td>66</td> <td>227</td> <td>20</td> <td>0</td> <td>0</td> <td>313</td> <td>0</td> <td>313</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>313</td> <td>0</td> <td>C</td> <td>) 0</td> <td>(</td> <td>C</td> <td>0</td> <td>313</td>	0	71		CW	S3	03	66	227	20	0	0	313	0	313	C	0	0	0	313	0	C) 0	(C	0	313
0 4 10 YEAR WATERMAIN REPLACEMENT CW S6 03 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 0 0 13,588 0 616,662 0			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 4	0,204
0 14 2010 WM REPLC CW S2 03 5 0 0 0 0 5 0	WAT	906930	DIST W/M REPLACEMENT																						+	
0 21 2011 WM REPLC CW S2 0.3 4 0 0 0 4 0	0	4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	0	65,250	95,000	95,000	255,250	475,000	730,250	C	0	113,588	0	616,662	0	C) 0	(C	0 73	80,250
0 29 DIST W/M REPLC - 2012 CW S2 03 113 0 0 0 0 113 0 113 0 0 0 0 113 0 0 0 0	0	14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	C	0	0	0	5	0	() 0	(C	0	5
	0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	o	0	0	0	4	0	C) 0	(C	0	4
0 39 2013 WM REPLC - SOGR CW S2 03 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0	0	29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	O	0	0	0	113	0	() 0	(C	0	113
	0	39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	C	0	0	0	1	0	C) 0	(C	0	1

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

					1		Curre	ent and Fu	uture Year	Cash Flov	w Commitn	nents			Cur	rent and F	uture Year (Cash Flo	w Comm	nitments	inanced	Ву		
<u>Sub</u> Prio		<u>ect No. 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	Deb Recove Debt	erable	Total Financing
WATS	906930	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	C) (0 0	0	0	133,300
0	51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	O	0	0	0	402	C) (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	C) (0	0	0	400
0		WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	O	0	0	0	3,045	C) (0	0	0	3,045
0	59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	O	0	2	0	3	C) (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	O	0	754	0	4,092	C) (0	0	0	4,846
0	64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	O	0	105	0	233	C) (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	O	0	4,352	0	23,637	C) (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	O	0	1,652	0	3,658	C) (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	-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	74,166
0	84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	O	0	4,592	0	10,169	C) (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	C) (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	C) (0 0	0	0	19,151
0	87	2010 WM REPLC- 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	O	0	0	0	1	C) (0	0	0	1
0	88	DIST W/M REPLC - 2012- 2017 SC	CW	S3	03	90	0	0	0	0	90	0	90	O	0	0	0	90	C) (0	0	0	90
0	89	2013 WM REPLC - SOGR- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	O	0	0	0	10	C) (0	0	0	10
0	90	2013 WM REPLC - UPGRADES- 2017 SC	CW	S3	05	0	101	0	0	0	101	0	101	O	0	31	0	70	C) (0	0	0	101
0		DIST W/M REPLACEMENT - 2014- 2017 SC	CW	S3	03	-401	255	0	0	0	-146	0	-146	O	0	40	0	-186	C) (0	0	0	-146
0	92	WATERMAIN UPGRADES - 2014- 2017 SC	c cw	S3	05	-400	0	0	0	0	-400	0	-400	O	0	0	0	-400	C) (0	0	0	-400
0		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	C) (0 0	0	0	2,351
0	94	WATERMAIN UPGRADES - 2015- 2017 SC	c cw	S3	05	-191	0	0	0	0	-191	0	-191	C	0	-59	0	-132	C) (0 0	0	0	-191
0		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	C) (0	0	0	2,547

CITY OF TORONTO

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

L	-																						
						Curre	ent and Fu	iture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	inanced	Ву		
	oject No. <u>Project Name</u> 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 Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
WAT90693	0 DIST W/M REPLACEMENT																						
0 96	WATERMAIN UPGRADES - 2016- 2017 SC	CW	S3	05	1,086	-255	0	0	0	831	0	831	C	0	258	0	573	0) (0 0	0	0	831
	Sub-total				90,853	95,823	106,818	121,355	113,594	528,443	564,300	1,092,743	0	0	196,095	0	896,648	0) () C) 0	0	1,092,743
WAT90693	2 DIST W/M REHABILITATION																						
03	10 YEAR WATERMAIN REHABILITATION	CW	S6	03	0	4,000	45,250	59,000	62,750	171,000	332,363	503,363	0	0	0	0	503,363	0) (0 0	0	0	503,363
0 4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	0	0	0	0	2,193	0) (0 0	0	0	2,193
06	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	0	0	0	0	66,964	0) (0 0	0	0	66,964
0 7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	0	0	0	0	5,748	0) () 0	0	0	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	2,933
0 34	CUT REPAIR - FUTURE	CW	S6	03	0	0	4,300	4,300	4,300	12,900	21,500	34,400	0	0	0	0	34,400	0) () 0	0	0	34,400
0 50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	0	0	0	0	127	0) (0 0	0	0	127
0 51	CUT REPAIR-2017 SC	CW	S3	03	367	3,300	0	0	0	3,667	0	3,667	0	0	0	0	3,667	0) (0 0	0	0	3,667
0 52	WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	03	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	C	0	0	0	96,580	0) (11,277	0	0	107,857
0 54	CATHODIC PROTECTION- 2017 SC	CW	S3	03	-1,198	888	0	0	0	-310	0	-310	0	0	0	0	-310	0) (0 0	0	0	-310
	Sub-total				77,764	76,166	74,140	72,877	71,625	372,572	354,370	726,942	0	0	0	0	715,665	0) (11,277	0	0	726,942
WAT90693	4 DIST WATER SERVICE REPAIR																						
0 4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM	CW	S6	02	0	2,900	7,800	12,000	12,000	34,700	60,000	94,700	0	0	0	0	94,700	0) () 0	0	0	94,700
0 6	10 YR WATER SERVICE REPAIR - SOGR	CW	S6	02	0	0	10,000	15,000	18,000	43,000	90,000	133,000	0	0	0	0	133,000	0) () 0	0	0	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	0	23,219	0) () 0	0	0	23,219
0 19	2010 WSR	CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0) () 0	0	0	5
0 32	WSR CUT REPAIR	CW	S2	03	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0) () 0	0	0	1,750
0 39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	35	0	0	0	0	35	0	35	0	0	0	0	35	0) () 0	0	0	35
0 41	2013 WSR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0) () 0	0	0	11
0 45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	0	4,000	4,000	4,000	12,000	20,000	32,000	0	0	0	0	32,000	0) () 0	0	0	32,000
0 52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0) () 0	0	0	11

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			Cur	rent and Fu	uture Year Ca	sh Flow Co	omm	itments I	Financed	d By		
<u>Sut</u> Pric		oject No. <u>Project Name</u> DProj 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	Res Reserves Fu	Cap serve fro inds Cur	m	Other 1	Other2	Del	Debt - Recoverable bt	 Total Financing
WAT	906934	DIST WATER SERVICE REPAIR																						
0	59	2015 WATER SERVICE REPLACEMENT SOGR	- CW	S2	02	2,277	736	2	0	0	3,015	0	3,015	С	0 0	0	0	3,015	0) C) ()	0 0	3,015
0	68	2016 WATER SERVICE REPLACEMENT SOGR	- CW	S2	02	12,062	5,000	0	0	0	17,062	0	17,062	С	0 0	0	0 1	7,062	0) () ()	0 0	17,062
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,449	0	0	0	0	7,449	0	7,449	C) 0	0	0	7,449	0) () ()	0 0	7,449
0	72	10 YR WATER SERVICE REPAIR - WITH WM SL	CW	S6	02	0	0	4,000	8,000	10,000	22,000	50,000	72,000	С	0 0	0	0 7	2,000	0) () ()	0 0	72,000
0	73	WATER SERVICE REPLACEMENT - TUNNEL	CW	S6	02	0	0	0	50	50	100	7,500	7,600	С	0 0	0	0	7,600	0) () ()	0 0	7,600
0	74	REPLACEMENT OF FROZEN SERVICES	S CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	C	0 0	0	0	3,000	0) () ()	0 0	3,000
0	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,750	0	0	0	0	1,750	0	1,750	C	0 0	0	0	1,750	0) () ()	0 0	1,750
0	78	2011 WSR	CW	S2	02	14	0	0	0	0	14	0	14	C	0 0	0	0	14	0) () ()	0 0	14
0	80	WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	CW	S3	02	-6,716	3,356	4,450	200	0	1,290	0	1,290	С	0 0	0	0	1,290	0) () ()	0 0	1,290
0	81	WSR CUT REPAIR-2017 SC	CW	S3	03	-250	1,500	0	0	0	1,250	0	1,250	C	0 0	0	0	1,250	0) () ()	0 0	1,250
0	82	WATER SERVICE REPAIR - WM REHAB PROGRAM-2017 SC	CW	S3	02	1,723	7,500	7,000	2,000	0	18,223	0	18,223	C	0 0	0	0 1	8,223	0) () ()	0 0	18,223
0	83	WSR CUT REPAIRS WITH WM SL-2017 SC	CW	S3	02	-250	1,500	0	0	0	1,250	0	1,250	C	0 0	0	0	1,250	0) () ()	0 0	1,250
0	84	2017 WATER SERVICE REPLACEMENT SOGR	- CW	S4	02	10,000	7,000	3,000	0	0	20,000	0	20,000	C	0 0	0	0 2	0,000	0) () ()	0 0	20,000
0	85	2018 WATER SERVICE REPLACEMENT SOGR	- CW	S6	02	0	10,000	7,000	3,000	0	20,000	0	20,000	С	0 0	0	0 2	0,000	0) () ()	0 0	20,000
0	86	2010 WSR- 2017 SC	CW	S3	02	0	215	0	0	0	215	0	215	C	0 0	0	0	215	0) () ()	0 0	215
0	87	2011 WSR- 2017 SC	CW	S3	02	1	0	0	0	0	1	0	1	C	0 0	0	0	1	0) () ()	0 0	1
0	88	2013 WSR- 2017 SC	CW	S3	02	0	100	0	0	0	100	0	100	С	0 0	0	0	100	0) C) ()	0 0	100
0	89	2014 WATER SERVICE REPLACEMENT SOGR- 2017 SC	- CW	S3	02	0	266	0	0	0	266	0	266	С	0 0	0	0	266	0) C) ()	0 0	266
0	90	2015 WATER SERVICE REPLACEMENT SOGR- 2017 SC	- CW	S3	02	-712	26	-2	0	0	-688	0	-688	C	0 0	0	0	-688	0	i C) ()	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	C	0 0	0	0 -	6,011	0) C) ()	0 0	-6,011
		Sub-total				39,757	48,710	48,250	44,250	44,050	225,017	227,500	452,517	0	0	0	0 45	2,517	0) () (D	0 0	452,517
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	C	0 0	0	0	5,000	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	C	0 0	0	0 2	9,500	0) C) ()	0 0	29,500
											•	•	•											

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

Priority: WAT9069 0 14 0 15 0 22 0 23	SubProj No. 935 NEW SER NEW SER NEW SER REPAIRS 2 NEW SER SERVICIN 3 NEW SER REPAIRS- 951 ENGINEEI CONSULT	VICE CONNECTIONS VICE CONNECTIONS - 10 Year VICE CONNECTIONS - CUT - FUTURE VICE CONNECTIONS - SITE IG-2017 SC VICE CONNECTIONS - CUT 2017 SC Sub-total RING	Ward CW CW CW	S6 S6 S3		2017 0 8,000 0	2018 0 0 22,500	2019 30,000 6,000 0	2020 30,000 6,000	2021 30,000 6,000	90,000	Total 2022-2026 150,000	Total 2017-2026 240,000	Provincial Grants and Subsidies			uture Year C Reserves F	(Capital	Other 1	Other2	De	bt - verable	Financing
Priority: WAT9069 0 14 0 15 0 22 0 23 WAT9069	SubProj No. 935 NEW SER NEW SER NEW SER REPAIRS 2 NEW SER SERVICIN 3 NEW SER REPAIRS- 951 ENGINEEI CONSULT	Sub-project Name VICE CONNECTIONS VICE CONNECTIONS - 10 Year VICE CONNECTIONS - CUT - FUTURE VICE CONNECTIONS - SITE IG-2017 SC Sub-total RING	cw cw	S6 S6 S3	05 05 05	0 0 8,000	0 0 22,500	30,000 6,000	30,000 6,000	30,000	2017-2021 90,000	2022-2026	2017-2026	Grants and Subsidies	Federal Subsidy	Development Charges	Reserves F	(eserve Funds C	Capital from Current			Reco Debt	verable	Financing
0 14 0 15 0 22 0 23	 NEW SER NEW SER REPAIRS NEW SER SERVICIN NEW SER REPAIRS NEW SER REPAIRS REPAIRS SERVICIN SERVICIN CONSULT 	EVICE CONNECTIONS - 10 Year EVICE CONNECTIONS - CUT - FUTURE EVICE CONNECTIONS - SITE IG-2017 SC EVICE CONNECTIONS - CUT 2017 SC Sub-total RING	cw cw	S6 S3	05 05	0 8,000	0 22,500	6,000	6,000		90,000		240.000										0	
0 15 0 22 0 23 <u>WAT906</u>	5 NEW SER REPAIRS 2 NEW SER SERVICIN 3 NEW SER REPAIRS- 951 ENGINEEI CONSULT	EVICE CONNECTIONS - CUT - FUTURE EVICE CONNECTIONS - SITE IG-2017 SC EVICE CONNECTIONS - CUT 2017 SC Sub-total RING	cw cw	S6 S3	05 05	0 8,000	0 22,500	6,000	6,000			150,000	240.000									0	0	240.000
0 22 0 23 <u>WAT906</u>	REPAIRS NEW SER SERVICIN NEW SER REPAIRS- 951 ENGINEEI CONSULT	- FUTURE EVICE CONNECTIONS - SITE IG-2017 SC EVICE CONNECTIONS - CUT 2017 SC Sub-total RING	CW	S3	05	8,000	22,500			6,000			240,000	0	0	0	0 2	40,000	0	0 0) 0	5		240,000
0 23 <u>WAT906</u>	SERVICIN NEW SER REPAIRS- 951 ENGINEEI CONSULT	IG-2017 SC EVICE CONNECTIONS - CUT 2017 SC Sub-total RING						0			18,000	30,000	48,000	0	0	0	0	48,000	0	0 0	0 0	0	0	48,000
WAT9069	REPAIRS- 951 ENGINEEI CONSULT	2017 SC Sub-total <u>RING</u>	CW	S3	05	0			0	0	30,500	0	30,500	0	0	0	0	30,500	0	0 0	0 0	0	0	30,500
	CONSULT	RING					5,200	0	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0 0) 0	0	0	5,200
	CONSULT					35,000	35,200	36,000	36,000	36,000	178,200	180,000	358,200	0	0	0	0 3	58,200	0	0 0	0 0	0	0	358,200
0 2		ING FEES																						
	10 YEAR E		CW	S2	03	11,563	11,457	7,307	6,554	2,313	39,194	0	39,194	0	0	0	0	39,194	0	0 0	0 0	0	0	39,194
05		ENGINEERING	CW	S6	03	0	27,683	38,989	46,419	47,274	160,365	265,249	425,614	0	0	0	04	25,614	0	0 0	0 0	0	0	425,614
0 57	PPFA SAL	ARIES - FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	0	0	0	0	20,628	0) 0	0 0	0	0	20,628
0 63	B ROAD RE	STORATION	CW	S2	03	6,005	0	0	0	0	6,005	0	6,005	0	0	0	0	6,005	0	0 0	0 0	0	0	6,005
0 69	EEGAL SE	RVICES SALARIES	CW	S3	03	205	0	0	0	0	205	0	205	0	0	0	0	205	0	0 0	0 0	0	0	205
0 70	ECS SALA	ARIES	CW	S3	03	13,458	0	0	0	0	13,458	0	13,458	0	0	0	0	13,458	0	0 0	0 0	0	0	13,458
0 71	PPFA SAL	ARIES	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0 0) 0	0	0	2,292
0 72	2 ROAD RE	STORATION- 2017 SC	CW	S3	03	-4,005	2,000	0	0	0	-2,005	0	-2,005	0	0	0	0	-2,005	0) 0) 0	0	0	-2,005
0 73	3 CONSULT	ING FEES- 2017 SC	CW	S3	03	1,182	678	3,045	148	1,448	6,501	6,861	13,362	0	0	0	0	13,362	0	0 0) 0	0	0	13,362
0 74	PMMD SA	LARIES	CW	S4	03	263	0	0	0	0	263	0	263	0	0		0	263	0			0	0	
		Sub-total				30,963	44,110	51,633	55,413	53,327	235,446	283,570	519,016	0	0	0	0 5	19,016	0) 0) 0	0	0	519,016
WAT9069	977 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	0	0	0	1,857	0	0 0	0 0	0	0	1,857
0 12	PACILITY YARD	UPGRADE - FORMER MARINE	CW	S2	03	2,320	0	0	0	0	2,320	0	2,320	0	0	0	0	2,320	0	0 0	0 0	0	0	2,320
0 25	5 ISLAND FI	ILTER AIR SCOUR SYSTEM	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0 0	0 0	0	0	5
0 32	2 TRAVELLI	ING SCREEN REPLACEMENT	CW	S2	03	1,266	2,430	550	10	0	4,256	0	4,256	0	0	0	0	4,256	0	0 0	0 0	0	0	4,256
0 50	UPGRADE		CW		03	2,738	3,440	12	0	0	6,190	0	6,190	0	0	0	0	6,190	0	0 0	0 0	0	0	
0 51	CHEMICA DISTRIBU	L SYSTEMS` ELECTRICAL FEED TION	CW	S2	03	26	0	0	0	0	26	0	26	0	0	0	0	26	0	0 0	0 0	0	0	26

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								Curre	ent and Fi	uture Year	Cash Flov	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comn	nitments	Financed	Bv		
								Carr												Capital			Debt	-	
<u>Sub</u> Pric		<u>oject No.</u> bProj No.	<u>Project Name</u> 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	from Current	Other 1	Other2	Recove	able	Total Financing
WAT	906977	ISLAND V	V.T.P. R&R_																						
0	53	FACILITY FUTURE	& PROCESS UPGRADES -	CW	S6	03	0	0	375	375	375	1,125	1,875	3,000	C) 0	0 0	0	3,000	(0	0 0	0	0	3,000
0	54	FILTER M	IEDIA REPLC - FUTURE	CW	S6	03	0	150	0	150	0	300	450	750	c) 0	0 0	0	750	(0	0 0	0	0	750
0	69	Generato	rs` DR3 Program	CW	S2	04	695	650	0	0	0	1,345	0	1,345	c	0 0	0 0	0	1,345	(0	0 0	0	0	1,345
0	70	PLANTW	IDE HVAC UPGRADES	CW	S2	04	1,151	1,141	0	0	0	2,292	0	2,292	c	0 0	0 0	0	2,292	(0	0 0	0	0	2,292
0	83	RAW WA	TER INTAKE CLEANING	CW	S2	03	1,090	0	0	0	0	1,090	0	1,090	c	0 0	0 0	0	1,090	(0	0 0	0	0	1,090
0	89	FACILITY SC	& PROCESS UPGRADES-2017	7 CW	S3	03	-865	0	0	0	0	-865	0	-865	c	0 0	0 0	0	-865	(0	0 0	0	0	-865
0	90	FACILITY YARD-20	UPGRADE - FORMER MARINE	E CW	S3	03	-1,370	3,100	750	0	0	2,480	0	2,480	c) 0	0 0	0	2,480	(0	0 0	0	0	2,480
0	91		ING SCREEN EMENT-2017 SC	CW	S3	03	370	-2,330	150	2,740	0	930	0	930	c) 0	0 0	0	930	(0	0 0	0	0	930
0	92	Generato	rs` DR3 Program-2017 SC	CW	S3	04	-695	-570	695	650	0	80	0	80	c) 0	0 0	0	80	(0	0 0	0	0	80
0	93	RAW WA	TER INTAKE CLEANING-2017 \$	SC CW	S3	03	-940	1,100	0	0	0	160	0	160	c	0 0	0 0	0	160	(0	0 0	0	0	160
0	95	ISLAND F 2017 SC	FILTER AIR SCOUR SYSTEM-	CW	S3	04	0	56	0	0	0	56	0	56	c) 0) 3	0	53	(0	0 0	0	0	56
0	96	ISLAND E 2017 SC	ENWAVE/RETROFIT PROJECT-	CW	S3	04	4	0	0	0	0	4	0	4	c	0 0	0 0	0	4	(0	0 0	0	0	4
0	97		A AND FLUORIDE SYSTEM ES- 2017 SC	CW	S3	03	-2,459	119	2,467	7	0	134	0	134	c) 0	0 0	0	134	(0	0 0	0	0	134
0	98		AL SYSTEMS` ELEC FEED JTION- 2017 SC	CW	S3	03	4	40	0	0	0	44	0	44	c) 0	0 0	0	44	(0	0 0	0	0	44
0	99	PLANTW	IDE HVAC UPGRADES- 2017 S	C CW	S3	04	-525	49	527	15	0	66	0	66	c) 0	0 0	0	66	(0	0 0	0	0	66
0	100	RAW WA FUTURE	TER INTAKE CLEANING -	CW	S6	03	0	0	0	0	0	0	1,250	1,250	c) 0	0 0	0	1,250	(0	0 0	0	0	1,250
			Sub-total				4,297	9,750	5,526	3,947	375	23,895	3,575	27,470	0	0) 3	0	27,467	(0	0 0	0	0	27,470
WAT	906979	D2/D4 TR	UNK WATERMAIN UPGRADES	6																					
0	11	JOS - VIC	CTORIA PARK W/M - CONST	CW	S6	05	0	0	0	0	0	0	54,000	54,000	c	0 0	25,971	0	18,659	(0	0 9,370	0	0	54,000
0	26	JOS - VIC ENGINEE	TORIA PARK W/M _ RING	CW	S6	05	0	0	0	300	600	900	2,100	3,000	c) 0) 1,444	0	1,036	(0	0 520	0	0	3,000
			Sub-total				0	0	0	300	600	900	56,100	57,000	0	0	27,415	0	19,695	(0	0 9,890	0	0	57,000
WAT	907135	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	0 0	0	0	104,750
			Sub-total				0	0	400	500	400	1,300	103,450	104,750	0	0	65,173	0	39,577	(0	0 0	0	0	104,750
WAT	907353	LAWREN	CE ALLAN REVITALIZATION PL	<u>AN</u>																					

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

LAN-INTERNAL LAN-INTERNAL<																								
Babe Prode (Mar) Prod (Mar)							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year Ca	sh Flow Con	mitment	s Fina	anced E	By		
NUMBER AVAILABLE ALALINE CONTRUITURE TON LOW O O O O			Ward	Stat.	Cat.	2017	2018	2019	2020	2021				Grants and	Federal [Subsidy	Development Charges	Res Reserves Fu	Capita serve from inds Currer		1 O	ther2	Recovera		
LAN-INTERNAL LAN-INTERNAL<	WAT90735	53 LAWRENCE ALLAN REVITALIZATION P	LAN																					
LAN- SETEMAL LAN- SETEMAL<	0 1		CW	S2	05	6,613	13,272	5,506	0	0	25,391	0	25,391	O	0	25,391	0	0	0	0	0	0	0	25,391
HAN INTERNAL 20173C HAN INTERNAL 20173C UNITERNAL 2	0 2		CW	S2	05	4,592	0	0	0	0	4,592	0	4,592	O	0	4,592	0	0	0	0	0	0	0	4,592
PLANE DATESIMULATIONSC PLANE DATESIMULATIONS	09		CW	S3	05	-3,613	-5,272	1,731	7,237	0	83	0	83	o	0	83	0	0	0	0	0	0	0	83
NUMBER Rescuence Image	0 10		CW	S3	05	-4,092	3,842	3,842	0	0	3,592	0	3,592	C	0	3,592	0	0	0	0	0	0	0	3,592
N REGENT PARK CAPTAL CONTRIBUTION: CW S2 05 696 1.30 1.30 1.20 4.4 7.7 2.914 4.0 2.054 0 0.2656 0 0.265 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656 0 0.2656		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
FHASE 2 FHASE 3	WAT90755	58 REGENT PARK CAPITAL CONTRIBUTIC	<u>N</u>																					
PHASE 2: 017 GC PHASE 2: 017 GC PHASE 2: 017 GC PHASE 2: 01 GC PH	0 1		N - CW	S2	05	596	1,391	812	44	71	2,914	40	2,954	0	0	2,954	0	0	0	0	0	0	0	2,954
PHASE 3-5 Sub-bail Image: state 3-5 Sub-bail Sub-bail <td>0 13</td> <td></td> <td>ON CW</td> <td>S3</td> <td>05</td> <td>-596</td> <td>-1,391</td> <td>-812</td> <td>-44</td> <td>-71</td> <td>-2,914</td> <td>-40</td> <td>-2,954</td> <td>C</td> <td>0</td> <td>-2,954</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-2,954</td>	0 13		ON CW	S3	05	-596	-1,391	-812	-44	-71	-2,914	-40	-2,954	C	0	-2,954	0	0	0	0	0	0	0	-2,954
VATURE USINESS IT PROJECTS USINESS IT PROJECT	0 14		N - 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	0	5,941
N N		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
SYSTEM PROJECT SYSTEM PROJECT SYSTEM PROJECT SWSTEM	WAT90794	46 BUSINESS IT PROJECTS																						
SYSTEM PROJECT- 2017 SC SUB-0001 STA	07		CW	S2	04	2,409	1,422	1,273	1,000	500	6,604	0	6,604	C	0	0	0	6,604	0	0	0	0	0	6,604
VATE TRUNK WATERMAN VATE	0 16		CW	S3	04	-1,679	158	2	325	500	-694	750	56	0	0	0	0	56	0	0	0	0	0	56
No 1 TRANSMISSION SYSTEM AUTOMATION CW S2 04 2,456 10 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 2,466 0 0 0 0 2,466 0 0 0 0 2,466 0 0 0 0 2,466 0 </td <td></td> <td>Sub-total</td> <td></td> <td></td> <td></td> <td>730</td> <td>1,580</td> <td>1,275</td> <td>1,325</td> <td>1,000</td> <td>5,910</td> <td>750</td> <td>6,660</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>6,660</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>6,660</td>		Sub-total				730	1,580	1,275	1,325	1,000	5,910	750	6,660	0	0	0	0	6,660	0	0	0	0	0	6,660
0 4 JOS - REVENUE METER REPLACEMENT CW S2 03 3,545 2,950 0 0 6,495 0 0 0 0 3,247 0 0 3,248 0 0 6,495 0 5 CAST IRON T/M REPLACEMENT - CW CW S6 0 1,100 1,900 14,200 24,750 41,950 124,300 166,250 0 0 166,250 0 0 0 166,250 0 0 0 0 166,250 0 0 0 0 0 166,250 0	WAT90808	87 TRUNK WATERMAIN																						
0 5 CAST IRON T/M REPLACEMENT - CW S6 03 0 1,100 1,900 14,200 24,750 41,950 124,300 166,250 0 0 0 166,250 0 0 0 0 166,250 0 0 0 0 166,250 0 0 0 0 166,250 0	0 1	TRANSMISSION SYSTEM AUTOMATION	N CW	S2	04	2,456	10	0	0	0	2,466	0	2,466	C	0	0	0	2,466	0	0	0	0	0	2,466
FUTURE	0 4	JOS - REVENUE METER REPLACEMEN	IT CW	S2	03	3,545	2,950	0	0	0	6,495	0	6,495	o	0	0	0	3,247	0	0	3,248	0	0	6,495
0 10 TRANSMISSION SYSTEM AUTOMATION- CW S3 04 -2,204 606 1,857 1,650 41 1,950 92 2,042 0 0 0 2,042 0 0 0 2,042 0 0 0 2,042 0	05		CW	S6	03	0	1,100	1,900	14,200	24,750	41,950	124,300	166,250	C	0	0	0 16	6,250	0	0	0	0	0	166,250
2017 SC 2017 SC 2017 SC 1 3RD PARTY RELOCATIONS CW S3 04 -300 0 0 -300 0 0 -300 0 0 -300 0 0 -300 0 0 -300 0 0 -300 0 0 -300 0 0 0 -300 0 0 0 -300 0 0 -300 0 0 -300 0 0 -300 0 -300 0 0 -300 0 -300 0	06	3RD PARTY RELOCATIONS (METROLIN	IX) CW	S2	04	350	250	250	200	200	1,250	0	1,250	O	0	0	0	1,250	0	0	0	0	0	1,250
METROLINX)- 2017 SC METROLINX)- 2017 SC<	0 10		N- CW	S3	04	-2,204	606	1,857	1,650	41	1,950	92	2,042	O	0	0	0	2,042	0	0	0	0	0	2,042
2017 SC Sub-total 2,802 5,466 5,007 16,050 24,991 54,316 124,392 178,708 0 0 0 175,208 0 0 3,500 0 178,708 WAT908248 WT&S PLANTWIDE UV DISINFECTION - CONCEPTUAL CW S2 04 0 <td>0 11</td> <td></td> <td>CW</td> <td>S3</td> <td>04</td> <td>-300</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-300</td> <td>0</td> <td>-300</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-300</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-300</td>	0 11		CW	S3	04	-300	0	0	0	0	-300	0	-300	0	0	0	0	-300	0	0	0	0	0	-300
WAT908248 WT&S PLANTWIDE Image: Constraint of the second sec	0 12		IT- CW	S3	03	-1,045	550	1,000	0	0	505	0	505	O	0	0	0	253	0	0	252	0	0	505
0 1 UV DISINFECTION - CONCEPTUAL CW S2 04 500 0 0 0 0 0 500 0 500 0 500 0 0 0		Sub-total				2,802	5,466	5,007	16,050	24,991	54,316	124,392	178,708	0	0	0	0 17	5,208	0	0	3,500	0	0 1	178,708
	WAT90824	48 WT&S PLANTWIDE																						
	0 1		CW	S2	04	500	0	0	0	0	500	0	500	o	0	0	0	500	0	0	0	0	0	500

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

						Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fut	ure Year	Cash Flo	w Comm	itments 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 F	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
WAT90824	48 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	12,005	0	0	0	() 0	12,005
03	UV DISINFECTION - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	93,000	93,000	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	2,372	0	0	0	0	0 0	2,372
05	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S6	04	0	130	2,230	5,840	700	8,900	0	8,900	0	() 0	0	8,900	0	0	0	() 0	8,900
06	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	6,290
07	STANDBY POWER - FUTURE	CW	S6	04	0	2,250	8,100	10,400	21,100	41,850	46,850	88,700	0	(5,322	0	56,768	0	0	26,610	0) 0	88,700
08	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
09	STANDBY POWER - PHASE 2 - ENG- 20 SC	17 CW	S3	04	-140	425	-475	-550	-375	-1,115	1,025	-90	0	() -3	0	-62	0	0	-25	() 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	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	40,700	0	0	0	() 0	40,700
0 12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	V CW	S4	04	200	915	730	105	5	1,955	0	1,955	0	() 117	0	1,250	0	0	588	() 0	1,955
	Sub-total				1,650	5,974	12,759	32,921	43,000	96,304	162,948	259,252	0	(5,813	0	224,379	0	0	29,060		0 0	259,252
Total F	Program Expenditure				392,232	473,181	457,170	472,669	452,556	2,247,808	2,297,722	4,545,530	0	(384,837	04	4,084,924	0	0	75,769		0 0	4,545,530

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 F	low Comr	nitments ar	nd Estimate	s		Curren	t and Future `	Year Cas	h Flow C	ommitme	nts and I	Estimates	Financed 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 R	eserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	• 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	0 0	0	0 384,837
Reserve Funds (Ind."XR" Ref.)	349,987	421,253	405,935	427,742	416,235	2,021,152	2,063,772	4,084,924	0	0	0	04	,084,924	0	C	0 0	0	0 4,084,924
Other2 (External)	17,034	10,137	9,946	6,279	6,988	50,384	25,385	75,769	0	0	0	0	0	0	C	75,769	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	04	,084,924	0	C) 75,769	0	0 4,545,530

Status Code Description

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

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

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

S5 S5 New (On-going or Phased Projects)

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

Category Code Description

01 Health and Safety C01

Legislated C02 02

03 State of Good Repair C03

04 Service Improvement and Enhancement C04

05 Growth Related C05

06 Reserved Category 1 C06 07

Reserved Category 2 C07

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

							Curre	ent and Fu	uture Year	Cash Flov	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments I	Financed	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	Deb Recove Debt		Total Financing
		ASHBRIDGES BAY WWTP REHAB	0.14			-					_							-						
0	17	STANDBY POWER GENERATION	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0) () 0	0	0	5
0	19	FERROUS UPGRADES	CW	S2	03	15,695	5,853	5,955	0	0	27,503	0	27,503	0	0	2,224	0	25,279	0) (0 0	0	0	27,503
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	4,542	1,710	35	0	0	6,287	0	6,287	0	0	0	0	6,287	0) (0 0	0	0	6,287
0	41	POLYMER UPGRADE	CW	S2	03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	0	0	0	0	63,180	0) (0 0	0	o	63,180
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0) () 0	0	0	10
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,252	1,146	250	49	0	2,697	0	2,697	0	0	217	0	2,480	0) () 0	0	0	2,697
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	193	0	0	0	0	193	0	193	0	0	15	0	178	0) (0 0	0	0	193
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,796	26	27	0	0	1,849	0	1,849	0	0	0	0	1,849	0) (0 0	0	0	1,849
0	190	GROUND AND FACILITIES	CW	S2	03	445	0	0	0	0	445	0	445	0	0	0	0	445	0) (0 0	0	0	445
0	200	PROCESS AND FACILTIES - FUTURE	CW	S6	03	0	0	0	400	1,940	2,340	9,700	12,040	0	0	0	0	12,040	0) (0 0	0	0	12,040
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	0	0	0	0	12,715	0) () 0	0	0	12,715
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0) (0 0	0	0	400
0	225	DIGESTER CLEANING & UPGRADES - FUTURE	CW	S6	03	0	0	0	0	100	100	38,350	38,450	0	0	0	0	38,450	0) (0 0	0	0	38,450
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	1,225	500	250	0	0	1,975	0	1,975	0	0	0	0	1,975	0) (0 0	0	0	1,975
0	227	AIR HEADER REHAB	CW	S2	03	727	1,700	0	0	0	2,427	0	2,427	0	0	0	0	2,427	0) (0 0	0	0	2,427
0	229	D BUILDING PHASE 2	CW	S2	03	502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	0	0	0	0	12,102	0) (0 0	0	0	12,102
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	590	250	0	0	0	840	0	840	0	0	0	0	840	0) (0 0	0	0	840
0	248	SOILS MANAGEMENT PLAN	CW	S2	03	200	100	0	0	0	300	0	300	0	0	0	0	300	0) (0 0	0	0	300
0	255	FINAL TANK UPGRADES - TANKS 10 & 11	CW	S6	03	0	100	1,700	1,700	500	4,000	0	4,000	0	0	0	0	4,000	0) (0 0	0	0	4,000
0	256	DIGESTER CLEANING - 10 YEAR PLAN	CW	S6	03	0	0	450	350	2,200	3,000	6,400	9,400	0	0	0	0	9,400	0) (0 0	0	0	9,400
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,860	1,500	0	0	0	3,360	0	3,360	0	0	0	0	3,360	0) (0 0	0	0	3,360
0	265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2017 SC	CW	S3	03	398	714	1,280	201	49	2,642	0	2,642	o	0	213	0	2,429	0) () 0	0	0	2,642
0	266	PROCESS AND EQUIPMENT-2017 SC	CW	S3	03	-563	1,756	1,100	1,100	0	3,393	0	3,393	0	0	0	0	3,393	0) (0 0	0	0	3,393
0	267	GROUND AND FACILITIES-2017 SC	CW	S3	03	-4	440	440	440	0	1,316	0	1,316	0	0	0	0	1,316	0) () 0	0	0	1,316

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 Commitm	nents			Cur	rent and Fu	ture Year	Cash Flo	w Comm	itments I	Financed	Ву		
<u>Sub</u> Pric		ject No. <u>Project Name</u> Proj No. Sub-project Name	e V	Vard 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	Rec	Debt - overable	Total Financing
-		ASHBRIDGES BAY WWTP RE													Cabbilaice										
0	269	NEW FLEET PURCHASES-20)17 SC	CW	S3	04	80	0	0	0	0	80	0	80	0	0	0	0	80	0	0) 0	0	0	80
0	270	SOILS MANAGEMENT PLAN-	2017 SC	CW	S3	03	-200	-100	0	0	0	-300	0	-300	0	0	0	0	-300	0	0) 0	0	0	-300
0	272	FERROUS UPGRADES - 2017	7 SC	CW	S3	03	-8,315	5,495	3,275	0	0	455	0	455	0	0	27	0	428	0	0) 0	0	0	455
0	273	ELECTRICAL REHAB - ECAP-	- 2017 SC	CW	S3	01	-1,375	1,718	-3	0	0	340	0	340	0	0	0	0	340	0	0) 0	0	0	340
0	274	REHAB OF GROUNDS & BUIL SC	LDINGS- 2017	CW	S3	03	0	472	0	0	0	472	0	472	0	0	0	0	472	0	0) 0	0	0	472
0	275	PROCESS UPGRADES & OD CONTROL ENG- 2017 SC	OUR	CW	S3	04	-93	105	0	0	0	12	0	12	0	0	1	0	11	0	0) 0	0	0	12
0	276	POLYMER UPGRADE- 2017 S	SC	CW	S3	03	-12	3,000	8,000	6,000	6,000	22,988	7,000	29,988	0	0	0	0	29,988	0	0) 0	0	0	29,988
0	277	OPERATIONS CENTRE - ENG 2017 SC	GINEERING-	CW	S3	03	-100	400	0	0	0	300	0	300	0	0	0	0	300	0	0) 0	0	0	300
0	278	ABTP - PROCESS ROADMAP 2017 SC	PHASE 2-	CW	S3	05	-975	500	250	250	0	25	0	25	0	0	0	0	25	0	0) 0	0	0	25
0	279	AIR HEADER REHAB- 2017 S	SC	CW	S3	03	450	820	0	0	0	1,270	0	1,270	0	0	0	0	1,270	0	0) 0	0	0	1,270
0	280	D BUILDING PHASE 2- 2017 S	SC	CW	S3	03	322	-1,330	8,860	8,700	8,700	25,252	9,190	34,442	0	0	0	0	34,442	0	() 0	0	0	34,442
0	281	HEATING AND AIR SYSTEMS ASSESSMENT- 2017 SC	3	CW	S3	03	-90	100	0	0	0	10	0	10	0	0	0	0	10	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	0	0	0	153	0	() 0	0	0	153
0	283	ELECTRICAL REHAB - FUTUR	RE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	0	0	0	0	2,500	0	() 0	0	0	2,500
0	284	OPERATIONS CENTRE - ENG CONSTRUCTION	GINEERING &	CW	S6	04	0	200	200	400	5,500	6,300	5,500	11,800	0	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	0	0	0	0	1,300	0) 0	0	0	1,300
0	286	STANDBY POWER GENERAT	FION- 2017	CW	S3	04	15	18	0	0	0	33	0	33	0	0	3	0	30	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	0	0	0	0	444	0	0) 0	0	0	444
0	62	CO-GENERATION- 2017 SC		CW	S3	04	-135	150	0	0	0	15	0	15	0	0	0	0	15	0	0) 0	0	0	15
		Sub-total				Ī	200	259	0	0	0	459	0	459	0	0	0	0	459	0	() ()	0	0	459
WAS	000259	TRUNK SEWER SYSTEM				ſ																			
0	15	TRUNK SEWER REHABILITA	TION - 2012	CW	S2	03	1,643	748	101	29	0	2,521	0	2,521	0	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

		- 9																					
							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year Cash	Flow Com	mitments	Finance	ed By		
<u>Sub-</u> Priori	-	 <u>Project Name</u> 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	Reser Reserves Fund	Capita ve from Is Curren		Other:	2 De	Debt - Recoverabl ebt	e Total Financing
		K SEWER SYSTEM																					
0		CREEK STS DESIGN & TRUCTION	CW	S6	05	0	400	1,100	2,750	9,300	13,550	174,450	188,000	O	0	63,748	0 124,	252	0	0	0	0	188,000
0	27 TRUN	K SEWER REHABILITATION - 2014	CW	S2	03	38,206	7,567	1,810	10	0	47,593	0	47,593	a	0	0	0 47,	593	0	0	0	0	47,593
0	34 BLACI	K CREEK STS EA	CW	S2	05	1,177	0	0	0	0	1,177	0	1,177	o	0	0	0 1,	177	0	0	0	0	1,177
0	36 TRUN FORE	K SEWER REPLACEMENT - CAST	CW	S6	03	0	150	400	550	5,275	6,375	20,247	26,622	o	0	0	0 26,	622	0	0	0	0	26,622
0	47 TRUN	K SEWER REHABILITATION - 2016	6 CW	S2	03	3,590	19,175	11,770	240	10	34,785	0	34,785	C	0	0	0 34,	785	0	0	0	0	34,785
0		K SEWER REHABILITATION - 2017 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	6,565	0	6,565	C	0	0	0 6,	565	0	0	0	0	6,565
0		K SEWER REHABILITATION - 2017 SC	CW	S3	03	260	3,171	258	492	4	4,185	0	4,185	C	0	0	0 4,	185	0	0	0	0	4,185
0	52 TRUN 2017 S	K SEWER REHABILITATION - 2012 SC	2- CW	S3	03	430	755	318	-1	15	1,517	0	1,517	O	0	0	0 1,	517	0	0	0	0	1,517
0	53 TRUN	K SEWER REHABILITATION - 2018	B CW	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	O	0	0	0 104,	131	0	0	0	0	104,131
0	54 BLACI	K CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	O	0	0	0	33	0	0	0	0	33
0	55 TRUN FORE	K SEWER REHABILITATION - CAST	CW	S6	03	0	0	0	55	55	110	149,802	149,912	0	0	0	0 149,	912	0	0	0	0	149,912
		Sub-total				31,492	48,735	34,688	34,971	44,575	194,461	372,580	567,041	0	0	63,748	0 503,	293	0	0	0	0	0 567,041
WAS0	00442 BASE	MENT FLOODING RELIEF																					
0		MENT FLOODING PROTECTION IDY PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	C	0	0	0 11,	000	0	0	0	0	11,000
0	8 BASE	MENT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	O	0	0	0 2,	076	0	0	0	0	2,076
0	9 BASE PROJ	MENT FLOODING RELIEF - TUNNE ECT	EL CW	S2	04	5,050	7,000	35,000	35,000	35,000	117,050	55,000	172,050	O	0	0	0 172,	050	0	0	0	0	172,050
0	12 ROAD PRJS	RESTORATION FOR BSMT FLDG	CW	S2	04	515	0	0	0	0	515	0	515	C	0	0	0	515	0	0	0	0	515
0	14 BASE 1	MENT FLOODING DESIGN - GROU	JP CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	C	0	0	0 2,	306	0	0	0	0	2,306
0	18 BASE 2	MENT FLOODING DESIGN - GROU	JP CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	C	0	0	0 6,	564	0	0	0	0	6,564
0	2	MENT FLOODING RELIEF - GROU			04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	C	0	0	0 131,	404	0	0	0	0	131,404
0	20 BASE 3	MENT FLOODING DESIGN - GROU	JP CW	S2	04	4,458	2,644	268	20	0	7,390	0	7,390	C	0	0	0 7,	390	0	0	0	0	7,390
0	29 BASE 1	MENT FLOODING RELIEF - GROU	P CW	S2	04	2,268	55	0	0	0	2,323	0	2,323	C	0	0	0 2,	323	0	0	0	0	2,323
0	52 BASE	MENT FLOODING RELIEF - FUTUR	RE CW	S6	04	0	0	0	0	0	0	164,200	164,200	C	0	0	0 164,	200	0	0	0	0	164,200
0		MENT FLOODING FLOW FORING	CW	S2	04	1,614	1,500	1,500	1,500	500	6,614	0	6,614	C	0	0	0 6,	614	0	0	0	0	6,614

