

Toronto Water

2018 - 2027 CAPITAL BUDGET AND PLAN OVERVIEW

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

Toronto Water has stewardship of an inventory of capital assets valued at \$28.561 billion. Toronto Water maintains two categories of capital assets: linear infrastructure, such as distribution (5,551 km) and transmission (550 km) watermains, sanitary (3,730 km), combined (1,411 km) and storm (4,981 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment (4) plants, water (18), wastewater (67), combined (8) and stormwater (12) pumping stations, as well as a variety of reservoirs, storage and detention tanks.

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

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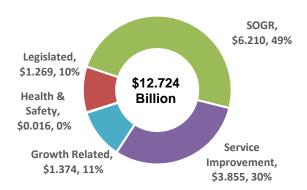
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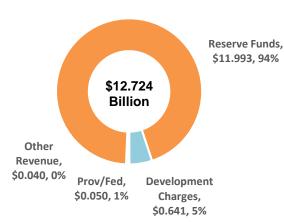


Capital Spending and Financing

2018-2027 Recommended Capital Budget and Plan By Project Category



By Funding Source



Where the money goes:

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

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

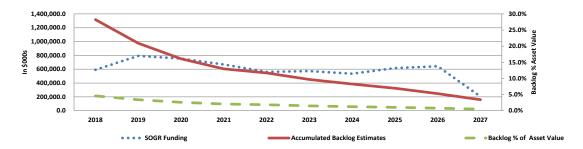
Where the money comes from:

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

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

State of Good Repair Backlog

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



Our Key Issues & Priority Actions

Aging Infrastructure – Toronto Water's infrastructure is aging (some of the City's pipes are 100 years old) and it has an accumulated state of good repair backlog estimated at \$1.482 billion in particular for linear infrastructure, which may result in service interruption.

- ✓ The 10-Year Capital Plan funding of \$6.210 billion for SOGR will effectively eliminate backlog by 2027.
- Stormwater Management and Resiliency Significant investment is required to manage basement flooding and other stormwater issues across the City. Funding for stormwater management represents approximately 25% of the 10-Year Capital Plan's expenditures.
 - ✓ The 10-Year Capital Plan includes an added \$138.179
 million for Wet Weather Flow projects that will improve the
 City's resiliency to extreme weather events.
- Strict Regulatory Control and Oversight The water and wastewater industry continues to experience increased legislative and regulatory reform.
 - The 10-Year Capital Plan includes funding of \$644.020 million for the design and construction of a new effluent disinfection system and outfall at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.
- Long-term Financial Sustainability & Planning for Growth -The 10-Year Capital Plan relies primarily on successive water rate increases of 5% in year 2018 and 3% thereafter.
 - The City of Toronto is experiencing significant growth.

 Development charges are insufficient to fund the growth related share for projects that are eligible for development charge funding, resulting in approximately \$200.0 million in additional draws from Toronto Water' capital reserves to accommodate development growth over the next 10 years.

2018 Capital Budget Highlights

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

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





2018 Recommended Capital Budget By Project Category



Health & Safety, \$3.9, 1%

By Funding Source



Actions for Consideration

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

 City Council approve the 2018 Recommended Capital Budget for Toronto Water with a total project cost of \$1.842 billion, and 2018 cash flow of \$ 964.089 million and future year commitments of \$ 5.157 billion comprised of the following:

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



Part 1: 10-Year Recommended Capital Plan

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

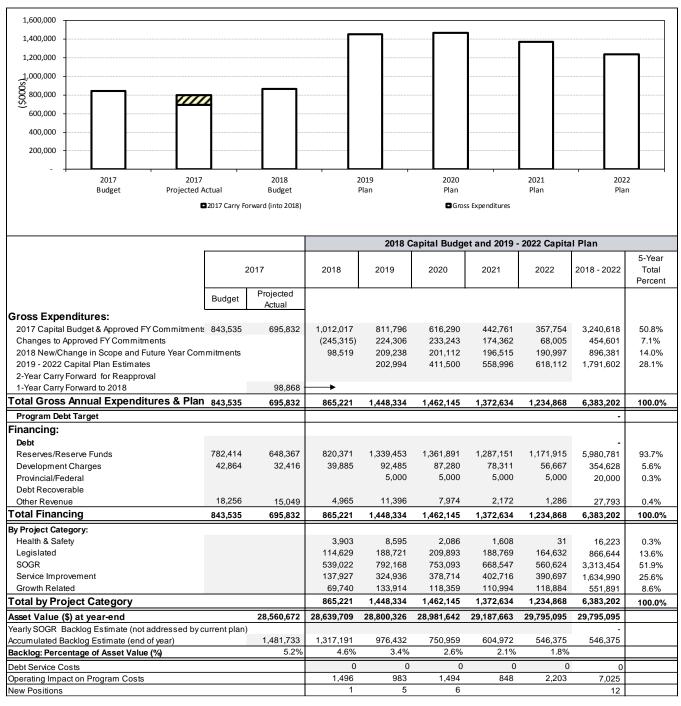
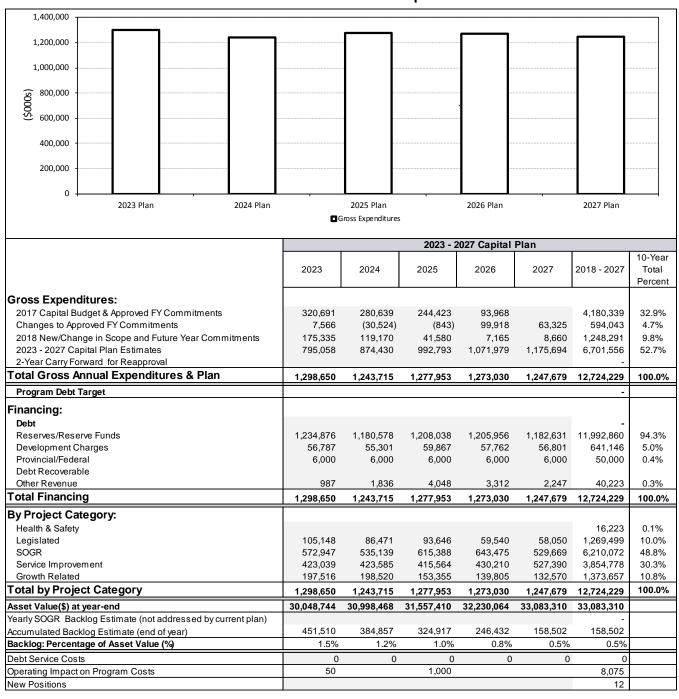


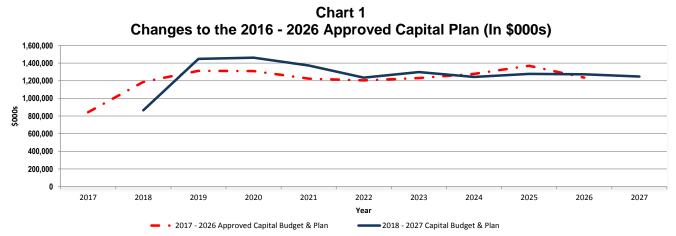
Table 1b 10-Year Capital Plan 2023 - 2027 Recommended Capital Plan



Key Changes to the 2017 - 2026 Approved Capital Plan

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

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



(\$000s)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2017 - 2026 Approved Capital Budget & Plan	843,535	1,187,154	1,311,882	1,310,274	1,223,800	1,203,849	1,230,785	1,277,576	1,369,783	1,235,487	
2018 - 2027 Capital Budget & Plan		865,221	1,448,334	1,462,145	1,372,634	1,234,868	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679
Change %		-27.1%	10.4%	11.6%	12.2%	2.6%	5.5%	-2.7%	-6.7%	3.0%	
Change \$		-321,933	136,452	151,871	148,834	31,019	67,865	-33,861	-91,830	37,543	

10-Year Total 12,194,125 12,724,229 4.3% 530,104

The \$530.104 million increase in the Capital Program reflects an increase of \$404.144 million in various capital projects in the outer years of the 10-Year Capital Plan. The remaining \$125.960 million represents an increase in capital funding over the nine common years of the Capital Plans (2018-2026) as reflected in Table 2 on the following page. This arises from the reprioritization of Toronto Water's capital projects based on the following factors:

- In order to accommodate escalating construction prices, Toronto Water has its modified renewal strategy for linear projects, directing efforts towards rehabilitation rather than replacement of linear infrastructure.
- The 10-Year Capital Program was aligned with available funding as calculated by the Water and Wastewater Rate Model to ensure positive reserve balances during major capital spending years.
- Changes have also been made based on updated schedules for coordinated and sequenced delivery of projects requiring large capital funding, as well as new condition assessments.
- The 2018 Recommended Capital Budget was aligned with historical spending rates and ability to deliver future year projects.