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							Curr	ent and Fi	uture Year	Cash Flov	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	inanced	By		
							oun			Guoinnio					Gui	Tent and T	uture real	Casilino		litiliti	maneeu			
<u>Sub-</u> Priorit		<u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name V	Vard 3	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	bt - erable	Total Financing
-		BASEMENT FLOODING RELIEF																						
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	11,794	17,820	21,560	21,930	21,930	95,034	57,279	152,313	0	0	0	0	152,313	0		0 0	0	0	152,313
0	31	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	10,755	5,500	0	0	0	16,255	0	16,255	o	0	0	0	16,255	0	0	0 0	0	0	16,255
0	34	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	79	4,081	4,083	4,286	12,529	17,471	30,000	0	0	0	0	30,000	0	0	0 0	0	0	30,000
0 8	35	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	0	750	750	3,750	4,500	0	0	0	0	4,500	0	0	0	0	0	4,500
0 8	39	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S4	04	10,788	36,775	66,350	72,859	85,700	272,472	494,806	767,278	0	0	0	0	767,278	0	0	0	0	0	767,278
0 9	90	NEW - REFRESHING EXPIRED EA`S	CW	S6	04	0	0	800	600	300	1,700	8,500	10,200	0	0	0	0	10,200	0	0	0 0	0	0	10,200
0 9	91	BASEMENT FLOODING DESIGN - GROUP 5	CW	S6	04	0	0	0	0	0	0	62,000	62,000	0	0	0	0	62,000	0	0) 0	0	0	62,000
0 9	93	BASEMENT FLOODING PROTECTION SUBSIDY PROG - FUTURE	CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	0	0	0	0	38,500	0	(0	0	0	38,500
0	102	BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	0	0	0	0	-491	0	0	0	0	0	-491
0	103	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2017 SC	CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	0	0	0	0	1,400	0	(0 0	0	0	1,400
0	104	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	0	0	0	0	-68,743	0	0	0	0	0	-68,743
0	105	BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	0	0	0	0	235	0	0	0	0	0	235
0	106	BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	0	0	0	0	-20,307	0	(0	0	0	-20,307
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S4	04	8,486	13,164	7,840	6,388	5,000	40,878	0	40,878	0	0	0	0	40,878	0	(0	0	0	40,878
0	108	LIDAR PURCHASE	CW	S4	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	0	0	0	0	194	0	(0 0	0	0	194
0	110	BASEMENT FLOODING PROTECTION SUBSIDY PROG- 2017 SC	CW	S3	04	0	0	5,500	0	0	5,500	0	5,500	0	0	0	0	5,500	0	0	0	0	0	5,500
0	111	BASEMENT FLOODING STUDIES & EAS- 2017 SC	CW	S3	04	215	249	0	0	100	564	0	564	0	0	0	0	564	0	0) 0	0	0	564
0	112	BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	0	0	0	0	-241	0	(0	0	0	-241
0	113	BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	o	0	0	0	-641	0	0	0	0	0	-641
0	114	ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	CW	S3	04	-515	0	0	0	0	-515	0	-515	0	0	0	0	-515	0	0	0	0	0	-515
0	115	BASEMENT FLOODING STUDIES&EA`S-CW IMPLEMENT 2017SC	CW	S3	04	-6,946	-2,242	3,550	2,850	1,800	-988	3,650	2,662	0	0	0	0	2,662	0	0	0	0	0	2,662
0		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	0	-2,853

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	-																					
						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year Cash Flo	w Comm	nitments	Financed	Ву		
	oject No. <u>Project Name</u> 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	Reserve Reserves Funds	Capital from Current	Other 1	Other2	Debt Recovera Debt	able	Total inancing
WAS00044	2 BASEMENT FLOODING RELIEF																					
0 117	REAL ESTATE - IDC (FUTURE)	CW	S6	04	0	0	138	145	152	435	883	1,318	C	0	0	0 1,318	C) (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 1,	547,448
WAS00052	1 HIGHLAND CREEK WWTP - BUILDING SE	RV &																				
03	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,326	4,000	1,742	0	0	7,068	0	7,068	O	0	0	0 7,068	C) (0 0	0	0	7,068
09	HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	CW	S3	03	1,674	-674	-1,112	0	0	-112	0	-112	C	0	0	0 -112	C) (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	C) () (0	0	6,956
WAS90632	22 W&WW LABORATORIES																					
09	LAB EQUIPMENT	CW	S2	03	188	207	0	0	0	395	0	395	C	0	0	0 395	C) (0 0	0	0	395
0 22	LAB & EMP FACILITIES	CW	S6	04	0	0	0	0	0	0	20,900	20,900	o	0	0	0 20,900	C) (0 0	0	0	20,900
0 27	LAB EQUIPMENT - FUTURE	CW	S6	03	0	0	0	0	0	0	1,196	1,196	O	0	0	0 1,196	C) (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	o	0	0	0 1,123	C) (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	C) () (0	0	23,614
WAS90632	8 SWM END OF PIPE FACILITIES																					
06	DON VALLEY SWM	CW	S6	04	0	40	160	1,880	1,880	3,960	0	3,960	o	0	318	0 3,642	C) (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	0	9,871	0 112,789	C) (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	0	1,296	0 14,824	C) (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	O	0	119	0 1,356	C) (0 0	0	0	1,475
0 38	COATSWORTH CUT WETLAND	CW	S6	04	0	0	0	0	300	300	9,960	10,260	0	0	826	0 9,434	C) (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	0	3,860	0 44,090	C) (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	0	32	0 348	C) (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	C) (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	C) (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	O	0	-4	0 -39	C) (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	C) (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	203,411

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							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year (Cash Flov	w Commi	itments	Financeo	d By		
<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	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverable t	Total Financing
		1 SWM SOURCE CONTROL PROG																						
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	0	0	0	300	0	300	C	0	0	0	300	0	(0 0)	0 0	300
		Sub-total				150	150	0	0	0	300	0	300	0	0	0	0	300	0	(0 (D	0 0	300
WA	<u>906380</u>	0 HIGHLAND CREEK WWTP - ODOUR C	CONTROL																					
0	1	ODOUR CONTROL UPGRADES - PHA ENG	SE 1 CW	S2	04	524	1,020	917	100	5	2,566	0	2,566	C	0	206	0	2,360	0	(0 0)	0 0	2,566
0	2	ODOUR CONTROL UPGRADES - PHA CONSTR	SE 1 CW	S2	02	15,000	15,000	5,205	0	0	35,205	0	35,205	C	0	2,833	0	32,372	0	(0 0)	0 0	35,205
0	3	ODOUR CONTROL UPGRADES - PHA	SE 2 CW	S6	02	0	0	0	400	1,000	1,400	33,700	35,100	O	0	1,541	0	33,559	0	(0 0)	0 0	35,100
0	20	ODOUR CONTROL UPGRADES - PHA ENG-2017 SC	SE 1 CW	S3	04	476	-400	-477	339	1	-61	0	-61	C	0	-6	0	-55	0	(0 0)	0 0	-61
0	21	ODOUR CONTROL UPGRADES - PHA CONSTR- 2017 SC	SE 1 CW	S3	02	-1,999	-7,000	1,000	6,117	0	-1,882	0	-1,882	o	0	-152	0	-1,730	0	(0 0)	0 0	-1,882
		Sub-total				14,001	8,620	6,645	6,956	1,006	37,228	33,700	70,928	0	0	4,422	0	66,506	0	(0 (D	0 0	70,928
WA	<u>906486</u>	6 ASHBRIDGES BAY T.P III YR2004																						
0	3	PCS-PLANT SRVS	CW	S2	04	30	0	0	0	0	30	0	30	C	0	2	0	28	0	(0 0)	0 0	30
0	48	PCS-PLANT SRVS- 2017 SC	CW	S3	04	10	177	0	0	0	187	0	187	o	0	15	0	172	0	(0 0)	0 0	187
		Sub-total				40	177	0	0	0	217	0	217	0	0	17	0	200	0	(0 (D	0 0	217
WA	906487	7 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	0	1	0	(0 0)	0 0	1
		Sub-total				1	0	0	0	0	1	0	1	0	0	0	0	1	0	(0 (0	0 0	1
WA	\$906488	B HUMBER T.P II YR2004																						
0	2	PCS PLANT SERVICES	CW	S2	04	2	0	0	0	0	2	0	2	C	0	0	0	2	0	(0 0)	0 0	2
0	24	PCS PLANT SERVICES- 2017 SC	CW	S3	04	-1	8	0	0	0	7	0	7	C	0	1	0	6	0	(0 0)	0 0	7
		Sub-total				1	8	0	0	0	9	0	9	0	0	1	0	8	0	(0 (D	0 0	9
WA	<u>906492</u>	2 WET WEATHER FLOW MP																						
0	1	SWM INA/EA	CW	S2	04	650	350	50	0	0	1,050	0	1,050	o	0	84	0	966	0	(0 0)	0 0	1,050
0	2	PUBLIC EDUCATION	CW	S2	04	550	0	0	0	0	550	0	550	o	0	44	0	506	0	(0 0)	0 0	550
0	10	10 YEAR SWM - CONVEYANCE	CW	S6	04	0	0	4,500	6,000	6,000	16,500	30,000	46,500	C	0	3,743	0	42,757	0	(0 0)	0 0	46,500
0	11	10YR WWFMMP PUBLIC EDUCATION	CW	S6	04	0	0	610	610	610	1,830	3,050	4,880	o	0	392	0	4,488	0	(0 0)	0 0	4,880
													-											

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

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							Curr	ent and Fu	iture Year	Cash Flov	w Commitn	nents			Cur	rent and F	uture Year Ca	ash Flow	v Commi	itments	Financed	Ву		
<u>Sub-</u> Priori	<u>Project I</u> tySubProj	<u>No. Project Name</u> 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	Re Reserves F	eserve unds (Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAS9	06492 WE	T WEATHER FLOW MP																						
0	14 WW	FMP IMPLEMENTATION - DESIGN	CW	S2	04	1,570	1,450	0	0	0	3,020	0	3,020	0	0	244	0	2,776	0	(0 0	0	0	3,020
0	40 10Y	R WWFMMP IMPLEMENTATION	CW	S6	04	0	500	200	400	400	1,500	7,000	8,500	0	0	684	0	7,816	0	(0 0	0	0	8,500
0	58 SWI	M 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		RM WATER POND ASSESSMENT & ANING	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 ASH	IBRIDGES 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	61 HUN	IBER BAY LANDFORMS	CW	S6	04	0	0	0	0	0	0	5,000	5,000	0	0	0	0	5,000	0	(0 0	0	0	5,000
0		RM WATER POND ASSESSMENT & ANING - 10 YEAR	CW	S6	03	0	0	0	0	0	0	5,760	5,760	0	0	0	0	5,760	0	(0 0	0	0	5,760
0	76 SWI	M 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		RM WATER POND ASSESSMENT & ANING-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
		IBRIDGES BAY LANDFORMS-2017 S			04	-4,545	0	0	0	0	-4,545	4,550	5	0	0		0	5	0	(0	5
-		M CONVEYANCE 2017		S4	04	3,460	2,172	1,010	0	0	6,642	0	6,642	0	0		0	6,107	0	(0	0	6,642
	FEA	/BER DEFLECTOR LANDFORM SIBILITY STUDY		S4		200	0	0	0	0	200	0	200	0	0			184	0	(0	0	200
		EEN STREETS		S4	04	333	568	403	170	0	1,474	0	1,474	0	0		0	1,355	0	(0	0	1,474
	201	'FMP IMPLEMENTATION - DESIGN - 7 SC		S3	04	-872	-712	1,400	1,450	0	1,266	0	1,266	0	0			1,165	0	(0	0	1,266
		M INA/EA- 2017 SC		S3	04	-282	100	275	0	0	93	0	93	0	0		0	85	0			0	0	93
-		BLIC EDUCATION- 2017 SC		S3	04	60	610	0	0	0	670	0	670	0	0		0	616	0	(0	0	670
		M CONVEYANCE 2015- 2017 SC		S3	04	-434	200	0	0	U	-234	0	-234	0	0		0	-215	0	(0	0	-234
		FERFRONT MODELLING STUDIES		S3 S4	04	-2,303 25	-245	0 100	0 100	100	-2,548 425	75	-2,548 500	0	0		0	-2,343 460	0	(0	0	-2,548 500
U	or vvAl	Sub-total	000	94	05	6,870	100	15,948	18,530	16,410	69,909		136,794	0	-		-	30,694	0				ں ر) 136,794
<u>WA</u> S90	06495 SEV	VER ASSET PLANNING				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	.,	_,3	_,0			, '			,,		.,						
0		VER 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 SEV	VER 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	17 SEV	VER ASSET PLANNING - 10 YEAR	CW	S6	04	0	1,500	1,500	4,500	4,500	12,000	25,000	37,000	0	0	1,621	0	35,379	0	(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

							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year (Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u> 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	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - overable	Total Financing
WAS	906495	SEWER ASSET PLANNING																						
0	18	SEWER SYSTEM INSPECTION - 10 YEAI PLAN	R CW	S6	03	0	0	0	0	5,000	5,000	50,000	55,000	0	0	0	0	55,000	C) () 0	0	0	55,000
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	225	0	0	0	0	225	0	225	0	0	0	0	225	C) () 0	0	0	225
0	22	PPD - INFRASTRUCTURE PLANNING STUDIES - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	0	0	0	1,200	C) () 0	0	0	1,200
0	31	SEWER ASSET PLANNING-2017 SC	CW	S3	03	349	3,575	2,994	0	0	6,918	0	6,918	0	0	558	0	6,360	C) () 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	C) () 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	C) () 0	0	0	75
0	34	CORP IT - IDC	CW	S4	04	147	0	0	0	0	147	0	147	0	0	0	0	147	C) () 0	0	0	147
		Sub-total				14,933	29,607	16,479	14,905	9,650	85,574	75,750	161,324	0	0	3,262	0	158,062	C) () 0	0	0	161,324
WAS	906500	NEW SEWER CONSTRUCTION																						
0	4	NEW SEWERS - FUTURE	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	2,712	0	5,288	C) () 0	0	0	8,000
0	5	NEW SEWERS	CW	S2	05	506	0	0	0	0	506	0	506	о	0	315	0	191	C) () 0	0	0	506
0	24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	0	0	0	0	8,000	8,000	32,000	40,000	0	0	20,000	0	20,000	C) () 0	0	0	40,000
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	1,495	2,000	4,500	0	0	7,995	0	7,995	0	0	7,995	0	0	C) () 0	0	0	7,995
0	31	WATERFRONT SANITARY MASTER SERVICING PLAN-2017 SC	CW	S3	05	500	2,000	5,000	5,000	-8,000	4,500	-32,000	-27,500	0	0	-13,750	0	-13,750	C) () 0	0	0	-27,500
0	33	NEW SEWERS- 2017 SC	CW	S3	05	-491	560	0	0	0	69	0	69	0	0	42	0	27	C) () 0	0	0	69
0	34	WATERFRONT SANITARY MASTER SERVICING PLAN - FUTURE	CW	S6	05	0	0	0	0	0	0	21,000	21,000	0	0	5,723	0	15,277	C) () 0	0	0	21,000
0	35	DOWNSVIEW LANDS EXTERNAL UPGRADES- 2017 SC	CW	S3	05	-45	3,000	-2,950	0	0	5	0	5	0	0	5	0	0	C) () 0	0	0	5
0	36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S6	05	0	1,000	2,000	1,000	0	4,000	0	4,000	0	0	1,356	0	2,644	C) () 0	0	0	4,000
		Sub-total				1,965	8,560	9,550	7,000	1,000	28,075	26,000	54,075	0	0	24,398	0	29,677	C) () 0	0	0	54,075
WAS	906501	YARD & BUILDING RENOVATION																						
0	11	YARDS & BUILDING RENOVATION	CW	S2	04	2	2	0	0	0	4	0	4	0	0	0	0	4	C) () 0	0	0	4
		Sub-total				2	2	0	0	0	4	0	4	0	0	0	0	4	C) () 0	0	0	4
WAS	906735	DIST SEWER REHAB OPS YR2005																						
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	6	0	0	0	0	6	0	6	0	0	0	0	6	C) () 0	0	0	6

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

					Curr	rent and F	uture Year	Cash Flo	w Commitr	nents	-		Cur	rrent and F	uture Year	Cash Flow	/ Comm	itments	Financed	Ву		
	oject No. <u>Project Name</u> IbProj No. Sub-project Name	Ward Sta	at. 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		0ebt - overable	Total Financing
-	5 DIST SEWER REHAB OPS YR2005											Cabbidide										
0 18	GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2017 SC	CW S	3 03	-3	12	69	0	0	78	0	78	() 0	7	0	71	0) (0 0	0	0	78
	Sub-total			3	12	69	0	0	84	0	84	C	0 0	7	0	77	0) (0 C	0 0	0	84
WAS90674	1 HIGHLAND CREEK TP YR2005																					
0 1	WAS THICKENING AND DEWATERING - ENG	CW S	2 03	40	6	0	0	0	46	0	46	() 0	3	0	43	0) (0 0	0	0	46
0 19	WAS THICKENING AND DEWATERING - ENG- 2017 SC	CW S	3 03	-27	4	0	0	0	-23	0	-23	() 0	-1	0	-22	0) (0 0	0	0	-23
	Sub-total			13	10	0	0	0	23	0	23	C	0 0	2	0	21	0) (0 C	0 0	0	23
WAS90674;	2 HUMBER TP YR2005																					
08	ODOUR CONTROL ENGINEERING	CW S	2 04	1,275	100	60	0	0	1,435	0	1,435	() 0	0	0	1,435	0) (0 0	0	0	1,435
0 56	ODOUR CONTROL ENGINEERING-2017 SC	CW S	3 04	-74	410	540	100	20	996	0	996	C) 0	0	0	996	0) (0 0	0	0	996
	Sub-total			1,201	510	600	100	20	2,431	0	2,431	C) 0	0	0	2,431	0) (0 C) 0	0	2,431
WAS90674	3 ASHRIDGES BAY TP YR2005																					
0 1	MISC MECH ENGINEERING	CW S	2 03	786	838	87	0	0	1,711	0	1,711	C) 0	138	0	1,573	0) (0 0	0	0	1,711
0 7	SERVICE AIR UPGRADES	CW S	2 03	2,885	1,497	150	0	0	4,532	0	4,532	() 0	0	0	4,532	0) (0 0	0	0	4,532
0 59	MISC MECH ENGINEERING- 2017 SC	CW S	3 03	-386	-438	395	80	0	-349	0	-349	() 0	-29	0	-320	0) (0 0	0	0	-349
0 60	SERVICE AIR UPGRADES- 2017 SC	CW S	3 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	C) 0	109	0	4,874	0) (0 0) 0	0	4,983
WAS90675	5 WESTERN BEACHES RETROFIT																					
0 1	WESTERN BEACHES RETROFIT	CW S	2 03	4,709	3,092	1,057	15	86	8,959	0	8,959	() 0	721	0	8,238	0) (0 C	0	0	8,959
0 15	WESTERN BEACHES RETROFIT- 2017	sc cw s	3 03	-3,489	2,224	5,285	5,870	-71	9,819	86	9,905	() 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	C) 0	1,519	0	17,345	0) (0 C) 0	0	18,864
WAS90692	6 OPERATIONAL SUPPORT																					
06	FACILITY RENOVATION	CW S	2 04	1,450	1,000	0	0	0	2,450	0	2,450	C) 0	0	0	2,450	0) (0 0	0	0	2,450
0 7	RENOVATION - MERTON STREET	CW S	2 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 S	2 04	95	0	0	0	0	95	0	95	C) 0	0	0	95	0) (0 0	0	0	95
				1	1				1	1		!!										1

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 Commitm	nents			Curre	ent and Fu	uture Year (Cash Flo	w Comm	itments	Financed	Ву		
	oject No. <u>Project Name</u> ıbProj 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 _{De} Subsidy	evelopment Charges	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total
WAS90692	6 OPERATIONAL SUPPORT																						
0 71	YARD & FACILITIES - 10 YEAR PLAN	CW	S6	03	0	0	525	1,275	1,275	3,075	6,375	9,450	0	0	0	0	9,450	0	(0 0	0	0	9,450
0 95	DIVISIONAL SECURITY - BACKLOG	CW	S6	04	0	0	605	605	605	1,815	3,025	4,840	o	0	0	0	4,840	0	(0 0	0	0	4,840
0 98	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	o	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		S3	04	0	1,030	0	0	0	1,030	0	1,030	0		0	0	1,030	0		0 0	0	0	1,030
0 109	FACILITY RENOVATION- 2017 SC		S3	04	-700	-250	750	0	0	-200	0	-200	0		0	0	-200	0		0 0	0	0	-200
0 110	RENOVATION - MERTON STREET- 2017 SC		S3		0	20	0	0	0	20	0	20	0		0	0	20	0		0 0	0	0	20
0 111	DESIGNATED SUBSTANCE ABATEMENT- 2017 SC				-100	-100	0	0	0	-200	0	-200	0		0	0	-200	0		0 0	0	0	-200
0 112	EMP MONITORING NEEDS- 2017 SC		S3		-45	50	0	725	0 27	5	0	5	0	-	0	0	252	0		0 0	0	0	252
0 113 0 114	PCS UPGRADES FOR WASTEWATER TREATMENT- 2017 SC DISTRICT OPERATIONS FACILITY		S3 S4	04 04	91 250	203 250	-793 1,000	725 2,000	400	253 3,900	0	253 3,900	0		0	0	253 3,900	0		0 0 0 0	0	0	253 3,900
0 114	UPGRADES Sub-total	011	04	04	7,415	9,487	7,895	8,629	2,331	35,757	9,400	45,157	0		0	-	45,157	0		0 0 0 0			45,157
					.,	0,101	1,000	0,020	2,001		0,100	.0,101		0			10,101	0				<u> </u>	
WAS90695	8 SEWER SYSTEM REHABILITATION																						
0 2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	o	0	1	0	9	0	(0 0	0	0	10
05	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	0	0	0	0	59	0	(0 0	0	0	59
07	10 YEAR SEWER REHABILITATION		S6		0	1,500	41,400	51,900	57,945	152,745	305,230	457,975	0		0		457,975	0		0 0	0	0	457,975
0 8	SPS SCADA UPGRADES - ENGINEERING				561	0	0	0	0	561	0	561	0		45		516	0	(0 0	0	0	561
09	SEWER REHABILITATION		S2		9,700	3,581	0	0	0	13,281	0	13,281	0	0	0	0	13,281	0	(U 0	0	0	13,281
	SEWAGE PUMPING STATION STANDBY POWER GROUP 5 SEWAGE PUMPING STATION				163	0	0	0	0	163	0	163	0	U	13	0	150	0	(u 0	U	0	163
0 24 0 79	GROUP 5 SEWAGE PUMPING STATION UPGRADES SEWER REHABILITATION - CWD		S2		7,708 34,274	6,300 15,250	6,165 0	1,928 0	28	22,129 49,524	0	22,129	0		1,781 3,551		20,348	0		0 0 0 0		0	22,129 49,524
0 79	CCTV INSPECTION-2017 SC		S2 S3		1,141	15,250	0	0	0		0	49,524 2,341	0		3,551		45,973 2,341	0		0 0		0	49,524 2,341
0 01		011	00	00	1,171	1,200	0	5	0	2,041	0	2,041		Ŭ	0	v	2,071	0	,	. 0	0	Ĭ	2,071

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							Curr	ent and Fu	uture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	nitments	Finance	ed By			
<u>Su</u> Pri		oject No. <u>Project Name</u> IbProj No. Sub-project Name	War	d Stat	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	Capital from Current	Other 1	Other2	2 Del	Debt - Recovera bt		Total Financing
	S906958	, ,												Cabolaloo										╈	
0	82	SEWER REHABILITATION-2017 SC	CI	N S3	03	14,453	12,580	6,036	36	0	33,105	0	33,105	0	0	0	0	33,105	0)	0	0	0	0	33,105
0	83	SEWER REHABILITATION - CWD-20	17 SC C\	W S3	03	4,258	23,711	18,200	1,700	1,700	49,569	1,850	51,419	0	0	-3,551	0	54,970	0)	0	0	0	0	51,419
0	86	SEWAGE PUMPING STATION STAN POWER - 2017 SC	DBY C\	V S3	02	-144	114	0	0	0	-30	0	-30	0	0	-2	0	-28	0)	0	0	0	0	-30
0	87	GROUPS 2 3 4 SEWAGE PUMPING STATION UPGR- 2017 SC	CI	V S3	03	0	32	0	0	0	32	0	32	0	0	3	0	29	0)	0	0	0	0	32
0	88	SPS SCADA UPGRADES - ENGINEE 2017 SC	RING- C\	N S3	04	-173	214	0	0	0	41	0	41	0	0	3	0	38	0)	0	0	0	0	41
0	89	GROUP 5 SEWAGE PUMPING STAT UPGRADES- 2017 SC				-4,308	0	100	2,000	2,100	-108	0	-108	0	-		0	-99	0		-	0	0	0	-108
0	90	SEWER REHABILITATION - LATERA REHAB I/I REDUCTION	L C\	N S6	03	0	0	100	1,000	1,000	2,100	200	2,300	0	-		0	2,300	0		-	0	0	0	2,300
		Sub-total				67,702	64,482	72,001	58,564	62,773	325,522	307,280	632,802	0	0	1,835	0	630,967	0)	0	0	0	0	632,802
WA	S906960	0 STREAM RESTORATION & EROSION	N CONTRO	2																					
0	1	HIGHLAND CREEK STREAM RESTORATION	CI	N S2	04	42	0	0	0	0	42	0	42	o	0	3	0	39	0)	0	0	0	0	42
0	5	10 YEAR STREAM RESTORATION - DISTRICTS	ALL C\	N S6	03	0	0	0	0	0	0	38,950	38,950	0	0	3,135	0	35,815	0)	0	0	0	0	38,950
0	7	STREAM RESTORATION	CI	N S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	0	0	1,192	0	13,619	0)	0	0	0	0	14,811
0	37	WATERCOURSE EROSION CONTRO	DL C\	N S6	03	0	0	0	0	0	0	11,000	11,000	0	0	887	0	10,113	0)	0	0	0	0	11,000
0	39	STREAM RESTORATION - PHASE 2	CI	N S2	03	2,850	8,350	8,800	4,400	2,200	26,600	9,790	36,390	0	0	2,927	0	33,463	0)	0	0	0	0	36,390
0	41	WATERCOURSE - ENGINEERING	CI			100	1,175	1,135	1,025	1,030	4,465	1,490	5,955	0			0	5,475	0			0	0	0	5,955
0	43	PARTNER PROJECTS	CI	N S4	03	1,000	1,600	1,600	600	200	5,000	0	5,000	0	0	403	0	4,597	0)	0	0	0	0	5,000
0	45	WATERCOURSE - CONSTRUCTION	CI	V S6	03	0	100	4,050	10,600	9,130	23,880	14,000	37,880	o	0	3,051	0	34,829	0)	0	0	0	0	37,880
0	48	STREAM RESTORATION - 2017 SC	CI	V S3	03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	0	-943	0	-10,773	0)	0	0	0	0	-11,716
0	49	STREAM RESTORATION - PHASE 2 SC	-2017 C\	N S3	03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	0	-2,927	0	-33,463	0)	0	0	0	0	-36,390
0	50	HIGHLAND CREEK STREAM RESTORATION- 2017 SC	CI	V S3	04	3	0	0	0	0	3	0	3	0	0	1	0	2	0)	0	0	0	0	3
0	51	STUDIES, EAS, MASTER PLANS	CI			910	1,740	1,930	860	410	5,850	50	5,900	0	-		0	5,426	0		-	0	0	0	5,900
0	52	CRITICAL REPAIRS		N S4		825	1,775	1,500	1,275	1,575	6,950		9,505	0	-		0	8,739	0)	0	0	0	0	9,505
0	53	EMERGENCY EROSION CONTROL	CI	N S4	03	300	740	850	300	300	2,490	150	2,640	0	0	212	0	2,428	0)	0	0	0	0	2,640

CITY OF TORONTO

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

1												1												
					,	Curre	ent and Fu	ture Year	Cash Flo	v Commitn	nents			Cur	rent and F	uture Year	Cash Flo	ow Comm	itments	Finance	d By		 _	
Sub- P	roject No. Project Name									Total	Total	Total	Provincial	Federal r	Development		Reserve	Capital from				Debt Recover		Total
	ubProj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Grants and Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Deb	ot		Financing
WAS90696	60 STREAM RESTORATION & EROSION CO	DNTRC																						
0 54	STUDY, EA, MASTER PLAN UPDATES - FUTURE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	0	0	200	0	2,300	0		0	0	0	0	2,500
	Sub-total				5,986	7,419	11,065	14,660	12,645	51,775	70,695	122,470	0	0	9,861	0	112,609	0		0	0	0	0	122,470
WAS90696	66 SWM TRCA FUNDING																							
08	10 YEAR TRCA FUNDING	CW	S6	04	0	4,382	4,491	4,604	4,719	18,196	25,425	43,621	0	0	3,511	0	40,110	0		0	0	0	0	43,621
0 23	TORONTO WATER TRANSFER TO TRCA CAPITAL-2017 SC	CW	S3	04	4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0		0	0	0	0	4,275
	Sub-total				4,275	4,382	4,491	4,604	4,719	22,471	25,425	47,896	0	0	3,855	0	44,041	0		0	0	0	0	47,896
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	0	0	0	0	36,605	0		0	0	0	0	36,605
0 59	ROAD RESTORATION	CW	S2	03	1,838	0	0	0	0	1,838	0	1,838	0	0	0	0	1,838	0		0	0	0	0	1,838
0 64	CONSULTING FEES	CW	S3	03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	0	0	0	0	10,040	0		0	0	0	0	10,040
0 65	ECS SALARIES	CW	S3	03	13,936	0	0	0	0	13,936	0	13,936	0	0	0	0	13,936	0		0	0	0	0	13,936
0 66	ROAD RESTORATION- 2017 SC	CW	S3	03	-1,038	800	0	0	0	-238	0	-238	0	0	0	0	-238	0		0	0	0	0	-238
	Sub-total				26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	0	0	0	62,181	0		0	0	0	0	62,181
WAS9069	73 SEWER REPLACEMENT PROGRAM																							
03	10YR SEWER REPLACEMENT	CW	S6	03	0	0	9,000	15,000	15,000	39,000	75,000	114,000	0	0	5,001	0	108,999	0		0	0	0	0	114,000
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0		0	0	0	0	10
0 25	2012 SEWER REPLC	CW	S2	03	415	0	0	0	0	415	0	415	0	0	0	0	415	0		0	0	0	0	415
0 35	2013 SEWER REPLC	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0		0	0	0	0	1
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	631	0	0	0	0	631	0	631	0	0	2	0	629	0		0	0	0	0	631
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW	S6	03	0	0	0	1,000	2,000	3,000	10,000	13,000	0	0	0	0	13,000	0		0	0	0	0	13,000
0 46	EBF REPORT	CW	S2	04	41	0	0	0	0	41	0	41	0	0	27	0	14	0		0	0	0	0	41
0 52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,951	1,900	1,786	0	0	5,637	0	5,637	0	0	0	0	5,637	0		0	0	0	0	5,637
0 55	SEWER REPLACEMENT - LESLIE ST 20 SC	17 CW	S3	03	147	0	0	0	0	147	0	147	0	0	12	0	135	0		0	0	0	0	147
0 62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	0	0	137	0	1,556	0		0	0	0	0	1,693
0 71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	0	0	1,194	0	13,638	0		0	0	0	0	14,832

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

							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year (Cash Flo	w Comm	itments	Financed	Ву		
_		<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	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
WA	S906973	SEWER REPLACEMENT PROGRAM																						
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	C	0	0	0	23,475	0) (0 0	C	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	C	0	660	0	7,542	0) (0 0	C	0	8,202
0	79	SEWER REPLC - 2018 PROGRAM	CW	S6	03	0	4,266	1,216	608	0	6,090	0	6,090	O	0	267	0	5,823	0) (0 0	C	0	6,090
0	81	SEWER REPLC - 2014 PROGRAM - 201 SC	7 CW	S3	03	-607	335	0	0	0	-272	0	-272	C	0	27	0	-299	0) (0 0	C	0	-272
0	82	SEWER REPLACEMENT - METROLINX 2017 SC	- CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	C	0	0	0	540	0) (0 0	C	0	540
0	83	FORCEMAIN REPLACEMENT- 2017 SC	CW	S3	03	-5	25	0	0	0	20	0	20	C	0	0	0	20	0) (0 0	C	0	20
0	84	2012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	O	0	0	0	-293	0) (0 0	C	0	-293
0	85	EBF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	C	0	627	0	332	0) (0 0	C	0	959
0	86	EBF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	C	0	2,905	0	1,537	0) (0 0	C	0	4,442
0	87	SEWER REPLC - 2015 PROGRAM- 2017 SC	7 CW	S3	03	314	505	0	0	0	819	0	819	C	0	65	0	754	0) (0 0	C	0	819
0	88	SEWER REPLC - 2016 PROGRAM- 2017 SC	7 CW	S3	03	-4,021	4,788	0	0	0	767	0	767	C	0	62	0	705	0) (0 0	C	0	767
0	89	FORCEMAIN REPLACEMENT - 2016- 20 SC	017 CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	C	0	0	0	-1,250	0) (0 0	C	0	-1,250
		Sub-total				19,132	27,950	24,334	18,549	18,941	108,906	85,000	193,906	0	0	10,986	0	182,920	0) (0 0) () (193,906
WA	S906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	S CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	O	0	100	0	1,148	0) (0 0	C	0	1,248
0	42	DEWATERING EQUIPMENT UPGRADES 2017 SC	6- CW	S3	03	-1,248	0	0	0	0	-1,248	0	-1,248	C	0	-100	0	-1,148	0) (0 0	C	0	-1,248
		Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0) (0 0)) (0
WA	S906981	HIGHLAND CREEK WWTP UPGRADES																						
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	O	0	0	0	5,828	0) (0 0	C	0	5,828
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,075	120	120	70	0	10,385	0	10,385	C	0	842	0	9,543	0) (0 0	C	0	10,385
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	510	500	0	0	0	1,010	0	1,010	C	0	81	0	929	0) (0 0	C	0	1,010
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	0) (0 0	C	0	671
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	9,238	2,525	1,300	0	0	13,063	0	13,063	O	0	0	0	13,063	0) (0 0	C	0	13,063
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	0	0	0	0	10,207	0) (0 0	(0	10,207
4																								

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

							Curre	ont and Fi	uture Year	Cash Floy		nonts			Cur	ront and E	uture Year (Cash Elo	w Comm	itmonte l	Financod	By		
							Curre				v commu				Cui	rent and F	uture rear				Indiceu	-	\neg	
<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	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
	-	HIGHLAND CREEK WWTP UPGRADES	mara	olul.	001.						2011 2021		2011 2020	Subsidies									Ť	
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	390	0	0	0	0	390	0	390	0	0	0	0	390	0) 0	0 0	0	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	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	0	0	540
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	245	0	0	0	0	245	0	245	0	0	0	0	245	0) 0	0 0	0	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	0	0	11,907
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	10,090	12,000	12,000	10,900	10,000	54,990	0	54,990	0	0	0	0	54,990	0) 0	0 0	0	0	54,990
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	8,100	6,500	8,600	3,700	3,100	30,000	18,680	48,680	0	0	0	0	48,680	0	0	0 0	0	0	48,680
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	122,000	122,000	0	0	0	0	122,000	0) 0	0 0	0	0	122,000
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0) 0	0 0	0	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	0	0	-1,177
0	125	TRANSFORMERS AND SWITCHGEAR-2017 SC	CW	S3	05	-500	-310	800	500	0	490	0	490	0	0	39	0	451	0	0	0 0	0	0	490
0	126	ELEC SYSTEM UPGRADES - CONSTR-2017 SC	CW	S 3	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	S 3	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	0	0	7,614
0	129	LIQUID TRAIN - ENGINEERING-2017 SC	CW	S3	03	-6,000	-4,200	100	0	0	-10,100	11,800	1,700	0	0	0	0	1,700	0) 0	0 0	0	0	1,700
0	130	LIQUID TRAIN REPAIRS - PHASE 1-2017 SC	CW	S 3	03	-5,001	500	1,600	2,000	900	-1	0	-1	0	0	0	0	-1	0	<i>)</i> 0	0 0	0	0	-1
0	131	AERATION SYSTEM&ASSOCIATED BLDC UPGRADES -2017 SC	G CW	S 3	04	-8,090	2,000	2,000	2,000	2,100	10	0	10	0	0	0	0	10	0	<i>)</i> 0	0 0	0	0	10
0	132	PROCESS & FACILITY UPGRADE- 2017 SC	CW	S3	04	-1,912	1,426	400	209	512	635	0	635	0	0	0	0	635	0	0	0 0	0	0	635
0	133	MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	CW	S3	03	-357	120	0	0	0	-237	0	-237	0	0	0	0	-237	0) 0	0 0	0	0	-237
0	134	ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	03	-634	173	-2,430	-1,210	0	-4,101	0	-4,101	0	0	0	0	-4,101	0) 0	0 0	0	0	-4,101
0	135	DIGESTER CLEANING REHAB IMPROVEMENTS #4-7- 2017 SC	CW	S3	03	0	-30	39	-39	15	-15	14	-1	0	0	0	0	-1	0) 0	0 0	0	0	-1

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

							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ture Year (Cash Flo	w Comm	nitments	Financed	Ву		
<u>Sut</u> Pric		<u>iject 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 I	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recov Debt		Total Financing
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	136	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017 SC	CW	S3	03	-195	100	100	0	0	5	0	5	C	0	0	0	5	C) (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	C	0	0	0	-1,240	C) (0 0	0	0	-1,240
0	138	COMMUNICATION SYSTEM- 2017 SC	CW	S 3	04	-300	-475	-1,425	1,100	1,200	100	50	150	O	0	0	0	150	() (0 0	0	0	150
		Sub-total				18,355	35,168	42,531	29,003	19,567	144,624	196,229	340,853	0	0	865	0	339,988	C) (0 0	0	0	340,853
WAS	906982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	451	0	0	0	0	451	0	451	C	0	0	0	451	C) (0 0	0	0	451
0	5	FLOOD PROTECTION	CW	S2	02	180	0	0	0	0	180	0	180	o	0	0	0	180	() (0 0	0	0	180
0	6	NEW SUBSTATION	CW	S2	03	42	5	0	0	0	47	0	47	C	0	0	0	47	C) (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	C	0	0	0	6,231	() (0 0	0	0	6,231
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	670	410	160	25	25	1,290	0	1,290	C	0	0	0	1,290	C) (0 0	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 0	0	0	8,074
0	81	BLOWER REPLACEMENT	CW	S2	03	475	0	100	200	750	1,525	17,350	18,875	C	0	0	0	18,875	C) (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	C	0	0	0	6,500	C) (0 0	0	0	6,500
0	83	ELECTRICAL UPGRADES - FUTURE	CW	S6	01	0	0	0	0	400	400	1,800	2,200	C	0	0	0	2,200	C) (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	C	0	0	0	5,150	C) (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	C	0	0	0	1,509	() (0 0	0	0	1,509
0	99	WET WEATHER FLOW	CW	S2	04	2,315	1,450	1,000	0	0	4,765	0	4,765	o	0	0	0	4,765	C) (0 0	0	0	4,765
0	101	FLOOD PROTECTION-2017 SC	CW	S3	02	20	0	0	0	0	20	0	20	C	0	0	0	20	C) (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	C	0	0	0	3,052	C) (0 0	0	0	3,052
0	103	BLOWER REPLACEMENT-2017 SC	CW	S 3	03	-225	250	0	0	0	25	0	25	C	0	0	0	25	C) (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	C	0	0	0	7,941	C) (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	C	0	0	0	35	() (0 0	0	0	35
0	107	MESI UPGRADES	CW	S4	03	500	500	500	500	500	2,500	0	2,500	C	0	0	0	2,500	C) (0 0	0	0	2,500
0	108	BUILDING UPGRADES ENGINEERING- 2017 SC	CW	S3	03	30	100	0	0	0	130	0	130	C	0	0	0	130	C) (0 0	0	0	130