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

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

\$000s	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2017 - 2026 Capital Budget & Plan	843,535	1,187,154	1,311,882	1,310,274	1,223,800	1,203,849	1,230,785	1,277,576	1,369,783	1,235,487	
2018 - 2027 Capital Budget & Plan		865,221	1,448,334	1,462,145	1,372,634	1,234,868	1,298,650	1,243,715	1,277,953	1,273,030	1,247,679
Capital Budget & Plan Changes (2018 -	- 2026)	(321,933)	136,452	151,871	148,834	31,019	67,865	(33,861)	(91,830)	37,543	

2018 - 2026 T	otal
11,3	50,590
11,4	76,550
1.	25,960

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

Significant Capital Project Changes in Toronto Water:

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

Increases in Previous Approved Project Costs:

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

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

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

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

Deferral/ Reductions in Previously Approved Capital Projects:

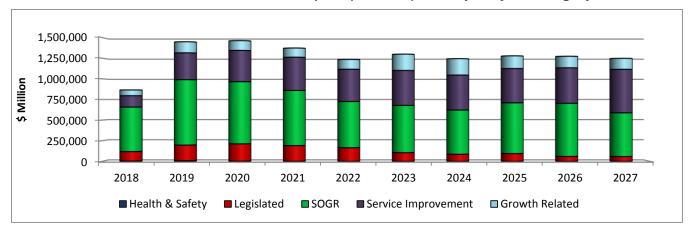
Significant reductions in capital expenditures have been made due to the escalation in unit rate prices for linear infrastructure replacement, as well as the anticipated continuing decline in water consumption which has resulted in a need to defer/delay a number of capital projects over the 10 year planning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

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

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

2018 – 2027 Recommended Capital Plan

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



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

- Health and Safety projects represent approximately 0.1% or \$16.223 million. Funding is allocated within the
 first 5 years of the 10-Year Capital Plan period in order to improve the safety and upgrade electrical systems
 at Ashbridges Bay, Humber and North Toronto wastewater treatment plants.
- Legislated projects account for 10.2% or \$1.269 billion of total funding. These projects are required to comply
 with existing and emerging provincial and federal legislation. Funding for Legislative projects is expected to
 increase in future years as regulations governing water supply and wastewater treatment continue to become
 more stringent.
- State of Good Repair projects continue at stable levels with an average annual investment of about \$621 million over the 10 year period in order to ensure the continued reduction of Toronto Water's infrastructure renewal backlog estimated at \$1.482 billion for the end of 2017.
- Service Improvement projects represent approximately 30.3% or \$3.855 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$130.927 million in 2018 to \$527.39 million in 2027.
- Growth Related projects constitute about 10.8% or \$1.374 billion of the total. Funding for anticipated growth projects such as new and enhanced watermains and service connections is consistent over the 10-Year Capital Plan period, averaging \$38.815 million per year. However, funding for planned significant standalone projects will vary from year to year based on growth requirements.