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

								Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents	[Cur	rent and F	uture Year	Cash Flo	w Comm	itments I	Financed	By		
																				Capital			, Deb	-	
Sub Pric		ject No. Project Nam Proj No. Sub-project I		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	from Current	Other 1	Other2	Recove		Total Financing
WAS	906982	HUMBER WWTP UPGR/	ADES																						
0	109	CHLORINE FACILITY UF	GRADE- 2017 SC	C CW	S3	01	-390	638	0	0	0	248	0	248	O	0 0	0	0	248	0) (0 0	0	0	248
0	110	ELECTRICAL CONDITIO RECOM- 2017 SC	N ASSESSMENT	CW	S3	01	-1,232	275	1,610	0	0	653	0	653	0	0 0	0	0	653	0) () 0	0	0	653
0	111	NEW SUBSTATION- 201	7 SC	CW	S3	03	-4	0	0	0	0	-4	0	-4	o	0 0	0	0	-4	0) (0 0	0	0	-4
0	112	NEW GROUNDSKEEPIN 2017 SC	IG BUILDING-	CW	S3	01	17	0	0	0	0	17	0	17	C	0 0	0	0	17	0) () 0	0	0	17
0	113	ADMIN BUILDING EXPAI ENGINEERING- 2017 SC		CW	S3	04	-387	90	445	475	418	1,041	20	1,061	O	0 0	0	0	1,061	0) () 0	0	0	1,061
0	114	FIELD OFFICE- 2017 SC		CW	S3	03	322	0	0	0	0	322	0	322	C	0 0	0	0	322	0) (0 0	0	0	322
0	115	ADMIN BUILDING EXPAI	NSION -	CW	S6	04	0	100	4,000	3,900	455	8,455	0	8,455	C	0 0	0	0	8,455	0) () 0	0	0	8,455
0	116	SERVICE REHAB AND U	IPGRADES	CW	S4	03	500	1,000	500	8,250	8,250	18,500	8,000	26,500	C	0 0	0	0	26,500	0) () 0	0	0	26,500
		Sub-total					9,596	13,768	17,965	18,590	12,388	72,307	33,920	106,227	0	0	0	0	106,227	0) () 0	0	0	106,227
WAS	906994	HIGHLAND CREEK WW	TP - SOLIDS & G/	AS HA																					
0	1	HIGHLAND CREEK WW	TP - BMP	CW	S2	04	3,029	4,340	1,600	655	2,000	11,624	500	12,124	C	0 0	976	0	11,148	0) () 0	0	0	12,124
0	3	WAS THICKENING - CO	NSTR	CW	S2	03	102	0	0	0	0	102	0	102	C	0 0	8	0	94	0) (0 0	0	0	102
0	8	HIGHLAND CREEK WW	TP - BMP	CW	S6	04	0	0	0	10,000	25,000	35,000	65,000	100,000	O	0 0	4,388	0	95,612	0) () 0	0	0	100,000
0	17	WAS THICKENING - CO	NSTR-2017 SC	CW	S3	03	-52	504	0	0	0	452	0	452	o	0 0	37	0	415	0) () 0	0	0	452
0	18	HCTP BMP IMPLEMENT	ATION-2017 SC	CW	S3	04	-2,929	-1,840	900	1,845	200	-1,824	5,100	3,276	o	0 0	263	0	3,013	0) () 0	0	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
WAS	907038	Land Acquisition for Sour	ce Water Protect																						
0	9	TRCA - CRITICAL EROS FUTURE	ION SITES -	CW	S6	04	0	2,000	2,000	2,000	2,000	8,000	10,000	18,000	O	0 0	1,449	0	16,551	0) () 0	0	0	18,000
0	14	TRCA - SCARBOROUGH TRAIL EA	I WATERFRONT	CW	S2	04	85	0	0	0	0	85	0	85	C	0 0	7	0	78	0) () 0	0	0	85
0	21	TRCA - WATERCOURSE CONTROL	EROSION	CW	S6	04	0	6,000	7,500	7,500	7,500	28,500	43,500	72,000	C	0 0	5,795	0	18,205	0) (48,000	0	0	72,000
0	25	TRCA - SCARBOROUGH WEST EA	I WATERFRONT	CW	S2	04	1,385	400	0	0	0	1,785	0	1,785	o	0 0	47	0	1,738	0) () 0	0	0	1,785
0	27	TRCA - CRITICAL EROS SC	ION SITES-2017	CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	o	0 0	644	0	7,356	0) () 0	0	0	8,000
0	28	TRCA - SCARBOROUGH WEST EA - 2017 SC	I WATERFRONT	CW	S3	04	-385	600	350	0	0	565	0	565	O	0 0	141	0	424	0) () 0	0	0	565
		Sub-total					9,085	9,000	9,850	9,500	9,500	46,935	53,500	100,435	0	0	8,083	0	44,352	0) (48,000	0	0	100,435
WAS	907097	ASHBRIDGES BAY WW	rp - Building Se	ERVIC																					

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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			Cur	rent and Fu	uture Year Cash F	low Com	nitments	Financed	іВу		
<u>Sub</u> 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 I Subsidy	Development Charges	Reserve Reserves Funds	Capital e from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
-			GES BAY WWTP - BUILDING SE	RVIC																				
0	7		LLED SUBSTANCE CATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0 10	0	0	0 0	0 0	0	100
0	19	BIO GAS	UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	0	0	0	0 4,43	5	0	0 0	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	0	0	0	0 5,31	5	0	0 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	0	0	0	0 1,30	0	0	0 0) 0	0	1,300
0	52		LLED SUBSTANCE CATION&ABATEMENT - FY	CW	S6	03	0	0	0	0	100	100	500	600	0	0	0	0 60	0	0	0 0) 0	0	600
0	61		LLED SUBSTANCE CATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	0	0	0	0 30	0	0	0 0	0 0	0	300
0	62	BIO GAS	UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	0	0	0	0 1,86	5	0	0 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	0	0	0	0 46	5	0	0 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	0	0	0	0 1,83	5	0	0 0) 0	0	1,835
			Sub-total				1,540	4,075	3,070	2,265	2,310	13,260	2,955	16,215	0	0	0	0 16,21	5	0	0 0	0 0	C	16,215
WAS	907098	ASHBRID	GES BAY WWTP - EFFLUENT S	YSTE																				
0	1	DISINFEC	CTION ENGINEERING	CW	S2	02	4,184	6,200	960	167	123	11,634	0	11,634	0	0	936	0 10,69	8	0	0 0	0 0	0	11,634
0	2	OUTFALL	CONSTRUCTION	CW	S6	02	0	5,000	30,000	52,000	57,000	144,000	183,000	327,000	0	0	14,342	0 312,65	8	0	0 0) 0	0	327,000
0	13	OUTFALL	ASSESSMENT	CW	S2	02	940	0	0	0	0	940	0	940	0	0	94	0 84	6	0	0 0	0 0	0	940
0	14	OUTFALL	ENGINEERING	CW	S2	02	8,710	4,500	5,000	5,000	5,000	28,210	6,929	35,139	0	0	2,827	0 32,31	2	0	0 0	0 0	0	35,139
0	15	DISINFEC	CTION SYSTEM CONSTRUCTION	I CW	S4	02	100	75,000	90,000	64,900	0	230,000	0	230,000	0	0	18,510	0 211,49	0	0	0 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	0	0	2	0 2	8	0	0 0) 0	0	30
0	29	OUTFALL	ASSESSMENT - 2017 SC	CW	S3	02	-940	0	0	0	0	-940	0	-940	0	0	-94	0 -84	6	0	0 0) 0	0	-940
0	30	OUTFALL	ENGINEERING- 2017 SC	CW	S3	02	-4,810	175	-620	-1,600	-1,600	-8,455	2,906	-5,549	0	0	-446	0 -5,10	3	0	0 0	0 0	0	-5,549
0	31	OUTFALL	- SITE PREP	CW	S4	02	50	450	0	0	0	500	0	500	0	0	40	0 46	60	0	0 0	0 0	0	500
			Sub-total				5,060	91,525	126,877	121,907	60,475	405,844	192,910	598,754	0	0	36,211	0 562,54	3	0	0 0	0 0	C	598,754
WAS	907099	ASHBRID	GES BAY WWTP - LIQUID TREA	TMEN																				
0	1	FINE BUE	BLE AERATION - TANK #2	CW	S2	03	510	0	0	0	0	510	0	510	0	0	42	0 46	8	0	0 0) 0	0	510
0	2	ODOUR (UPGRAD	CONTROL - PRIMARY TANKS 7-9 ES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	0	0	2,679	0 58,42	1	0	0 0) 0	0	61,100

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

	· · · · · · · · · · · · · · · · · · ·																						
						Curre	ent and Fu	iture Year	Cash Flov	w Commitr	nents			Cur	rent and Fu	uture Year C	ash Flo	w Comm	itments F	inanced	Ву		
	roject No. <u>Project Name</u> 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 I Subsidy	Development Charges	R Reserves	eserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt	rable	Total Financing
WAS90709	99 ASHBRIDGES BAY WWTP - LIQUID TRE	ATMEN																					
03	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	0	46,863
06	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,399	0	0	0	0	5,399	0	5,399	0	0	0	0	5,399	0) 0	0	0	0	5,399
0 10	INTEGRATED PUMPING STATION (IPS) ENGINEERING	- CW	S2	03	6,740	8,000	8,000	8,000	7,500	38,240	12,250	50,490	0	0	0	0	50,490	0) 0	0	0	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	0	3
0 39	INTEGRATED PUMPING STATION (IPS) CONSTRUCTION	- CW	S2	03	0	10,000	45,000	45,000	50,000	150,000	175,000	325,000	0	0	0	0 3	325,000	0) 0	0	0	0	325,000
0 71	INTEGRATED PUMPING STATION (IPS) ENG-2017 SC	- CW	S3	03	-1,310	-1,371	-765	-3,290	-1,521	-8,257	7,134	-1,123	0	0	0	0	-1,123	0) 0	0	0	0	-1,123
0 72	P BLDG HEADWORKS UPGRADE-2017 SC	CW	S3	03	-25,010	10,271	17,074	0	0	2,335	0	2,335	0	0	187	0	2,148	0) 0	0	0	0	2,335
0 73	INTEGRATED PUMPING STATION (IPS) CONST-2017 SC	- CW	S3	03	250	-6,850	-30,000	-18,642	-3,000	-58,242	112,875	54,633	0	0	0	0	54,633	0) 0	0	0	0	54,633
0 74	FINE BUBBLE AERATION - TANK #2 - 20 SC	17 CW	S3	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	S3	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 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	0	957
0 77	FINE BUBBLE AERATION - ENGINEERIN	NG 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	0	18,200
0 78	FINE BUBBLE AERATION - CONTRUCTION	CW	S6	03	0	0	15,000	15,000	15,000	45,000	30,000	75,000	0	0	3,290	0	71,710	0) 0	0	0	0	75,000
0 79	FINE BUBBLE AERATION UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	57,000	57,000	0	0	2,500	0	54,500	0) 0	0	0	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 6	682,474	0	0 0	0	0	0	696,414
WAS90710	00 ASHBRIDGES BAY WWTP - SOLIDS & 0	GAS HA																					
03	WASTE ACTIVATED SLUDGE UPGRADE ENGINEERING	E- CW	S2	03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	0	981	0	11,213	0) 0	0	0	0	12,194
0 4	DIGESTERS 9-12 REFURBISH	CW	S2	03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	0	2,901	0	33,165	0	0 0	0	0	0	36,066
08	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	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 UPGRADE	∃- CW	S4	03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	0	12,071	0 ~	137,929	0	0	0	0	0	150,000
0 25	PELLETIZER TRUCK LOADING FACILIT UPGRADES	Y CW	S2	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 RETROFIT-20 SC	17 CW	S3	03	0	400	400	0	0	800	0	800	0	0	0	0	800	0	0 0	0	0	0	800
0 46	DIGESTERS 9-12 REFURBISH - 2017 SC	c cw	S3	03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0	0	335	0	3,813	0) 0	0	0	0	4,148
0 47	WASTE ACTIVATED SLUDGE UPGRADE ENG - 2017 SC	E- CW	S3	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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							Curre	nt and Fu	ture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub-</u> Prior		ect No. <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		ebt - verable	Total Financing
	-	ASHBRIDGES BAY WWTP - SOLIDS & C												Cubbilatee										
0		PELLETIZER TRUCK LOADING FACILIT JPGRADES-2017 SC	Y CW	S3	03	-480	200	290	0	0	10	0	10	O	0 0	0	0	10	C) (0 0	0	0	10
		Sub-total				7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0	0	16,285	0	189,770	() (0 C	0	0	206,055
WAS9	07101	ASHBRIDGES BAY WWTP - O&M UPGR	ADES																					
0	5 I	BOILER #4 DESIGN	CW	S2	03	47	6	0	0	0	53	0	53	C	0 0	0	0	53	C) (0 C	0	0	53
0	6 1	MESI UPGRADES	CW	S2	03	3,448	3,074	3,167	0	0	9,689	0	9,689	C	0 0	0	0	9,689	C) (0 0	0	0	9,689
0	7 1	MISC MECH REHAB	CW	S2	03	8,120	1,900	0	0	0	10,020	0	10,020	C	0 0	0	0	10,020	C) (0 0	0	0	10,020
0	21 1	MESI UPGRADES - FUTURE YEAR	CW	S6	03	0	0	0	3,000	3,000	6,000	15,400	21,400	C	0 0	0	0	21,400	C) (0 0	0	0	21,400
0	32 1	MISC MECH REHAB- 2017 SC	CW	S3	03	-3,120	3,196	0	0	0	76	0	76	C	0 0	0	0	76	C) (0 0	0	0	76
0	33 I	BOILER #4 DESIGN- 2017 SC	CW	S3	03	63	5	6	0	0	74	0	74	o	0 0	0	0	74	C) (0 0	0	0	74
0	34 I	MESI UPGRADES- 2017 SC	CW	S3	03	-463	0	0	0	0	-463	0	-463	o	0 0	0	0	-463	C) (0 0	0	0	-463
		Sub-total				8,095	8,181	3,173	3,000	3,000	25,449	15,400	40,849	0	0	0	0	40,849	() (0 0	0	0	40,849
WAS9	07102	ASHBRIDGES BAY WWTP - ODOUR CO	NTROL																					
0	6 I	BIOFILTERS UPGRADE & REPLACEME	NT CW	S2	03	10,098	122	0	0	0	10,220	0	10,220	C	0 0	823	0	9,397	C) (0 0	0	0	10,220
0	13 I	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	992	0	0	0	0	992	0	992	C	0 0	80	0	912	C) (0 0	0	0	992
0		D BUILDING TREATMENT & BIOFILTER	- CW	S3	03	-98	110	0	0	0	12	0	12	C	0 0	1	0	11	C) (0 C	0	0	12
0		BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	CW	S3	03	-3,598	2,815	100	0	0	-683	0	-683	o	0 0	-56	0	-627	C) (0 0	0	0	-683
		Sub-total				7,394	3,047	100	0	0	10,541	0	10,541	0	0	848	0	9,693	() (0 C	0	0	10,541
WAS9	07104 I	HUMBER WWTP - LIQUID TREATMENT	& HANI																					
0		SECONDARY TREATMENT UPGRADES SOUTH - ENGINEERING	- CW	S2	03	3,811	3,350	3,332	3,250	2,193	15,936	544	16,480	C	0 0	1,328	0	15,152	C) (0 0	0	0	16,480
0		SECONDARY TREATMENT UPGRADES	- CW	S6	03	0	0	0	0	150	150	74,350	74,500	C	0 0	3,269	0	71,231	C) (0 0	0	0	74,500
0		SECONDARY TREATMENT UPGRADES SOUTH - CONS	- CW	S2	03	45,000	45,000	45,000	45,000	45,000	225,000	0	225,000	o	0 0	18,115	0	206,885	() (0 0	0	0	225,000
0		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	o	0 0	-5,390	0	-61,607	C) (0 0	0	0	-66,997
0		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 0	740	0	8,512	C) (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	0	18,062	0	240,173	C) (0 0	0	0	258,235
WAS9	07105 I	HUMBER WWTP - O&M UPGRADES																						

CITY OF TORONTO

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

							Curre	ent and Fu	uture Year	Cash Flov	w Commitr	nents			Cu	rrent and F	uture Year Cas	h Flow C	ommitmer	nts Fin	anced B	у		
		j <u>ect 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	Development Charges	Rese Reserves Fur	Caj erve fro nds Cur	om	er1 O	ther2	Debt Recove Debt	rable	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	0	0	0 0	0 3	,723	0	0	0	0	0	3,723
0	2	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	0	0	25	0	291	0	0	0	0	0	316
0	31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	0	0	0 0	0	343	0	0	0	0	0	343
0	32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	0	0	-25	0	-291	0	0	0	0	0	-316
		Sub-total				3,942	60	64	0	0	4,066	0	4,066	0	0	0	0 4	,066	0	0	0	0	0	4,066
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	0	0	694	0 7	,938	0	0	0	0	0	8,632
0	13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	0	0	341	0 3	,892	0	0	0	0	0	4,233
		Sub-total				6,255	6,610	0	0	0	12,865	0	12,865	0	0	1,035	0 11	,830	0	0	0	0	0	12,865
WAS	907224	SEWAGE PUMPING STATION UPGRADES	<u>i</u>																					
0	1	SPS UPGRADES	CW	S2	02	2,593	0	0	0	0	2,593	0	2,593	0	0	209	0 2	2,384	0	0	0	0	0	2,593
0	18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	0	0	1,842	0 21	,029	0	0	0	0	0	22,871
0	26	SPS UPGRADES - GROUP 7	CW	S6	02	0	100	450	3,250	6,300	10,100	12,700	22,800	0	0	1,000	0 21	,800	0	0	0	0	0	22,800
0	29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	0	0	442	0 5	,065	0	0	0	0	0	5,507
0	30	SUNNYSIDE SPS REHAB- 2017 SC	CW	S3	03	688	0	0	0	0	688	0	688	0	0	55	0	633	0	0	0	0	0	688
0	31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	0	0	27	0	340	0	0	0	0	0	367
		Sub-total				3,378	5,210	4,844	9,500	11,656	34,588	20,238	54,826	0	0	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 1 - DESIGN	CW	S2	04	7,933	5,338	5,180	5,180	5,180	28,811	11,436	40,247	0	0	3,239	0 37	,008	0	0	0	0	0	40,247
0	3	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S6	04	0	25,000	77,500	77,500	77,500	257,500	102,500	360,000	0	0	15,790	0 344	,210	0	0	0	0	0	360,000
0	4	Don & Waterfront Trunk/CSO Construction - PHASE 2	CW	S6	04	0	0	0	0	0	0	210,000	210,000	0	0	9,211	0 200	,789	0	0	0	0	0	210,000
0	8	Don & Waterfront Trunk/CSO Construction - PHASE 3+	CW	S6	04	0	0	0	0	0	0	126,000	126,000	0	0	5,528	0 120	,472	0	0	0	0	0	126,000
0	15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S6	04	0	0	0	17,000	20,000	37,000	60,000	97,000	0	0	4,254	0 92	2,746	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	0	0	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

VI- Project Na. Project Name Ward Stat. Cat. 2017 2018 2019 2020 2021 Total 2017-2021 Total 2017-2020 Project Name Provincing Project Name Reserve Funds Capital Current Name Reserve Funds Capital Project Name Provincing Project Name Reserve Funds Capital Project Name Capital Project Name Provincing Project Name Reserve Funds Capital Project Name Capital Project Name Provincing Project Name <th< th=""><th>Debt - Recoverable</th><th>Total Financing 14,600 848,463 4,602 500 10,210 1,355</th></th<>	Debt - Recoverable	Total Financing 14,600 848,463 4,602 500 10,210 1,355
Sub_ Project Name Project Name Reserve Reserve<	Recoverable her2 Debt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Financing 14,600 848,463 4,602 500 10,210
WASS07559 DON & WATERFRONT TRUNK CSO V SA A A C SO	her2 Debt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Financing 14,600 848,463 4,602 500 10,210
WASSURDESS DON & WATERFRONT TRUNK CSO V SA Main from the stand stress of the stand stress of the stress of		848,463 4,602 500 10,210
SHEPPARD/LESLIE Grad		848,463 4,602 500 10,210
WASS NORTH TORONTO WTP UPGRADES Image: Marking the ma		4,602 500 10,210
0 2 NTTP - ELECTRICAL UPGRADES - ECAR CW S2 0 1,207 2,295 1,100 0 4,602 0 4,602 0 0 0 0 4,602 0 0 0 0 0 4,602 0 0 0 0 4,602 0 0 0 0 4,602 0		500 10,210
0 10 OPS INTERFACE NTTP CW S4 04 200 300 0 0 500 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 0 500 0		500 10,210
0 11 NTTP - PROCESS IMPROVEMENTS CW S4 04 420 4,400 4,000 1,340 50 10,210 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 10,210 0 0 0 0 10,210 0	0 0 0	10,210
0 12 NTTP - ELECTRICAL UPGRADES - ECAR- CW S3 01 -886 -581 1,624 1,198 0 1,355 0 0 0 0 1,355 0 0 0 0 1,355 0 0 0 0 0 0	0 0 0	
2017 SC 941 6,414 6,724 2,538 50 16,667 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 16,667 0 0 0 0 0 16,667 0		1,35
	0 0 0	
	I	16,667
WAS908143 Georgetown South City Infrastructure Upgrades		
0 1 GEORGETOWN SOUTH CITY CW S2 05 6,189 5,680 5,680 0 0 17,549 0 17,549 0 0 0 0 17,549 0 0	0 0 0	17,549
0 7 GEORGETOWN SOUTH CITY CW S3 05 -509 0 0 0 0 -509 0 -509 0 0 -509 0 0 -509 0 0 0 0 0 -509 0 0	0 0 0	-509
Sub-total 5,680 5,680 5,680 0 0 17,040 0 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 17,040 0 0 0 17,040 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 17,040 0 0 0 0 0 17,040 0	0 0 0	17,040
WASWP003 EMERY CREEK POND		
0 1 EMERY CREEK POND CW S2 04 5,793 50 0 0 5,843 0 5,843 0 0 470 0 5,373 0 0	0 0 0	5,843
0 15 EMERY CREEK POND- 2017 SC CW S3 04 -820 0 50 50 0 -720 0 -720 0 0 -58 0 -662 0 0	0 0 0	-720
Sub-total 4,973 50 50 50 5123 0 5123 0 0 412 0 4,711 0 0	0 0 0	5,123
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIO		
0 78 EQUIPMENT REPLACEMENT CW S2 03 5,580 4,558 3,652 0 0 13,790 0 13,790 0 0 0 13,790 0 0	0 0 0	13,790
0 117 REHAB OF SOUTH PRIMARY CLARIFIERS CW S2 03 124 0 0 0 0 124 0 124 0 124 0 0 0 0 124 0 0	0 0 0	124
0 132 EQUIPMENT REPLACEMENT-2017 SC CW S3 03 -2,514 3,409 2,150 4,000 0 7,045 0 7,045 0 0 0 0 7,045 0 0	0 0 0	7,045
0 133 REHAB OF SOUTH PRIMARY CW S3 03 -124 0 0 0 0 -124 0 -124 0 0 -124 0 0 0 0 0 -124 0 0	0 0 0	-124
Sub-total 3,066 7,967 5,802 4,000 20,835 0 20,835 0 0 0 20,835 0 0 0 20,835 0 0 0 0 20,835 0 0 <t< td=""><td>0 0 0</td><td>20,835</td></t<>	0 0 0	20,835
Total Program Expenditure 466,912 713,973 854,712 837,605 771,244 4,019,758 7,664,204 0 0 293,425 07,322,779 0 0 48,019,758	8,000 0 0	7,664,204

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

	c	urrent and	Future Ye	ar Cash Fl	low Comr	nitments ar	nd Estimate	s		Curren	t and Future Y	ear Cash I	-low Co	ommitme	nts and I	Stimates	Financed By	
<u>Sub-</u> 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 Re		eserve unds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	^e Total Financing
Financed By:																		
Development Charges	19,058	31,292	34,772	31,946	23,329	140,397	153,028	293,425	0	0	293,425	0	0	0	C	0	0	0 293,425
Reserve Funds (Ind."XR" Ref.)	447,854	678,681	814,940	800,659	742,915	3,485,049	3,837,730	7,322,779	0	0	0	07,3	22,779	0	C	0	0	0 7,322,779
Other2 (External)	0	4,000	5,000	5,000	5,000	19,000	29,000	48,000	0	0	0	0	0	0	C	48,000	0	0 48,000
Total Program Financing	466,912	713,973	854,712	837,605	771,244	3,644,446	4,019,758	7,664,204	0	0	293,425	07,3	22,779	0	C	48,000	0	0 7,664,204

Status Code Description

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

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

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

S5 S5 New (On-going or Phased Projects)

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

Category Code Description

01 Health and Safety C01

02 Legislated C02

03 State of Good Repair C03

04 Service Improvement and Enhancement C04

05 Growth Related C05

06 Reserved Category 1 C06 07 Reserved Category 2 C07

Appendix 4

2017 Cash Flow and Future Year Commitments

Report 7Ca

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

Priority	PLANT ADMIN						Curre	ent and F	uture Year	Cash Flov	w Commitn	nents			Curr	ent and Fu	uture Year C	Cash Flow	Comm	itments	Finance	d By		
Priority WAT000 0 2 0 38	/SubProj No 1004 HORG/ PLANT ADMIN	o. Sub-project Name				1																		
0 2 0 38	PLANT ADMIN	AN WITP EXPANSION	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	Reserves	leserve	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
0 38	ADMIN																							
		EXPANSION - DESIGN & CONSTR	CW	S2	05	24	0	0	0	0	24	0	24	0	0	8	0	8	0	. () 8	3 0	0	24
0 39		EXPANSION - DESIGN & CONSTR I- 2017 SC	CW	S3	05	51	75	0	0	0	126	0	126	0	0	40	0	46	0	() 40) 0	0	126
	9 PLANT 2017 S	EXPANSION - CONSTRUCTION-	CW	S3	05	0	0	0	0	0	0	40	40	0	0	13	0	14	0	() 1:	3 0	0	40
		Sub-total				75	75	0	0	0	150	40	190	0	0	61	0	68	0	(6	1 (0 0	190
WAT000	014 WATER	R STORAGE EXPANSION																						
0 1	DUFFE CONT.	ERIN RES. EXT DESIGN AND ADMIN	CW	S2	05	18	0	0	0	0	18	0	18	0	0	11	0	7	0	. () (0 0	0	18
02	Milliken	n PS and Reservoir - Engineering	CW	S2	05	50	0	0	0	0	50	0	50	0	0	21	0	10	0	() 19	9 0	0	50
0 52		EN ESERVOIR-DESIGN&CONT	CW	S3	05	0	37	0	0	0	37	0	37	0	0	15	0	8	0	() 14	4 0	0	37
0 53		ERIN RES. EXT. DESIGN AND CONT I- 2017 SC	CW	S3	05	-17	0	0	0	0	-17	0	-17	0	0	-10	0	-7	0	() () 0	0	-17
		Sub-total				51	37	0	0	0	88	0	88	0	0	37	0	18	0	() 3	3 (0 0	88
WAT000	018 CLARK	KRESIDUE MGMT. FACILITIES																						
0 24	4 RESIDI	UALS RETROFITS AND UPGRADES	CW	S2	02	1,036	425	0	0	0	1,461	0	1,461	0	0	0	0	1,461	0	() () 0	0	1,461
0 29		UALS RETROFITS AND ADES-2017 SC	CW	S3	02	-567	2,408	700	0	0	2,541	0	2,541	0	0	0	0	2,541	0	() (0 0	0	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	4,002
WAT000	021 WATER	R EFFICIENCY PROGRAM																						
0 10	D ICI IND	DOOR WATER AUDIT	CW	S2	05	300	0	0	0	0	300	0	300	0	0	300	0	0	0	. () (0 0	0	300
0 11	1 PUBLIC	C EDUCATION & PROMOTIONS	CW	S2	05	150	0	0	0	0	150	0	150	0	0	150	0	0	0	() () 0	0	150
0 12	2 ANCILL	LARY COSTS	CW	S2	05	70	0	0	0	0	70	0	70	0	0	70	0	0	0	() (0 0	0	70
0 91	1 ICI IND	DOOR WATER AUDIT- 2017 SC	CW	S3	05	0	300	300	0	0	600	0	600	0	0	600	0	0	0	() () 0	0	600
0 92	2017 S		CW	S3	05	0	150	150	0		300	0	300	0	0	300	0	0	0) () ()	0	300
0 93	3 ANCILL	LARY COSTS- 2017 SC	CW	S3	05	0	70	70	35		175		175	0		175	0	0	0					175
		Sub-total				520	520	520	35	0	1,595	0	1,595	0	0	1,595	0	0	0	()	0 (0 0) 1,595
WAT000	363 ENGINI	EERING STUDIES																						
02	IMPRO	OVED TREATMENT STUDIES	CW	S2	04	296	0	0	0	0	296	0	296	0	0	0	0	207	0	. () 89	9 0	0	296
0 18	B CONTR ABATE	ROLLED SUBSTANCES ID AND	CW	S2	02	200	200	0	0	0	400	0	400	0	0	0	0	400	0	() () 0	0	400

CITY OF TORONTO

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

Priority: Sub-priority: Sub-priorit		•																						
Bale Prodect Mark Prodect Mark Prodect Mark Prodect Mark Produce Prodect Mark Prodc Mark Prodect Mark <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>Curre</th><th>ent and F</th><th>uture Year</th><th>Cash Flo</th><th>w Commitn</th><th>nents</th><th></th><th></th><th>Cur</th><th>rent and Fu</th><th>uture Year</th><th>Cash Flo</th><th>w Comm</th><th>itments I</th><th>inanced</th><th>Ву</th><th></th><th></th></t<>							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments I	inanced	Ву		
NULLIONE			/ard \$	Stat.	Cat.	2017	2018	2019	2020	2021				Grants and	Federal [Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2	Recovera		Total nancing
9 9 CORREGION CONTACL 0 9	-																							
a b SCALMEREAND TOWER CONNECTON V	0 31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	105	125	0	0	0	230	0	230	o	0	0	0	230	0	C	0	0	0	230
IMPROVEMENTS NUMP	0 38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	o	0	0	0	4	0	C	0	0	0	4
IMPRO< UTUBAL UTUBAL<	0 65		CW	S2	04	915	730	105	5	0	1,755	0	1,755	C	0	0	0	1,755	0	C	0	0	0	1,755
Abstration of SC Abstratement and SC	0 72		CW	S3	04	-915	-730	-105	-5	0	-1,755	0	-1,755	O	0	0	0	-1,755	0	C	0	0	0	-1,755
2017 SC BC 2017 SC SC/V 2017 SC BC 2017 SC BC 2018 SC 2018 SC </td <td>0 73</td> <td></td> <td>CW</td> <td>S3</td> <td>02</td> <td>-100</td> <td>-100</td> <td>100</td> <td>0</td> <td>0</td> <td>-100</td> <td>0</td> <td>-100</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>-100</td> <td>0</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>-100</td>	0 73		CW	S3	02	-100	-100	100	0	0	-100	0	-100	C	0	0	0	-100	0	C	0	0	0	-100
Image: series sub-local Image: series	0 74		CW	S3	04	25	-8	0	0	0	17	0	17	C	0	0	0	17	0	C	0	0	0	17
NAME NAME <th< td=""><td>0 75</td><td></td><td>CW</td><td>S3</td><td>04</td><td>-136</td><td>152</td><td>0</td><td>0</td><td>0</td><td>16</td><td>0</td><td>16</td><td>O</td><td>0</td><td>0</td><td>0</td><td>11</td><td>0</td><td>C</td><td>5</td><td>0</td><td>0</td><td>16</td></th<>	0 75		CW	S3	04	-136	152	0	0	0	16	0	16	O	0	0	0	11	0	C	5	0	0	16
0 9 TRUNK RADIO - SITE UPGRADE CW S2 04 00 <		Sub-total				394	369	100	0	0	863	0	863	0	0	0	0	769	0	C	94	0	0	863
12 PCS LEGACY ALARM IMPROVEMENT CW S2 04 200 0	WAT9063	34 BUSINESS SYSTEM INFRASTRUCTURE - P	W																					
0 23 RELIABILITY IMPROVEMENT PROGRAM CW S2 04 776 400 0 1,195 0	09	TRUNK RADIO - SITE UPGRADE	CW	S2	04	400	0	0	0	0	400	0	400	o	0	0	0	400	0	C	0	0	0	400
0 41 SCADA UPGRADES FOR WWT CW S2 04 5,760 7,160 4,20 50 22,376 110 22,486 0 0 22,486 0 0 22,486 0 0 0 22,486 0 0 0 22,486 0	0 12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	200	0	0	0	0	200	0	200	C	0	0	0	200	0	C	0	0	0	200
0 42 PCS UPGRADES FOR WATER SUPPLY CW S2 04 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 442 0 3,503 0 0 0 3,503 0 0 3,503 0	0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	795	400	0	0	0	1,195	0	1,195	C	0	0	0	1,195	0	C	0	0	0	1,195
0 67 SCADA UPGRADES FOR WWT - II CW S2 04 2,053 600 450 400 0 3,503 0 0 3,503 0 0 0 0 0 3,503 0	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	C	0	0	0 :	22,486
0 85 NETWORK IMPROVEMENTS CW S2 04 2,246 340 0 0 0 2,586 0	0 42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	492	0	0	0	0	492	0	492	C	0	0	0	492	0	C	0	0	0	492
0 86 BLANKET CONTRACT MGMT TOOL CW 84 04 50 150 0	0 67	SCADA UPGRADES FOR WWT - II	CW	S2	04	2,053	600	450	400	0	3,503	0	3,503	C	0	0	0	3,503	0	C	0	0	0	3,503
0 87 PCS UPGRADES 2017 CW S4 04 210 210 210 0 630 0 0 0 630 0 0 630 0 0 630 0 0 630 0 0 630 0 0 630 0 0 630 0 0 630 0 0 630 0 630 0 0 630 0 0 630 0 630 0	0 85	NETWORK IMPROVEMENTS	CW	S2	04	2,246	340	0	0	0	2,586	0	2,586	C	0	0	0	2,586	0	C	0	0	0	2,586
0 88 TRUNK RADIO - EQUIPMENT CW S4 03 500 1,400 0 0 1,900 0 0 0 1,900 0 0 1,900 0 0 1,900 0 0 1,900 0	0 86	BLANKET CONTRACT MGMT TOOL	CW	S4	04	50	150	0	0	0	200	0	200	C	0	0	0	200	0	C	0	0	0	200
0 90 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2017 SC CW S3 03 10 0 0 0 10 0	0 87	PCS UPGRADES 2017	CW	S4	04	210	210	210	0	0	630	0	630	O	0	0	0	630	0	C	0	0	0	630
REPLACEMENT- 2017 SC REPLACEMENT- 2017 SC SC <th< td=""><td>0 88</td><td>TRUNK RADIO - EQUIPMENT</td><td>CW</td><td>S4</td><td>03</td><td>500</td><td>1,400</td><td>0</td><td>0</td><td>0</td><td>1,900</td><td>0</td><td>1,900</td><td>O</td><td>0</td><td>0</td><td>0</td><td>1,900</td><td>0</td><td>C</td><td>0</td><td>0</td><td>0</td><td>1,900</td></th<>	0 88	TRUNK RADIO - EQUIPMENT	CW	S4	03	500	1,400	0	0	0	1,900	0	1,900	O	0	0	0	1,900	0	C	0	0	0	1,900
2017 SC 2017 SC V SC SC <td< td=""><td>0 90</td><td></td><td>CW</td><td>S3</td><td>03</td><td>10</td><td>0</td><td>0</td><td>0</td><td>0</td><td>10</td><td>0</td><td>10</td><td>O</td><td>0</td><td>0</td><td>0</td><td>10</td><td>0</td><td>C</td><td>0</td><td>0</td><td>0</td><td>10</td></td<>	0 90		CW	S3	03	10	0	0	0	0	10	0	10	O	0	0	0	10	0	C	0	0	0	10
2017 SC 2017 SC 2017 SC 2017 SC 546 1,765 890 150 700 -50 650 0 0 0 650 0	0 91		CW	S3	04	166	65	65	0	0	296	0	296	o	0	0	0	296	0	C	0	0	0	296
0 94 SCADA UPGRADES FOR WWT - II - 2017 CW S3 04 -718 570 260 184 0 296 0 296 0 296 0 0 0 0 296 0 0 0 0 0 0	0 92		CW	S3	04	-585	-50	200	200	0	-235	0	-235	o	0	0	0	-235	0	C	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	C	0	0	0	650	0	C	0	0	0	650
	0 94		CW	S3	04	-718	570	260	184	0	296	0	296	0	0	0	0	296	0	C	0	0	0	296

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

Water Program

							Curre	ent and Fu	uture Year	Cash Flov	v Commitn	nents			Cu	rent and F	uture Year	Cash Flo	w Comm	itments	- inanced	Ву		
Priori																								
WAT9	itySub	<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	Deb Recove Debt		Total Financing
	06334	BUSINESS SYSTEM INFRASTRUCTURE	- PW																					
0	95	NETWORK IMPROVEMENTS- 2017 SC	CW	S3	04	-1,016	964	0	0	0	-52	0	-52	o) C	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	C) C	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	o) C	0	0	1,100	0) (0 0	0	0	1,100
		Sub-total				7,566	11,175	10,330	6,094	420	35,585	60	35,645	0	C	0	0	35,645	0) () 0	0	0	35,645
WAT9	06340	METERING & METER READING SYS																						
0	2	AUTOMATED METER READING SYSTEM	I CW	S2	04	8,314	2,000	915	545	0	11,774	0	11,774	o) C	0	0	11,774	0) (0 0	0	0	11,774
0	18	AUTOMATED METER READING SYSTEM 2017 SC	I- CW	S3	04	-2,940	1,180	-415	-199	0	-2,374	0	-2,374	C) C	0	0	-2,374	0) (0 0	0	0	-2,374
		Sub-total				5,374	3,180	500	346	0	9,400	0	9,400	0	C	0	0	9,400	0) () 0	0	0	9,400
WAT9	06467	AVENUE ROAD TRUNKMAIN REPLACEM	IENT																					
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	92	0	0	0	0	92	0	92	C) C	46	0	29	0) () 17	0	0	92
0	29	JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017 SC	CW	S3	03	10	0	0	0	0	10	0	10	C) C	5	0	3	0) (2	0	0	10
0	30	JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 2017 SC	CW	S 3	03	221	500	0	0	0	721	0	721	0) C	363	0	224	0) (134	0	0	721
		Sub-total				323	500	0	0	0	823	0	823	0	C	414	0	256	0) (153	0	0	823
WAT9	06470	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	C) C	0	0	1,963	0) (0 0	0	0	1,963
0	11	CHEMICAL & RESIDUALS MANAGEMENT CONST	r cw	S2	02	2,000	7,400	2,500	3,500	1,500	16,900	0	16,900	o) C	1,028	0	15,872	0) (0 0	0	0	16,900
0	30	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2017 SC	CW	S3	02	-143	1,160	600	250	770	2,637	280	2,917	C) C	0	0	2,917	0) (0 0	0	0	2,917
0	31	CHEMICAL & RESIDUALS MANAGMENT CONST-2017 SC	CW	S3	02	9,000	-6,223	1,500	10,500	12,500	27,277	6,000	33,277	C) C	2,023	0	31,254	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	C	3,051	0	52,006	0) () 0	0	0	55,057
WAT9	06481	DISTRICT WATERMAINS - NEW																						
0	1	NEW WM	CW	S2	05	515	0	0	0	0	515	0	515	a) C	515	0	0	0) (0 0	0	0	515
0	15	NEW WM - 2017 SC	CW	S3	05	-500	500	0	0	0	0	0	0	C) C	0	0	0	0) (0 0	0	0	0
		Sub-total				15	500	0	0	0	515	0	515	0	C	515	0	0	0) () 0	0	0	515
WAT90	06483	PW ENGINEERING																						
0	2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,946	3,200	585	0	0	7,731	0	7,731	o) C	0	0	7,731	0) (0 0	0	0	7,731

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CITY OF TORONTO

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

		- 9																						
							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	iture Year	Cash Flo	w Comm	itments	inance	ΙВу		
<u>Sub</u> Pric		<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	Reco	ebt - verable	Total Financing
		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) (878	0	0	2,218
0	7	EASEMENT ACQUISITION	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0) () (0	0	500
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	621	1,338	1,000	1,000	0	3,959	0	3,959	0	0	0	0	3,959	0) () (0	0	3,959
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,090	1,000	1,000	1,000	1,000	5,090	2,500	7,590	0	0	1,898	0	5,692	0) () (0	0	7,590
0	52	JOS UPDATE PHASE II	CW	S2	05	1,135	500	0	0	0	1,635	0	1,635	0	0	818	0	-1	0) (818	0	0	1,635
0	64	WATERMAIN ASSET PLANNING-2017 SC	C CW	S3	03	-737	1,519	1,310	1,050	1,055	4,197	2,000	6,197	0	0	1,551	0	2,193	0) (2,453	0	0	6,197
0	65	ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	CW	S3	04	-785	300	0	0	0	-485	1,000	515	0	0	128	0	387	0) () (0	0	515
0	66	CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	CW	S3	03	-2,074	457	2,415	585	0	1,383	0	1,383	0	0	0	0	1,383	0) () (0	0	1,383
0	67	EASEMENT ACQUISITION- 2017 SC		S3	04	0	500	0	0	0	500	0	500	0	-		0	500	0) (0	0	500
0	68	WATER LOSS REDUCTION STRATEGY- 2017 SC		S3	03	-211	-472	418	0	1,000	735	0	735	0			0	735	0				0	735
0	69	JOS UPDATE PHASE II- 2017 SC	CW	S3	05	-135	0	150	0	0	15	0	15	0			0	1	0			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) (4,156	6 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	0	0	5	0	1	0) (20	0	0	26
0	4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	4,539	0	0	0	0	4,539	0	4,539	0	0	904	0	163	0) (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	0	0	0	0	-1	0) () -1	0	0	-2
0	46	JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	CW	S3	03	-4,539	0	0	0	0	-4,539	0	-4,539	0	0	-904	0	-163	0) (-3,472	0	0	-4,539
		Sub-total				14	10	0	0	0	24	0	24	0	0	5	0	0	0) () 19	0	0	24
WAT	906752	TRANSMISSION R&R																						
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0) () (0	0	500
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,354	360	102	69	0	9,885	0	9,885	0	0	0	0	9,885	0) () (0	0	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	2,159
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	5,500	2,650	0	0	0	8,150	0	8,150	0	0	0	0	8,150	0) () (0	0	8,150
0	74	CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	CW	S3	03	-724	1,164	231	19	0	690	0	690	0	0	0	0	690	0) () (0	0	690
						-							-											

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

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						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Curr	rent and Fu	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
	Project No. Project Name /SubProj No. Sub-project Name	W	/ard S	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 Recover Debt	able	Total Financing
WAT906	752 TRANSMISSION R&R																						
0 75	5 TRUNK WATERMAIN REHAB- 20	17 SC	CW S	S3 03	114	4	260	253	0	631	0	631	c	0 0	0	0	631	0	() 0	0	0	631
0 76	6 CAST IRON TRUNK REPLC - PHA ENG- 2017 SC	ASE 3 -	CW S	S3 03	-1,011	835	144	6	0	-26	0	-26	c	0 0	0	0	-26	0	() 0	0	0	-26
0 7	7 CAST IRON TRUNK REPLC - PHA CONS- 2017 SC	ASE 3 -	CW S	S3 03	-2,300	2,100	200	0	0	0	0	0	c	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	21,989
WAT906	900 TRANSMISSION R&R																						
0 1	TRANS FACILITIES REHAB		CW S	S2 03	750	750	0	0	0	1,500	0	1,500	C	0 0	0	0	1,500	0	() 0	0	0	1,500
0 20	6 SCARBOROUGH PS - PUMP REF	PLC	CW S	S2 03	145	0	0	0	0	145	0	145	c	0 0	0	0	145	0	() 0	0	0	145
0 27	7 EGLINTON PS - PUMP REPLC		CW S	S2 03	228	0	0	0	0	228	0	228	c	0 0	0	0	228	0	() 0	0	0	228
0 36	6 ST CLAIR RESERVOIR REHAB/W QUALITY PROTECTION	/ATER	CW S	S2 03	17,353	7,913	7	0	0	25,273	0	25,273	C	0 0	0	0	25,273	0	() 0	0	0	25,273
0 48	8 ROSEHILL RESERVOIR		CW S	S2 03	11,479	10,500	4,600	0	0	26,579	0	26,579	C	0 0	0	0	26,579	0	() 0	0	0	26,579
0 49	9 DOWNSVIEW PS & CONNECTOR	REA	CW S	S2 05	410	0	0	0	0	410	0	410	C	0 0	0	0	410	0	() 0	0	0	410
0 50	D PARKDALE PS REHABILITATION		CW S	S2 03	3,580	1,757	21	0	0	5,358	0	5,358	C	0 0	0	0	5,358	0	() 0	0	0	5,358
0 5'	1 ROSEHILL PS REHAB		CW S	S2 03	1,786	2,786	1,144	11	11	5,738	0	5,738	c	0 0	0	0	5,738	0	() 0	0	0	5,738
0 67	7 PUMP REPLACEMENTS		CW S	S2 03	900	900	100	0	0	1,900	0	1,900	c	0 0	0	0	1,900	0	() 0	0	0	1,900
0 72	2 RESERVOIR REHAB - PHASE 2 -	ENG	CW S	S4 03	200	250	300	650	350	1,750	2,150	3,900	c	0 0	0	0	3,900	0	() 0	0	0	3,900
0 74	4 PS REHAB - PHASE 2 - ENG		CW S	S4 03	500	400	600	1,000	500	3,000	2,000	5,000	c	0 0	0	0	5,000	0	() 0	0	0	5,000
0 75	5 ST CLAIR RESERVOIR REHAB/W QUALITY-2017 SC	ATER	CW S	S3 03	-9,003	-63	8,113	10	17	-926	0	-926	c	0 0	0	0	-926	0	() 0	0	0	-926
0 76	6 ROSEHILL RESERVOIR-2017 SC		CW S	S3 03	-9,229	270	5,750	10,150	3,019	9,960	34	9,994	c	0 0	0	0	9,994	0	() 0	0	0	9,994
0 7	7 PARKDALE PS REHABILITATION	-2017 SC	CW S	S3 03	-2,385	2,593	2,404	329	8	2,949	0	2,949	c	0 0	0	0	2,949	0	() 0	0	0	2,949
0 78	B SCARBOROUGH PS - PUMP REF SC	PLC- 2017	CW S	S3 03	5	0	0	0	0	5	0	5	C	0 0	0	0	5	0	() 0	0	0	5
0 79	9 EGLINTON PS - PUMP REPLC- 20	017 SC	CW S	S3 03	25	0	0	0	0	25	0	25	c	0 0	0	0	25	0	() 0	0	0	25
0 80	DOWNSVIEW PS & CONNECTOR 2017 SC	R EA-	CW S	S3 05	-85	280	0	0	0	195	0	195	c	0 0	0	0	195	0	() 0	0	0	195
08	1 ROSEHILL PS REHAB- 2017 SC		CW S	S3 03	33	0	20	13	14	80	0	80	C	0 0	0	0	80	0	() 0	0	0	80
	Sub-total				16,692	28,336	23,059	12,163	3,919	84,169	4,184	88,353	0	0	0	0	88,353	0	() 0	0	0	88,353

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

WAT906 0 3 0 2	6902 <u>HA</u> I	No. Project Name j No. Sub-project Name					Curr	ent and F	uture Year	Cash Flov	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments I	Financed	-		
Priority WAT906 0 3 0 2	ySubPro 6902 HAI																							
0 3 0 2			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
0 2	FAC	RRIS W.T.P. R&R																						
		CILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	C	0 0	0	0	500	0	0) 0	0	0	500
	21 HV/	AC REHAB CONSTRUCTION	CW	S2	03	2,766	847	0	0	0	3,613	0	3,613	C	0 0	0	0	3,613	0	0) 0	0	0	3,613
0 2	9 HAI PIL	RRIS FILTERS REHABILITATION - OT	CW	S2	03	3,620	722	0	0	0	4,342	0	4,342	o	0 0	0	0	4,342	0	0) 0	0	0	4,342
05		HAB OF SETTLING BASIN ROOF & JICE GATES	CW	S2	03	9,579	5,384	23	0	0	14,986	0	14,986	C	0 0	0	0	14,986	0	0	0 0	0	0	14,986
0 7		TERIOR SECURITY LIGHTING GRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	C	0 0	0	0	1,200	0	0	0 0	0	0	1,200
08		UID CHEMICAL SYSTEM PROVEMENTS	CW	S2	04	1,450	1,148	7	0	0	2,605	0	2,605	C	0 0	0	0	2,605	0	0	0 0	0	0	2,605
09		RITAGE MASONRY AND CHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	200	1,000	0	1,000	C	0 0	0	0	1,000	0	0	0 0	0	0	1,000
09	9 CO	NTROL ROOM RELOCATION	CW	S2	04	593	0	0	0	0	593	0	593	C	0 0	0	0	593	0	0	0 0	0	0	593
0 1	00 EM	ERGENCY STANDBY POWER	CW	S2	04	895	5	0	0	0	900	0	900	C	0 0	0	0	900	0	0) 0	0	0	900
0 1	02 PH	ONE SYSTEM UPGRADE	CW	S2	03	510	0	0	0	0	510	0	510	C	0 0	0	0	510	0	0	0 0	0	0	510
0 1		HAB OF SETTLING BASIN ROOF LUICE GATES-2017 SC	CW	S3	03	-279	2,931	78	10	13	2,753	0	2,753	C	0 0	0	0	2,753	0	0) 0	0	0	2,753
0 1		RRIS FILTERS REHABILITATION - OT-2017 SC	CW	S3	03	-2,970	2,906	65	0	0	1	0	1	C	0 0	0	0	1	0	() 0	0	0	1
0 1	11 CO	NTROL ROOM RELOCATION-2017 S	C CW	S3	04	-518	525	0	0	0	7	0	7	C	0 0	0	0	7	0	() 0	0	0	7
0 1		AVELLING SCREENS 3 & 5 GRADE-2017 SC	CW	S3	03	0	300	450	0	0	750	0	750	C	0 0	0	0	750	0	() 0	0	0	750
0 1	13 PH	ONE SYSTEM UPGRADE-2017 SC	CW	S3	03	-510	70	510	0	0	70	0	70	C	0 0	0	0	70	0	0) 0	0	0	70
0 1	14 FAC SC	CILITY & PROCESS UPGRADES- 201	7 CW	S3	03	0	500	0	0	0	500	0	500	C	0 0	0	0	500	0	() 0	0	0	500
0 1	15 HV/	AC REHAB CONSTRUCTION- 2017 S	C CW	S3	03	-1,205	3,453	4,281	0	0	6,529	0	6,529	C	0 0	0	0	6,529	0	0) 0	0	0	6,529
0 1		UID CHEMICAL SYSTEM PROVEMENTS- 2017 SC	CW	S3	04	-989	3,249	137	7	0	2,404	0	2,404	O	0 0	0	0	2,404	0	() 0	0	0	2,404
0 1		RITAGE MASONRY ARCHITECTURAL STORATION-2017 SC	CW	S3	03	0	0	0	0	0	0	150	150	O	0 0	0	0	150	0	0) 0	0	0	150
0 1	18 EM	ERGENCY STANDBY POWER- 2017	SC CW	S3	04	-395	995	405	0	0	1,005	0	1,005	C	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	44,418
WAT906	6903 FJI	HORGAN W.T.P. R&R																						
05	5 FAC	CILITY & PROCESS UPGRADES	CW	S2	03	516	0	0	0	0	516	0	516	C	0 0	0	0	516	0	0) 0	0	0	516
08	RA\	W WATER PUMP UGRADES	CW	S2	03	469	0	0	0	0	469	0	469	C	0 0	0	0	469	0	0	0 0	0	0	469

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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 Commitr	nents			Cu	rrent and F	uture Year C	ash Flov	w Comm	itments	Finance	d By		
<u>Sub-</u> Prior		<u>ect No. 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 F	eserve	Capital from Current	Other 1	Other2		Debt - Recoverable t	Total Financing
	-	FJ HORGAN W.T.P. R&R												Cabolaloo										
0	15	REPLACEMENT OF MCCS	CW	S2	03	2,315	2,400	250	152	10	5,127	9	5,136	0	0	0 0	0	5,136	0	() (0	0 0	5,136
0		BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	855	1,375	1,825	10	10	4,075	0	4,075	0	0	0	0	4,075	0	() (0	0 0	4,075
0		ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	550	3	3	0	0	556	0	556	o	0	0 0	0	556	0	() (D	0 0	556
0	34	TREATED WATER PUMP UPGRADES	CW	S2	04	1,890	0	0	0	0	1,890	0	1,890	0	0	0 0	0	1,890	0	() (D	0 0	1,890
0		FACILITY & PROCESS UPGRADES- 2017 SC	7 CW	S3	03	240	613	0	0	0	853	0	853	o	0	0 0	0	853	0	() (D	0 0	853
0	54	REPLACEMENT OF MCCS- 2017 SC	CW	S3	03	-57	36	0	75	0	54	0	54	o	0	0 0	0	54	0	() (D	0 0	54
0	55	RAW WATER PUMP UGRADES- 2017 SC	CW	S3	03	52	0	0	0	0	52	0	52	o	0	0 0	0	52	0	() (D	0 0	52
0		ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 2017 SC	CW	S3	04	-500	527	277	0	0	304	0	304	0	0	0 0	0	304	0	() (D	0 0	304
0		TREATED WATER PUMP UPGRADES- 2017 SC	CW	S3	04	-364	0	0	0	0	-364	0	-364	o	0	0 0	0	-364	0	() (D	0 0	-364
0		BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	CW	S3	04	-597	720	125	0	0	248	0	248	o	0	0 0	0	248	0	() (D	0 0	248
		Sub-total				5,369	5,674	2,480	237	20	13,780	9	13,789	0	0	0 0	0	13,789	0	()	0	0 0	13,789
<u>WAT</u> S	<u>906906</u>	TRUNK WATERMAIN EXPANSION																						
0		JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	784	450	173	21	0	1,428	0	1,428	0	0	684	0	420	0	() 324	4	0 0	1,428
0		JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S4	05	2,000	12,000	12,000	8,000	0	34,000	0	34,000	0	0	16,289	0	9,987	0	(0 7,724	4	0 0	34,000
0		JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	d CW	S3	05	-384	61	202	162	11	52	0	52	0	0	26	0	14	0	() 12	2	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 8,06	0	0 0	35,480
WATS	06914	SWITCH GEAR TRANSFORMER																						
0		INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	3,913	0	0	0	0	3,913	0	3,913	0	0	0 0	0	3,913	0	() (D	0 0	3,913
0		INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	CW	S3	03	-1,663	1,274	0	0	0	-389	0	-389	0	0	0 0	0	-389	0	() (D	0 0	-389
		Sub-total				2,250	1,274	0	0	0	3,524	0	3,524	0	0	0 0	0	3,524	0	()	0	0 0	3,524
<u>WAT</u> S	06917	TRANSMISSION OPERATIONS OPTIMIZI	<u>ER</u>																					
0		TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	257	200	0	0	0	457	0	457	0	0	0 0	0	219	0	() 238	В	0 0	457
0		TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	CW	S3	04	-7	20	0	0	0	13	0	13	o	0	0 0	0	-63	0	(0 76	6	0 0	13
		Sub-total				250	220	0	0	0	470	0	470	0	0	0	0	156	0	() 31	4	0 0	470
<u>WATS</u>	06918	WATER SUSTAINABILITY PROGRAM																						

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

PriorityS	Project No. Project Name SubProj No. Sub-project Name 118 WATER SUSTAINABILITY PROGRAM WATER SUSTAINABILITY PROGRAM	Ward				Curre	ent and Fu	iture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	uture Year C	ash Flov	w Commi	itments I	inanced		1
PriorityS WAT9069 0 1	SubProj No. Sub-project Name	Ward																				
WAT9069 0 1	118 WATER SUSTAINABILITY PROGRAM		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 F		Capital from Current	Other 1	Other2	Debt - Recoverab Debt	le Total Financin
	WATER SUSTAINABILITY PROGRAM												Cabbildico									
0 12		CW	S2	04	17,341	20	2	0	0	17,363	0	17,363	о	0	1,055	0	11,081	0	C	5,227	0	0 17,36
	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	C	4,406	0	0 14,68
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	C	-475	0	0 -1,57
0 20	STANDBY POWER - ROSEHILL- 2017 SC	CW	S3	04	49	0	-67	-12	-2	-32	14	-18	0	0	-1	0	-11	0	C	-6	0	0 -1
	Sub-total				8,693	9,551	10,371	1,813	13	30,441	14	30,455	0	0	1,841	0	19,462	0	C	9,152	0	0 30,45
WAT9069	19 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	C	0 0	0	0 30
08	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	C	0 0	0	0 3,19
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	C	0	0	0 27,40
0 44	EVACUATION AND COMMUNICATION SYSTEMS	CW		03	308	5	0	0	0	313	0	313	0	0	0	0	313	0	C		0	0 31
0 68	PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 SC			03	-904	130	-892	1,394	60		35	-177	0		-12		-165	0			0	0 -17
0 69 0 70	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017 SC FACILITY & PROCESS UPGRADES- 2017		S3	03 03	-5,300 50	-500 50	9,950 0	3,000	0	7,150 100	0	7,150 100	0	0	434 0	0	6,716 100	0	-		0	0 7,15 0 10
0 70	SC EVACUATION AND COMMUNICATION			03	66	227	20	0	0	313	0	313	0				313	0				0 31
0 /1	SYSTEMS- 2017 SC	0.1	00						-				-									
	Sub-total				10,746	12,757	10,552	4,454	60	38,569	35	38,604	0	0	2,284	0	36,320	0	C	0 0	0	0 38,60
WAT9069	30 DIST W/M REPLACEMENT																					
0 14	2010 WM REPLC	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	C	0	0	0
0 21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	C	0	0	0
0 29	DIST W/M REPLC - 2012	CW	S2	03	113	0	0	0	0	113	0	113	0	0	0	0	113	0	C	0 0	0	0 11
0 39	2013 WM REPLC - SOGR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	C	0 0	0	0
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	402	0	0	0	0	402	0	402	0	0	0	0	402	0	C	0	0	0 40
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	400	0	0	0	0	400	0	400	0	0	0	0	400	0	C	0 0	0	0 40
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	1,045	1,000	1,000	0	0	3,045	0	3,045	0	0	0	0	3,045	0	C	0	0	0 3,04
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	0	0	2	0	3	0	C) 0	0	0

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

Priority Bubby Bubb			0																					
Bit Prodect Note								Curr	ent and F	uture Year	Cash Flo	w Commitr	nents			Curi	rent and Fu	uture Year Cash Fle	ow Comn	nitments	Financed	Ву		
NUMBER STEMMAREF S		-		Ward	Stat.	Cat.	2017	2018	2019	2020	2021				Grants and	Federal [Subsidy	Development Charges	Reserve Reserves Funds	Capital from Current	Other 1	Other2	Recove	erable	Total Financing
0 44 WATERNAN DEGADES 2015 0. 0. 0. 0.0	WATS	906930	DIST W/M REPLACEMENT																					
0 75 015T WAM REPLACEMENT-2016 05 015 0.0 0.4882 0.0 2.8877 0.0 0.0 0.4882 0.0 2.8877 0.0 0.0 0.4882 0.0 2.8877 0.0 0.0 0.4882 0.0 2.8877 0.0 0.0 0.4882 0.0 2.8987 0.0 0.0 0.4882 0.0 2.8987 0.0<	0	63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,691	155	0	0	0	4,846	0	4,846	С	0 0	754	0 4,092	2 () () 0	0	0	4,846
0 74 WATERMAN URGRADES - 2016 W. 8 64.40 6.400 6.400 6.310 6.310 0.0 5.400	0	64	WATERMAIN UPGRADES - 2015	CW	S2	05	338	0	0	0	0	338	0	338	C	0 0	105	0 233	3 () (0 0	0	0	338
0 0	0	73	DIST W/M REPLACEMENT - 2016	CW	S2	03	19,562	8,427	0	0	0	27,989	0	27,989	C	0 0	4,352	0 23,637	, () (0 0	0	0	27,989
International and a control of a c	0	74	WATERMAIN UPGRADES - 2016	CW	S2	05	3,470	1,840	0	0	0	5,310	0	5,310	C	0 0	1,652	0 3,658	3 () (0 0	0	0	5,310
a WATERMAIN URGRADES - 2017 CW S4 0 10.33 2,962 1,476 0 14,761 0 0 4,582 0 10,168 0 0 0 0 0 0 0 14,761 0 14,761 0 0 4,582 0 10,168 0	0	82	DIST W/M REPLACEMENT - 2015-2017 S	SC CW	S3	03	-3,738	741	0	0	0	-2,997	0	-2,997	C	0 0	-467	0 -2,530) () (0 0	0	0	-2,997
0 8.7 2010 WIN REPLC-2017 SC CV S3 0.3 0.1 0.0 0.0 0.1 0.0 </td <td>0</td> <td>83</td> <td>DIST W/M REPLACEMENT - 2017</td> <td>CW</td> <td>S4</td> <td>03</td> <td>51,296</td> <td>15,598</td> <td>7,272</td> <td>0</td> <td>0</td> <td>74,166</td> <td>0</td> <td>74,166</td> <td>C</td> <td>0 0</td> <td>11,533</td> <td>0 62,633</td> <td>3 (</td> <td>) (</td> <td>0 0</td> <td>0</td> <td>0</td> <td>74,166</td>	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 0	11,533	0 62,633	3 () (0 0	0	0	74,166
No. No. DIST WM REPLC - 2012-2017 SC CW S3 G3 G40 G0 G0 <td>0</td> <td>84</td> <td>WATERMAIN UPGRADES - 2017</td> <td>CW</td> <td>S4</td> <td>05</td> <td>10,333</td> <td>2,952</td> <td>1,476</td> <td>0</td> <td>0</td> <td>14,761</td> <td>0</td> <td>14,761</td> <td>C</td> <td>0 0</td> <td>4,592</td> <td>0 10,169</td> <td>) (</td> <td>) (</td> <td>0 0</td> <td>0</td> <td>0</td> <td>14,761</td>	0	84	WATERMAIN UPGRADES - 2017	CW	S4	05	10,333	2,952	1,476	0	0	14,761	0	14,761	C	0 0	4,592	0 10,169) () (0 0	0	0	14,761
Image: A standing conditioned conditana conditioned conditioned conditioned conditi	0	87	2010 WM REPLC- 2017 SC	CW	S3	03	1	0	0	0	0	1	0	1	C	0 0	0	0 1	. () (0 0	0	0	1
0 90 2013 WM REPLC - UPGRADES - 2017 SC CW S3 05 101 0 0 101 0 0 101 0 0 101 0 0 101 0 0 101 0 0 140 0 140 0 140 0	0	88	DIST W/M REPLC - 2012- 2017 SC	CW	S3	03	90	0	0	0	0	90	0	90	C	0 0	0	0 90) () (0 0	0	0	90
0 91 DIST W/M REPLACEMENT - 2014 - 2017 CW S3 0.3 -4.01 2.55 0 0 -1.46 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	C	0 0	0	0 10) () (0 0	0	0	10
SC SC <th< td=""><td>0</td><td>90</td><td>2013 WM REPLC - UPGRADES- 2017 SC</td><td>cw</td><td>S3</td><td>05</td><td>0</td><td>101</td><td>0</td><td>0</td><td>0</td><td>101</td><td>0</td><td>101</td><td>C</td><td>0 0</td><td>31</td><td>0 70</td><td>) (</td><td>) (</td><td>) 0</td><td>0</td><td>0</td><td>101</td></th<>	0	90	2013 WM REPLC - UPGRADES- 2017 SC	cw	S3	05	0	101	0	0	0	101	0	101	C	0 0	31	0 70) () () 0	0	0	101
0 93 WATERMAIN REPLACEMENT - CW S3 0 -712 -649 724 1,494 1,494 2,351 0 0 0 2,351 0	0	91		CW	S3	03	-401	255	0	0	0	-146	0	-146	C	0 0	40	0 -186	6 () () 0	0	0	-146
METROLINX- 2017 SC METROLINX	0	92	WATERMAIN UPGRADES - 2014- 2017 S	C CW	S3	05	-400	0	0	0	0	-400	0	-400	C	0 0	0	0 -400) () () 0	0	0	-400
0 95 DIST W/M REPLACEMENT - 2016 - 2017 CW S3 03,443 -1,270 374 0 0 2,547 0 0 396 0 2,151 0<	0	93		CW	S3	03	-712	-649	724	1,494	1,494	2,351	0	2,351	C	0 0	0	0 2,351	() () 0	0	0	2,351
SC NATERMAIN UPGRADES - 2016 - 2017 C 0W S3 CW S3 CM C CAS CM C S3 S3 S3 S3 S3<	0	94	WATERMAIN UPGRADES - 2015- 2017 S	c cw	S3	05	-191	0	0	0	0	-191	0	-191	С	0 0	-59	0 -132	2 () () 0	0	0	-191
Sub-total Image:	0	95		CW	S3	03	3,443	-1,270	374	0	0	2,547	0	2,547	С	0 0	396	0 2,151	. () () 0	0	0	2,547
WATE DIST WM REHABILITATION Image: Company and Com	0	96	WATERMAIN UPGRADES - 2016- 2017 S	C CW	S 3	05	1,086	-255	0	0	0	831	0	831	C	0 0	258	0 573	3 () () 0	0	0	831
0 4 HYDRANT & VALVE REPAIR CW S2 03 2,193 0 0 0, 2,193 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	3 () () 0	0	0	133,582
0 6 WATERMAIN STRUCTURAL LINING CW S2 03 52,318 14,629 15 2 0 66,964 0 0 0 66,964 0 0 0 0 66,964 0 0 0 0 66,964 0	WATS	906932	DIST W/M REHABILITATION																					
0 7 CATHODIC PROTECTION CW S2 03 5,298 450 0 05,748 0 0 05,748 0 0 05,748 0 0 05,748 0 0 05,748 0 0 0 05,748 0 </td <td>0</td> <td>4</td> <td>HYDRANT & VALVE REPAIR</td> <td>CW</td> <td>S2</td> <td>03</td> <td>2,193</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2,193</td> <td>0</td> <td>2,193</td> <td>С</td> <td>0 0</td> <td>0</td> <td>0 2,193</td> <td>3 (</td> <td>) (</td> <td>) 0</td> <td>0</td> <td>0</td> <td>2,193</td>	0	4	HYDRANT & VALVE REPAIR	CW	S2	03	2,193	0	0	0	0	2,193	0	2,193	С	0 0	0	0 2,193	3 () () 0	0	0	2,193
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 2,933 0 0 0 0 0 2,933 0 0 0 0 0 0 2,933 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	52,318	14,629	15	2	0	66,964	0	66,964	с	0 0	0	0 66,964	L () () 0	0	0	66,964
	0	7	CATHODIC PROTECTION	CW	S2	03	5,298	450	0	0	0	5,748	0	5,748	С	0 0	0	0 5,748	3 () () 0	0	0	5,748
0 50 HYDRANT & VALVE REPAIR-2017 SC CW S3 03 127 0 0 0 0 127 0 127 0 127 0 0 0 0 127 0 0 0 0 0 0	0	30	CUT REPAIR	CW	S2	03	2,933	0	0	0	0	2,933	0	2,933	с	0 0	0	0 2,933	3 () () 0	0	0	2,933
	0	50	HYDRANT & VALVE REPAIR-2017 SC	CW	S3	03	127	0	0	0	0	127	0	127	c	0 0	0	0 127	7 () () 0	0	0	127

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

<u>WAT90</u> 0	itySub	ect No. Project Name					Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
Priorit WAT90 0 t	itySub	ect No. Proiect Name																						
0 5			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
	06932	DIST W/M REHABILITATION																						
	51	CUT REPAIR-2017 SC	CW	S3	03	367	3,300	0	0	0	3,667	0	3,667	0	0	0	0	3,667	0	(0 0	0	C	3,667
0 5		WATERMAIN STRUCTURAL LINING-2017 SC	CW	S3	03	15,726	52,899	24,575	9,575	4,575	107,350	507	107,857	0	0	0	0	96,580	0	(0 11,277	0	C	107,857
0 5	54	CATHODIC PROTECTION- 2017 SC	CW	S3	03	-1,198	888	0	0	0	-310	0	-310	о	0	0	0	-310	0	(0 0	0	C	-310
		Sub-total			Γ	77,764	72,166	24,590	9,577	4,575	188,672	507	189,179	0	0	0	0	177,902	0	() 11,277	0	(189,179
<u>WAT90</u>	06934	DIST WATER SERVICE REPAIR			-																			<u> </u>
0 1		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	C	23,219
0 1	19	2010 WSR	CW	S2	02	5	0	0	0	0	5	0	5	0	0	0	0	5	0	(0 0	0	C	5
0 3	32	WSR CUT REPAIR	CW	S2	03	1,750	0	0	0	0	1,750	0	1,750	0	0	0	0	1,750	0	(0 0	0	C	1,750
0 3	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	C	35
0 4	41	2013 WSR	CW	S2	02	11	0	0	0	0	11	0	11	0	0	0	0	11	0	(0 0	0	C	11
0 5		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	C	11
0 5	59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	2,277	736	2	0	0	3,015	0	3,015	0	0	0	0	3,015	0	(0 0	0	C	3,015
06		2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	12,062	5,000	0	0	0	17,062	0	17,062	0	0	0	0	17,062	0	(0 0	0	C	17,062
0 7		WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,449	0	0	0	0	7,449	0	7,449	0	0	0	0	7,449	0	(0 0	0	C	7,449
0 7	74	REPLACEMENT OF FROZEN SERVICES	CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	0	0	0	0	3,000	0	(0 0	0	C	3,000
0 7	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,750	0	0	0	0	1,750	0	1,750	o	0	0	0	1,750	0	(0 0	0	C	1,750
0 7	78	2011 WSR	CW	S2	02	14	0	0	0	0	14	0	14	0	0	0	0	14	0	(0 0	0	C	14
08		WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	CW	S3	02	-6,716	3,356	4,450	200	0	1,290	0	1,290	0	0	0	0	1,290	0	(0 0	0	C	1,290
0 8	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	C	1,250
0 8		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	C	18,223
08		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	C	1,250
0 8		2017 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	10,000	7,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	(0 0	0	C	20,000
0 8	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	C	215
0 8	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	C	1

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

		- g. a			,																			
							Curre	ent and Fu	iture Year	Cash Flo	w Commitr	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments	Finance	d By		
<u>Sut</u> Pric		<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 Subsidv	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	0ebt - overable	Total Financing
		DIST WATER SERVICE REPAIR	mara	otati	out.						2011 2021		2011 2020	Subsidies										- manoing
0	88	2013 WSR- 2017 SC	CW	S3	02	0	100	0	0	0	100	0	100	0	C	0 0	0	100	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	C	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	C	0 0	0	-688	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	C	0	0	-6,011	0		0 () 0	0	-6,011
		Sub-total				39,757	35,810	15,450	2,200	0	93,217	0	93,217	0	C	0 0	0	93,217	0		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	C	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	C	0 0	0	29,500	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	C	0 0	0	30,500	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 0	0	5,200	0		0 () 0	0	5,200
		Sub-total				35,000	35,200	0	0	0	70,200	0	70,200	0	C	0 0	0	70,200	0		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	о	C	0 0	0	39,194	0		0 () 0	0	39,194
0	63	ROAD RESTORATION	CW	S2	03	6,005	0	0	0	0	6,005	0	6,005	o	C	0 0	0	6,005	0		0 () 0	0	6,005
0	69	LEGAL SERVICES SALARIES	CW	S3	03	205	0	0	0	0	205	0	205	0	C	0 0	0	205	0		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 0	0	13,458	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	C	0 0	0	2,292	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	C	0 0	0	-2,005	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	C	0 0	0	13,362	0		0 () 0	0	13,362
0	74	PMMD SALARIES	CW	S4	03	263	0	0	0	0	263	0	263	0		0 0	0	263	0		0 () 0	0	263
		Sub-total				30,963	14,135	10,352	6,702	3,761	65,913	6,861	72,774	0	C	0	0	72,774	0		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	0	C	0 0	0	1,857	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 0	0	2,320	0		0 () 0	0	2,320
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	5	0	0	0	0	5	0	5	o	C	0 0	0	5	0		0 () 0	0	5

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

		- 9																						
							Curr	ent and Fu	uture Year	Cash Flo	w Commitr	nents			Cu	rrent and F	uture Year C	Cash Flov	w Comm	nitments	Financed	ΙВу		
<u>Su</u> Pr		oject No. <u>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	R Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverabl t	le Total Financir
WA	T906977	ISLAND W.T.P. R&R																						
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	1,266	2,430	550	10	0	4,256	0	4,256	C) 0	0	0	4,256	C) () (I	0	0 4,25
0	50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	2,738	3,440	12	0	0	6,190	0	6,190	c) 0	0	0	6,190	C) (D C	I	0	0 6,19
0	51	CHEMICAL SYSTEMS' ELECTRICAL FEE	ED CW	S2	03	26	0	0	0	0	26	0	26	C) 0	0	0	26	C) () C	I	0	0 2
0	69	Generators` DR3 Program	CW	S2	04	695	650	0	0	0	1,345	0	1,345	C) 0	0	0	1,345	C) () (I	0	0 1,34
0	70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,151	1,141	0	0	0	2,292	0	2,292	C) 0	0	0	2,292	C) (D C	I	0	0 2,29
0	83	RAW WATER INTAKE CLEANING	CW	S2	03	1,090	0	0	0	0	1,090	0	1,090	C) 0	0	0	1,090	C) (D C	I	0	0 1,09
0	89	FACILITY & PROCESS UPGRADES-2017 SC	CW	S3	03	-865	0	0	0	0	-865	0	-865	C) 0	0	0	-865	C) (D C	I	0	0 -86
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	0	2,480	C) (D C	I	0	0 2,48
0	91	TRAVELLING SCREEN REPLACEMENT-2017 SC	CW	S3	03	370	-2,330	150	2,740	0	930	0	930	C) 0	0	0	930	C) () C	I	0	0 93
0	92	Generators` DR3 Program-2017 SC	CW	S3	04	-695	-570	695	650	0	80	0	80	C) 0	0	0	80	C) (D C	I	0	0 8
0	93	RAW WATER INTAKE CLEANING-2017 S	C CW	S3	03	-940	1,100	0	0	0	160	0	160	C) 0	0	0	160	C) () C	I	0	0 16
0	95	ISLAND FILTER AIR SCOUR SYSTEM- 2017 SC	CW	S3	04	0	56	0	0	0	56	0	56	C) 0	3	0	53	C) () C	I	0	0 5
0	96	ISLAND ENWAVE/RETROFIT PROJECT- 2017 SC	CW	S3	04	4	0	0	0	0	4	0	4	C) 0	0	0	4	C) () C	I	0	o
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	0	134	C) () C	I	0	0 13
0	98	CHEMICAL SYSTEMS' ELEC FEED DISTRIBUTION- 2017 SC	CW	S3	03	4	40	0	0	0	44	0	44	C) 0	0	0	44	C) (D C	I	0	0 4
0	99	PLANTWIDE HVAC UPGRADES- 2017 SC	c cw	S3	04	-525	49	527	15	0	66	0	66	C) 0	0	0	66	C) (D C	I	0	0 6
		Sub-total				4,297	9,600	5,151	3,422	0	22,470	0	22,470	C	0	3	0	22,467	() () ()	0	0 22,47
WA	T907353	LAWRENCE ALLAN REVITALIZATION PL	AN																					
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	6,613	13,272	5,506	0	0	25,391	0	25,391	C) 0	25,391	0	0	C) () C	I	0	0 25,39
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	4,592	0	0	0	0	4,592	0	4,592	c) 0	4,592	0	0	C) () C	I	0	0 4,59
0	9	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 2017SC	CW	S3	05	-3,613	-5,272	1,731	7,237	0	83	0	83	c) 0	83	0	0	C) () C	I	0	0 8
0	10	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 2017SC	CW	S3	05	-4,092	3,842	3,842	0	0	3,592	0	3,592	C) 0	3,592	0	0	C) () C	I	0	0 3,59
		Sub-total				3,500	11,842	11,079	7,237	0	33,658	0	33,658	0	0	33,658	0	0	C) () ()	0	0 33,65
WA	T907558	REGENT PARK CAPITAL CONTRIBUTIO	N																					1

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

							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year C	Cash Flo	w Comm	itments	Finance	d By			
<u>Sub-</u> Prior		i <u>ect No. Project Name</u> Proj No. Sub-project Name	War	d Stat	Cat	2017	2018	2019	2020	2021	Total	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal [Subsidv	Development Charges	R Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverab	1 100	otal
		REGENT PARK CAPITAL CONTRIBUTI			. oui.	2011	2010	2010	2020	2021	2011 2021		2011 2020	Subsidies	Cabolay					04101 1			<u> </u>		Tioning
	1	REGENT PARK CAPITAL CONTRIBUTI PHASE 2		V S2	05	596	1,391	812	44	71	2,914	40	2,954	0	0	2,954	0	0	0) () (0	0	0 2	2,954
0		REGENT PARK CAPITAL CONTRIBUTI PHASE 2- 2017 SC	ION CV	V S3	05	-596	-1,391	-812	-44	-71	-2,914	-40	-2,954	0	0	-2,954	0	0	0) () (0	0	0 -2,	2,954
0		REGENT PARK CAPITAL CONTRIBUTI PHASE 3 - 5	ION - CV	V 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,	5,941
		Sub-total				812	1,909	864	1,398	812	5,795	146	5,941	0	0	5,941	0	0	0) ()	0	0	0 5,	5,941
WAT9	07946	BUSINESS IT PROJECTS																						-	
0		ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CV	V S2	04	2,409	1,422	1,273	1,000	500	6,604	0	6,604	0	0	0	0	6,604	0) () (0	0	0 6	6,604
0		ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT- 2017 SC	CV	V S3	04	-1,679	158	2	325	500	-694	750	56	0	0	0	0	56	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	6,660	0) ()	0	0	0 6,	6,660
WAT9	08087	TRUNK WATERMAIN																							
0	1	TRANSMISSION SYSTEM AUTOMATIC	ON CV	V S2	04	2,456	10	0	0	0	2,466	0	2,466	0	0	0	0	2,466	0) () (0	0	0 2	2,466
0	4	JOS - REVENUE METER REPLACEME	NT CV	V S2	03	3,545	2,950	0	0	0	6,495	0	6,495	0	0	0	0	3,247	0) (0 3,248	8	0	0 6,	6,495
0	6	3RD PARTY RELOCATIONS (METROL	INX) CV	V S2	04	350	250	250	200	200	1,250	0	1,250	0	0	0	0	1,250	0) (0 (0	0	0 1,	1,250
0		TRANSMISSION SYSTEM AUTOMATIC 2017 SC	ON- CV	V S3	04	-2,204	606	1,857	1,650	41	1,950	92	2,042	0	0	0	0	2,042	0) () (0	0	0 2	2,042
0		3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	CV	V S3	04	-300	0	0	0	0	-300	0	-300	0	0	0	0	-300	0) () (0	0	0 -	-300
0		JOS - REVENUE METER REPLACEME 2017 SC	NT- CV	V S3	03	-1,045	550	1,000	0	0	505	0	505	0	0	0	0	253	0) (0 252	2	0	0	505
		Sub-total				2,802	4,366	3,107	1,850	241	12,366	92	12,458	0	0	0	0	8,958	0) (3,50	0	0	0 12,	2,458
WAT9	<u>08248</u>	WT&S PLANTWIDE																							
0		UV DISINFECTION - CONCEPTUAL DESIGN	CV	V S2	04	500	0	0	0	0	500	0	500	0	0	0	0	500	0) () (0	0	0	500
0	4	ZEBRA MUSSEL CONTROL - ENG	CV	V S4	04	650	404	474	666	130	2,324	48	2,372	0	0	0	0	2,372	0) () (0	0	0 2	2,372
0	6	STANDBY POWER - PHASE 2 - ENG	CV	V \$2	04	690	600	1,200	1,400	800	4,690	1,600	6,290	0	0	377	0	4,026	0) (0 1,887	7	0	0 6,	6,290
0		UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	CV	V S3	04	-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0) (0 (0	0	0	-500
0		STANDBY POWER - PHASE 2 - ENG- 2 SC	2017 CV	V S3	04	-140	425	-475	-550	-375	-1,115	1,025	-90	0	0	-3	0	-62	0) (0 -25	5	0	0	-90
		UV DISINFECTION - ISLAND WTP -		V 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	5,420

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 Yea	r Cash Flo	ow Comm	itments	Financed	Ву	
Sub-Project No.Project NamePrioritySubProj No.Sub-project NameWard 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) 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	C) 491	0	13,006	0		2,450	0 0	15,947
Total Program Expenditure	392,232	351,011	175,810	90,900	36,294	1,046,247	28,101	1,074,348	C	C	95,040	0	940,039	0		39,269	0 0	1,074,348

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

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Gross Expenditures (\$000's)

Appendix 4: 2017 Cash Flow and Future Year Commitments

Water Program

c	Current and	Future Ye	ar Cash Fl	ow Comr	nitments a	nd Estimate	s		Current	and Future	Year Cas	h Flow C	ommitme	nts and	Estimates	Financed By	
. 2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal De Subsidy	evelopment Charges F			Capital from Current	Other 1	Other2		e Total Financing
25,211	28,839	22,326	14,391	2,213	92,980	2,060	95,040	0	0	95,040	0	0	0	(0 0	0	0 95,040
349,987	312,710	145,968	73,402	33,527	915,594	24,445	940,039	0	0	0	0	940,039	0	(0 0	0	0 940,039
17,034	9,462	7,516	3,107	554	37,673	1,596	39,269	0	0	0	0	0	0	(39,269	0	0 39,269
392,232	351,011	175,810	90,900	36,294	1,046,247	28,101	1,074,348	0	0	95,040	0	940,039	0	(39,269	0	0 1,074,348
t	t. 2017 25,211 349,987 17,034	t. 2017 2018 25,211 28,839 349,987 312,710 17,034 9,462	t. 2017 2018 2019 25,211 28,839 22,326 349,987 312,710 145,968 17,034 9,462 7,516	2017 2018 2019 2020 25,211 28,839 22,326 14,391 349,987 312,710 145,968 73,402 17,034 9,462 7,516 3,107	t. 2017 2018 2019 2020 2021 25,211 28,839 22,326 14,391 2,213 349,987 312,710 145,968 73,402 33,527 17,034 9,462 7,516 3,107 554	z 2017 2018 2019 2020 2021 Total 2017-2021 25,211 28,839 22,326 14,391 2,213 92,980 349,987 312,710 145,968 73,402 33,527 915,594 17,034 9,462 7,516 3,107 554 37,673	zo17 zo18 zo19 zo20 zo21 Total zo17-zo21 Total zo22-zo26 25,211 28,839 22,326 14,391 2,213 92,980 2,060 349,987 312,710 145,968 73,402 33,527 915,594 24,445 17,034 9,462 7,516 3,107 554 37,673 1,596	z 2017 2018 2019 2020 2021 2017-2021 2022-2026 2017-2026 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269	z017 2018 2019 2020 2021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269 0	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Federal De Subsidies 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 0 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269 0 0	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Total 2017-2026 Federal Subsidies Federal Subsidies Development Subsidies 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 0 0 0 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269 0 0 0 0	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total Z017-2021 Total Z017-2026 Total Z017-2026 Provincial Subsidies Federal Subsidies Development Charges Reserves 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 <td< td=""><td>Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Federal Development Subsidies Development Charges Reserve Reserves Reserve Funds 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0 0 940,039 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 0 0 0 940,039 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269 0 0 0 0 0 0 0 0 0 0</td><td>Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Provincial Subsidies Federal Subsidies Development Charges Reserve Reserves Capital from Current 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0</td><td>ZO17 ZO18 ZO19 ZO20 ZO21 Total 2017-2021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Federal Subsidies Development Charges Reserve Reserves Capital from Current Other 1 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0</td><td>Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Development Subsidies Reserve Serves Capital from Current Capital Other 1 Other 1 Other 2 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0</td><td>ZO17 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Subsidies Federal Subsidies Development Subsidies Reserve Funds Capital from Current Capital from Other 1 Debt - Other 2 Debt - Recoverable 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0<</td></td<>	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Federal Development Subsidies Development Charges Reserve Reserves Reserve Funds 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0 0 940,039 349,987 312,710 145,968 73,402 33,527 915,594 24,445 940,039 0 0 0 0 940,039 17,034 9,462 7,516 3,107 554 37,673 1,596 39,269 0 0 0 0 0 0 0 0 0 0	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2022-2026 Total 2017-2026 Provincial Subsidies Federal Subsidies Development Charges Reserve Reserves Capital from Current 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0	ZO17 ZO18 ZO19 ZO20 ZO21 Total 2017-2021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Federal Subsidies Development Charges Reserve Reserves Capital from Current Other 1 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0	Z017 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Grants and Subsidies Development Subsidies Reserve Serves Capital from Current Capital Other 1 Other 1 Other 2 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0	ZO17 Z018 Z019 Z020 Z021 Total 2017-2021 Total 2017-2026 Total 2017-2026 Provincial Subsidies Federal Subsidies Development Subsidies Reserve Funds Capital from Current Capital from Other 1 Debt - Other 2 Debt - Recoverable 25,211 28,839 22,326 14,391 2,213 92,980 2,060 95,040 0 0 95,040 0<

Status Code Description

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

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

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

S5 S5 New (On-going or Phased Projects)