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

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

	Total App'd Cash Flows to Date*	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total	Total Project Cost
Total Expenditures by Category													
Health & Safety		4.504		2 252	4 505							40.000	
Ashbridges Bay TP Humber TP		1,684 2,219	5,215 3,380	2,063 23	1,585 23	31						10,578 5,645	
Sub-Total		3,903	8,595	2,086	1,608	31						16,223	-
Legislated													
Water Service Replacement		39,863	54,161	41,301	41,301	43,250	43,250	43,250	42,750	41,250	41,250	431,626	
Pumping Stations		3,519	5,883	9,025	8,481	7,090	6,123	4,305	8,700	6,925	6,250	66,301	
WT - Storage & Treatment Ashbridges Bay TP		100 57,631	100 110,922	129,648	111,475	105,992	55,175	37,716	25.606	C.F.		200	
Highland Creek TP		6,549	11,105	14,019	8,532	50	400	1,000	35,696 6,500	65 11,300	10,550	644,320 70,005	
Humber TP		2,981	1,000	11,013	0,332	50	100	1,000	0,500	11,500	10,550	3,981	
RL Clark TP		2,875	2,750									5,625	
Island TP		1,111	2,800	15,900	18,980	8,250	200	200				47,441	
Sub-Total		114,629	188,721	209,893	188,769	164,632	105,148	86,471	93,646	59,540	58,050	1,269,499	_
State of Good Repair		,		,	,	,	,	,	,	,	,		
Business & Technology		6	160		78	80						324	
Linear Eng		81,966	89,622	79,783	75,594	73,886	75,061	65,894	66,758	75,725	69,487	753,776	
Sewer Rehabilitation		72,097	77,377	70,366	64,043	64,143	63,200	64,100	65,650	64,400	65,950	671,326	
Sewer Replacement		8,970	30,637	22,292	19,536	15,830	15,000	15,000	15,000	15,000	15,000	172,265	
WM Rehabilitation		78,588	75,699	71,284	72,364	73,475	75,300	73,800	73,400	73,300	73,800	741,010	
WM Replacement		41,622	119,020	106,268	106,850	95,253	95,000	95,000	95,000	95,000	95,000	944,013	
Water Service Replacement Pumping Stations		1,613 4,412	1,613 7,769	11,289	2,022	3,760	7,935	7,875	6,815	4,260	3,550	3,226 59,687	
Trunk Water Mains		8,197	6,244	3,340	2,100	14,450	25,000	27,400	21,750	25,575	25,525	159,581	
WT - Storage & Treatment		19,991	35,041	57,354	40,205	8,206	9,288	13,150	25,750	35,585	16,830	261,400	1
Trunk Sewers & Pumping Stations		45,840	53,998	57,538	71,196	48,301	24,672	15,872	19,515	13,222	6,205	356,359	
Ashbridges Bay TP		88,776	142,292	142,291	131,164	107,266	127,216	100,750	134,794	141,077	69,999	1,185,625	
Highland Creek TP		14,147	51,121	45,999	24,115	12,654	10,140	16,840	23,455	24,890	7,862	231,223	
Humber TP		37,494	48,115	43,722	42,432	23,240	29,889	17,200	38,200	41,210	45,359	366,861	
RL Clark TP RC Harris TP		7,425 7,872	9,407 12,300	4,480 7,519	260 2,247	235 1,850	200 1,000	200 11,150	200 11,500	200 11,500	200 12,550	22,807 79,488	228,231
FJ Horgan TP	220,669	1,809	1,724	1,522	825	678	202	202	200	200	200	7,562	220,231
Island TP	220,003	7,498	11,094	7,981	382	625	3,275	525	375	525	375	32,655	
WWF-Implementation Projects		7,337	9,050	9,677	3,015	4,586	1,500	4,000	4,000	4,000	6,000	53,165	
WWF - Stream Restoration		2,827	9,548	9,621	8,386	10,729	7,584	4,696	11,541	16,321	14,292	95,545	
Yards & Facility		535	337	767	1,733	1,377	1,485	1,485	1,485	1,485	1,485	12,174	
Sub-Total	220,669	539,022	792,168	753,093	668,547	560,624	572,947	535,139	615,388	643,475	529,669	6,210,072	228,231
Service Improvements													
Water Meter Program (AMR)	246,496	3,030										3,030	249,526
Basement Flooding		43,078	113,279	139,113	153,223	152,216	172,730	175,891	183,651	197,997	211,263	1,542,441	
Business & Technology		7,830	15,060	12,993	11,946	7,584	6,069	4,569	2,714	1,814	1,814	72,393	
Linear Eng		1,765	2,025	3,075	3,175	4,075	7,175	8,975	8,475	7,975	7,975	54,690	
Sewer Replacement		2,483 231	1,624									4,107 743	
Pumping Stations Trunk Water Mains		699	512 5,357	4,625	91	92						10,864	
WT - Storage & Treatment		5,927	10,063	3,425	33	14						19,462	
Ashbridges Bay TP		7,331	11,162	12,206	8,323	10,775	2,175	1,250	1,050	21,300	46,865	122,437	
Highland Creek TP		4,635	5,544	10,060	31,126	28,670	32,115	44,000	44,200	33,070	29,100	262,520	
Humber TP		1,676	6,641	7,990	8,974	9,177	7,500					41,958	1
RC Harris TP		3,269	7,226	1,558		1						12,053	
FJ Horgan TP Island TP		713 1,052	2,108	2,325 833	1,010 695	650						6,156 4,874	
WTP-Plantwide		1,052	1,644 9,783	29,073	42,990	55,221	44,397	20,832	9,420	10,420	3,375	4,874 226,936	
WWF-Implementation Projects		34,706	107,132	127,754	123,806	106,881	134,315	151,381	149,240	140,690	201,470	1,277,375	
WWF-TRCA		13,832	14,791	14,104	14,219	14,337	15,958	16,082	16,209	16,339	16,473	152,344	
Yards & Facility		4,245	10,985	9,580	3,105	1,005	605	605	605	605	9,055	40,395	
Sub-Total	246,496	137,927	324,936	378,714	402,716	390,697	423,039	423,585	415,564	430,210	527,390	3,854,778	249,526
Growth Related			,	510,121	102,120		,	120,000	120,001	100,220	,	5,25 1,110	
Linear Eng		252	807	150	150	150	150	150	150	150	150	2,259	
New Connections		34,825	37,323	38,000	38,000	38,000	38,000	41,000	41,000	41,000	41,000	388,148	
New Sewers		7,398	12,688	9,450	7,500	3,300	1,000	6,000	9,000	9,000	7,500	72,836	
WM Replacement		14,474	51,375	34,372	26,433	18,133	18,071	18,040	19,000	19,000	19,000	237,898	
Pumping Stations Trunk Water Mains		4,625 6,323	6,411 20,700	4,907 22,710	3,430 20,136	4,265 18,000	1,975 18,300	10 14,300	20,845	17,635	12,300	25,623 171,249	
WT - Storage & Treatment		6,323 174	20,700 140	22,710	1,000	2,000	3,000	14,300	20,845	17,035	12,300	6,314	
Trunk Sewers & Pumping Stations		499	1,310	3,000	9,300	28,150	52,400	52,400	52,400	52,200	51,900	303,559	
Ashbridges Bay TP		800	2,500	4,500	4,000	6,300	64,000	66,000	10,350	300	200	158,950	
	I		190	800	500							1,490	
Highland Creek TP				l		41						41	
FJ Horgan TP													
FJ Horgan TP Water Effeciency Plan		370	445	445	445	445	520	520	520	520	520	4,750	
FJ Horgan TP		370	445 25	445 25	445 100	445 100	520 100	520 100	520 90	520	520	4,750 540	
FJ Horgan TP Water Effeciency Plan		370 69,740								520 139,805	520 132,570		-
FJ Horgan TP Water Effeciency Plan WWF-Implementation Projects	467,165		25 133,914	25 118,359	100 110,994	100 118,884	100 197,516	100	90 153,355	139,805	132,570	1,373,657	477,75