Category Code Description

01 Health and Safety C01

02 Legislated C02

03 State of Good Repair C03

04 Service Improvement and Enhancement C04 05 Growth Related C05

05 Growth Related C05 06 Reserved Category 1 C06

07 Reserved Category 2 C07

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

					[Curre	ent and Fu	ture Year	Cash Flov	w Commitn	nents			Cur	rent and Futu	ure Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sub</u> Prio		<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 I Subsidy	Development Charges R	eserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																						
0	17	STANDBY POWER GENERATION	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0	19	FERROUS UPGRADES	CW	S2	03	15,695	5,853	5,955	0	0	27,503	0	27,503	0	0	2,224	0	25,279	0	0	0	0	0	27,503
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	4,542	1,710	35	0	0	6,287	0	6,287	0	0	0	0	6,287	0	0	0	0	0	6,287
0	41	POLYMER UPGRADE	CW	S2	03	1,362	3,632	13,500	15,500	15,022	49,016	14,164	63,180	0	0	0	0	63,180	0	0	0	0	0	63,180
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,252	1,146	250	49	0	2,697	0	2,697	0	0	217	0	2,480	0	0	0	0	0	2,697
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	193	0	0	0	0	193	0	193	0	0	15	0	178	0	0	0	0	0	193
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,796	26	27	0	0	1,849	0	1,849	0	0	0	0	1,849	0	0	0	0	0	1,849
0	190	GROUND AND FACILITIES	CW	S2	03	445	0	0	0	0	445	0	445	0	0	0	0	445	0	0	0	0	0	445
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,365	3,104	2,104	3,104	1,030	12,707	8	12,715	0	0	0	0	12,715	0	0	0	0	0	12,715
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	1,225	500	250	0	0	1,975	0	1,975	0	0	0	0	1,975	0	0	0	0	0	1,975
0	227	AIR HEADER REHAB	CW	S2	03	727	1,700	0	0	0	2,427	0	2,427	0	0	0	0	2,427	0	0	0	0	0	2,427
0	229	D BUILDING PHASE 2	CW	S2	03	502	2,340	2,340	2,300	2,300	9,782	2,320	12,102	0	0	0	0	12,102	0	0	0	0	0	12,102
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	590	250	0	0	0	840	0	840	0	0	0	0	840	0	0	0	0	0	840
0	248	SOILS MANAGEMENT PLAN	CW	S2	03	200	100	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,860	1,500	0	0	0	3,360	0	3,360	0	0	0	0	3,360	0	0	0	0	0	3,360
0	265	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2017 SC	CW	S3	03	398	714	1,280	201	49	2,642	0	2,642	0	0	213	0	2,429	0	0	0	0	0	2,642
0	266	PROCESS AND EQUIPMENT-2017 SC	CW	S3	03	-563	1,756	1,100	1,100	0	3,393	0	3,393	0	0	0	0	3,393	0	0	0	0	0	3,393
0	267	GROUND AND FACILITIES-2017 SC	CW	S3	03	-4	440	440	440	0	1,316	0	1,316	0	0	0	0	1,316	0	0	0	0	0	1,316
0	269	NEW FLEET PURCHASES-2017 SC	CW	S3	04	80	0	0	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0	270	SOILS MANAGEMENT PLAN-2017 SC	CW	S3	03	-200	-100	0	0	0	-300	0	-300	0	0	0	0	-300	0	0	0	0	0	-300
0	272	FERROUS UPGRADES - 2017 SC	CW	S3	03	-8,315	5,495	3,275	0	0	455	0	455	0	0	27	0	428	0	0	0	0	0	455
0	273	ELECTRICAL REHAB - ECAP- 2017 SC	CW	S3	01	-1,375	1,718	-3	0	0	340	0	340	0	0	0	0	340	0	0	0	0	0	340

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

<u>Sub-</u>	Desis						Curre	ent and Fu	ture Year	Cash Flov	N Commitm	onte			Curr	ent and Fi	uture Year (Cash Flov	v Comm	itments I	Financed	By		
Sub-	Desis				-					ouoninioi		ienta			Jun	cint and i t						,		
Priority		<u>ct No.</u> <u>Project Name</u> roj No. Sub-project Name V	Vard S	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	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2		bt - rerable	Total Financing
		SHBRIDGES BAY WWTP REHAB																						
0 2		REHAB OF GROUNDS & BUILDINGS- 2017 SC	CW	S3	03	0	472	0	0	0	472	0	472	o	0	0	0	472	0	C) 0	0	0	472
0 2		ROCESS UPGRADES & ODOUR CONTROL ENG- 2017 SC	CW	S3	04	-93	105	0	0	0	12	0	12	o	0	1	0	11	0	C) 0	0	0	12
0 2	276 P	POLYMER UPGRADE- 2017 SC	CW	S3	03	-12	3,000	8,000	6,000	6,000	22,988	7,000	29,988	0	0	0	0	29,988	0	() 0	0	0	29,988
0 2		OPERATIONS CENTRE - ENGINEERING- 017 SC	CW	S3	03	-100	400	0	0	0	300	0	300	o	0	0	0	300	0	C) 0	0	0	300
0 2		BTP - PROCESS ROADMAP PHASE 2- 017 SC	CW	S3	05	-975	500	250	250	0	25	0	25	0	0	0	0	25	0	C) 0	0	0	25
0 2	279 A	IR HEADER REHAB- 2017 SC	CW	S3	03	450	820	0	0	0	1,270	0	1,270	0	0	0	0	1,270	0	C) 0	0	0	1,270
0 2	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	0	0	0	34,442	0	C) 0	0	0	34,442
0 2		EATING AND AIR SYSTEMS SSESSMENT- 2017 SC	CW	S3	03	-90	100	0	0	0	10	0	10	0	0	0	0	10	0	C) 0	0	0	10
0 2	282 H	IVAC CONVERSION Z-BLDG- 2017 SC	CW	S3	03	-860	0	1,013	0	0	153	0	153	0	0	0	0	153	0	C) 0	0	0	153
0 2	285 B	BLOWER 7-9 OVERHAUL	CW	S4	03	800	500	0	0	0	1,300	0	1,300	0	0	0	0	1,300	0	C) 0	0	0	1,300
0 2		TANDBY POWER GENERATION- 2017 C	CW	S3	04	15	18	0	0	0	33	0	33	0	0	3	0	30	0	C) 0	0	0	33
		Sub-total				23,647	36,469	48,676	37,644	33,101	179,537	32,682	212,219	0	0	2,700	0	209,519	0	() (0	0	212,219
WAS00	00115 <u>H</u>	IUMBER T.P.																						
09	9 C	CO-GENERATION	CW	S2	04	335	109	0	0	0	444	0	444	0	0	0	0	444	0	C) 0	0	0	444
06	62 C	CO-GENERATION- 2017 SC	CW	S3	04	-135	150	0	0	0	15	0	15	0	0	0	0	15	0	C) 0	0	0	15
		Sub-total				200	259	0	0	0	459	0	459	0	0	0	0	459	0	() C	0	0	459
WAS00	00259 <u>T</u>	RUNK SEWER SYSTEM																						
0 1	15 T	RUNK SEWER REHABILITATION - 2012	CW	S2	03	1,643	748	101	29	0	2,521	0	2,521	0	0	0	0	2,521	0	C) 0	0	0	2,521
0 2	27 T	RUNK SEWER REHABILITATION - 2014	CW	S2	03	38,206	7,567	1,810	10	0	47,593	0	47,593	o	0	0	0	47,593	0	C) 0	0	0	47,593
03	34 B	BLACK CREEK STS EA	CW	S2	05	1,177	0	0	0	0	1,177	0	1,177	o	0	0	0	1,177	0	C) 0	0	0	1,177
0 4	47 T	RUNK SEWER REHABILITATION - 2016	CW	S2	03	3,590	19,175	11,770	240	10	34,785	0	34,785	o	0	0	0	34,785	0	C) 0	0	0	34,785
04		RUNK SEWER REHABILITATION - 014-2017 SC	CW	S3	03	-14,767	13,454	6,526	1,342	10	6,565	0	6,565	o	0	0	0	6,565	0	C) 0	0	0	6,565
05		RUNK SEWER REHABILITATION - 016-2017 SC	CW	S3	03	260	3,171	258	492	4	4,185	0	4,185	0	0	0	0	4,185	0	C) 0	0	0	4,185
0 5		RUNK SEWER REHABILITATION - 2012- 017 SC	CW	S3	03	430	755	318	-1	15	1,517	0	1,517	0	0	0	0	1,517	0	C) 0	0	0	1,517

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

						Curre	ent and Fu	uture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year Cash I	low Comm	nitments	Finance	d By			
	<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	Reserv Reserves Funds	Capital e from Current	Other 1	Other2		Debt - Recovera bt		Total Financing
	259 TRUNK SEWER SYSTEM												Cabolaloo										0
0 53	3 TRUNK SEWER REHABILITATION - 2018	B CW	S4	03	1,375	2,860	12,405	29,504	29,906	76,050	28,081	104,131	o	0	0	0 104,1	31 ()	0 0	0	0	0	104,131
0 54	BLACK CREEK STS EA- 2017 SC	CW	S3	05	-422	455	0	0	0	33	0	33	0	0	0	0 3	33 ()	0 0	0	0	0	33
	Sub-total				31,492	48,185	33,188	31,616	29,945	174,426	28,081	202,507	0	0	0	0 202,5)7 ()	0 0	0	0	0	202,507
WAS000	442 BASEMENT FLOODING RELIEF																					T	
0 1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	о	0	0	0 11,0	00 0)	0 0	0	0	0	11,000
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	920	756	200	200	0	2,076	0	2,076	0	0	0	0 2,0	76 ()	0 0	0	0	0	2,076
09	BASEMENT FLOODING RELIEF - TUNNE PROJECT	EL 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	0	0	172,050
0 12	2 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	0	515
0 14	BASEMENT FLOODING DESIGN - GROU	JP CW	S2	04	1,170	1,136	0	0	0	2,306	0	2,306	0	0	0	0 2,30)6 ()	0 0	0	0	0	2,306
0 18	BASEMENT FLOODING DESIGN - GROU 2	JP CW	S2	04	4,108	2,456	0	0	0	6,564	0	6,564	0	0	0	0 6,5	64 ()	0 0	0	0	0	6,564
0 19	BASEMENT FLOODING RELIEF - GROUP	P CW	S2	04	60,405	37,752	26,004	6,243	1,000	131,404	0	131,404	0	0	0	0 131,4)4 ()	0 0	0	0	0	131,404
0 20	BASEMENT FLOODING DESIGN - GROU 3	JP 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	0	7,390
0 29	BASEMENT FLOODING RELIEF - GROUP	P 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	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	0	6,614
0 77	BASEMENT FLOODING DESIGN - GROU 4 (ENGINEERING)	JP 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	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	0	16,255
0 89	 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION) 	P 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 ()	0 0	0	0	0	767,278
0 10	2 BASEMENT FLOODING DESIGN - GROU 1-2017 SC	JP CW	S3	04	-569	-997	1,075	0	0	-491	0	-491	0	0	0	0 -4	91 ()	0 0	0	0	0	-491
0 10	3 BASEMENT FLOODING RELIEF - TUNNE PROJECT-2017 SC	EL CW	S3	04	-4,500	-3,545	-33,455	-27,100	0	-68,600	70,000	1,400	o	0	0	0 1,4	00 0)	0 0	0	0	0	1,400
0 10	BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	P CW	S3	04	-42,348	-28,120	-15,077	10,302	6,500	-68,743	0	-68,743	0	0	0	0 -68,74	43 ()	0 (0	0	0	-68,743
0 10	BASEMENT FLOODING DESIGN - GROU 3-2017 SC	JP CW	S3	04	-2,030	-76	41	2,300	0	235	0	235	0	0	0	0 23	35 ()	0 (0	0	0	235
0 10	BASEMENT FLOODING DESIGN - GROU 4 ENG-2017 SC	JP CW	S3	04	5,378	-1,305	-6,130	-5,595	-7,660	-15,312	-4,995	-20,307	o	0	0	0 -20,30)7 ()	0 0	0	0	0	-20,307
0 10	 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION) 	P 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 ()	0 (0	0	0	40,878
0 10	18 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	0	0	1,000
				1	. 1						•	· · · · ·	•										

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

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

							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year C	ash Flow	/ Comm	itments I	inanced	Ву	
<u>Sub</u> Prio		j <u>ect 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	R Reserves		Capital from Current	Other 1	Other2	Debt - Recoverab Debt	^{Ile} Total Financing
WAS	000442	BASEMENT FLOODING RELIEF																					
0	109	REAL ESTATE - IDC	CW	S4	04	63	131	0	0	0	194	0	194	o	0	0	0	194	0	C	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	C	0	0	0	5,500	0	C	0	0	0 5,500
0	111	BASEMENT FLOODING STUDIES & EAS 2017 SC	- CW	S3	04	215	249	0	0	100	564	0	564	C	0	0	0	564	0	C	0	0	0 564
0	112	BASEMENT FLOODING DESIGN - GROU 2- 2017 SC	IP CW	S3	04	-2,810	-1,821	2,390	2,000	0	-241	0	-241	C	0	0	0	-241	0	C	0	0	0 -241
0	113	BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	P CW	S3	04	-2,207	1,511	55	0	0	-641	0	-641	C	0	0	0	-641	0	C	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	o	0	0	0	-515	0	C	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	o	0	0	0	2,662	0	C	0	0	0 2,662
0	116	BASEMENT FLOODING FLOW MONITORING- 2017 SC		S3	04	-715	-574	-546	-518	-500	-2,853	0	-2,853	C	0	0	0	-2,853	0	C	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	01,2	236,730	0	C	0	0	0 1,236,730
WAS	000521	HIGHLAND CREEK WWTP - BUILDING S	ERV &																				
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,326	4,000	1,742	0	0	7,068	0	7,068	o	0	0	0	7,068	0	C	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	C	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	C	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	C	0	0	0	395	0	C	0	0	0 395
0	31	LAB EQUIPMENT- 2017 SC	CW	S3	03	57	41	358	209	458	1,123	0	1,123	o	0	0	0	1,123	0	C	0	0	0 1,123
		Sub-total				245	248	358	209	458	1,518	0	1,518	0	0	0	0	1,518	0	C	0	0	0 1,518
WAS	906328	SWM END OF PIPE FACILITIES																					
0	11	Bonar Creek SWMF Construction	CW	S2	04	3,000	7,400	5,570	150	0	16,120	0	16,120	o	0	1,296	0	14,824	0	C	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	C	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	C	0	3,860	0	44,090	0	C	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	o	0	32	0	348	0	C	0	0	0 380
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S4	03	100	350	150	0	0	600	0	600	o	0	48	0	552	0	C	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	C	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	o	0	-4	0	-39	0	C	0	0	0 -43

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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			Cur	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	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	Debt - Recoverabl Debt	e Total Financing
WAS90632	8 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	0	0	0	0	2	0		0 0	0	0 2
	Sub-total				1,330	1,101	8,250	7,700	1,250	19,631	46,900	66,531	0	0	5,355	0	61,176	0		0 0	0	0 66,531
WAS90633	1 SWM SOURCE CONTROL PROG																					
09	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	0	0	0	300	0	300	0	0	0	0	300	0		0 0	0	0 300
	Sub-total				150	150	0	0	0	300	0	300	0	0	0	0	300	0		0 0	0	0 300
WAS90638	0 HIGHLAND CREEK WWTP - ODOUR CO	ONTROL																				
0 1	ODOUR CONTROL UPGRADES - PHAS ENG	SE1 CW	S2	04	524	1,020	917	100	5	2,566	0	2,566	o	0	206	0	2,360	0		0 0	0	0 2,566
0 2	ODOUR CONTROL UPGRADES - PHAS CONSTR	SE1 CW	S2	02	15,000	15,000	5,205	0	0	35,205	0	35,205	0	0	2,833	0	32,372	0		0 0	0	0 35,205
0 20	ODOUR CONTROL UPGRADES - PHAS ENG-2017 SC	SE1 CW	S 3	04	476	-400	-477	339	1	-61	0	-61	o	0	-6	0	-55	0		0 0	0	0 -61
0 21	ODOUR CONTROL UPGRADES - PHAS CONSTR- 2017 SC	SE1 CW	S 3	02	-1,999	-7,000	1,000	6,117	0	-1,882	0	-1,882	o	0	-152	0	-1,730	0		0 0	0	0 -1,882
	Sub-total				14,001	8,620	6,645	6,556	6	35,828	0	35,828	0	0	2,881	0	32,947	0		0 0	0	0 35,828
WAS90648	6 ASHBRIDGES BAY T.P III YR2004																					
0 3	PCS-PLANT SRVS	CW	S2	04	30	0	0	0	0	30	0	30	o	0	2	0	28	0		0 0	0	0 30
0 48	PCS-PLANT SRVS- 2017 SC	CW	S3	04	10	177	0	0	0	187	0	187	o	0	15	0	172	0		0 0	0	0 187
	Sub-total				40	177	0	0	0	217	0	217	0	0	17	0	200	0		0 0	0	0 217
WAS90648	7 HIGHLAND CREEK T.P IV YR2004																					
0 22	PCS PLANT SERVICES	CW	S4	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0		0 0	0	0
	Sub-total				1	0	0	0	0	1	0	1	0	0	0	0	1	0) ()	0	0 1
WAS90648	8 HUMBER T.P II YR2004																					
0 2	PCS PLANT SERVICES	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0		0 0	0	0 2
0 24	PCS PLANT SERVICES- 2017 SC	CW	S3	04	-1	8	0	0	0	7	0	7	o	0	1	0	6	0		0 0	0	0
	Sub-total				1	8	0	0	0	9	0	9	0	0	1	0	8	0		0 0	0	0 9
WAS90649	2 WET WEATHER FLOW MP																					
0 1	SWM INA/EA	CW	S2	04	650	350	50	0	0	1,050	0	1,050	o	0	84	0	966	0		0 0	0	0 1,050
0 2	PUBLIC EDUCATION	CW	S2	04	550	0	0	0	0	550	0	550	o	0	44	0	506	0		0 0	0	0 550
0 14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	1,570	1,450	0	0	0	3,020	0	3,020	0	0	244	0	2,776	0		0 0	0	0 3,020

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

	-				·																		
						Curre	ent and Fu	iture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
	roject No. <u>Project Name</u> 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	Rec	ebt - overable	Total Financing
	92 WET WEATHER FLOW MP																						
0 58	SWM CONVEYANCE 2015	CW	S2	04	685	0	0	0	0	685	0	685	о	0	55	0	630	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	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 SC	CW	S3	04	-4,545	0	0	0	0	-4,545	4,550	5	0	0	0	0	5	0) 0	0	0	5
0 84	SWM CONVEYANCE 2017	CW		04	3,460	2,172	1,010	0	0	6,642	0	6,642	0			0	6,107	0			0	0	6,642
0 85	HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	CW		04	200	0	0	0	0	200	0	200	0				184	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	1,474
0 92	WWFMP IMPLEMENTATION - DESIGN - 2017 SC	CW	S3	04	-872	-712	1,400	1,450	0	1,266	0	1,266	0	0	101	0	1,165	0) 0	0	0	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	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	670
0 95	SWM CONVEYANCE 2015- 2017 SC	CW		04	-434	200	0	0	0	-234	0	-234	0	-			-215	0) 0	0	0	-234
0 96	SWM CONVEYANCE 2016- 2017 SC	CW		04	-2,303	-245	0	0	0	-2,548	0	-2,548	0				-2,343	0) 0	0	0	-2,548
0 97	WATERFRONT MODELLING STUDIES	CW	S4	05	25 6,870	100	100	100	9,400	425 50,079	75 16,075	500 66,154	0	-			460 64,873	0) 0) 0	0	0	500 66,154
					0,010	,	10,000	,020	0,100	00,010	10,010	00,101			1,201		0 1,07 0						
WAS90649	95 SEWER ASSET PLANNING																						1
05	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	13,461
0 7	SEWER SYSTEM INSPECTION	CW		03	8,978	10,741	12,000	11,000	5,495	48,214	0	48,214	0			0	48,214	0) 0	0	0	48,214
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW		05	225	0	0	0	0	225	0	225	0	-	-	0	225	0			0	0	225
0 31 0 32	SEWER ASSET PLANNING-2017 SC SEWER SYSTEM INSPECTION-2017 SC	cw		03 03	349 293	3,575 9,541	2,994	0 -1,000	0 -5,495	6,918 -916	0	6,918 -916	0				6,360 -916	0) 0) 0	0	0	6,918 -916
											-			-	-					-	-	0	
0 33	PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	CW	S3	05	-75	150	0	0	0	75	0	75	0	0	0	0	75	0) 0	0	0	75

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

Promotivation Sub-program Ward Star Lea 2017 2018 2018 2018 2012 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-200 2017-200 2012-200 2017-200 2012-2002 2017-200 2012-2002 2017-200 2012-200 2017-200 <th></th> <th></th> <th></th> <th></th> <th>1</th> <th>· · · · · · · · · · · · · · · · · · ·</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>I</th> <th></th>					1	· · · · · · · · · · · · · · · · · · ·							I											
Bub Projet MAB						,	Curre	ent and Fu	uture Year	Cash Flo	w Commitm	nents			Curi	rent and F	uture Year	Cash Flo	w Comm	itments	Finance	зBy		
NUMBER Same and and any and any and any			Ward	Stat.	Cat.	2017	2018	2019	2020	2021				Provincial Grants and Subsidies	Federal [Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2		Recoverable	Total Financing
Image: series in the														Cabolaloo										
Normal Proprietation Image: constraint of the server con	0 34	CORP IT - IDC	CW	S4	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0		0 ()	0 0) 147
0 5 NUM SERVERS CW 52 05 500 0		Sub-total				14,933	28,107	14,829	10,255	0	68,124	0	68,124	0	0	1,641	0	66,483	0		0	0	0 0	68,124
3 3 WATERFRONT SANTARY MAMP CW S2 6 0<	VAS906500	NEW SEWER CONSTRUCTION																						
SERVICING FLAM MP SERVICING FLAM MP CW S2 6 1 6 0 0 7.985 0 7.985 0 7.995 0 0 0 <th0< td=""><td>0 5</td><td>NEW SEWERS</td><td>CW</td><td>S2</td><td>05</td><td>506</td><td>0</td><td>0</td><td>0</td><td>0</td><td>506</td><td>0</td><td>506</td><td>0</td><td>0</td><td>315</td><td>0</td><td>191</td><td>0</td><td></td><td>0 (</td><td>)</td><td>0 0</td><td>506</td></th0<>	0 5	NEW SEWERS	CW	S2	05	506	0	0	0	0	506	0	506	0	0	315	0	191	0		0 ()	0 0	506
UPCRADES UPCRAES UPCRAES UPCRAES UP	0 24		CW	S2	05	0	0	0	0	8,000	8,000	32,000	40,000	0	0	20,000	0	20,000	0		0 ()	0 0	40,000
SERVICING PLANAPORT SC SUBJECT SC GM GM <thgm< th=""> GM <thgm< th=""></thgm<></thgm<>	0 25		CW	S2	05	1,495	2,000	4,500	0	0	7,995	0	7,995	0	0	7,995	0	0	0		0 ()	0 0	7,995
0 35 DOWNSVIEW LANDS EXTENNAL UPGRADES: 2017 SC. Sub-total CW S3 0 4-5 3,000 -2,950 0 0 5 0 0 5 0 0 5 0	0 31		CW	S3	05	500	2,000	5,000	5,000	-8,000	4,500	-32,000	-27,500	0	0	-13,750	0	-13,750	0		0 ()	0 0	-27,500
UPRADES-2017 SC Image: control or con	0 33	NEW SEWERS- 2017 SC	CW	S3	05	-491	560	0	0	0	69	0	69	0	0	42	0	27	0		0 ()	0 0	69
WASS06501 YARD & BUILDING RENOVATION CW S2 04 2 2 0 0 0 4 0	0 35		CW	S3	05	-45	3,000	-2,950	0	0	5	0	5	0	0	5	0	0	0		0 ()	0 0	5
0 11 YARDS & BUILDING RENOVATION CW S2 04 2 2 0 0 0 4 0		Sub-total				1,965	7,560	6,550	5,000	0	21,075	0	21,075	0	0	14,607	0	6,468	0		0	0	0 C	21,075
Sub-total C <thc< th=""> C <thc< th=""> <thc< t<="" td=""><td>VAS906501</td><td>YARD & BUILDING RENOVATION</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thc<></thc<></thc<>	VAS906501	YARD & BUILDING RENOVATION																						
WAS906735 DIST SEWER REHAB OPS YR2005 Image: constrained operators in the set of the set operators in the set operator in the set operators in the set operators in the set operators in the set operators in the set operator in the set operators in the set operator in the set operatory in the set operatory index and the set operatori	0 11	YARDS & BUILDING RENOVATION	CW	S2	04	2	2	0	0	0	4	0	4	0	0	0	0	4	0		0 0)	0 0	4
0 10 GROUP 1 SEWAGE PUMPING STATION CW S2 0.3 6 0 0 0 0 6 0		Sub-total				2	2	0	0	0	4	0	4	0	0	0	0	4	0		0	0	0 0) 4
UPGRADES UPGRADES <th< td=""><td>VAS906735</td><td>DIST SEWER REHAB OPS YR2005</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	VAS906735	DIST SEWER REHAB OPS YR2005																						
UPGRADES - 2017 SC Sub-total 3 12 69 0 0 84 0 0 7 0 77 0 <	0 10		CW	S2	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0		0 0)	0 0	6
WAS906741 HIGHLAND CREEK TP YR2005 Image: Constrained by the constratined by the constrained by the constrained by the cons	0 18		CW	S3	03	-3	12	69	0	0	78	0	78	0	0	7	0	71	0		0 ()	0 0	78
0 1 WAS THICKENING AND DEWATERING - CW S2 03 40 6 0 0 0 46 0 46 0 0 3 0 43 0 0 0 0 0 0 1 0 0 3 0 43 0 <td< td=""><td></td><td>Sub-total</td><td></td><td></td><td></td><td>3</td><td>12</td><td>69</td><td>0</td><td>0</td><td>84</td><td>0</td><td>84</td><td>0</td><td>0</td><td>7</td><td>0</td><td>77</td><td>0</td><td></td><td>0</td><td>Э</td><td>0 0</td><td>84</td></td<>		Sub-total				3	12	69	0	0	84	0	84	0	0	7	0	77	0		0	Э	0 0	84
ENG Name Nam Name Name <	VAS906741	HIGHLAND CREEK TP YR2005																						
ENG- 2017 SC Sub-total Image: Constrained by the second seco	0 1		CW	S2	03	40	6	0	0	0	46	0	46	0	0	3	0	43	0		0 ()	0 0	46
WAS906742 HUMBER TP YR2005 Image: Constrained by the second	0 19		CW	S 3	03	-27	4	0	0	0	-23	0	-23	0	0	-1	0	-22	0		0 ()	0 0	-23
0 8 ODOUR CONTROL ENGINEERING CW S2 04 1,275 100 60 0 1,435 0 0 0 1,435 0 0 0 1,435 0 0 0 1,435 0 0 0 1,435 0 0 0 1,435 0 0 0 1,435 0 0 0 1,435 0		Sub-total				13	10	0	0	0	23	0	23	0	0	2	0	21	0		0	Э	0 0	23
0 56 ODOUR CONTROL ENGINEERING-2017 CW S3 04 -74 410 540 100 20 996 0 996 0 0 0 0 0 996 0 0 0 0 0 0	VAS906742	HUMBER TP YR2005																						
	0 8	ODOUR CONTROL ENGINEERING	CW	S2	04	1,275	100	60	0	0	1,435	0	1,435	0	0	0	0	1,435	0		0 ()	0 0	1,435
	0 56		CW	S3	04	-74	410	540	100	20	996	0	996	0	0	0	0	996	0		0 0)	0 0	996
Sub-total 1,201 510 600 100 20 2,431 0 0 0 0 2,431 0		Sub-total				1,201	510	600	100	20	2,431	0	2,431	0	0	0	0	2,431	0		0	D	0 C	2,431
WAS906743 ASHRIDGES BAY TP YR2005	VAS906743	ASHRIDGES BAY TP YR2005																						

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

							-							(
							Curr	ent and F	uture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year Ca	ash Flow	Comm	itments	Financed	,		
<u>Sub</u> Pric		<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	Re Reserves F		apital from urrent	Other 1	Other2	Debt Recove Debt	able	Total 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	C	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	с	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	с	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	C	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																						
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	4,709	3,092	1,057	15	86	8,959	0	8,959	C	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	C	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	С	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	C	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	C	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	С	0 0	0	0	19,284	0) (0 0	0	0	19,284
0	98	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	с	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	C	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	C	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	C	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	С	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	С	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	С	0 0	0	0	20	0) (0 0	0	0	20
0	111	DESIGNATED SUBSTANCE ABATEMENT 2017 SC	CW	S3	02	-100	-100	0	0	0	-200	0	-200	С	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	С	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	C	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

L		U U																						
							Curr	ent and Fu	uture Year	Cash Flo	w Commitr	nents			Cur	rrent and F	uture Year	Cash Flo	w Comm	itments	Financeo	d 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		Debt - Recoverable ot	Total Financing
WA	S906926	OPERATIONAL SUPPORT																						
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S4	04	250	250	1,000	2,000	400	3,900	0	3,900	C	0	0 0	0	3,900	0) ()	0 0	3,900
		Sub-total				7,415	9,487	6,765	6,749	451	30,867	0	30,867	0	0	0 0	0	30,867	0) (D	0 0	30,867
WA	S906958	SEWER SYSTEM REHABILITATION																						1
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	10	0	0	0	0	10	0	10	C	0) 1	0	9	0) ()	0 0	10
0	5	CCTV INSPECTION	CW	S2	03	59	0	0	0	0	59	0	59	o	0	0 0	0	59	0) ()	0 0	59
0	8	SPS SCADA UPGRADES - ENGINEERING	G CW	S2	04	561	0	0	0	0	561	0	561	O	0) 45	0	516	0) ()	0 0	561
0	9	SEWER REHABILITATION	CW	S2	03	9,700	3,581	0	0	0	13,281	0	13,281	o	0	0 0	0	13,281	0) ()	0 0	13,281
0	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	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	C	0	1,781	0	20,348	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	O	0	3,551	0	45,973	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	C	0	0 0	0	2,341	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	C	0	0 0	0	33,105	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	o	0	-3,551	0	54,970	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	C	0	-2	0	-28	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	C	0	3	0	29	0) ()	0 0	32
0	88	SPS SCADA UPGRADES - ENGINEERING 2017 SC	G- CW	S3	04	-173	214	0	0	0	41	0	41	o	0) 3	0	38	0	. () ()	0 0	41
0	89	GROUP 5 SEWAGE PUMPING STATION UPGRADES- 2017 SC	CW	S3	05	-4,308	0	100	2,000	2,100	-108	0	-108	0	0	9 -9	0	-99	0) ()	0 0	-108
		Sub-total				67,702	62,982	30,501	5,664	3,828	170,677	1,850	172,527	0	0	1,835	0	170,692	0) (D	0 0	172,527
WA	S906960) STREAM RESTORATION & EROSION CO	<u>NTRC</u>																					
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	42	0	0	0	0	42	0	42	O	0) 3	0	39	0) ()	0 0	42
0	7	STREAM RESTORATION	CW	S2	03	7,871	3,860	2,730	300	50	14,811	0	14,811	C	0	1,192	0	13,619	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	C	0	2,927	0	33,463	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	C	0	480	0	5,475	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	C	0	403	0	4,597	0) ()	0 0	5,000

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

						Curr	ont and Eu	turo Voar	Cash Eloy	v Commitn	nonte		1		ront and E	uturo Voor (Cash Els	w Comm	itmonto	Financad	Bu		
						Curr	ent and Fu	ture rear	Cash Fio	w commu				Cu	rent and F	uture Year (Cash Fic		tments	Financed			
Sub-	Project	No. Project Name								Total	Total	Total	Provincial	Federal	Development	_ F	Reserve	Capital from)ebt - overable	Total
	-	j No. Sub-project Name	Ward S	tat. Ca	. 2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Grants and Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WASS	06960 ST	REAM RESTORATION & EROSION CO	<u>ONTRC</u>																				
0	48 ST	REAM RESTORATION - 2017 SC	CW	S3 03	-5,065	-3,571	-2,730	-300	-50	-11,716	0	-11,716	0	0	-943	0	-10,773	0	(0 0	0	0	-11,716
0	49 ST SC	REAM RESTORATION - PHASE 2 - 20	017 CW	S3 03	-2,850	-8,350	-8,800	-4,400	-2,200	-26,600	-9,790	-36,390	0	0	-2,927	0	-33,463	0	(0 0	0	0	-36,390
0		GHLAND CREEK STREAM STORATION- 2017 SC	CW	S3 04	3	0	0	0	0	3	0	3	0	0	1	0	2	0	(0 0	0	0	3
0	51 ST	UDIES, EAs, MASTER PLANS	CW	S4 03	910	1,740	1,930	860	410	5,850	50	5,900	0	0	474	0	5,426	0	(0 0	0	0	5,900
0	52 CR	ITICAL REPAIRS	CW	S4 03	825	1,775	1,500	1,275	1,575	6,950	2,555	9,505	o	0	766	0	8,739	0	(0 0	0	0	9,505
0	53 EN	ERGENCY EROSION CONTROL	CW	S4 03	300	740	850	300	300	2,490	150	2,640	0	0	212	0	2,428	0	(0 0	0	0	2,640
		Sub-total			5,986	7,319	7,015	4,060	3,515	27,895	4,245	32,140	0	0	2,588	0	29,552	0	(0 0	0	0	32,140
WASS	06966 <u>SW</u>	M TRCA FUNDING																					
0		RONTO WATER TRANSFER TO TRC/ PITAL-2017 SC	A CW	S3 04	4,275	0	0	0	0	4,275	0	4,275	o	0	344	0	3,931	0	(0 0	0	0	4,275
		Sub-total			4,275	0	0	0	0	4,275	0	4,275	0	0	344	0	3,931	0	(0 0	0	0	4,275
WASS	06968 EN	GINEERING																					
0	2 CC	NSULTING FEES	CW	S2 03	13,978	9,453	6,307	5,554	1,313	36,605	0	36,605	o	0	0	0	36,605	0	(0 0	0	0	36,605
0	59 RC	AD RESTORATION	CW	S2 03	1,838	0	0	0	0	1,838	0	1,838	o	0	0	0	1,838	0	(0 0	0	0	1,838
0	64 CC	NSULTING FEES	CW	S3 03	-2,100	3,094	5,430	17	1,334	7,775	2,265	10,040	o	0	0	0	10,040	0	(0 0	0	0	10,040
0	65 EC	S 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 RC	AD RESTORATION- 2017 SC	CW	S3 03	-1,038	800	0	0	0	-238	0	-238	o	0	0	0	-238	0	(0 0	0	0	-238
		Sub-total			26,614	13,347	11,737	5,571	2,647	59,916	2,265	62,181	0	0	0	0	62,181	0	(0 0	0	0	62,181
WASS	06973 <u>SE</u>	WER REPLACEMENT PROGRAM																					
0	24 FO	RCEMAIN REPLACEMENT	CW	S2 03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	(0 0	0	0	10
0	25 20 ⁻	2 SEWER REPLC	CW	S2 03	415	0	0	0	0	415	0	415	o	0	0	0	415	0	(0 0	0	0	415
0	35 20 ⁻	3 SEWER REPLC	CW	S2 03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	(0 0	0	0	1
0	36 SE	WER REPLC - 2014 PROGRAM	CW	S2 03	631	0	0	0	0	631	0	631	o	0	2	0	629	0	(0 0	0	0	631
0	46 EB	FREPORT	CW	S2 04	41	0	0	0	0	41	0	41	o	0	27	0	14	0	(0 0	0	0	41
0	52 SE	WER REPLACEMENT - METROLINX	CW	S2 03	1,951	1,900	1,786	0	0	5,637	0	5,637	o	0	0	0	5,637	0	(0 0	0	0	5,637
0	55 SE SC	WER REPLACEMENT - LESLIE ST 20	017 CW	S3 03	147	0	0	0	0	147	0	147	0	0	12	0	135	0	(0 0	0	0	147

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					ĺ		Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Curi	ent and Fu	uture Year Ca	sh Flow Cor	nmitn	ments F	inanced	Ву	
<u>Sub</u> Prio		ect No. <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	evelopment Charges	Res Reserves Fu	Capit serve from nds Curre	ı	Other 1	Other2	Debt - Recovera Debt	ole Total Financing
WAS	906973	SEWER REPLACEMENT PROGRAM																					
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	1,511	182	0	0	0	1,693	0	1,693	o	0	137	0	1,556	0	0	0	0	0 1,693
0	71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	10,222	4,610	0	0	0	14,832	0	14,832	C	0	1,194	0 1	3,638	0	0	0	0	0 14,832
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	3,475	10,000	9,900	50	50	23,475	0	23,475	C	0	0	0 2	3,475	0	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	a	0	660	0	7,542	0	0	0	0	0 8,202
0	81	SEWER REPLC - 2014 PROGRAM - 2017 SC	CW	S3	03	-607	335	0	0	0	-272	0	-272	a	0	27	0	-299	0	0	0	0	0 -272
0	82	SEWER REPLACEMENT - METROLINX - 2017 SC	CW	S3	03	-1,759	-1,708	175	1,916	1,916	540	0	540	C	0	0	0	540	0	0	0	0	0 540
0	83	FORCEMAIN REPLACEMENT- 2017 SC	CW	S3	03	-5	25	0	0	0	20	0	20	C	0	0	0	20	0	0	0	0	0 20
0	84	2012 SEWER REPLC- 2017 SC	CW	S3	03	-393	100	0	0	0	-293	0	-293	C	0	0	0	-293	0	0	0	0	0 -293
0	85	EBF REPORT- 2017 SC	CW	S3	04	959	0	0	0	0	959	0	959	C	0	627	0	332	0	0	0	0	0 959
0	86	EBF REPORT- 2017 SC	CW	S3	04	4,442	0	0	0	0	4,442	0	4,442	C	0	2,905	0	1,537	0	0	0	0	0 4,442
0		SEWER REPLC - 2015 PROGRAM- 2017 SC	CW	S3	03	314	505	0	0	0	819	0	819	a	0	65	0	754	0	0	0	0	0 819
0		SEWER REPLC - 2016 PROGRAM- 2017 SC	CW	S3	03	-4,021	4,788	0	0	0	767	0	767	C	0	62	0	705	0	0	0	0	0 767
0		FORCEMAIN REPLACEMENT - 2016- 201 SC	17 CW	S3	03	-3,100	900	1,000	-25	-25	-1,250	0	-1,250	o	0	0	0 -	1,250	0	0	0	0	0 -1,250
		Sub-total				19,132	23,684	14,118	1,941	1,941	60,816	0	60,816	0	0	5,718	0 5	5,098	0	0	0	0	0 60,816
WAS	906980	ASHBRIDGES BAY T.P. YR2006																					1
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	1,248	0	0	0	0	1,248	0	1,248	C	0	100	0	1,148	0	0	0	0	0 1,248
0	42	DEWATERING EQUIPMENT UPGRADES- 2017 SC	- CW	S3	03	-1,248	0	0	0	0	-1,248	0	-1,248	C	0	-100	0 -	1,148	0	0	0	0	0 -1,248
		Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																					
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,970	720	615	848	640	5,793	35	5,828	C	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	C	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	C	0	81	0	929	0	0	0	0	0 1,010
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	671	0	0	0	0	671	0	671	C	0	0	0	671	0	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	C	0	0	0 1	3,063	0	0	0	0	0 13,063

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							Curre	ent and Fu	uture Year	Cash Flov	w Commitn	nents			Cur	rent and Fut	ture Year	Cash Flo	w Comm	itments	Financed	Ву	
<u>Sub</u> Prio	-	ject No. <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 I Subsidy	Development Charges F	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverab Debt	e Total Financing
		HIGHLAND CREEK WWTP UPGRADES												Cubbilaide									
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	1,117	650	7,230	1,210	0	10,207	0	10,207	O	0	0	0	10,207	0) (0 0	0	0 10,207
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	390	0	0	0	0	390	0	390	C	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	o	0	0	0	2,498	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	o	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	0	245	C	0	0	0	245	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	C	0	0	0	1,240	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	C	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	C	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	C	0	0	0	48,680	0) () 0	0	0 48,680
0	123	COMMUNICATION SYSTEM	CW	S2	04	400	650	1,900	400	50	3,400	0	3,400	C	0	0	0	3,400	0) (0 0	0	0 3,400
0	124	BIOSOLIDS TREATMENT UPGRADES -2017 SC	CW	S3	03	-4,575	3,567	-99	-70	0	-1,177	0	-1,177	C	0	-97	0	-1,080	0) (0 0	0	0 -1,177
0	125	TRANSFORMERS AND SWITCHGEAR-2017 SC	CW	S3	05	-500	-310	800	500	0	490	0	490	C	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	C	0	0	0	-350	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	C	0	0	0	5,202	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	C	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	C	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	C	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	O	0	0	0	10	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	O	0	0	0	635	0) () 0	0	0 635
0	133	MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	CW	S3	03	-357	120	0	0	0	-237	0	-237	C	0	0	0	-237	0) (0 0	0	0 -237
0	134	ELECTRICAL UPGRADES - ECAR- 2017 SC	CW	S3	03	-634	173	-2,430	-1,210	0	-4,101	0	-4,101	C	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	C	0	0	0	-1	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	C	0	0	0	5	0) () 0	0	0 5
0	137	PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	CW	S3	03	-1,240	0	0	0	0	-1,240	0	-1,240	C	0	0	0	-1,240	0) () 0	0	0 -1,240

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

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

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

							Curre	ent and Fu	uture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	uture Year	Cash Flo	w Commi	tments	Financed	Ву		
<u>Su</u> Pri		oject No. <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	Rec	Debt - coverable	7 Total Financing
WA	S90698	2 HUMBER WWTP UPGRADES																						
0	114	FIELD OFFICE- 2017 SC	CW	S3	03	322	0	0	0	0	322	0	322	с	0 0	0	0	322	0		0 0	0	0	322
0	116	SERVICE REHAB AND UPGRADES	CW	S4	03	500	1,000	500	8,250	8,250	18,500	8,000	26,500	С	0 0	0	0	26,500	0		0 0	0	0	26,500
		Sub-total				9,596	13,118	12,565	13,190	10,033	58,502	25,420	83,922	0	0	0	0	83,922	0		0 C	0	C	83,922
WA	S90699	4 HIGHLAND CREEK WWTP - SOLIDS &	GAS HA																					
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	3,029	4,340	1,600	655	2,000	11,624	500	12,124	С	0 0	976	0	11,148	0		0 0	0	0	12,124
0	3	WAS THICKENING - CONSTR	CW	S2	03	102	0	0	0	0	102	0	102	с	0 0	8	0	94	0		0 0	0	0	102
0	17	WAS THICKENING - CONSTR-2017 SC	CW	S3	03	-52	504	0	0	0	452	0	452	c	0 0	37	0	415	0		0 0	0	0	452
0	18	HCTP BMP IMPLEMENTATION-2017 SC	CW	S3	04	-2,929	-1,840	900	1,845	200	-1,824	5,100	3,276	C	0 0	263	0	3,013	0		0 0	0	0	3,276
		Sub-total				150	3,004	2,500	2,500	2,200	10,354	5,600	15,954	0	0	1,284	0	14,670	0		0 C	0	C	15,954
WA	S90703	8 Land Acquisition for Source Water Protect	<u>t</u>																					
0	14	TRCA - SCARBOROUGH WATERFRON TRAIL EA	T CW	S2	04	85	0	0	0	0	85	0	85	c	0 0	7	0	78	0		0 0	0	0	85
0	25	TRCA - SCARBOROUGH WATERFRON WEST EA	T CW	S2	04	1,385	400	0	0	0	1,785	0	1,785	С	0 0	47	0	1,738	0		0 0	0	0	1,785
0	27	TRCA - CRITICAL EROSION SITES-201 SC	7 CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	с	0 0	644	0	7,356	0		0 0	0	0	8,000
0	28	TRCA - SCARBOROUGH WATERFRON WEST EA - 2017 SC	T CW	S3	04	-385	600	350	0	0	565	0	565	C	0 0	141	0	424	0		0 0	0	0	565
		Sub-total				9,085	1,000	350	0	0	10,435	0	10,435	0	0	839	0	9,596	0		0 C	0	C	10,435
WA	S90709	7 ASHBRIDGES BAY WWTP - BUILDING	<u>SERVIC</u>																					
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	c	0 0	0	0	100	0		0 0	0	0	100
0	19	BIO GAS UTILIZATION	CW	S2	04	1,035	1,300	2,000	50	50	4,435	0	4,435	c	0 0	0	0	4,435	0		0 0	0	0	4,435
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	850	1,950	2,455	30	30	5,315	0	5,315	c	0 0	0	0	5,315	0		0 0	0	0	5,315
0	61	CONTROLLED SUBSTANCE IDENTIFICATION ABATE-2017 SC	CW	S3	02	0	100	100	100	0	300	0	300	с	0 0	0	0	300	0		0 0	0	0	300
0	62	BIO GAS UTILIZATION-2017 SC	CW	S3	04	-835	-300	-1,000	1,950	1,950	1,765	100	1,865	с	0 0	0	0	1,865	0		0 0	0	0	1,865
0	63	BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 SC	CW	S3	04	-400	-20	-485	135	180	-590	1,055	465	с	0 0	0	0	465	0		0 0	0	0	465
0	64	GROVE LANDSCAPING - PHASE 1	CW	S4	04	790	1,045	0	0	0	1,835	0	1,835	с	0 0	0	0	1,835	0		0 0	0	0	1,835
		Sub-total				1,540	4,075	3,070	2,265	2,210	13,160	1,155	14,315	0	0	0	0	14,315	0		0 C	0	C) 14,315
WA	S90709	8 ASHBRIDGES BAY WWTP - EFFLUENT	SYSTE																					

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

								Curre	ent and Fu	uture Year	Cash Flov	w Commitr	nents			Cur	rent and Fu	uture Year Cash F	low Comn	nitments	Financed	Ву	
<u>Sub-</u> Prior			roject Name ub-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 Reserves Funds	Capital from Current	Other 1	Other2	Debt - Recoverat Debt	ole Total Financin
WAS9	07098	ASHBRIDGE	S BAY WWTP - EFFLUENT S	YSTE																			
0	1	DISINFECTIO	ON ENGINEERING	CW	S2	02	4,184	6,200	960	167	123	11,634	0	11,634	0	0	936	0 10,69	8 () () 0	0	0 11,63
0	13	OUTFALL AS	SESSMENT	CW	S2	02	940	0	0	0	0	940	0	940	0	0	94	0 84	6 () () 0	0	0 94
0	14	OUTFALL EN	IGINEERING	CW	S2	02	8,710	4,500	5,000	5,000	5,000	28,210	6,929	35,139	0	0	2,827	0 32,31	2 () () 0	0	0 35,13
0	15	DISINFECTION	ON SYSTEM CONSTRUCTION	N CW	S4	02	100	75,000	90,000	64,900	0	230,000	0	230,000	0	0	18,510	0 211,49	0 () () 0	0	0 230,00
0	28	DISINFECTION	ON ENGINEERING-2017 SC	CW	S3	02	-3,174	200	1,537	1,440	-48	-45	75	30	0	0	2	0 2	8 () () 0	0	0 3
0	29	OUTFALL AS	SESSMENT - 2017 SC	CW	S3	02	-940	0	0	0	0	-940	0	-940	0	0	-94	0 -84	6 () () 0	0	0 -94
0	30	OUTFALL EN	NGINEERING- 2017 SC	CW	S3	02	-4,810	175	-620	-1,600	-1,600	-8,455	2,906	-5,549	0	0	-446	0 -5,10	3 () () 0	0	0 -5,54
0	31	OUTFALL - S	SITE PREP	CW	S4	02	50	450	0	0	0	500	0	500	0	0	40	0 46	0 () () 0	0	0 50
		:	Sub-total				5,060	86,525	96,877	69,907	3,475	261,844	9,910	271,754	0	0	21,869	0 249,88	5 () () 0	0	0 271,75
WAS9	07099	ASHBRIDGE	S BAY WWTP - LIQUID TREA	TMEN																			
0	1	FINE BUBBL	E AERATION - TANK #2	CW	S2	03	510	0	0	0	0	510	0	510	0	0	42	0 46	8 () () 0	0	0 51
0	3	P BLDG HEA	ADWORKS UPGRADE	CW	S2	03	40,035	6,828	0	0	0	46,863	0	46,863	0	0	3,772	0 43,09	1 () () 0	0	0 46,86
0	6	M & T PUMP REPAIRS	ING STATION CRITICAL	CW	S2	03	5,399	0	0	0	0	5,399	0	5,399	0	0	0	0 5,39	9 () () 0	0	0 5,39
0	10	INTEGRATE ENGINEERII	D PUMPING STATION (IPS) - NG	CW	S2	03	6,740	8,000	8,000	8,000	7,500	38,240	12,250	50,490	0	0	0	0 50,49	0 () () 0	0	0 50,49
0	12	WORK ARE	A 1 REHAB	CW	S2	03	3	0	0	0	0	3	0	3	0	0	0	0	3 () () 0	0	0
0	39	INTEGRATE CONSTRUC	D PUMPING STATION (IPS) - TION	CW	S2	03	0	10,000	45,000	45,000	50,000	150,000	175,000	325,000	0	0	0	0 325,00	0 () () 0	0	0 325,00
0	71	INTEGRATE ENG-2017 S	D PUMPING STATION (IPS) - C	CW	S3	03	-1,310	-1,371	-765	-3,290	-1,521	-8,257	7,134	-1,123	0	0	0	0 -1,12	3 () () 0	0	0 -1,12
0	72	P BLDG HEA SC	DWORKS UPGRADE-2017	CW	S3	03	-25,010	10,271	17,074	0	0	2,335	0	2,335	0	0	187	0 2,14	8 () () 0	0	0 2,33
0	73	INTEGRATE CONST-2017	D PUMPING STATION (IPS) - 7 SC	CW	S3	03	250	-6,850	-30,000	-18,642	-3,000	-58,242	112,875	54,633	0	0	0	0 54,63	3 () () 0	0	0 54,63
0	74	FINE BUBBL SC	E AERATION - TANK #2 - 201	7 CW	S3	03	-500	540	0	0	0	40	0	40	0	0	2	0 3	8 () () 0	0	0 4
0	75	WORK ARE	A 1 REHAB- 2017 SC	CW	S3	03	-3	10	0	0	0	7	0	7	0	0	0	0	7 () () 0	0	0
0		M & T PUMP REPAIRS- 20	ING STATION CRITICAL	CW	S3	03	-2,221	3,178	0	0	0	957	0	957	0	0	0	0 95	7 () () 0	0	0 95
0	77	FINE BUBBL	E AERATION - ENGINEERING	G CW	S4	03	50	1,500	3,000	3,000	3,000	10,550	7,650	18,200	0	0	1,468	0 16,73	2 () () 0	0	0 18,20
		:	Sub-total				23,943	32,106	42,309	34,068	55,979	188,405	314,909	503,314	0	0	5,471	0 497,84	3 () () 0	0	0 503,31

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

							Curre	ent and Fu	ture Year	Cash Flov	w Commitn	nents	ĺ		Curi	rent and Fu	ture Year (Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u>	- Pro	ject No. Project Name									Total	Total	Total	Provincial Grants and	Federal r	Development Charges	F	Reserve	Capital from			Debt Recove		Total
Prio	ritySub	Proj No. Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	2017-2021	2022-2026	2017-2026	Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt	\rightarrow	Financing
WAS	907100	ASHBRIDGES BAY WWTP - SOLIDS & C	<u>GAS HA</u>																					
0	3	WASTE ACTIVATED SLUDGE UPGRADI ENGINEERING	∃- CW	S2	03	3,500	3,092	2,000	2,000	1,298	11,890	304	12,194	0	0	981	0	11,213	0	(0 0	0	0	12,194
0	4	DIGESTERS 9-12 REFURBISH	CW	S2	03	10,820	11,876	11,710	710	860	35,976	90	36,066	0	0	2,901	0	33,165	0	() 0	0	0	36,066
0	8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	() 0	0	0	400
0	22	WASTE ACTIVATED SLUDGE UPGRADI CONSTRUCTION	E- CW	S4	03	1,000	20,000	25,000	32,000	30,000	108,000	42,000	150,000	0	0	12,071	0	137,929	0	() 0	0	0	150,000
0	25	PELLETIZER TRUCK LOADING FACILIT UPGRADES	Y CW	S2	03	967	500	1,000	0	0	2,467	0	2,467	0	0	0	0	2,467	0	() 0	0	0	2,467
0	45	BIOSOLIDS PELLETIZER RETROFIT-20 SC	017 CW	S3	03	0	400	400	0	0	800	0	800	0	0	0	0	800	0	() 0	0	0	800
0	46	DIGESTERS 9-12 REFURBISH - 2017 SC	c cw	S3	03	-6,470	-6,603	3,300	8,300	5,621	4,148	0	4,148	0	0	335	0	3,813	0	() 0	0	0	4,148
0	47	WASTE ACTIVATED SLUDGE UPGRADI ENG - 2017 SC	E- CW	S3	03	-1,843	413	0	0	1,000	-430	400	-30	0	0	-3	0	-27	0	() 0	0	0	-30
0	48	PELLETIZER TRUCK LOADING FACILIT UPGRADES-2017 SC	Y CW	S3	03	-480	200	290	0	0	10	0	10	0	0	0	0	10	0	() 0	0	0	10
		Sub-total				7,894	29,878	43,700	43,010	38,779	163,261	42,794	206,055	0	0	16,285	0	189,770	0	() 0	0	0	206,055
WAS	907101	ASHBRIDGES BAY WWTP - O&M UPGR	ADES																					
0	5	BOILER #4 DESIGN	CW	S2	03	47	6	0	0	0	53	0	53	0	0	0	0	53	0	() 0	0	0	53
0	6	MESI UPGRADES	CW	S2	03	3,448	3,074	3,167	0	0	9,689	0	9,689	0	0	0	0	9,689	0	() 0	0	0	9,689
0	7	MISC MECH REHAB	CW	S2	03	8,120	1,900	0	0	0	10,020	0	10,020	0	0	0	0	10,020	0	() 0	0	0	10,020
0	32	MISC MECH REHAB- 2017 SC	CW	S3	03	-3,120	3,196	0	0	0	76	0	76	0	0	0	0	76	0	() 0	0	0	76
0	33	BOILER #4 DESIGN- 2017 SC	CW	S3	03	63	5	6	0	0	74	0	74	0	0	0	0	74	0	() 0	0	0	74
0	34	MESI UPGRADES- 2017 SC	CW	S3	03	-463	0	0	0	0	-463	0	-463	0	0	0	0	-463	0	() 0	0	0	-463
		Sub-total				8,095	8,181	3,173	0	0	19,449	0	19,449	0	0	0	0	19,449	0	() 0	0	0	19,449
WAS	907102	ASHBRIDGES BAY WWTP - ODOUR CC	NTROL																					
0	6	BIOFILTERS UPGRADE & REPLACEME	NT CW	S2	03	10,098	122	0	0	0	10,220	0	10,220	0	0	823	0	9,397	0	() 0	0	0	10,220
0	13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	992	0	0	0	0	992	0	992	0	0	80	0	912	0	() 0	0	0	992
0	38	D BUILDING TREATMENT & BIOFILTER 2017 SC	- CW	S3	03	-98	110	0	0	0	12	0	12	0	0	1	0	11	0	() 0	0	0	12
0	39	BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	CW	S3	03	-3,598	2,815	100	0	0	-683	0	-683	0	0	-56	0	-627	0	(0 0	0	0	-683
		Sub-total				7,394	3,047	100	0	0	10,541	0	10,541	0	0	848	0	9,693	0	() 0	0	0	10,541
WAS	907104	HUMBER WWTP - LIQUID TREATMENT	<u>& HANI</u>																				\neg	

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

						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year Cash Flo	ow Comm	nitments	Financed	Ву		
	oject No. <u>Project Name</u> IbProj 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 Reserves Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
WAS90710	4 HUMBER WWTP - LIQUID TREATMENT &	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	O	0	1,328	0 15,152	0)	0 C	C	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	C	0	18,115	0 206,885	0)	0 C	C	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	O	0	-5,390	0 -61,607	0)	0 C	C	0	-66,997
0 25	SECONDARY TREATMENT UPGRADES - SOUTH - ENG 2017 SC	CW	S3	03	1,069	1,910	1,418	1,555	3,000	8,952	300	9,252	0	0	740	0 8,512	0)	0 0	C	0	9,252
	Sub-total				38,380	38,760	33,250	33,305	24,196	167,891	15,844	183,735	0	0	14,793	0 168,942	0)	0 0) () C	183,735
WAS90710	5 HUMBER WWTP - O&M UPGRADES																					
0 1	GAS COMPRESSOR SYSTEM UPGRADE	s cw	S2	03	3,723	0	0	0	0	3,723	0	3,723	O	0	0	0 3,723	0)	0 C	C	0	3,723
02	LIQUID STREAM UPGRADES	CW	S2	03	316	0	0	0	0	316	0	316	O	0	25	0 291	0)	0 C	C	0	316
0 31	GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	CW	S3	03	219	60	64	0	0	343	0	343	C	0	0	0 343	0)	0 C	C	0	343
0 32	LIQUID STREAM UPGRADES- 2017 SC	CW	S3	03	-316	0	0	0	0	-316	0	-316	C		-25	0 -291	0	-	0 C		0	
	Sub-total				3,942	60	64	0	0	4,066	0	4,066	0	0	0	0 4,066	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	0	0	694	0 7,938	0)	0 C	C	0	8,632
0 13	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017 SC	CW	S3	02	-2,377	6,610	0	0	0	4,233	0	4,233	0	0	341	0 3,892	0)	0 C	C	0	4,233
	Sub-total				6,255	6,610	0	0	0	12,865	0	12,865	0	0	1,035	0 11,830	0)	0 0) () (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	0	0	209	0 2,384	0)	0 C	C	0	2,593
0 18	SPS UPGRADES - GROUP 6	CW	S2	02	621	3,250	6,300	5,300	4,200	19,671	3,200	22,871	0	0	1,842	0 21,029	0)	0 C	C	0	22,871
0 29	SPS UPGRADES-2017 SC	CW	S3	02	-203	4,710	1,000	0	0	5,507	0	5,507	C	0	442	0 5,065	0)	0 C	C	0	5,507
0 30	SUNNYSIDE SPS REHAB- 2017 SC			03	688	0	0	0	0	688	0	688	0		55	0 633			0 C	C	0	
0 31	SPS UPGRADES - GROUP 6- 2017 SC	CW	S3	02	-321	-2,850	-2,906	950	1,156	-3,971	4,338	367	0		27	0 340		-	0 0		0	
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)	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	C	0	3,239	0 37,008	0)	0 C	C	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	C	0	49	0 567	0)	0 C	C	0	616

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

		Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Commi	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	Del 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	с) C	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	C	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) C	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) C	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) C	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) 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	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	c) C	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) 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	C	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) 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) 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
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIC																			
0 78 EQUIPMENT REPLACEMENT CW S2 03	5,580	4,558	3,652	0	0	13,790	0	13,790	C) C	0 0	0	13,790	0	0	0	0	0	13,790
0 117 REHAB OF SOUTH PRIMARY CLARIFIERS CW S2 03	124	0	0	0	0	124	0	124	C) 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) 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	с) C	0 0	0	-124	0	0	0	0	0	-124
Sub-total	3,066	7,967	5,802	4,000	0	20,835	0	20,835	0	C	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	C	111,343	03	3,853,792	0	0	0	0	0	3,965,135

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

У	nanced By	es F	I Estimate	nts and	ommitme	h Flow C	Year Cas	t and Future	Current		s	nd Estimate	nitments a	low Com	ar Cash F	Future Ye	Current and	(
	Debt - Recoverable Debt	2 [1 Other2	Other ?	Capital from Current	Reserve Funds	Reserves	evelopment Charges F	Federal De Subsidy	Provincial Grants and Subsidies	Total 2017-2026	Total 2022-2026	Total 2017-2021	2021	2020	2019	2018	2017	Ward Stat. Cat.	Project No. Project Name v SubProj No. Sub-project Name
																				d By:
0 111,343	0	0	0		0	0	0	111,343	0	0	111,343	11,935	99,408	7,505	19,066	25,583	28,196	19,058		velopment Charges
0 3,853,792	0	0	0		0	8,853,792	03	0	0	о	3,853,792	1,257,439	2,596,353	398,962	506,324	610,403	632,810	447,854		serve Funds (Ind."XR" Ref.)
0 3,965,135	0	0	0		0	3,853,792	03	111,343	0	0	3,965,135	1,269,374	2,695,761	406,467	525,390	635,986	661,006	466,912		Program Financing
0	0 0	2 [0 0	1 Other2 0 0 0 0	Other '	from Current 0 0	Funds 0 3,853,792	Reserves 0	Charges F 111,343 0	Federal De Subsidy 0 0 0	Grants and Subsidies 0	2017-2026 111,343 3,853,792	2022-2026 11,935 1,257,439	2017-2021 99,408 2,596,353	7,505 398,962	19,066 506,324	25,583 610,403	28,196 632,810	19,058 447,854	Ward Stat. Cat.	r SubProj No. Sub-project Name d By: velopment Charges serve Funds (Ind."XR" Ref.)

Status Code Description

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

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

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

S5 S5 New (On-going or Phased Projects)

Category Code Description

01 Health and Safety C01

02 Legislated C02 03

State of Good Repair C03

04 Service Improvement and Enhancement C04

05 Growth Related C05 06

Reserved Category 1 C06 07

Reserved Category 2 C07

Appendix 5

2017 Capital Budget with Financing Detail

(Phase 2) 10-Water Program

DI TORONTO

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 Project Name Same Deal Comparison Posterial Data Posterial Data Posterial Deal Posterial Deal Description Deal Deal Direct Deal Direct Deal Direct Deal	Project/Fi	inancing		2017					Financ	ina				
0 2PLANT EXPANSION - DESIGN & CONSTR ADMIN- 0105/200412212017 7 0 0 8 0 0 8 0 0 8 0 0 0 16 0 16 0 16 0 16 0 10 0 0 16 0 16 0 16 0 17 0 0 16 0 17 0 0 10 0 10 0 10 0 10 0 10 0 10 0 11 0 7 0		0		-	Grants			Reserves	Reserve	Capital From	Other 1	Other 2	Debt	
0 38 PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017 SC 01/01/20171231207 6 0 0 16 0 10 0 16 0 0 16 0 10 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 16 0 0 17 0 <t< td=""><td><u>0</u> WAT</td><td>1000004 HORGAN W.T.P. EXPANSION</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<u>0</u> WAT	1000004 HORGAN W.T.P. EXPANSION												
Project Sub-total: 75 0 0 24 0 27 0 0 24 0 0 0 1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN 0101/2007 1/31/2017 1 0 0 11 0 7 0	0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004 12/31/2017	24	0	0	8	0	8	0	0	8		0 0
9 WATCONDOL 4 WATER STORAGE EXPANSION 0 10UFFERIN RES. EXT. DESIGN AND CONT ADMIN 0101/2007 12/31/2017 18 0 0 11 0 7 0 0 0 0 0 0 2 Milikan PS and Reservoir - Engineering 0101/2007 12/31/2017 -17 0	0	38 PLANT EXPANSION - DESIGN & CONSTR ADMIN- 2017	SC 01/01/2017 12/31/2018	51	0	0	16	0	19	0	0	16		0 0
0 1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN 01/01/2007/12/31/2017 18 0 0 11 0 7 0			Project Sub-total:	75	0	0	24	0	27	0	0	24		0 0
0 1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN 01/01/2007/12/31/2017 18 0 0 11 0 7 0	0 WAT	000014 WATER STORAGE EXPANSION												
0 S3 DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017 SC 0101/2017 1231/2017 -17 0 0 -7 0 0 0 0 9 WAT000013 CLARK RESIDUA MS RETROFITS AND UPGRADES 0101/201312/31/2018 1.08 0 0 0 0 10 0 <t< td=""><td>_</td><td>1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN</td><td>01/01/2007 12/31/2017</td><td>18</td><td>0</td><td>0</td><td>11</td><td>0</td><td>7</td><td>0</td><td>0</td><td>0</td><td></td><td>0 0</td></t<>	_	1 DUFFERIN RES. EXT DESIGN AND CONT. ADMIN	01/01/2007 12/31/2017	18	0	0	11	0	7	0	0	0		0 0
0 53 DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017 SC 0101/2017 1231/2017 1.77 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 WATGODONE CLARK RESIDUE MGMT. FACILITIES 0 24 RESIDUALS RETROFITS AND UPGRADES 0101/2013123/2018 567 0 0 0 567 0	0	53 DUFFERIN RES. EXT. DESIGN AND CONT ADMIN- 2017	7 SC 01/01/2017 12/31/2017	-17	0	0	-10	0	-7	0	0	0		0 0
0 24 RESIDUALS RETROFITS AND UPGRADES 01/01/2013 12/31/2018 1,036 0 0 1,036 0 <td></td> <td></td> <td>Project Sub-total:</td> <td>51</td> <td>0</td> <td>0</td> <td>22</td> <td>0</td> <td>10</td> <td>0</td> <td>0</td> <td>19</td> <td></td> <td>0 0</td>			Project Sub-total:	51	0	0	22	0	10	0	0	19		0 0
0 24 RESIDUALS RETROFITS AND UPGRADES 01/01/2013 12/31/2018 1,036 0 0 1,036 0 <td>0 WAT</td> <td>000018 CLARK RESIDUE MGMT. FACILITIES</td> <td></td>	0 WAT	000018 CLARK RESIDUE MGMT. FACILITIES												
0 29 RESIDUALS RETROFITS AND UPGRADES-2017 SC Project Sub-total: 1-567 (469 0 0 -567 (469 0	_		01/01/201312/31/2018	1,036	0	0	0	0	1,036	0	0	0		0 0
0 WATE REFFICIENCY PROGRAM 0 0 0 300 0 0 300 0	0		01/01/2017 12/31/2019	-567	0	0	0	0	-567	0	0	0		0 0
0 10 ICI INDOOR WATER AUDIT 01/01/2005 12/31/2017 300 0 300 0 <th< td=""><td></td><td></td><td>Project Sub-total:</td><td>469</td><td>0</td><td>0</td><td>0</td><td>0</td><td>469</td><td>0</td><td>0</td><td>0</td><td></td><td>0 0</td></th<>			Project Sub-total:	469	0	0	0	0	469	0	0	0		0 0
0 10 ICI INDOOR WATER AUDIT 01/01/2005 12/31/2017 300 0 300 0 <th< td=""><td>0 WAT</td><td>1000021 WATER EFFICIENCY PROGRAM</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	0 WAT	1000021 WATER EFFICIENCY PROGRAM	-											
0 11 PUBLIC EDUCATION & PROMOTIONS 01/01/200512/31/2017 150 0			01/01/2005 12/31/2017	300	0	0	300	0	0	0	0	0		0 0
0 12 ANCILLARY COSTS 01/01/2005 12/31/2017 70 0	-											-		
O WAT000363 ENGINEERING STUDIES 0 2 IMPROVED TREATMENT STUDIES 01/01/200512/31/2017 296 0 0 0 207 0 0 89 0 0 0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/200712/31/2018 200 0 0 0 200 0<	0		01/01/2005 12/31/2017		0	0	70	0	0	0	0	0		
0 2 IMPROVED TREATMENT STUDIES 01/01/2005 12/31/2017 296 0 0 0 207 0 0 89 0 0 0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/2007 12/31/2018 200 0 0 0 200 0			Project Sub-total:	520	0	0	520	0	0	0	0	0		0 0
0 2 IMPROVED TREATMENT STUDIES 01/01/2005 12/31/2017 296 0 0 0 207 0 0 89 0 0 0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/2007 12/31/2018 200 0 0 0 200 0	0 WAT	1000363 ENGINEERING STUDIES	-											
0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/2007 12/31/2018 200 0 0 200 0			01/01/2005 12/31/2017	296	0	0	0	0	207	0	0	89		0 0
0 31 ENERGY EFFICIENCY IMPLEMENTATION 01/01/2008 12/31/2018 105 0 0 105 0 0 105 0	-													
0 38 CORROSION CONTROL 01/01/2011 12/31/2017 4 0 0 0 4 0 <td>0</td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0				0		0							
0 72 SCRUBBER&TONNER CONNECTION IMPRO - WTP-2017 S/01/01/2017 12/31/2020 -915 0 0 -915 0<	0	38 CORROSION CONTROL	01/01/2011 12/31/2017	4	0	0	0	0	4	0	0	0		0 0
0 73 CONTROLLED SUBSTANCES ID AND ABATEMENT- 2017 S(01/01/2017 12/31/2019) -100 0 0 -100 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 74 ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC 01/01/2017 12/31/2018 25 0 0 0 25 0	0	72 SCRUBBER&TONNER CONNECTION IMPRO - WTP-20	17 SI01/01/2017 12/31/2020	-915	0	0	0	0	-915	0	0	0		0 0
0 75 IMPROVED TREATMENT STUDIES- 2017 SC 01/01/2017 12/31/2018 -136 0 0 0 -95 0 0 -41 0 0 0 75 IMPROVED TREATMENT STUDIES- 2017 SC 01/01/2017 12/31/2018 -136 0 0 0 -95 0 0 -41 0 0 0 WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW 394 0 0 0 0 346 0 0 48 0 0 0 9 TRUNK RADIO - SITE UPGRADE 01/01/2015 12/31/2017 400 0	0	73 CONTROLLED SUBSTANCES ID AND ABATEMENT- 201	17 S(01/01/2017 12/31/2019	-100	0	0	0	0	-100	0	0	0		0 0
Project Sub-total: 394 0 0 0 346 0 0 48 0 0 0 WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW 0	0	74 ENERGY EFFICIENCY IMPLEMENTATION- 2017 SC	01/01/2017 12/31/2018	25	0	0	0	0	25	0	0	0		0 0
0 9 TRUNK RADIO - SITE UPGRADE 01/01/201512/31/2017 400 0 <th< td=""><td>0</td><td>75 IMPROVED TREATMENT STUDIES- 2017 SC</td><td>01/01/2017 12/31/2018</td><td>-136</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-95</td><td>0</td><td>0</td><td>-41</td><td></td><td>0 0</td></th<>	0	75 IMPROVED TREATMENT STUDIES- 2017 SC	01/01/2017 12/31/2018	-136	0	0	0	0	-95	0	0	-41		0 0
0 9 TRUNK RADIO - SITE UPGRADE 01/01/201512/31/2017 400 0 0 0 400 0			Project Sub-total:	394	0	0	0	0	346	0	0	48		0 0
0 12 PCS LEGACY ALARM IMPROVEMENT 01/01/2011 12/31/2017 200 0 0 0 0 200 0 0 0 0 0 0 0 0	<u>0</u> WAT	1906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
	0	9 TRUNK RADIO - SITE UPGRADE	01/01/201512/31/2017	400	0	0	0	0	400	0	0	0		0 0
0 23 RELIABILITY IMPROVEMENT PROGRAM 01/01/2013 12/31/2018 795 0 0 0 0 795 0 0 0 0 0 0 0	0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011 12/31/2017	200	0	0	0	0	200	0	0	0		0 0
	0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/201312/31/2018	795	0	0	0	0	795	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/	Financing		2017					Financ	ing				
Priority	Project Project Name		mpletion Cash Flov Date	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>o</u> wa	T906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
0	41 SCADA UPGRADES FOR WWT	01/01/201212/	31/2022 5,20	6 0	0	0	0	5,206	0	0	0		0 0
0	42 PCS UPGRADES FOR WATER SUPPLY	01/01/201212/	/31/2017 49:	2 0	0	0	0	492	0	0	0		0 0
0	67 SCADA UPGRADES FOR WWT - II	01/01/201212/	/31/2020 2,05	3 0	0	0	0	2,053	0	0	0		0 0
0	85 NETWORK IMPROVEMENTS	01/01/201612/	/31/2018 2,24	6 0	0	0	0	2,246	0	0	0		0 0
0	86 BLANKET CONTRACT MGMT TOOL	01/01/2017 12/	/31/2018 5	0 0	0	0	0	50	0	0	0		0 0
0	87 PCS UPGRADES 2017	01/01/2017 12/	31/2019 21	0 0	0	0	0	210	0	0	0		0 0
0	88 TRUNK RADIO - EQUIPMENT	01/01/2017 12/	31/2018 50	0 0	0	0	0	500	0	0	0		0 0
0	90 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT- 2	201701/01/201712/	/31/2017 1	0 0	0	0	0	10	0	0	0		0 0
0	91 PCS LEGACY ALARM IMPROVEMENT - 2017 SC	01/01/2017 12/	31/2019 16	6 0	0	0	0	166	0	0	0		0 0
0	92 RELIABILITY IMPROVEMENT PROGRAM- 2017 SC	01/01/2017 12/	/31/2020 -58	5 0	0	0	0	-585	0	0	0		0 0
0	93 SCADA UPGRADES FOR WWT- 2017 SC	01/01/2017 12/	/31/2022 -2,65	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 -71	3 0	0	0	0	-718	0	0	0		0 0
0	95 NETWORK IMPROVEMENTS- 2017 SC	01/01/2017 12/	/31/2018 -1,01	6 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 -1:	2 0	0	0	0	-12	0	0	0		0 0
0	97 SCADA SOFTWARE	01/01/2017 12/	31/2021 22	0 0	0	0	0	220	0	0	0		0 0
		Project Sub-to	otal: 7,566	6 0	0	0	0	7,566	0	0	0		0 0
<u>o wa</u>	T906340 METERING & METER READING SYS												
0	2 AUTOMATED METER READING SYSTEM	01/01/200512/	31/2020 8,31	4 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 -2,94	0 0	0	0	0	-2,940	0	0	0		0 0
		Project Sub-to	otal: 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	01/01/200512/	/31/2017 9:	2 0	0	46	0	29	0	0	17		0 0
0	29 JOS - AVENUE WM ENG HI LEVEL TO LAWRENCE- 2017	7 SI01/01/201712/	31/2017 1	0 0	0	5	0	3	0	0	2		0 0
0	30 JOS - AVENUE WM CONS HI LEVELTO LAWRENCE- 201	17 	31/2018 22	0	0	111	0	69	0	0	41		0 0
		Project Sub-to	stal: 323	8 0	0	162	0	101	0	0	60		0 0
0 WA	T906470 ISLAND W.T.P. R&R												
0	8 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/201312/	31/2023 72	3 0	0	0	0	723	0	0	0		0 0
0	11 CHEMICAL & RESIDUALS MANAGEMENT CONST	01/01/201512/	31/2021 2,00	0 0	0	122	0	1,878	0	0	0		0 0
0	30 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-	-20 [.] 01/01/201712/	31/2024 -14	3 0	0	0	0	-143	0	0	0		0 0
0	31 CHEMICAL & RESIDUALS MANAGMENT CONST-2017 SC			0 0	0	547	0	8,453	0	0	0		0 0
		Project Sub-to	tal: 11,580	0 0	0	669	0	10,911	0	0	0		0 0
0 WA	T906481 DISTRICT WATERMAINS - NEW	-											
0	1 NEW WM	01/01/200512/	31/2017 51	5 0	0	515	0	0	0	0	0		0 0
0		01/01/200012/	5.72011	1 3	0	515	0	0	0	0	0		5 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/H	Financing		2017					Financ					
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 wa</u>	T906481 DISTRICT WATERMAINS - NEW												
0	15 NEW WM - 2017 SC	01/01/2017 12/31/201	8 -500	0	0	-500	0	0	0	0	0		0 0
		Project Sub-total:	15	0	0	15	0	0	0	0	0		0 0
0 WA	T906483 PW ENGINEERING												
0	2 CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	01/01/2005 12/31/201	9 3,946	0	0	0	0	3,946	0	0	0		0 0
0	5 WATERMAIN ASSET PLANNING	01/01/2007 12/31/201	9 1,482	0	0	370	0	525	0	0	587		0 0
0	7 EASEMENT ACQUISITION	01/01/2007 12/31/201	7 500	0	0	0	0	500	0	0	0		0 0
0	22 WATER LOSS REDUCTION STRATEGY	01/01/2012 12/31/202	0 621	0	0	0	0	621	0	0	0		0 0
0	37 ASSET MGMT SYSTEM IMPLEMENTATION	01/01/201612/31/202	5 1,090	0	0	273	0	817	0	0	0		0 0
0	52 JOS UPDATE PHASE II	01/01/201512/31/201	8 1,135	0	0	568	0	-1	0	0	568		0 0
0	64 WATERMAIN ASSET PLANNING-2017 SC	01/01/2017 12/31/202	3 -737	0	0	-184	0	-261	0	0	-292		0 0
0	65 ASSET MGMT SYSTEM IMPLEMENTATION-2017 SC	01/01/2017 12/31/202	4 -785	0	0	-197	0	-588	0	0	0		0 0
0	66 CAPITAL PROG & FACILITY ASSET PLANNING- 2017 SC	01/01/2017 12/31/202	0 -2,074	0	0	0	0	-2,074	0	0	0		0 0
0	68 WATER LOSS REDUCTION STRATEGY- 2017 SC	01/01/2017 12/31/202	1 -211	0	0	0	0	-211	0	0	0		0
0	69 JOS UPDATE PHASE II- 2017 SC	01/01/2017 12/31/201	9 -135	0	0	-68	0	1	0	0	-68		0
		Project Sub-total:	4,832	0	0	762	0	3,275	0	0	795		0 (
0 WA	T906749 DOWNTOWN W/M ENHANCEMENT												
0	1 JOS - GERRARD ST WM - ENGINEERING	01/01/2006 12/31/201	7 26	0	0	5	0	1	0	0	20		0 0
0	4 JOS - GERRARD ST WM - CONSTRUCTION	01/01/201012/31/201	7 4,539	0	0	904	0	163	0	0	3,472		0 0
0	45 JOS - GERRARD ST WM - ENGINEERING- 2017 SC	01/01/2017 12/31/201	8 -12	0	0	-2	0	-1	0	0	-9		0 0
0	46 JOS - GERRARD ST WM - CONSTRUCTION - 2017 SC	01/01/2017 12/31/201	7 -4,539	0	0	-904	0	-163	0	0	-3,472		0 0
		Project Sub-total:	14	0	0	3	0	0	0	0	11		0 0
0 WA	T906752 TRANSMISSION R&R	-											
0	49 TRUNK WATERMAIN REHAB	01/01/201312/31/201	8 250	0	0	0	0	250	0	0	0		0 (
0	51 CAST IRON TRUNK REPLC - PHASE 2	01/01/2013 12/31/201		_	0	0	0	9,354	0	0	0		0 (
0	52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014 12/31/201	,	0	0	0	0	2,061	0	0	0		0 (
0	58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION		,	0	0	0	0	5.500	0	0	0		0 (
0	74 CAST IRON TRUNK REPLC - PHASE 2 - 2017 SC	01/01/2017 12/31/202			0	0	0	-724	0	0	0		0 (
0	75 TRUNK WATERMAIN REHAB- 2017 SC	01/01/2017 12/31/202	-		0	0	0	114	0	0	0		0 (
0	76 CAST IRON TRUNK REPLC - PHASE 3 - ENG- 2017 SC	01/01/2017 12/31/202			0	0	0	-1,011	0	0	0		0 (
0	77 CAST IRON TRUNK REPLC - PHASE 3 - CONS- 2017 SC	01/01/2017 12/31/201		0	0	0	0	-2,300	0	0	0		0 (
-		Project Sub-total:	13,244	0	0	0	0	13,244	0	0	0		0 0
0 14/4													
	TPO6900 TRANSMISSION R&R	04/04/2006 42/24/204	0 750	0	0	0	0	750	0	0	0		o ,
0	1 TRANS FACILITIES REHAB	01/01/200612/31/201	8 750	0	0	0	0	750	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/F	inancing		2017					Financ	ing				
Priority I	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 WA</u>	T906900 TRANSMISSION R&R												
0	26 SCARBOROUGH PS - PUMP REPLC	01/01/201312/31/2017	145	0	0	0	0	145	0	0	0		0 0
0	27 EGLINTON PS - PUMP REPLC	01/01/201312/31/2017	228	0	0	0	0	228	0	0	0		0 0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTEC	F 01/01/201412/31/2019	17,353	0	0	0	0	17,353	0	0	0		0 0
0	48 ROSEHILL RESERVOIR	01/01/201512/31/2019	11,479	0	0	0	0	11,479	0	0	0		0 0
0	49 DOWNSVIEW PS & CONNECTOR EA	01/01/201512/31/2017	410	0	0	0	0	410	0	0	0		0 0
0	50 PARKDALE PS REHABILITATION	01/01/201512/31/2019	3,580	0	0	0	0	3,580	0	0	0		0 0
0	51 ROSEHILL PS REHAB	01/01/201512/31/2021	1,786	0	0	0	0	1,786	0	0	0		0 0
0	67 PUMP REPLACEMENTS	01/01/201612/31/2019	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	roject Sub-total:	16,692	0	0	0	0	16,692	0	0	0		0 0
<u>0 WA</u>	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	01/01/201012/31/2018	2,766	0	0	0	0	2,766	0	0	0		0 0
0	29 HARRIS FILTERS REHABILITATION - PILOT	01/01/201512/31/2018	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	01/01/201512/31/2019	1,450	0	0	0	0	1,450	0	0	0		0 0
0	98 HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	01/01/201612/31/2021	200	0	0	0	0	200	0	0	0		0 0
0	99 CONTROL ROOM RELOCATION	01/01/201612/31/2017	593	0	0	0	0	593	0	0	0		0 0
0	100 EMERGENCY STANDBY POWER	01/01/201612/31/2018	895	0	0	0	0	895	0	0	0		0 0
0	102 PHONE SYSTEM UPGRADE	01/01/201612/31/2017	510	0	0	0	0	510	0	0	0		0 0
0	109 REHAB OF SETTLING BASIN ROOF & SLUICE GATES-2017	01/01/2017 12/31/2021	-279	0	0	0	0	-279	0	0	0		0 0
0	110 HARRIS FILTERS REHABILITATION - PILOT-2017 SC	01/01/2017 12/31/2019	-2,970	0	0	0	0	-2,970	0	0	0		0 0
0	111 CONTROL ROOM RELOCATION-2017 SC	01/01/2017 12/31/2018	-518	0	0	0	0	-518	0	0	0		0 0
0	113 PHONE SYSTEM UPGRADE-2017 SC	01/01/2017 12/31/2019	-510	0	0	0	0	-510	0	0	0		0 0
0	115 HVAC REHAB CONSTRUCTION- 2017 SC	01/01/2017 12/31/2019	-1,205	0	0	0	0	-1,205	0	0	0		0 0
0	116 LIQUID CHEMICAL SYSTEM IMPROVEMENTS- 2017 SC	01/01/2017 12/31/2020	-989	0	0	0	0	-989	0	0	0		0 0

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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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Water Program

Project	/Financing		2017		air.			Financ	<u> </u>				
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 - Recoverab
<u>o</u> w	AT906902 HARRIS W.T.P. R&R												
0	118 EMERGENCY STANDBY POWER- 2017 SC	01/01/2017 12/31/2019	-395	0	0	0	0	-395	0	0	0		0
	Р	roject Sub-total:	13,247	0	0	0	0	13,247	0	0	0		0
0 W.	AT906903 FJ HORGAN W.T.P. R&R												
0	5 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2017	516	0	0	0	0	516	0	0	0		0
0	8 RAW WATER PUMP UGRADES	01/01/2016 12/31/2017	469	0	0	0	0	469	0	0	0		0
0	15 REPLACEMENT OF MCCS	01/01/201312/31/2022	2,315	0	0	0	0	2,315	0	0	0		0
0	31 BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/2016 12/31/2021	855	0	0	0	0	855	0	0	0		0
0	32 ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	01/01/2015 12/31/2019	550	0	0	0	0	550	0	0	0		0
0	34 TREATED WATER PUMP UPGRADES	01/01/2015 12/31/2017	1,890	0	0	0	0	1,890	0	0	0		0
0	53 FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017 12/31/2018	240	0	0	0	0	240	0	0	0		0
0	54 REPLACEMENT OF MCCS- 2017 SC	01/01/2017 12/31/2020	-57	0	0	0	0	-57	0	0	0		0
0	55 RAW WATER PUMP UGRADES- 2017 SC	01/01/2017 12/31/2017	52	0	0	0	0	52	0	0	0		0
0	56 ELEC GROUNDING SYS & STANDBY POWER OPTIMI- 201	701/01/2017 12/31/2019	-500	0	0	0	0	-500	0	0	0		0
0	57 TREATED WATER PUMP UPGRADES- 2017 SC	01/01/2017 12/31/2017	-364	0	0	0	0	-364	0	0	0		0
0	58 BUILDING FIRE, HVAC, LIGHTING UPGRADES- 2017 SC	01/01/2017 12/31/2019	-597	0	0	0	0	-597	0	0	0		0
	Р	roject Sub-total:	5,369	0	0	0	0	5,369	0	0	0		0
0 W	AT906906 TRUNK WATERMAIN EXPANSION												
	25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/2009 12/31/2020	784	0	0	375	0	231	0	0	178		0
0	66 JOS - WM Scar PS to St. Clair&Midland (CONST)	01/01/2017 12/31/2020	2,000	0	0	958	0	588	0	0	454		0
0	69 JOS WM from Scar PS to St.Clair&Midland ENG 2017SC	01/01/2017 12/31/2021	-384	0	0	-183	0	-114	0	0	-87		0
	Р	roject Sub-total:	2,400	0	0	1,150	0	705	0	0	545		0
0 W.	AT906914 SWITCH GEAR TRANSFORMER					,							
0	13 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/2012 12/31/2017	3,913	0	0	0	0	3,913	0	0	0		0
0	30 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3) 30 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)- 2017 SC	01/01/2012 12/31/2017		0	0	0	0	-1,663	0	0	0		0
0		roject Sub-total:	2,250	0	0	0	0	2,250	0	0	0		0
		roject Sub-total.	2,250	0	0	0	0	2,250	0	0	0		0
	AT906917 TRANSMISSION OPERATIONS OPTIMIZER												
0	8 TRANSMISSION OPERATIONS OPTIMIZER	01/01/2014 12/31/2018	257	0	0	0	0	119	0	0	138		0
0	12 TRANSMISSION OPERATIONS OPTIMIZER- 2017 SC	01/01/2017 12/31/2018	-7	0	0	0	0	-36	0	0	29		0
	P	roject Sub-total:	250	0	0	0	0	83	0	0	167		0
<u>o</u> <u>w</u>	AT906918 WATER SUSTAINABILITY PROGRAM												
0	1 WATER SUSTAINABILITY PROGRAM	01/01/201312/31/2019	17,341	0	0	1,054	0	11,067	0	0	5,220		0
0	12 STANDBY POWER - ROSEHILL	01/01/201512/31/2021	3,344	0	0	201	0	2,140	0	0	1,003		0
0	19 WATER SUSTAINABILITY STANDBY POWER-ELLESMERE2	101/01/2017 12/31/2020	-12,041	0	0	-732	0	-7,684	0	0	-3,625		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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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