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

2018 - 2027 Capital Projects

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

In addition to the state of good repair projects, considerable funding is provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding and growth related projects, some of which is to be recovered from Development Charges. Additional financial pressures are also accommodated within the Plan the result of updated cost estimates for engineering services for the Ashbridges Bay Wastewater Treatment Plant upgrades and the addition of the Wet Weather Flow Stream Restoration and Implementation Projects in 2027.

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

- The on-going state of good repair projects for linear infrastructure renewal to ensure the replacement or rehabilitation of aging watermains and sewers, and investment in the City's aging wastewater treatment facilities, are the focus of the 2018-2027 Recommended Capital Budget and Plan.
- The 10-Year Capital Plan includes \$7.496 billion or 58.9% of the total funding of \$12.724 billion for new SOGR projects (including Health & Safety and Legislated projects of \$1.286 billion or 10.1%) over the next 10 years.
- The 2018-2027 Recommended Capital Budget and Plan also includes funding of \$644.020 million or 5.1% of the total funding to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$50.926 million or 0.4% of the total is allocated to legislated odour control projects at Highland Creek and Humber wastewater treatment plants.
- State of Good Repair funding included in the 10-Year Recommended Capital Plan is intended to address Toronto Water's SOGR backlog, estimated at \$1.482 billion by year-end 2017, with the backlog projected to be effectively eliminated by year-end 2027, provided current funding allocations for State of Good Repair projects are maintained over the next 10 years.
- Adjustments to project costing rates to align with market experience calculated through the bidding process, will require that the SOGR estimate be regularly updated.
- It should be noted that Toronto Water is developing a strategy to implement harmonized asset management planning across its linear and vertical infrastructure in response to multiple pressures driving capital investments. The review is currently on-going, with recommendations for an implementation plan is expected to be completed in 2017.