•	Financing		2017	Denvel 1.1	Fact 1	David	ID	Financ		011	0/1-0-1	D .1.1	
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>o w</u>	AT906918 WATER SUSTAINABILITY PROGRAM												
0	20 STANDBY POWER - ROSEHILL- 2017 SC	01/01/2017 12/31/2022	49	0	0	3	0	31	0	0	15		0 0
	I	Project Sub-total:	8,693	0	0	526	0	5,554	0	0	2,613		0 0
0 W	AT906919 RL CLARK W.T.P. R&R												
0	1 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2018	150	0	0	0	0	150	0	0	0		0 (
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/2008 12/31/2020	1,264	0	0	77	0	1,187	0	0	0		0 0
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/201012/31/2019	15,112	0	0	919	0	14,193	0	0	0		0 0
0	44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/201312/31/2018	308	0	0	0	0	308	0	0	0		0 0
0	68 PROCESS EQUIPMENT UPGRADE ENGINEERING-2017 S	C01/01/2017 12/31/2022	-904	0	0	-55	0	-849	0	0	0		0 0
0	69 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2017	\$01/01/2017 12/31/2020	-5,300	0	0	-322	0	-4,978	0	0	0		0 0
0	70 FACILITY & PROCESS UPGRADES- 2017 SC	01/01/2017 12/31/2018	50	0	0	0	0	50	0	0	0		0 0
0	71 EVACUATION AND COMMUNICATION SYSTEMS- 2017 SC	01/01/2017 12/31/2019	66	0	0	0	0	66	0	0	0		0 (
		Project Sub-total:	10,746	0	0	619	0	10,127	0	0	0		0 (
0 W	AT906930 DIST W/M REPLACEMENT												
0	14 2010 WM REPLC	01/01/201012/31/2017	5	0	0	0	0	5	0	0	0		0 (
0	21 2011 WM REPLC	01/01/2011 12/31/2017	4	0	0	0	0	4	0	0	0		0 (
0	29 DIST W/M REPLC - 2012	05/27/2011 12/31/2017	113	0	0	0	0	113	0	0	0		0 0
0	39 2013 WM REPLC - SOGR	01/01/201312/31/2017	1	0	0	0	0	1	0	0	0		0 (
0	51 DIST W/M REPLACEMENT - 2014	01/01/201412/31/2017	402	0	0	0	0	402	0	0	0		0 0
0	52 WATERMAIN UPGRADES - 2014	01/01/201412/31/2017	400	0	0	0	0	400	0	0	0		0 0
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/201412/31/2019	1,045	0	0	0	0	1,045	0	0	0		0 0
0	59 2013 WM REPLC - UPGRADES	01/01/201512/31/2017	5	0	0	2	0	3	0	0	0		0 0
0	63 DIST W/M REPLACEMENT - 2015	01/01/201512/31/2018	4,691	0	0	729	0	3,962	0	0	0		0 (
0	64 WATERMAIN UPGRADES - 2015	01/01/201512/31/2017	338	0	0	105	0	233	0	0	0		0
0	73 DIST W/M REPLACEMENT - 2016	01/01/201612/31/2018	19,562	0	0	3,042	0	16,520	0	0	0		0 0
0	74 WATERMAIN UPGRADES - 2016	01/01/201612/31/2018	3,470	0	0	1,080	0	2,390	0	0	0		0 0
0	82 DIST W/M REPLACEMENT - 2015-2017 SC	01/01/2017 12/31/2018	-3,738	0	0	-581	0	-3,157	0	0	0		0 (
0	83 DIST W/M REPLACEMENT - 2017	01/01/2017 12/31/2019	51,296	0	0	7,977	0	43,319	0	0	0		0 0
0	84 WATERMAIN UPGRADES - 2017	01/01/2017 12/31/2019	10,333	0	0	3,215	0	7,118	0	0	0		0
0	87 2010 WM REPLC- 2017 SC	01/01/2017 12/31/2017	1	0	0	0	0	1	0	0	0		0 0
0	88 DIST W/M REPLC - 2012- 2017 SC	01/01/2017 12/31/2017	90	0	0	0	0	90	0	0	0		0 0
0	89 2013 WM REPLC - SOGR- 2017 SC	01/01/2017 12/31/2017	10	0	0	0	0	10	0	0	0		0 0
0	91 DIST W/M REPLACEMENT - 2014- 2017 SC	01/01/2017 12/31/2018	-401	0	0	0	0	-401	0	0	0		0 0
0	92 WATERMAIN UPGRADES - 2014- 2017 SC	01/01/2017 12/31/2017	-400	0	0	0	0	-400	0	0	0		0 0
0	93 WATERMAIN REPLACEMENT - METROLINX- 2017 SC	01/01/2017 12/31/2021	-712	0	0	0	0	-712	0	0	0		0 0

(Phase 2) 10-Water Program Sub-Project Ca

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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 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
<u>o wa</u>	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
0	50 HYDRANT & VALVE REPAIR-2017 SC	01/01/2017 12/31/2017	127	0	0	0	0	127	0	0	0		0 0
0	51 CUT REPAIR-2017 SC	01/01/2017 12/31/2018	367	0	0	0	0	367	0	0	0		0 0
0	52 WATERMAIN STRUCTURAL LINING-2017 SC	01/01/2017 12/31/2024	15,726	0	0	0	0	4,449	0	0	11,277		0 0
0	54 CATHODIC PROTECTION- 2017 SC	01/01/2017 12/31/2018	-1,198	0	0	0	0	-1,198	0	0	0		0 0
		Project Sub-total:	77,764	0	0	0	0	66,487	0	0	11,277		0 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
0	19 2010 WSR	01/01/2015 12/31/2017	5	0	0	0	0	5	0	0	0		0 0
0	32 WSR CUT REPAIR	01/01/2012 12/31/2017	1,750	0	0	0	0	1,750	0	0	0		0 0
0	39 2012 WATER SERVICE REPLC - SOGR	01/01/2012 12/31/2017	35	0	0	0	0	35	0	0	0		0 0
0	41 2013 WSR	01/01/2013 12/31/2017	11	0	0	0	0	11	0	0	0		0 0
0	52 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014 12/31/2017	11	0	0	0	0	11	0	0	0		0 0
0	59 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015 12/31/2019	2,277	0	0	0	0	2,277	0	0	0		0 0
0	68 2016 WATER SERVICE REPLACEMENT - SOGR	01/01/2016 12/31/2018	12,062	0	0	0	0	12,062	0	0	0		0 0
0	71 WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/2016 12/31/2017	7,449	0	0	0	0	7,449	0	0	0		0 0
0	74 REPLACEMENT OF FROZEN SERVICES	01/01/201612/31/2018	1,000	0	0	0	0	1,000	0	0	0		0 0
0	75 WSR CUT REPAIRS WITH WM SL	01/01/2016 12/31/2017	1,750	0	0	0	0	1,750	0	0	0		0 0
0	78 2011 WSR	01/01/2016 12/31/2017	14	0	0	0	0	14	0	0	0		0 0
0	80 WATER SERVICE REPAIR - LEAD PROGRAM-2017 SC	01/01/2017 12/31/2020	-6,716	0	0	0	0	-6,716	0	0	0		0 0
0	81 WSR CUT REPAIR-2017 SC	01/01/2017 12/31/2018	-250	0	0	0	0	-250	0	0	0		0 0
0	82 WATER SERVICE REPAIR - WM REHAB PROGRAM-2017	7 S(01/01/201712/31/2020	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 S	C 01/01/2017 12/31/2019	-712	0	0	0	0	-712	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/	Financing	[]	2017			T		Financ					
Priority	Project Project Name	Start Date Completior Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>o w</u>	AT906934 DIST WATER SERVICE REPAIR												
0	91 2016 WATER SERVICE REPLACEMENT - SOGR- 2017 SC	01/01/2017 12/31/2018	-8,622	0	0	0	0	-8,622	0	0	0		0 0
	F	Project Sub-total:	39,757	0	0	0	0	39,757	0	0	0		0 0
<u>o w</u>	AT906935 NEW SERVICE CONNECTIONS												
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2008 12/31/2017	5,000	0	0	0	0	5,000	0	0	0		0 0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/2010 12/31/2018	22,000	0	0	0	0	22,000	0	0	0		0 0
0	22 NEW SERVICE CONNECTIONS - SITE SERVICING-2017 S	C01/01/2017 12/31/2018	8,000	0	0	0	0	8,000	0	0	0		0 0
	F	Project Sub-total:	35,000	0	0	0	0	35,000	0	0	0		0 0
<u>o w</u>	AT906951 ENGINEERING												
0	2 CONSULTING FEES	01/01/2006 12/31/202	11,563	0	0	0	0	11,563	0	0	0		0 0
0	63 ROAD RESTORATION	01/01/2006 12/31/2017	6,005	0	0	0	0	6,005	0	0	0		0 0
0	69 LEGAL SERVICES SALARIES	01/01/2017 12/31/2017	205	0	0	0	0	205	0	0	0		0 0
0	70 ECS SALARIES	01/01/2017 12/31/2017	13,458	0	0	0	0	13,458	0	0	0		0 0
0	71 PPFA SALARIES	01/01/2017 12/31/2017	2,292	0	0	0	0	2,292	0	0	0		0 0
0	72 ROAD RESTORATION- 2017 SC	01/01/2017 12/31/2018	-4,005	0	0	0	0	-4,005	0	0	0		0 0
0	73 CONSULTING FEES- 2017 SC	01/01/2017 12/31/2026	5 1,182	0	0	0	0	1,182	0	0	0		0 0
0	74 PMMD SALARIES	01/01/2017 12/31/2017	263	0	0	0	0	263	0	0	0		0 0
	F	Project Sub-total:	30,963	0	0	0	0	30,963	0	0	0		0 0
<u>o w</u>	AT906977 ISLAND W.T.P. R&R												
0	1 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2018	1,482	0	0	0	0	1,482	0	0	0		0 0
0	12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011 12/31/2017	2,320	0	0	0	0	2,320	0	0	0		0 0
0	25 ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009 12/31/2017	7 5	0	0	0	0	5	0	0	0		0 0
0	32 TRAVELLING SCREEN REPLACEMENT	01/01/2015 12/31/2020	1,266	0	0	0	0	1,266	0	0	0		0 0
0	50 AMMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/2014 12/31/2019	2,738	0	0	0	0	2,738	0	0	0		0 0
0	51 CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	01/01/2014 12/31/2017	26	0	0	0	0	26	0	0	0		0 0
0	69 Generators` DR3 Program	01/01/2015 12/31/2018	695	0	0	0	0	695	0	0	0		0 0
0	70 PLANTWIDE HVAC UPGRADES	01/01/2015 12/31/2018	1,151	0	0	0	0	1,151	0	0	0		0 0
0	83 RAW WATER INTAKE CLEANING	01/01/2016 12/31/2017	7 1,090	0	0	0	0	1,090	0	0	0		0 0
0	89 FACILITY & PROCESS UPGRADES-2017 SC	01/01/2017 12/31/2017	-865	0	0	0	0	-865	0	0	0		0 0
0	90 FACILITY UPGRADE - FORMER MARINE YARD-2017 SC	01/01/2017 12/31/2019	-1,370	0	0	0	0	-1,370	0	0	0		0 0
0	91 TRAVELLING SCREEN REPLACEMENT-2017 SC	01/01/2017 12/31/2020	370	0	0	0	0	370	0	0	0		0 0
0	92 Generators` DR3 Program-2017 SC	01/01/2017 12/31/2020	-695	0	0	0	0	-695	0	0	0		0 0
0	93 RAW WATER INTAKE CLEANING-2017 SC	01/01/2017 12/31/2018	-940	0	0	0	0	-940	0	0	0		0 0
0	96 ISLAND ENWAVE/RETROFIT PROJECT- 2017 SC	01/01/2017 12/31/2017	7 4	0	0	0	0	4	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/	Financing		2017					Financ	cing				
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>0 W</u>	AT906977 ISLAND W.T.P. R&R												
0	97 AMMONIA AND FLUORIDE SYSTEM UPGRADES- 2017 SC	01/01/2017 12/31/202	.0 -2,459	0	0	0	0	-2,459	0	0	0		0 0
0	98 CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION- 2017 \$	S(01/01/2017 12/31/20 [.]	8 4	. 0	0	0	0	4	0	0	0		0 0
0	99 PLANTWIDE HVAC UPGRADES- 2017 SC	01/01/2017 12/31/202	.0 -525	0	0	0	0	-525	0	0	0		0 0
	I	Project Sub-total:	4,297	0	0	0	0	4,297	0	0	0		0 0
<u>o w</u>	AT907353 LAWRENCE ALLAN REVITALIZATION PLAN												
0	1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/201312/31/20	9 6,613	0	0	6,613	0	0	0	0	0		0 0
0	2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/201312/31/20	7 4,592	0	0	4,592	0	0	0	0	0		0 0
0	9 LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL 201	701/01/2017 12/31/202	.0 -3,613	0	0	-3,613	0	0	0	0	0		0 0
0	10 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL 20	1 [.] 01/01/2017 12/31/20 [.]	9 -4,092	0	0	-4,092	0	0	0	0	0		0 0
	I	Project Sub-total:	3,500	0	0	3,500	0	0	0	0	0		0 0
<u>0 W</u>	AT907558 REGENT PARK CAPITAL CONTRIBUTION												
0	1 REGENT PARK CAPITAL CONTRIBUTION - PHASE 2	01/01/2011 12/31/202	2 596	0	0	596	0	0	0	0	0		0
0	13 REGENT PARK CAPITAL CONTRIBUTION PHASE 2- 2017	SI01/01/2017 12/31/202	2 -596	0	0	-596	0	0	0	0	0		0
0	14 REGENT PARK CAPITAL CONTRIBUTION - PHASE 3 - 5	01/01/2017 12/31/202	.4 812	0	0	812	0	0	0	0	0		0 0
	1	Project Sub-total:	812	0	0	812	0	0	0	0	0		0 0
<u>o w</u>	AT907946 BUSINESS IT PROJECTS												
0	7 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014 12/31/202	2,409	0	0	0	0	2,409	0	0	0		0 0
0	16 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT-	201/01/2017 12/31/202	3 -1,679	0	0	0	0	-1,679	0	0	0		0 0
		Project Sub-total:	730	0	0	0	0	730	0	0	0		0 0
0 W/	AT908087 TRUNK WATERMAIN												
0	1 TRANSMISSION SYSTEM AUTOMATION	01/01/2015 12/31/20	8 2,456	0	0	0	0	2,456	0	0	0		0 0
0	4 JOS - REVENUE METER REPLACEMENT	01/01/2016 12/31/20	8 3,545	0	0	0	0	1,772	0	0	1,773		0 0
0	6 3RD PARTY RELOCATIONS (METROLINX)	01/01/2015 12/31/202	350	0	0	0	0	350	0	0	0		0 0
0	10 TRANSMISSION SYSTEM AUTOMATION- 2017 SC	01/01/2017 12/31/202	-2,204	. 0	0	0	0	-2,204	0	0	0		0 0
0	11 3RD PARTY RELOCATIONS (METROLINX)- 2017 SC	01/01/2017 12/31/20	7 -300	0	0	0	0	-300	0	0	0		0 0
0	12 JOS - REVENUE METER REPLACEMENT- 2017 SC	01/01/2017 12/31/20	9 -1,045	0	0	0	0	-522	0	0	-523		0 0
	I	Project Sub-total:	2,802	0	0	0	0	1,552	0	0	1,250		0 0
<u>o w</u>	AT908248 WT&S PLANTWIDE												
0	1 UV DISINFECTION - CONCEPTUAL DESIGN	01/01/2016 12/31/20	7 500	0	0	0	0	500	0	0	0		0 0
0	4 ZEBRA MUSSEL CONTROL - ENG	01/01/2017 12/31/202	2 650	0	0	0	0	650	0	0	0		0 0
0	6 STANDBY POWER - PHASE 2 - ENG	01/01/2016 12/31/202	4 690	0	0	41	0	442	0	0	207		0 0
0	8 UV DISINFECTION - CONCEPTUAL DESIGN- 2017 SC	01/01/2017 12/31/20	7 -500	0	0	0	0	-500	0	0	0		0 0
0	9 STANDBY POWER - PHASE 2 - ENG- 2017 SC	01/01/2017 12/31/202	.6 -140	0	0	-8	0	-90	0	0	-42		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Water Program

Sub-Project Summary

Project/Fi	inancing		2017					Financ	ing				
Priority P	Project 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	_	_			Current				
<u>0 WAT</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
0	12 SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	3 01/01/2017 12/31/2021	200	0	0	12	0	128	0	0	60	(0 0
	Р	roject Sub-total:	1,650	0	0	45	0	1,380	0	0	225	(0 0
Program	Total:		392,232	0	0	25,211	0	349,987	0	0	17,034	(0 0

Status Code Description

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

Category Code Description

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

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

DI TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/	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 W/</u>	AS000007 ASHBRIDGES BAY WWTP REHAB													
0	17 STANDBY POWER GENERATION	01/01/2005	12/31/2017	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

CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project	/Financing		2017		1		-	Financ	U U				
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> w	AS000007 ASHBRIDGES BAY WWTP REHAB												
0	286 STANDBY POWER GENERATION- 2017 SC	01/01/2017 12/31/201	8 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
<u>o w</u>	AS000115 HUMBER T.P.												
0	9 CO-GENERATION	01/01/2005 12/31/201	8 335	0	0	0	0	335	0	0	0		0 0
0	62 CO-GENERATION- 2017 SC	01/01/2017 12/31/201	8 -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
<u>o w</u>	AS000259 TRUNK SEWER SYSTEM												
0	15 TRUNK SEWER REHABILITATION - 2012	01/01/2012 12/31/202	0 1,643	0	0	0	0	1,643	0	0	0		0 0
0	27 TRUNK SEWER REHABILITATION - 2014	01/01/2014 12/31/202	0 38,206	0	0	0	0	38,206	0	0	0		0 0
0	34 BLACK CREEK STS EA	01/01/2008 12/31/201	7 1,177	0	0	0	0	1,177	0	0	0		0 0
0	47 TRUNK SEWER REHABILITATION - 2016	01/01/201612/31/202	1 3,590	0	0	0	0	3,590	0	0	0		0 0
0	49 TRUNK SEWER REHABILITATION - 2014-2017 SC	01/01/2017 12/31/202	1 -14,767	0	0	0	0	-14,767	0	0	0		0 0
0	50 TRUNK SEWER REHABILITATION - 2016-2017 SC	01/01/2017 12/31/202	1 260	0	0	0	0	260	0	0	0		0 0
0	52 TRUNK SEWER REHABILITATION - 2012- 2017 SC	01/01/2017 12/31/202	1 430	0	0	0	0	430	0	0	0		0 0
0	53 TRUNK SEWER REHABILITATION - 2018	01/01/2017 12/31/202	6 1,375	0	0	0	0	1,375	0	0	0		0 0
0	54 BLACK CREEK STS EA- 2017 SC	01/01/2017 12/31/201	8 -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
<u>o w</u>	AS000442 BASEMENT FLOODING RELIEF												
0	1 BASEMENT FLOODING PROTECTION SUBSIDY PROGE	RAN01/01/200512/31/201	8 5,500	0	0	0	0	5,500	0	0	0		0 0
0	8 BASEMENT FLOODING STUDIES & EAS	01/01/2006 12/31/202	0 920	0	0	0	0	920	0	0	0		0 0
0	9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/201312/31/202	4 5,050	0	0	0	0	5,050	0	0	0		0 0
0	12 ROAD RESTORATION FOR BSMT FLDG PRJS	01/01/2012 12/31/201	7 515	0	0	0	0	515	0	0	0		0 0
0	14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008 12/31/201	8 1,170	0	0	0	0	1,170	0	0	0		0 0
0	18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011 12/31/201	8 4,108	0	0	0	0	4,108	0	0	0		0 0
0	19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/2014 12/31/202	1 60,405	0	0	0	0	60,405	0	0	0		0 0
0	20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014 12/31/202	0 4,458	0	0	0	0	4,458	0	0	0		0 0
0	29 BASEMENT FLOODING RELIEF - GROUP 1	01/01/2010 12/31/201	8 2,268	0	0	0	0	2,268	0	0	0		0 0
0	76 BASEMENT FLOODING FLOW MONITORING	01/01/2016 12/31/202	1 1,614		0	0	0	1,614	0	0	0		0 0
0	77 BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEEF			0	0	0	0	11,794	0	0	0		0 0
0	81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEMEN				0	0	0	10,755	0	0	0		0 0
0	89 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUC	CTIC01/01/2017 12/31/202	· ·		0	0	0	10,788	0	0	0		0 0
0	102 BASEMENT FLOODING DESIGN - GROUP 1-2017 SC	01/01/2017 12/31/201			0	0	0	-569	0	0	0		0 0
0	103 BASEMENT FLOODING RELIEF - TUNNEL PROJECT-20	17 \$ 01/01/2017 12/31/202	6 -4,500	0	0	0	0	-4,500	0	0	0		0 0

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CITY OF TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/	Financing	. <u></u> ,	2017]	1	T		Financ	- J	•	-		_
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>o w</u>	AS000442 BASEMENT FLOODING RELIEF												
0	104 BASEMENT FLOODING RELIEF - GROUP 2-2017 SC	01/01/2017 12/31/202	-42,348	0	0	0	0	-42,348	0	0	0		0 0
0	105 BASEMENT FLOODING DESIGN - GROUP 3-2017 SC	01/01/2017 12/31/2020	-2,030	0	0	0	0	-2,030	0	0	0		0 0
0	106 BASEMENT FLOODING DESIGN - GROUP 4 ENG-2017 SC	01/01/2017 12/31/2028	5,378	0	0	0	0	5,378	0	0	0		0 0
0	107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUC	FIC 01/01/2017 12/31/202	8,486	0	0	0	0	8,486	0	0	0		0 0
0	108 LIDAR PURCHASE	01/01/2017 12/31/2017	1,000	0	0	0	0	1,000	0	0	0		0 0
0	109 REAL ESTATE - IDC	01/01/2017 12/31/2018	63	0	0	0	0	63	0	0	0		0 0
0	111 BASEMENT FLOODING STUDIES & EAS- 2017 SC	01/01/2017 12/31/202	215	0	0	0	0	215	0	0	0		0 0
0	112 BASEMENT FLOODING DESIGN - GROUP 2- 2017 SC	01/01/2017 12/31/2020	-2,810	0	0	0	0	-2,810	0	0	0		0 0
0	113 BASEMENT FLOODING RELIEF - GROUP 1- 2017 SC	01/01/2017 12/31/2019	-2,207	0	0	0	0	-2,207	0	0	0		0 0
0	114 ROAD RESTORATION FOR BSMT FLDG PRJS- 2017 SC	01/01/2017 12/31/2017	-515	0	0	0	0	-515	0	0	0		0 0
0	115 BASEMENT FLOODING STUDIES&EA`S-CW IMPLEMENT	2(01/01/2017 12/31/2023	-6,946	0	0	0	0	-6,946	0	0	0		0 0
0	116 BASEMENT FLOODING FLOW MONITORING- 2017 SC	01/01/2017 12/31/202	-715	0	0	0	0	-715	0	0	0		0 0
		Project Sub-total:	71,847	0	0	0	0	71,847	0	0	0		0 0
<u>0 W</u>	AS000521 HIGHLAND CREEK WWTP - BUILDING SERV & SITE	DEV											
0	3 HCTP BLDG REHAB & IMPROVEMENTS	01/01/2012 12/31/2019	1,326	0	0	0	0	1,326	0	0	0		0 0
0	9 HCTP BLDG REHAB & IMPROVEMENTS-2017 SC	01/01/2017 12/31/2019	1,674	0	0	0	0	1,674	0	0	0		0 0
		Project Sub-total:	3,000	0	0	0	0	3,000	0	0	0		0 0
<u>o w</u>	AS906322 W&WW LABORATORIES												
0	9 LAB EQUIPMENT	01/01/200812/31/2018	188	0	0	0	0	188	0	0	0		0 0
0	31 LAB EQUIPMENT- 2017 SC	01/01/2017 12/31/202		0	0	0	0	57	0	0	0		0 0
•		Project Sub-total:	245	0	0	0	0	245	0	0	0		0 0
0 W	AS906328 SWM END OF PIPE FACILITIES		L										
0	11 Bonar Creek SWMF Construction	01/01/2014 12/31/2020	3,000	0	0	241	0	2,759	0	0	0		0 0
0	12 EARL BALES PARK SWM FACILITY - PHASE 2	01/01/2012 12/31/2017			0	119	0	1,356	0	0	0		0 0
0	63 Bonar Creek SWMF Construction-2017 SC	01/01/2017 12/31/2022	, -	0	0	-221	0	-2,529	0	0	0		0 0
0	64 HUMBER BAY POND (ETOBICOKE)	01/01/2017 12/31/2019	,	0	0	8	0	92	0	0	0		0 0
0	65 NORTH TORONTO CSO CONSTR- 2017 SC	01/01/2017 12/31/2017		0	0	4	0	43	0	0	0		0 0
0	66 EARL BALES PARK SWM FACILITY - PHASE 2- 2017 SC	01/01/2017 12/31/2019		0	0	-44	0	-499	0	0	0		0 0
0	67 YR03 D1 END OF PIPE- 2017 SC	01/01/2017 12/31/2018		0	0	0	0	1	0	0			0 0
Ū		Project Sub-total:	1,330	0	0	107	0	1,223	0	0			0 0
0 W	AS906331 SWM SOURCE CONTROL PROG	,	,		-			, -			-		
0	9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005 12/31/2018	3 150	0	0	0	0	150	0	0	0		0 0
U				0	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

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/F	Financing		2017					Financ	ing				
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 - Recoverab
<u>0</u> WA	S906380 HIGHLAND CREEK WWTP - ODOUR CONTROL												
0	1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/200812/31/2021	524	0	0	42	0	482	0	0	0		0
0	2 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/201312/31/2019	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 12/31/2021	476	0	0	38	0	438	0	0	0		0
0	21 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR- 2017	3 3 3 3 3 3 4 3 4 4 5 4 5 5 1 1 1 1 1 1 1 1 1 1	-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	01/01/200512/31/2017	30	0	0	2	0	28	0	0	0		0
0	48 PCS-PLANT SRVS- 2017 SC	01/01/2017 12/31/2018	10	0	0	1	0	9	0	0	0		0
		Project Sub-total:	40	0	0	3	0	37	0	0	0		0
<u>0 WA</u>	S906487 HIGHLAND CREEK T.P IV YR2004	-											
0	22 PCS PLANT SERVICES	01/01/2017 12/31/2017	1	0	0	0	0	1	0	0	0		0
-		Project Sub-total:	1	0	0	0	0	1	0		0		0
0 WA	S906488 HUMBER T.P II YR2004	· · , · · · · · · · · · · · · · · · · · · ·		-	-	-	-			-	-		
0	2 PCS PLANT SERVICES	01/01/2005 12/31/2017	2	0	0	0	0	2	0	0	0		0
0	24 PCS PLANT SERVICES- 2017 SC	01/01/2017 12/31/2018	-1	0	0	0	0	-1	0		0		0
0		Project Sub-total:	- 1	0	0	0	0	1	0		0		0
0 14/4								•					<u> </u>
	S906492 WET WEATHER FLOW MP	04/04/000540/04/0040	050	0	0	50	0	500	0	0	0		0
0		01/01/2005 12/31/2019	650 550	0	0	52	0	598	0	0	0		0
0	2 PUBLIC EDUCATION 14 WWFMP IMPLEMENTATION - DESIGN	01/01/2005 12/31/2017	550 1,570	0	0	44 127	0	506 1.443	0	0	0		0
0	58 SWM CONVEYANCE 2015	01/01/2008 12/31/2018 01/01/2015 12/31/2017	685	0	0	55	0	630	0	•	0		0
0	59 STORM WATER POND ASSESSMENT & CLEANING	01/01/2015 12/31/2017	3,975	0	0	0	0	3,975	0	0	0		0
0	60 ASHBRIDGES BAY LANDFORMS	01/01/2015 12/31/2023	5,045	0	0	0	0	5,045	0	0	0		0
0	76 SWM CONVEYANCE 2016	01/01/2016 12/31/2018	2,303	0	0	185	0	2,118	0	0	0		0
0	82 STORM WATER POND ASSESSMENT & CLEANING-2017		-3,550	0	0	0	0	-3,550	0	0	0		0
0	83 ASHBRIDGES BAY LANDFORMS-2017 SC	01/01/2017 12/31/2023	-4,545	0	0	0	0	-4,545	0	0	0		0
0	84 SWM CONVEYANCE 2017	01/01/2017 12/31/2019	3,460	0	0	279	0	3,181	0	0	0		0
0	85 HUMBER DEFLECTOR LANDFORM FEASIBILITY STUDY	01/01/2017 12/31/2017	200	0	0	16	0	184	0	0	0		0
0	86 GREEN STREETS	01/01/2017 12/31/2020	333	0	0	27	0	306	0	0	0		0
0	92 WWFMP IMPLEMENTATION - DESIGN - 2017 SC	01/01/2017 12/31/2020	-872	0	0	-71	0	-801	0	0	0		0
0	93 SWM INA/EA- 2017 SC	01/01/2017 12/31/2019	-282	0	0	-22	0	-260	0	0	0		0
0	94 PUBLIC EDUCATION- 2017 SC	01/01/2017 12/31/2018	60	0	0	5	0	55	0	0	0		0
0	95 SWM CONVEYANCE 2015- 2017 SC	01/01/2017 12/31/2018	-434	0	0	-35	0	-399	0	0	0		0

(Phase 2) 11-Wastewater Program

DI TORONTO

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Priority Project Developmt Reserves Reserves Capital Other 1 Other 2 Debt	Project/Fina	ancing		2017	1				Financ	ing				
0 96 SWM CONVEYANCE 2016-2017 SC 01/01/2017 12/31/2012 2,303 0 0 -185 0 -2,118 0 <th>-</th> <th>-</th> <th></th> <th>on Cash Flow</th> <th>Grants</th> <th></th> <th></th> <th>Reserves</th> <th></th> <th>From</th> <th>Other 1</th> <th>Other 2</th> <th>Debt</th> <th>Debt - Recoverable</th>	-	-		on Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt	Debt - Recoverable
0 97 WATERFRONT MODELLING STUDIES 01101/201712/31/2022 2 0 0 2 0 0 2 0 <t< td=""><td><u>0</u> <u>WAS9</u></td><td>06492 WET WEATHER FLOW MP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<u>0</u> <u>WAS9</u>	06492 WET WEATHER FLOW MP												
Project Sub-total: 0 0 477 0 6.870 0 0 0 0 0 9 WAS306495 SEWER ASSET PLANNING 0 0 0 0 101/2007 1231/2020 5,016 0 0 0 6,870 0 0 6,870 0 0 0 0 8,878 0 0 0 0 8,878 0 0 0 0 8,878 0 0 0 0 8,878 0 0 0 0 8,878 0 <td>0</td> <td>96 SWM CONVEYANCE 2016- 2017 SC</td> <td>01/01/2017 12/31/20</td> <td>18 -2,303</td> <td>0</td> <td>0</td> <td>-185</td> <td>0</td> <td>-2,118</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0 0</td>	0	96 SWM CONVEYANCE 2016- 2017 SC	01/01/2017 12/31/20	18 -2,303	0	0	-185	0	-2,118	0	0	0		0 0
9 WAS906495 SEWER ASSET PLANNING 0101/20071/23/2020 5,016 0 403 0 4,613 0 0 0 0 0 7 SEWER ASSET PLANNING 0101/20071/23/2020 5,016 0 0 0 0 8,978 0 0 0 0 225 0 0 0 0 0 225 0 0 0 0 225 0 0 0 0 225 0 0 0 0 0 225 0 0 0 0 0 225 0	0	97 WATERFRONT MODELLING STUDIES	01/01/2017 12/31/20	22 25	s <u> </u>	0	2	0	23	0	0	0		0 0
0 SEWER ASSET PLANNING 01/01/2007 12/31/2022 5,016 0 4,013 0 4,613 0 0 0 0 7 SEWER ASSET PLANNING SYDECTION 01/01/201012/31/2021 8,875 0 0 0 8,878 0 0 0 8,878 0 0 0 225 0 0 0 0 225 0 0 0 0 0 225 0 <td></td> <td></td> <td>Project Sub-total:</td> <td>6,870</td> <td>0</td> <td>0</td> <td>479</td> <td>0</td> <td>6,391</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0 0</td>			Project Sub-total:	6,870	0	0	479	0	6,391	0	0	0		0 0
0 7 SEWER SYSTEM INSPECTION 0101/2010 1231/2027 8,978 0 0 8,978 0 0 0 8,978 0 0 0 0 21 PPD - INFRASTRUCTURE PLANNING STUDIES 0101/2011 1231/2017 324 0 0 0 225 0 0 0 225 0 0 225 0 0 0 225 0 0 0 230 0	<u>0 WAS9</u>	06495 SEWER ASSET PLANNING												
0 21 PPD - INFRASTRUCTURE PLANNING STUDIES 01/01/2017 1/231/2017 228 0 0 29 0 320 0 0 0 0 31 SEWER ASSET PLANNING-2017 SC 01/01/2017 1/231/2018 233 0 0 29 0 320 0 0 0 0 0 33 SEWER SYSTEM INSPECTION-2017 SC 01/01/2017 1/231/2018 75 0 0 0 293 0	0	5 SEWER ASSET PLANNING	01/01/2007 12/31/20	20 5,016	0	0	403	0	4,613	0	0	0		0 0
0 31 SEWER ASSET PLANNING-2017 SC 010/1/2017 1/231/2017 24 0 0 29 0 320 0 0 0 0 33 SPUE ASSET PLANNING-2017 SC 010/1/2017 1/231/2017 293 0 0 0 293 0 0 0 293 0 0 0 293 0 <t< td=""><td>0</td><td>7 SEWER SYSTEM INSPECTION</td><td>01/01/201012/31/20</td><td>21 8,978</td><td>0</td><td>0</td><td>0</td><td>0</td><td>8,978</td><td>0</td><td>0</td><td>0</td><td></td><td>0 0</td></t<>	0	7 SEWER SYSTEM INSPECTION	01/01/201012/31/20	21 8,978	0	0	0	0	8,978	0	0	0		0 0
0 32 SEWER SYSTEM INSPECTION-2017 SC 01/01/2017 1/23/1/2017 23 0 0 0 293 0 0 0 0 293 0	0	21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014 12/31/20	17 225	0	0	0	0	225	0	0	0		0 0
0 33 PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC 0 10/1/2017 12/31/2017 7.75 0 0 0 0 0 34 CORP IT - IDC 0 10/1/2017 12/31/2017 147 0 0 0 0 0 14.501 0 0 0 0 0 MASS06500 NEW SEWER CONSTRUCTION 1 1 0 0 14.501 0	0	31 SEWER ASSET PLANNING-2017 SC	01/01/2017 12/31/20	19 349	0	0	29	0	320	0	0	0		0 0
0 34 CORP IT - IDC 01/01/2017 1/23/12/07 147 0 0 147 0	0	32 SEWER SYSTEM INSPECTION-2017 SC	01/01/2017 12/31/20	21 293	0	0	0	0	293	0	0	0		0 0
Project Sub-total: 14,933 0 0 432 0 14,501 0 0 0 0 WAS906500 NEW SEWER 01/01/2008 12/31/2017 506 0 0 315 0 191 0 0 0 0 0 25 DOWNSVIEW LANDS EXTERNAL UPGRADES 01/01/2015 12/31/2018 1,495 0 0 1,495 0	0	33 PPD - INFRASTRUCTURE PLANNING STUDIES- 2017 SC	01/01/2017 12/31/20	18 -75	0	0	0	0	-75	0	0	0		0 0
0 WAS906500 NEW SEWER CONSTRUCTION 0 50 0 315 0 191 0 0 0 0 5NEW SEWERS 01/01/2008 12/31/2017 506 0 0 315 0 191 0	0	34 CORP IT - IDC	01/01/2017 12/31/20	17 147	· 0	0	0	0	147	0	0	0		0 0
0 5 NEW SEWERS 01/01/2008 12/31/2017 506 0 0 315 0 191 0 0 0 0 0 25 DOWNSVIEW LANDS EXTERNAL UPGRADES 01/01/2015 12/31/2019 1.495 0 0 1.495 0 0 1.495 0			Project Sub-total:	14,933	0	0	432	0	14,501	0	0	0		0 0
0 25 DOWNSVIEW LANDS EXTERNAL UPGRADES 01/01/2015 12/31/2019 1,495 0	0 WAS9	06500 NEW SEWER CONSTRUCTION												
0 25 DOWNSVIEW LANDS EXTERNAL UPGRADES 01/01/2015 12/31/2019 1,495 0	0	5 NEW SEWERS	01/01/200812/31/20	17 506	0	0	315	0	191	0	0	0		0 0
0 33 NEW SEWERS- 2017 SC 01/01/2017 1/2/31/2018 -491 0 0 -306 0 -185 0	0		01/01/2015 12/31/20	19 1,495	0	0	1,495	0	0	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	31 WATERFRONT SANITARY MASTER SERVICING PLAN-20	01701/01/2017 12/31/20	25 500	0	0	250	0	250	0	0	0		0 0
Project Sub-total: 1,965 0 0 1,709 0 256 0 0 0 0 Q WAS906501 YARD & BUILDING RENOVATION 01/01/2016 12/31/2018 2 0	0	33 NEW SEWERS- 2017 SC	01/01/2017 12/31/20	18 -491	0	0	-306	0	-185	0	0	0		0 0
Q WAS906501 YARD & BUILDING RENOVATION 01/01/2016 12/31/2018 2 0 0 0 2 0 0 0 2 0 0 0 0 0 2 0 0 0 2 0	0	35 DOWNSVIEW LANDS EXTERNAL UPGRADES- 2017 SC	01/01/2017 12/31/20	19 -45	; O	0	-45	0	0	0	0	0		0 0
0 11 YARDS & BUILDING RENOVATION 01/01/2016 12/31/2018 2 0 0 0 2 0			Project Sub-total:	1,965	0	0	1,709	0	256	0	0	0		0 0
Project Sub-total: 2 0 0 0 2 0	0 WAS9	06501 YARD & BUILDING RENOVATION												
0 WAS906735 DIST SEWER REHAB OPS YR2005 0 10 GROUP 1 SEWAGE PUMPING STATION UPGRADES 01/01/2005 12/31/2017 6 0 0 0 6 0	0	11 YARDS & BUILDING RENOVATION	01/01/201612/31/20	18 2	0	0	0	0	2	0	0	0		0 0
0 WAS906735 DIST SEWER REHAB OPS YR2005 0 10 GROUP 1 SEWAGE PUMPING STATION UPGRADES 01/01/2005 12/31/2017 6 0 0 0 6 0			Project Sub-total:	2	0	0	0	0	2	0	0	0		0 0
0 10 GROUP 1 SEWAGE PUMPING STATION UPGRADES 01/01/2005 12/31/2017 6 0 0 0 6 0 <td< td=""><td>0 WAS9</td><td>06735 DIST SEWER REHAB OPS YR2005</td><td>-</td><td></td><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	0 WAS9	06735 DIST SEWER REHAB OPS YR2005	-											
0 18 GROUP 1 SEWAGE PUMPING STATION UPGRADES - 2017 01/01/2017 12/31/2019 -3 0 0 0 -3 0 0 0 0 Project Sub-total: 3 0			01/01/200512/31/20	17 6	0	0	0	0	6	0	0	0		0 0
Project Sub-total: 3 0 0 3 0	-					-	-							
0 WAS906741 HIGHLAND CREEK TP YR2005 0 1 WAS THICKENING AND DEWATERING - ENG 01/01/2005 12/31/2018 40 0 0 3 0 37 0 0 0 0 0 19 WAS THICKENING AND DEWATERING - ENG- 2017 SC 01/01/2017 12/31/2018 -27 0 0 -25 0 0 0 0 0	Ū			3	0	-	0	-		-	-	-		
0 1 WAS THICKENING AND DEWATERING - ENG 01/01/2005 12/31/2018 40 0 0 3 0 37 0 0 0 0 0 19 WAS THICKENING AND DEWATERING - ENG- 2017 SC 01/01/2017 12/31/2018 -27 0 0 -25 0 0 0 0	0 WAS9													
0 19 WAS THICKENING AND DEWATERING - ENG- 2017 SC 01/01/2017 12/31/2018 -27 0 0 -2 0 -25 0 0 0 0			01/01/200512/31/20	18 40	0	0	3	0	37	0	0	0		0 0
	-			-		-								
	0					-		-		-	-	-		
0 WAS906742 HUMBER TP YR2005	0 WAGO	06742 HUMBER TP YR2005										-		
0 8 ODOUR CONTROL ENGINEERING 01/01/2008 12/31/2019 1,275 0 0 0 1,275 0			01/01/2008 12/31/20	19 1,275	0	0	0	0	1,275	0	0	0		0 0

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(Phase 2) 11-Wastewater Program

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project/F	inancing			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 WA</u>	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
<u>0 WA</u>	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			0	0	-280	0	-3,209	0	0			0 0
-		Project Sub	-total:	1,220	0	0	99	0	1,121	0	0	0		0 0
0 WA	S906926 OPERATIONAL SUPPORT	-												
0	6 FACILITY RENOVATION	01/01/2006	12/31/2018	1,450	0	0	0	0	1,450	0	0	0		0 0
0	7 RENOVATION - MERTON STREET	01/01/2012		,	0	0	0	0	5	0	0	0		0 0
0	23 EMP MONITORING NEEDS	01/01/2010			0	0	0	0	95	0	0	0		0 0
0	40 PCS UPGRADES FOR WASTEWATER TREATMENT	01/01/2013	12/31/2021	4,119	0	0	0	0	4,119	0	0	0		0 0
0	98 DESIGNATED SUBSTANCE ABATEMENT	01/01/2007	12/31/2018	100	0	0	0	0	100	0	0	0		0 0
0	100 DIVISIONAL SECURITY	01/01/2016	12/31/2017	1,025	0	0	0	0	1,025	0	0	0		0 0
0	105 BACKUP POWER - FINCH AND DEE	01/01/2017	12/31/2017	500	0	0	0	0	500	0	0	0		0 0
0	107 OFFICE MODERNIZATION - MH18	01/01/2017	12/31/2018	625	0	0	0	0	625	0	0	0		0 0
0	109 FACILITY RENOVATION- 2017 SC	01/01/2017	12/31/2019	-700	0	0	0	0	-700	0	0	0		0 0
0	111 DESIGNATED SUBSTANCE ABATEMENT- 2017 SC	01/01/2017	12/31/2018	-100	0	0	0	0	-100	0	0	0		0 0
0	112 EMP MONITORING NEEDS- 2017 SC	01/01/2017	12/31/2018	-45	0	0	0	0	-45	0	0	0		0 0
0	113 PCS UPGRADES FOR WASTEWATER TREATMENT- 20	17 S01/01/2017	12/31/2021	91	0	0	0	0	91	0	0	0		0 0
0	114 DISTRICT OPERATIONS FACILITY UPGRADES	01/01/2017	12/31/2021	250	0	0	0	0	250	0	0	0		0 0
		Project Sub	-total:	7,415	0	0	0	0	7,415	0	0	0		0 0
<u>0 WA</u>	S906958 SEWER SYSTEM REHABILITATION													
0	2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGR/	ADE\$01/01/2005	12/31/2017	10	0	0	1	0	9	0	0	0		0 0
0	5 CCTV INSPECTION	01/01/2007	12/31/2017	59	0	0	0	0	59	0	0	0		0 0
0	8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008	12/31/2017	561	0	0	45	0	516	0	0	0		0 0
0	9 SEWER REHABILITATION	01/01/2008	12/31/2018	9,700	0	0	0	0	9,700	0	0	0		0 0
0	23 SEWAGE PUMPING STATION STANDBY POWER	01/01/2009	12/31/2017	163	0	0	13	0	150	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/F	Financing	ON UPGRADES 01/01/2013 12/31/2021 7,708 0 0 621 0 7,087 0 0 0 01/01/2016 12/31/2018 34,274 0 0 2,341 0 31,933 0 0 0 01/01/2017 12/31/2018 1,141 0 0 0 1,141 0<											
Priority	Project Project Name			Grants	Federal Subsidy		Reserves		From	Other 1	Other 2	Debt	Debt - Recoverabl
<u>0 WA</u>	S906958 SEWER SYSTEM REHABILITATION												
0	24 GROUP 5 SEWAGE PUMPING STATION UPGRADES	01/01/201312/31	2021 7,70	в 0	0	621	0	7,087	0	0	0		0 0
0	79 SEWER REHABILITATION - CWD	01/01/201612/31	2018 34,27	4 0	0	2,341	0	31,933	0	0	0		0
0	81 CCTV INSPECTION-2017 SC	01/01/2017 12/31	2018 1,14	1 0	0	0	0	1,141	0	0	0		0
0	82 SEWER REHABILITATION-2017 SC	01/01/2017 12/31	2020 14,45	3 0	0	0	0	14,453	0	0	0		0
0	83 SEWER REHABILITATION - CWD-2017 SC	01/01/2017 12/31	2023 4,25	в 0	0	-2,341	0	6,599	0	0	0		0
0	86 SEWAGE PUMPING STATION STANDBY POWER - 2017 S	SC 01/01/2017 12/31	2018 -14	4 0	0	-11	0	-133	0	0	0		0
0	88 SPS SCADA UPGRADES - ENGINEERING- 2017 SC	01/01/2017 12/31	2018 -17	3 0	0	-14	0	-159	0	0	0		0
0	89 GROUP 5 SEWAGE PUMPING STATION UPGRADES- 207	17 \$01/01/2017 12/31	2021 -4,30	в 0	0	-347	0	-3,961	0	0	0		0
		Project Sub-tota	67,70	2 0	0	308	0	67,394	0	0	0		0 0
<u>0 WA</u>	S906960 STREAM RESTORATION & EROSION CONTROL												
0	1 HIGHLAND CREEK STREAM RESTORATION	01/01/200612/31	2017 4	2 0	0	3	0	39	0	0	0		0
0	7 STREAM RESTORATION	01/01/200812/31	2021 7,87	1 0	0	633	0	7,238	0	0	0		0
0	39 STREAM RESTORATION - PHASE 2	01/01/201612/31	2025 2,85	0 0	0	229	0	2,621	0	0	0		0
0	41 WATERCOURSE - ENGINEERING	01/01/2017 12/31	2026 10	0 0	0	8	0	92	0	0	0		0
0	43 PARTNER PROJECTS	01/01/2017 12/31	2021 1,00	0 0	0	81	0	919	0	0	0		0
0	48 STREAM RESTORATION - 2017 SC	01/01/2017 12/31	2021 -5,06	5 0	0	-407	0	-4,658	0	0	0		0
0	49 STREAM RESTORATION - PHASE 2 - 2017 SC	01/01/2017 12/31	2025 -2,85	0 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 91	0 0	0	73	0	837	0	0	0		0
0	52 CRITICAL REPAIRS	01/01/2017 12/31	2024 82	5 0	0	66	0	759	0	0	0		0
0	53 EMERGENCY EROSION CONTROL	01/01/2017 12/31	2022 30	0 0	0	24	0	276	0	0	0		0
		Project Sub-tota	5,98	6 0	0	482	0	5,504	0	0	0		0 0
<u>0 WA</u>	S906966 SWM TRCA FUNDING												
0	23 TORONTO WATER TRANSFER TO TRCA CAPITAL-2017	SC 01/01/2017 12/31	2017 4,27	5 0	0	344	0	3,931	0	0	0		0 0
		Project Sub-tota	4,27	5 0	0	344	0	3,931	0	0	0		0 0
<u>0 WA</u>	S906968 ENGINEERING												
0	2 CONSULTING FEES	01/01/200612/31	2021 13,97	в 0	0	0	0	13,978	0	0	0		0
0	59 ROAD RESTORATION	01/01/200612/31	2017 1,83	в 0	0	0	0	1,838	0	0	0		0
0	64 CONSULTING FEES	01/01/2017 12/31	2026 -2,10	0 0	0	0	0	-2,100	0	0	0		0
0	65 ECS SALARIES	01/01/2017 12/31	2017 13,93	6 0	0	0	0	13,936	0	0	0		0
0	66 ROAD RESTORATION- 2017 SC	01/01/2017 12/31	2018 -1,03	в 0	0	0	0	-1,038	0	0	0		0
		Project Sub-tota	26,61	4 0	0	0	0	26,614	0	0	0		0
0 WA	S906973 SEWER REPLACEMENT PROGRAM	-											

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project/	Financing		2017		- M			Financ	<u> </u>				
Priority	Project Project Name	Start Date Complet 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>o</u> wa	S906973 SEWER REPLACEMENT PROGRAM												
0	24 FORCEMAIN REPLACEMENT	01/01/2012 12/31/20	17 10	0	0	0	0	10	0	0	0		0 0
0	25 2012 SEWER REPLC	01/01/2012 12/31/20	17 415	0	0	0	0	415	0	0	0		0 0
0	35 2013 SEWER REPLC	01/01/201312/31/20	17 1	0	0	0	0	1	0	0	0		0 0
0	36 SEWER REPLC - 2014 PROGRAM	01/01/2014 12/31/20	17 631	0	0	2	0	629	0	0	0		0 0
0	46 EBF REPORT	01/01/201312/31/20	17 41	0	0	27	0	14	0	0	0		0 0
0	52 SEWER REPLACEMENT - METROLINX	01/01/2014 12/31/20	19 1,951	0	0	0	0	1,951	0	0	0		0 0
0	55 SEWER REPLACEMENT - LESLIE ST 2017 SC	01/01/2016 12/31/20	17 147	0	0	12	0	135	0	0	0		0 0
0	62 SEWER REPLC - 2015 PROGRAM	01/01/2015 12/31/20	18 1,511	0	0	122	0	1,389	0	0	0		0 0
0	71 SEWER REPLC - 2016 PROGRAM	01/01/2016 12/31/20	18 10,222	0	0	823	0	9,399	0	0	0		0 0
0	75 FORCEMAIN REPLACEMENT - 2016	01/01/2016 12/31/20	21 3,475	0	0	0	0	3,475	0	0	0		0 0
0	78 SEWER REPLC - 2017 PROGRAM	01/01/2017 12/31/20	19 4,898	0	0	394	0	4,504	0	0	0		0 0
0	81 SEWER REPLC - 2014 PROGRAM - 2017 SC	01/01/2017 12/31/20	18 -607	0	0	0	0	-607	0	0	0		0 0
0	82 SEWER REPLACEMENT - METROLINX - 2017 SC	01/01/2017 12/31/20	21 -1,759	0	0	0	0	-1,759	0	0	0		0 0
0	83 FORCEMAIN REPLACEMENT- 2017 SC	01/01/2017 12/31/20	18 -5	0	0	0	0	-5	0	0	0		0 0
0	84 2012 SEWER REPLC- 2017 SC	01/01/2017 12/31/20	18 -393	0	0	0	0	-393	0	0	0		0 0
0	85 EBF REPORT- 2017 SC	01/01/2017 12/31/20	17 959	0	0	627	0	332	0	0	0		0 0
0	86 EBF REPORT- 2017 SC	01/01/2017 12/31/20	17 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 12/31/20	18 314	0	0	25	0	289	0	0	0		0 0
0	88 SEWER REPLC - 2016 PROGRAM- 2017 SC	01/01/2017 12/31/20	18 -4,021	0	0	-324	0	-3,697	0	0	0		0 0
0	89 FORCEMAIN REPLACEMENT - 2016- 2017 SC	01/01/2017 12/31/20	21 -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
<u>0 WA</u>	S906980 ASHBRIDGES BAY T.P. YR2006												
0	9 DEWATERING EQUIPMENT UPGRADES	01/01/2006 12/31/20	17 1,248	0	0	100	0	1,148	0	0	0		0 0
0	42 DEWATERING EQUIPMENT UPGRADES- 2017 SC	01/01/2017 12/31/20	17 -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	S906981 HIGHLAND CREEK WWTP UPGRADES												
0	1 PROCESS & FACILITY UPGRADE	01/01/2006 12/31/20	22 2,970	0	0	0	0	2,970	0	0	0		0 0
0	3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006 12/31/20			0	816	0	9,259	0	0	0		0 0
0	5 TRANSFORMERS AND SWITCHGEAR	01/01/2006 12/31/20			0	41	0	469	0	0	0		0 0
0	7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2006 12/31/20		0	0	0	0	671	0	0	0		0 0
0	8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011 12/31/20		0	0	0	0	9,238	0	0	0		0 0
0	23 ELECTRICAL UPGRADES - ECAR	01/01/2012 12/31/20	20 1,117	0	0	0	0	1,117	0	0	0		0 0
0	31 ELEC SYSTEM UPGRADES - CONSTR	01/01/2009 12/31/20			0	0	0	390	0	0	0		0 0
0	32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2009 12/31/20			0	0	0	998	0	0	0		0 0

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Sub-Project Summary

Project Project Anne Statistic Direction (Cash P) beaks Project Marcol beaks Description beaks	Project/	Financing			Г	2017					Financ	ing					
0 BODIGESTER CLEANING, REHAB AND MIPROVEMENTS 44-7 010x0201412211201 285 0 0 0 280 0 0 0 285 0 0 0 285 0 0 0 285 0	Priority	Project	Project Name			Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt		
0 90 PROCESS IMPROVEMENTS (ROADMAP FOR RCM) 0101/2015 12/31/2017 245 0 0 0 1245 0<	<u>o wa</u>	<u>\$906981</u>	HIGHLAND CREEK WWTP UPGRADES														
O D	0	80 DI	GESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	01/01/201412/3	31/2020	250	0	0	0	0	250	0	0	0		0	0
0 Distributed Distributed <thdistributed< th=""> <thdistr< td=""><td>0</td><td>90 PF</td><td>OCESS IMPROVEMENTS (ROADMAP FOR RCM)</td><td>01/01/201512/3</td><td>31/2017</td><td>245</td><td>0</td><td>0</td><td>0</td><td>0</td><td>245</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td></thdistr<></thdistributed<>	0	90 PF	OCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/201512/3	31/2017	245	0	0	0	0	245	0	0	0		0	0
0 101 AERATION SYSTEM AND ASSOCIATED BUILDING UPGRAE0101/231/221 10,00 0 0 10,000 0 0 10,000 0	0	91 PF	OCESS, EQUIPMENT, FACILITY UPGRADES	01/01/201512/3	31/2017	1,240	0	0	0	0	1,240	0	0	0		0	0
0 102LIQUID TRAIN - ENGINEERING 0101/2015 1231/2022 8,100 0 0 8,100 0	0	92 LIC	QUID TRAIN REPAIRS - PHASE 1	01/01/201512/3	31/2019	5,851	0	0	0	0	5,851	0	0	0		0	0
0 123 COMMUNICATION SYSTEM 0101/20161231/222 4.00 0 <td>0</td> <td>101 AE</td> <td>RATION SYSTEM AND ASSOCIATED BUILDING UPGRAI</td> <td>E01/01/201612/3</td> <td>31/2021</td> <td>10,090</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>10,090</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td>	0	101 AE	RATION SYSTEM AND ASSOCIATED BUILDING UPGRAI	E01/01/201612/3	31/2021	10,090	0	0	0	0	10,090	0	0	0		0	0
122 BIOSOLIDS TREATMENT UPGRADES -2017 SC 0101/2017 1231/2020 4,575 0 0 4,275 0 0 4,204 0	0	102 LIC	QUID TRAIN - ENGINEERING	01/01/201512/3	31/2025	8,100	0	0	0	0	8,100	0	0	0		0	0
12.5 TRAINSFORMERS AND SWITCHGEAR-2017 SC 0101/2017 1231/2027 -500 0 -40 0 -400 0	0	123 CC	DMMUNICATION SYSTEM	01/01/201612/3	31/2021	400	0	0	0	0	400	0	0	0		0	0
0 126 ELEC SYSTEM UPGRADES - CONSTR-2017 SC 01/10/17/12/31/2017 -350 0 0 0 0 0 127 CFPA COMPLIANCE - CL NOTICE - HCTP-2017 SC 01/01/2017/12/31/2022 4.138 0 0 0 0	0	124 BI	DSOLIDS TREATMENT UPGRADES -2017 SC	01/01/2017 12/3	31/2020	-4,575	0	0	-371	0	-4,204	0	0	0		0	0
Instruction	0	125 TR	ANSFORMERS AND SWITCHGEAR-2017 SC	01/01/2017 12/3	31/2020	-500	0	0	-40	0	-460	0	0	0		0	0
0 12b DIGESTER GAS SYSTEM UPGRADES-2017 SC 01/01/2017 1231/2022 4,138 0 0 0 4,138 0	0	126 EL	EC SYSTEM UPGRADES - CONSTR-2017 SC	01/01/2017 12/3	31/2017	-350	0	0	0	0	-350	0	0	0		0	0
0 129 LIQUID TRAIN - ENGINEERING-2017 SC 01/01/2017 11/231/2022 6,000 0 1,011/20 0 0 0 1,011/20 0 0 0 1,011/20 0	0	127 CE	PA COMPLIANCE - CL NOTICE - HCTP-2017 SC	01/01/2017 12/3	31/2022	-498	0	0	0	0	-498	0	0	0		0	0
0 130 LIQUID TRAIN REPAIRS - PHASE 1-2017 SC 0101/2017 12/31/2021 -5,001 0 0 -5,001 0 0 -5,001 0	0	128 DI	GESTER GAS SYSTEM UPGRADES-2017 SC	01/01/2017 12/3	31/2020	-4,138	0	0	0	0	-4,138	0	0	0		0	0
0 131 AERATION SYSTEM&ASSOCIATED BLDG UPGRADES -2011 01/01/201712/31/2021 1,912 0 0 -8,090 0 0 0 0 1,912 0	0	129 LIC	QUID TRAIN - ENGINEERING-2017 SC	01/01/2017 12/3	31/2026	-6,000	0	0	0	0	-6,000	0	0	0		0	0
0 132 PROCESS & FACILITY UPGRADE 2017 SC 01/01/201712/31/201 -1,912 0 0 0 -1,912 0	0	130 LIO	QUID TRAIN REPAIRS - PHASE 1-2017 SC	01/01/2017 12/3	31/2021	-5,001	0	0	0	0	-5,001	0	0	0		0	0
0 133 MECH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC 01/01/2017 12/31/201 -357 0 0 -357 0 0 0 0 0 -357 0	0	131 AE	RATION SYSTEM&ASSOCIATED BLDG UPGRADES -201	1 01/01/2017 12/3	31/2021	-8,090	0	0	0	0	-8,090	0	0	0		0	0
0 134 ELECTRICAL UPGRADES - ECAP. 2017 SC 0/101/2017 12/31/202 63 0<	0	132 PF	OCESS & FACILITY UPGRADE- 2017 SC	01/01/2017 12/3	31/2021	-1,912	0	0	0	0	-1,912	0	0	0		0	0
0 136 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)-2017 501/01/201712/31/2017 -195 0 0 -195 0 </td <td>0</td> <td>133 ME</td> <td>CH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC</td> <td>01/01/2017 12/3</td> <td>31/2018</td> <td>-357</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-357</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td>	0	133 ME	CH & ELECTRICAL UPGRADE ENGINEERING- 2017 SC	01/01/2017 12/3	31/2018	-357	0	0	0	0	-357	0	0	0		0	0
0 137 PROCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC 01/01/2017 12/31/2017 -1,240 0 0 0 -1,240 0 <t< td=""><td>0</td><td>134 EL</td><td>ECTRICAL UPGRADES - ECAR- 2017 SC</td><td>01/01/2017 12/3</td><td>31/2020</td><td>-634</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-634</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td></t<>	0	134 EL	ECTRICAL UPGRADES - ECAR- 2017 SC	01/01/2017 12/3	31/2020	-634	0	0	0	0	-634	0	0	0		0	0
0 138 COMMUNICATION SYSTEM- 2017 SC 01/01/2017 12/31/2027 -300 0 -300 0	0	136 PF	OCESS IMPROVEMENTS (ROADMAP FOR RCM)- 2017	\$01/01/2017 12/3	31/2019	-195	0	0	0	0	-195	0	0	0		0	0
Indecommentation of other land of the land of t	0	137 PF	OCESS, EQUIPMENT, FACILITY UPGRADES- 2017 SC	01/01/2017 12/3	31/2017	-1,240	0	0	0	0	-1,240	0	0	0		0	0
Q WAS906982 HUMBER WWTP UPGRADES 0 2 CHLORINE FACILITY UPGRADE 01/01/2006 12/31/2017 451 0 0 451 0 0 0 0 451 0 0 0 0 0 0 0 451 0 <td>0</td> <td>138 CC</td> <td>DMMUNICATION SYSTEM- 2017 SC</td> <td>01/01/2017 12/3</td> <td>31/2022</td> <td>-300</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>-300</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td>	0	138 CC	DMMUNICATION SYSTEM- 2017 SC	01/01/2017 12/3	31/2022	-300	0	0	0	0	-300	0	0	0		0	0
0 2 CHLORINE FACILITY UPGRADE 01/01/2006 12/31/2017 451 0 0 451 0			P	Project Sub-tot	tal:	18,355	0	0	446	0	17,909	0	0	0		0	0
0 5 FLOOD PROTECTION 01/01/2016 12/31/2017 180 0 0 0 180 0<	<u>o wa</u>	S906982	HUMBER WWTP UPGRADES														
0 6 NEW SUBSTATION 01/01/2006 12/31/2018 42 0 0 0 42 0 0 0 0 42 0 <td>0</td> <td>2 CH</td> <td>ILORINE FACILITY UPGRADE</td> <td>01/01/2006 12/3</td> <td>31/2017</td> <td>451</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>451</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td>	0	2 CH	ILORINE FACILITY UPGRADE	01/01/2006 12/3	31/2017	451	0	0	0	0	451	0	0	0		0	0
0 7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDATI/01/2006 12/31/2021 2,885 0 0 0 2,885 0 0 0 2,885 0	0	5 FL	OOD PROTECTION	01/01/201612/3	31/2017	180	0	0	0	0	180	0	0	0		0	0
0 29 ADMIN BUILDING EXPANSION - ENGINEERING 01/01/2010 12/31/2021 670 0 0 670 0 0 670 0	0	6 NE	W SUBSTATION	01/01/2006 12/3	31/2018	42	0	0	0	0	42	0	0	0		0	0
0 52 HVAC UPGRADES 01/01/2013 12/31/2019 7,390 0 0 0 7,390 0	0	7 EL	ECTRICAL CONDITION ASSESSMENT RECOMMENDATI	1(01/01/2006 12/3	31/2021	2,885	0	0	0	0	2,885	0	0	0		0	0
0 81 BLOWER REPLACEMENT 01/01/2016 12/31/2024 475 0 0 0 475 0 0 0 475 0 <	0	29 A D	MIN BUILDING EXPANSION - ENGINEERING	01/01/201012/3	31/2021	670	0	0	0	0	670	0	0	0		0	0
0 95 REPLACEMENT OF WASTE GAS BURNERS 01/01/2016 12/31/2017 1,509 0 0 1,509 0 <t< td=""><td>0</td><td>52 H\</td><td>AC UPGRADES</td><td>01/01/201312/3</td><td>31/2019</td><td>7,390</td><td>0</td><td>0</td><td>0</td><td>0</td><td>7,390</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td></t<>	0	52 H\	AC UPGRADES	01/01/201312/3	31/2019	7,390	0	0	0	0	7,390	0	0	0		0	0
0 99 WET WEATHER FLOW 01/01/2016 12/31/2019 2,315 0 0 0 2,315 0 <	0	81 BL	OWER REPLACEMENT	01/01/201612/3	31/2024	475	0	0	0	0	475	0	0	0		0	0
0 101 FLOOD PROTECTION-2017 SC 01/01/2017 12/31/2017 20 0	0	95 RE	PLACEMENT OF WASTE GAS BURNERS	01/01/201612/3	31/2017	1,509	0	0	0	0	1,509	0	0	0		0	0
	0	99 WI	ET WEATHER FLOW	01/01/201612/3	31/2019	2,315	0	0	0	0	2,315	0	0	0		0	0
0 102 HVAC UPGRADES-2017 SC 01/01/2017 12/31/2021 -2,598 0 0 0 0 -2,598 0 0 0 0 0 0 0 0	0	101 FL	OOD PROTECTION-2017 SC	01/01/2017 12/3	31/2017	20	0	0	0	0	20	0	0	0		0	0
	0	102 H\	AC UPGRADES-2017 SC	01/01/2017 12/3	31/2021	-2,598	0	0	0	0	-2,598	0	0	0		0	0

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/	Financing		2017					Financ	- J				
Priority	Project Project Name	Start Date Complet 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>o w</u>	S906982 HUMBER WWTP UPGRADES												
0	103 BLOWER REPLACEMENT-2017 SC	01/01/2017 12/31/20	18 -225	5 O	0	0	0	-225	0	0	0		0 0
0	104 REPLACEMENT OF WASTE GAS BURNERS-2017 SC	01/01/2017 12/31/20	22 -1,159	0	0	0	0	-1,159	0	0	0		0 0
0	105 WET WEATHER FLOW-2017 SC	01/01/2017 12/31/20	20 -1,715	5 O	0	0	0	-1,715	0	0	0		0 0
0	107 MESI UPGRADES	01/01/2017 12/31/20	21 500	0 0	0	0	0	500	0	0	0		0 0
0	108 BUILDING UPGRADES ENGINEERING- 2017 SC	01/01/2017 12/31/20	18 30	0	0	0	0	30	0	0	0		0 0
0	109 CHLORINE FACILITY UPGRADE- 2017 SC	01/01/2017 12/31/20	18 -390	0 0	0	0	0	-390	0	0	0		0 0
0	110 ELECTRICAL CONDITION ASSESSMENT RECOM- 2017 SC	C 01/01/2017 12/31/20	19 -1,232	0	0	0	0	-1,232	0	0	0		0 0
0	111 NEW SUBSTATION- 2017 SC	01/01/2017 12/31/20	17 -4	0	0	0	0	-4	0	0	0		0 0
0	112 NEW GROUNDSKEEPING BUILDING- 2017 SC	01/01/2017 12/31/20	17 17	0	0	0	0	17	0	0	0		0 0
0	113 ADMIN BUILDING EXPANSION - ENGINEERING- 2017 SC	01/01/2017 12/31/20	-387	0	0	0	0	-387	0	0	0		0 0
0	114 FIELD OFFICE- 2017 SC	01/01/2017 12/31/20	17 322	0	0	0	0	322	0	0	0		0 0
0	116 SERVICE REHAB AND UPGRADES	01/01/2017 12/31/20	22 500	0 0	0	0	0	500	0	0	0		0 0
	F	Project Sub-total:	9,596	0	0	0	0	9,596	0	0	0		0 0
0 WA	S906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	3											
0	1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION		23 3,029	0	0	244	0	2,785	0	0	0		0 0
0	3 WAS THICKENING - CONSTR	01/01/201012/31/20	,		0	8	0	94	0	0			0 0
0	17 WAS THICKENING - CONSTR-2017 SC	01/01/2017 12/31/20	18 -52	0	0	-4	0	-48	0	0	0		0 0
0	18 HCTP BMP IMPLEMENTATION-2017 SC	01/01/2017 12/31/20	26 -2,929	0	0	-236	0	-2,693	0	0	0		0 0
		Project Sub-total:	150	0	0	12	0	138	0	0	0		0 0
0 WA	S907038 Land Acquisition for Source Water Protect	-											
0	14 TRCA - SCARBOROUGH WATERFRONT TRAIL EA	01/01/201612/31/20	17 85	5 O	0	7	0	78	0	0	0		0 0
0	25 TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/201612/31/20			0	47	0	1,338	0		0		0 0
0	27 TRCA - CRITICAL EROSION SITES-2017 SC	01/01/2017 12/31/20	,		0	644	0	7,356	0		0		0 0
0	28 TRCA - SCARBOROUGH WATERFRONT WEST EA - 2017 S	S(01/01/2017 12/31/20	,		0	33	0	-418	0	0	0		0 0
-		Project Sub-total:	9,085	0	0	731	0	8,354	0	0	0		0 0
0 WA	S907097 ASHBRIDGES BAY WWTP - BUILDING SERVICES & SI												
0	7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEI		17 100	0	0	0	0	100	0	0	0		0 0
0	19 BIO GAS UTILIZATION	01/01/200912/31/20			0	0	0	1.035	0				0 0
0	21 BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEME		,		0	0	0	850	0	-	•		0 0
0	62 BIO GAS UTILIZATION-2017 SC	01/01/2017 12/31/20			0	0	0	-835	0		0		0 0
0	63 BLOWER BLDG OLD NORTH SUBSTATION IMPRO - 2017 S				0	0	0	-400	0	-	Ŭ		0 0
0	64 GROVE LANDSCAPING - PHASE 1	01/01/2017 12/31/20			0	0	0	790	0	0	•		0 0
5		Project Sub-total:	1,540		0	0	0	1,540	0	-	-		0 0
	г		1,540	0	0	0	0	1,040	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

Wastewater Program

Project/	/Financing		2017					Finan	Ų				
Priority	Project Project Name	Start Date Compl Dat		w Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> W/	AS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM												
0	1 DISINFECTION ENGINEERING	01/01/200912/31/2	021 4,18	4 0	0	337	0	3,847	0	0	0		0 0
0	13 OUTFALL ASSESSMENT	01/01/2012 12/31/2	017 94	0 0	0	94	0	846	0	0	0		0 0
0	14 OUTFALL ENGINEERING	01/01/201512/31/2	024 8,71	0 0	0	701	0	8,009	0	0	0		0 0
0	15 DISINFECTION SYSTEM CONSTRUCTION	01/01/2017 12/31/2	020 10	0 0	0	8	0	92	0	0	0		0 0
0	28 DISINFECTION ENGINEERING-2017 SC	01/01/2017 12/31/2	.022 -3,17	4 0	0	-256	0	-2,918	0	0	0		0 0
0	29 OUTFALL ASSESSMENT - 2017 SC	01/01/2017 12/31/2	.017 -94	0 0	0	-94	0	-846	0	0	0		0 0
0	30 OUTFALL ENGINEERING- 2017 SC	01/01/2017 12/31/2	.026 -4,81	0 0	0	-387	0	-4,423	0	0	0		0 0
0	31 OUTFALL - SITE PREP	01/01/2017 12/31/2	018 5	0 0	0	4	0	46	0	0	0		0
	F	Project Sub-total	5,06	0 0	0	407	0	4,653	0	0	0		0 0
<u>o w</u>	AS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	NDLIN											
0	1 FINE BUBBLE AERATION - TANK #2	01/01/2009 12/31/2	017 51	0 0	0	42	0	468	0	0	0		0
0	3 P BLDG HEADWORKS UPGRADE	01/01/201012/31/2	018 40,03	5 0	0	3,222	0	36,813	0	0	0		0
0	6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014 12/31/2	017 5,39	9 0	0	0	0	5,399	0	0	0		0
0	10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011 12/31/2	024 6,74	0 0	0	0	0	6,740	0	0	0		0
0	12 WORK AREA 1 REHAB	01/01/2008 12/31/2	017	3 0	0	0	0	3	0	0	0		0
0	71 INTEGRATED PUMPING STATION (IPS) - ENG-2017 SC	01/01/2017 12/31/2	026 -1,31	0 0	0	0	0	-1,310	0	0	0		0
0	72 P BLDG HEADWORKS UPGRADE-2017 SC	01/01/2017 12/31/2	019 -25,01	0 0	0	-2,013	0	-22,997	0	0	0		0
0	73 INTEGRATED PUMPING STATION (IPS) - CONST-2017 SC	01/01/2017 12/31/2	026 25	0 0	0	0	0	250	0	0	0		0
0	74 FINE BUBBLE AERATION - TANK #2 - 2017 SC	01/01/2017 12/31/2	.018 -50	0 0	0	-41	0	-459	0	0	0		0
0	75 WORK AREA 1 REHAB- 2017 SC	01/01/2017 12/31/2	018	3 0	0	0	0	-3	0	0	0		0
0	76 M & T PUMPING STATION CRITICAL REPAIRS- 2017 SC	01/01/2017 12/31/2	018 -2,22	1 0	0	0	0	-2,221	0	0	0		0
0	77 FINE BUBBLE AERATION - ENGINEERING	01/01/2017 12/31/2	025 5	0 0	0	4	0	46	0	0	0		0
	F	Project Sub-total	23,94	3 0	0	1,214	0	22,729	0	0	0		0
<u>o w</u>	AS907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	3											
0	3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2014 12/31/2	023 3,50	0 0	0	282	0	3,218	0	0	0		0
0	4 DIGESTERS 9-12 REFURBISH	01/01/2011 12/31/2	023 10,82	0 0	0	870	0	9,950	0	0	0		0
0	8 BIOSOLIDS PELLETIZER RETROFIT	01/01/201312/31/2	017 40	0 0	0	0	0	400	0	0	0		0
0	22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTIO	N01/01/2017 12/31/2	023 1,00	0 0	0	80	0	920	0	0	0		0
0	25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/201412/31/2	019 96	7 0	0	0	0	967	0	0	0		0
0	46 DIGESTERS 9-12 REFURBISH - 2017 SC	01/01/2017 12/31/2	.021 -6,47	0 0	0	-520	0	-5,950	0	0	0		0
0	47 WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2017 SC	01/01/2017 12/31/2	.024 -1,84	з 0	0	-149	0	-1,694	0	0	0		0
0	48 PELLETIZER TRUCK LOADING FACILITY UPGRADES-201	7 01/01/2017 12/31/2	.019 -48	0 0	0	0	0	-480	0	0	0		0
	F	Project Sub-total	7,89	4 0	0	563	0	7,331	0	0	0		0

Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/F	Financing		2017					Finan	cing					
Priority	Project Project Name	Start Date Completic Date	n Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt Recover	
<u>0 WA</u>	S907101 ASHBRIDGES BAY WWTP - O&M UPGRADES													
0	5 BOILER #4 DESIGN	01/01/2010 12/31/201	8 47	0	0	0	0	47	0	0	0		0	0
0	6 MESI UPGRADES	01/01/2012 12/31/201	9 3,448	0	0	0	0	3,448	0	0	0		0	0
0	7 MISC MECH REHAB	01/01/2010 12/31/201	8 8,120	0	0	0	0	8,120	0	0	0		0	0
0	32 MISC MECH REHAB- 2017 SC	01/01/2017 12/31/201	8 -3,120	0	0	0	0	-3,120	0	0	0		0	0
0	33 BOILER #4 DESIGN- 2017 SC	01/01/2017 12/31/201	9 63	0	0	0	0	63	0	0	0		0	0
0	34 MESI UPGRADES- 2017 SC	01/01/2017 12/31/201	7 -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 WA	S907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL													
0	6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/2012 12/31/201	8 10,098	0	0	813	0	9,285	0	0	0		0	0
0	13 D BUILDING TREATMENT & BIOFILTER	01/01/2009 12/31/201	7 992	0	0	80	0	912	0	0	0		0	0
0	38 D BUILDING TREATMENT & BIOFILTER- 2017 SC	01/01/2017 12/31/201	8 -98	0	0	-8	0	-90	0	0	0		0	0
0	39 BIOFILTERS UPGRADE & REPLACEMENT- 2017 SC	01/01/2017 12/31/201	9 -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 WA	S907104 HUMBER WWTP - LIQUID TREATMENT & HANDLIN	NG												
0	2 SECONDARY TREATMENT UPGRADES - SOUTH - ENG		3 3,811	0	0	307	0	3,504	0	0	0		0	0
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CO	NS 01/01/201512/31/202		0	0	3,623	0	41,377	0	0	0		0	0
0	24 SECONDARY TREATMENT UPGRADES - SOUTH-CON	S-20'01/01/2017 12/31/202	2 -11,500	0	0	-925	0	-10,575	0	0	0		0	0
0	25 SECONDARY TREATMENT UPGRADES - SOUTH - ENG	G 20101/01/2017 12/31/202	5 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
<u>0</u> WA	S907105 HUMBER WWTP - O&M UPGRADES													
0	1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008 12/31/201	7 3,723	0	0	0	0	3,723	0	0	0		0	0
0	2 LIQUID STREAM UPGRADES	01/01/2010 12/31/201	-	0	0	25	0	291	0	0	0		0	0
0	31 GAS COMPRESSOR SYSTEM UPGRADES-2017 SC	01/01/2017 12/31/201	9 219	0	0	0	0	219	0	0	0		0	0
0	32 LIQUID STREAM UPGRADES- 2017 SC	01/01/2017 12/31/201	7 -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 WA	S907106 HUMBER WWTP - ODOUR CONTROL	-	L											
0	1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/201312/31/201	7 8,632	0	0	694	0	7,938	0	0	0		0	0
0	13 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2017		-,	0	0	-191	0	-2,186	0		0		0	0
Ū		Project Sub-total:	6,255	0	0	503	0	,	0	-	-		0	0
0 WA	S907224 SEWAGE PUMPING STATION UPGRADES	-,	-,		-			-,	-					
0 0	1 SPS UPGRADES	01/01/2011 12/31/201	7 2,593	0	0	209	0	2,384	0	0	0		0	0
0	18 SPS UPGRADES - GROUP 6	01/01/2016 12/31/202	-	0	0	209 50	0	2,304	0	0	0		0	0
0	29 SPS UPGRADES-2017 SC	01/01/2017 12/31/202			0	-17	0	-186	0	-			0	0
U	23 3F 3 UFGRADE 3-2011 30	01/01/2017 12/31/201	³ -203	I U	U	-17	0	-100	0	0	0		U	U

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Appendix 5: 2017 Capital Projects with Financing Detail

Wastewater Program

Project/F	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	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 WA</u>	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	SLIE01/01/201712/31/2023	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
0 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		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 WA	S908143 Georgetown South City Infrastructure Upgrades												
0	1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGF	RAD01/01/201512/31/2019	6,189	0	0	0	0	6,189	0	0	0		0 0
0	7 GEORGETOWN SOUTH CITY INFRASTRUCTURE - 2017	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
<u>0 WA</u>	SWP003 EMERY CREEK POND												
0	1 EMERY CREEK POND	01/01/200512/31/2018	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
<u>0 WA</u>	SWP050 EQUIPMENT REPLACEMENT & REHABILITATION	-											
0	78 EQUIPMENT REPLACEMENT	01/01/2012 12/31/2019	5,580	0	0	0	0	5,580	0	0	0		0 0
0	117 REHAB OF SOUTH PRIMARY CLARIFIERS	01/01/2005 12/31/2017		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
Program	n Total:		466,912	0	0	19,058	0	447,854	0	0	0		0 0

Status Code Description

- S3 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
- Legislated C02 State of Good Repair C03
- 02 03
- 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

					(\$0)00s)							
Tal	ble 1						Contri	ibutions / (With	ndrawals)				
Reserve / Reserve Fund Name	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 DOWNTOWN W/M ENHANCEMENT		(\$762) (\$3)	(\$1,103) (\$2)	(\$823)	(\$757)	(\$683)	(\$644)	(\$594)	(\$369)	(\$244)	(\$119)	(\$6,098) (\$5)
	TRUNK WATERMAIN EXPANSION		(\$1,150)	(\$5,994)	(\$5,929)	(\$3,921)	(\$5)						(\$16,999)
	PROGRAM		(\$526)	(\$578)	(\$626)	(\$109)	(\$1)	(\$1)					(\$1,841)
	RL CLARK W.T.P. R&R		(\$619)	(\$749)	(\$640)	(\$270)	(\$4)	(\$2)					(\$2,284)
	DIST W/M REPLACEMENT		(\$16,382)	(\$17,653)	(\$18,976)	(\$21,322)	(\$20,097)	(\$20,159)	(\$20,221)	(\$20,221)	(\$20,532)	(\$20,532)	(\$196,095)
	ISLAND W.T.P. R&R			(\$3)									(\$3)
	D2/D4 TRUNK WATERMAIN UPGRADES					(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)		(\$27,415)
	BAYVIEW TRUNK WATERMAIN - PH2				(\$249)	(\$311)	(\$249)	(\$467)	(\$6,813)	(\$19,194)	(\$18,945)	(\$18,945)	(\$65,173)
	REGENT PARK CAPITAL CONTRIBUTION		(\$812)	(\$1,909)	(\$864)	(\$1,398)	(\$812)	(\$33)	(\$73)	(\$40)			(\$5,941)
	WT&S PLANTWIDE		(\$45)	(\$252)	(\$574)	(\$681)	(\$1,292)	(\$600)	(\$731)	(\$306)	(\$660)	(\$672)	(\$5,813)
	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	t 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

Tab	ble 2	Projected					Contr	ibutions / (With	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	A SHBRIDGES BAY WWTP REHAB		(0707)	(04.070)	(0000)	(600)	(\$4)						(\$2,700
Fund	TRUNK SEWER SYSTEM		(\$737)	(\$1,073) (\$136)	(\$866) (\$373)	(\$20)	(\$4) (\$3,153)	(\$8,867)	(\$8,952)	(\$13,869)	(\$13,733)	(\$13,733)	(\$2,700
V02026 DC . 6 (2004)	HIGHLAND CREEK WWTP -			(\$136)	(\$373)	(\$932)	(\$3,153)	(\$8,867)	(\$8,952)	(\$13,869)	(\$13,733)	(\$13,733)	(\$63,748
XR2026 DC - Sewer (2004)	ODOUR CONTROL		(\$1,126)	(\$694)	(\$534)	(\$545)	(\$44)	(\$285)	(\$496)	(\$463)	(\$235)		(\$4,422
	ASHBRIDGES BAY T.P III		(\$1,120)	(\$094)	(\$334)	(4040)	(\$44)	(\$203)	(\$450)	(\$403)	(\$233)		(\$4,422
XR2112 DC - Sewer (2009)	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)							1	(\$7
	HIGHLAND CREEK TP Y R2005		(\$1)	(\$1)									(\$2
	ASHRIDGES BAY TPYR2005		(\$32)	(\$32)	(\$39)	(\$6)							(\$109
	SEWER SYSTEM			() · · /		(1.7							
	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
	ASHBRIDGES BAY T.P. YR2006												
	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
	ASHBRIDGES BAY WWTP -		(\$12)	(\$242)	(\$201)	(\$040)	(\$1,274)	(\$1,274)	(\$1,200)	(\$743)	(\$10)	(\$12)	(\$3,672
	EFFLUENT SYSTEM		(\$407)	(\$7,182)	(\$9,112)	(\$7,907)	(\$2,780)	(\$2,926)	(\$2,530)	(\$1,749)	(\$1,613)	(\$5)	(\$36,211
	ASHBRIDGES BAY WWTP -		(\$101)	(\$1,102)	(\$0,112)	(\$1,001)	(\$2,100)	(\$2,020)	(\$2,000)	(\$1,110)	(\$1,510)	(\$0)	(\$00,211
	LIQUID TREATMENT & HANDLING		(\$1,214)	(\$1,540)	(\$2,274)	(\$900)	(\$900)	(\$904)	(\$944)	(\$1,530)	(\$2,418)	(\$1,316)	(\$13,940
	ASHBRIDGES BAY WWTP -		(, , ,	X. 15 - 1		(1.1.7)	(1.1.1)	(1.1.7		(1717)		(
	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		(\$503)	(\$532)								1	104 000
	CONTROL SEWAGE PUMPING STATION		(\$503)	(\$532)									(\$1,035
	UPGRADES		(\$271)	(\$415)	(\$373)	(\$646)	(\$707)	(\$586)	(\$433)	(\$140)	(\$2)	(\$2)	(\$3,575
	DON & WATERFRONT TRUNK		(ψ211)	(\$413)	(4373)	(4040)	(\$101)	(\$500)	(\$400)	(\$140)	(ψ2)	(ψz)	(\$5,575
	CSO		(\$354)	(\$1,709)	(\$4,184)	(\$5,503)	(\$5,014)	(\$5,152)	(\$4,242)	(\$3,392)	(\$4,409)	(\$5,286)	(\$39,245
	LAWRENCE ALLAN		(+)	(+ .,. ==)	(+ 1, 12 1)	(+-,)	(+=,= : .)	(+-,,	(+ -,= -)	(+-,/	(+ -, -==)	(+=,===)	(***,= **
	REVITALIZATION PLAN		(\$3,500)	(\$11,842)	(\$11,079)	(\$7,237)						1	1
	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		\$204,70
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

Та	ble 3	Projected					Contri	ibutions / (With	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	\$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	SWM END OF PIPE FACILITIES		(\$107)	(\$91)	(\$677)	(\$771)	(\$276)	(\$587)	(\$2,463)	(\$5,215)	(\$6,170)	(\$13)	(\$16,370)
DC Reserve Fund	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 &		(499)	(9420)	(\$510)	(9474)	(\$1)	(97)					(\$1,313)
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		(\$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	\$54,610
	Other Program / Agency Net												
	(Withdrawls) and												
	Contributions			(\$4,275)	(\$1,250)								(\$5,525)
Total Reserve Fund Balance a	t Year-End	\$17,104	\$18,952	\$17,279	\$17,407	\$18,474	\$20,850	\$23,229	\$23,192	\$20,370	\$16,574	\$19,335	

Based on the 2016 Q2 Variance Report