Service Improvements

- Service Improvement projects totaling \$3.855 million or 30.3% of total funding over the 10-year period, some
 of which is recovered from Development Charges.
 - Approximately \$1.542 billion or 12.1% has been allocated to implement the Basement Flooding Protection projects in 67 chronic basement flooding areas across the City.
- Funding is also included for the implementation of other water quality improvement projects from the City's Wet Weather Flow Master Plan to reduce and ultimately eliminate the adverse impacts of polluted stormwater and combined sewer overflows (CSOs) that are discharged from outfalls to the City's watercourses and the waterfront. These projects will achieve a measurable improvement in ecosystem health of the City's watersheds and waterfront, and improved water quality along the City's waterfront beaches and include:
 - ➤ The Don River and Waterfront Trunk / Combined Sewer Outfall (CSO) project with allocated funding of \$1.006 billion or 7.9% of the total.

➤ The Stormwater Management End of Pipe Facilities projects totalling \$211.222 million or 1.7% of total capital funding which are intended to address most of the storm sewer discharges to the waterfront and all but 9 of the 69 combined sewer overflow discharges in the City.

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

Growth Related

- Growth Related projects account for \$1.374 billion or 10.8% of the 10-Year Capital Plan's funding allocation.
- The largest projects in this category are the Trunk Watermain Expansion and Upgrade projects that will increase the hydraulic capacity in the Toronto Water supply system. Many of these projects are cost shared with the Region of York.
- The 2018-2027 Recommended Capital Budget and Plan allocates funding for the New Sewer Construction (\$63.058 million) and Trunk Sewer and Pumping Station projects (\$188.786 million), as well as New Service Connections (\$388.148 million) and Trunk Watermains (\$171.249 million) to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments. It also allocates funding to construct 2 new aeration tanks at the Ashbridges Bay Treatment Plant (\$157.150 million).

2018 Recommended Capital Budget and Future Year Commitments

Included as a sub-set of the 10-Year Capital Plan is the 2018 Recommended Capital Budget and Future Year Commitments, that consists of 2018 and future year cash flow for projects previously approved by Council; adjustments (Scope Change) to those previously approved projects; as well as new projects that collectively require Council approval to begin, continue or complete capital work.

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

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

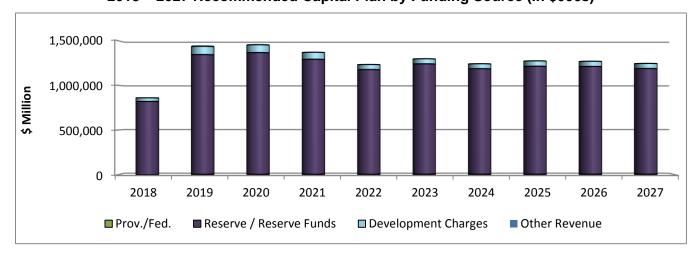
											Total 2018 Cash Flow &
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	FY Commits
Expenditures:											
Previously Approved											
Water Meter Program (AMR)	3,180	500	346								4,026
Basement Flooding	97,374	116,125	128,379	149,370	167,801	179,791	167,530	160,518	100		1,166,988
Business & Technology	21,767	16,620	12,168	1,471	460	350	107,550	100,010	100		52,836
Linear Eng	58,936	43,941	26,163	9,463	4,864	3,489	1,839	1,295	3,139		153,129
New Connections	35,200	-,-	,	.,	,	.,	,	,			35,200
New Sewers	13,240	12,230	5,000								30,470
Sewer Rehabilitation	64,633	24,236	1,736	1,700	1,700	150					94,155
Sewer Replacement	13,103	3,218	1,916	1,916							20,153
WM Rehabilitation	61,766	24,590	9,577	4,575	450	30	27				101,015
WM Replacement	47,057	22,789	10,129	2,306	33	73	40				82,427
Water Service Replacement	36,049	15,450	2,200								53,699
Pumping Stations	22,707	21,628	10,203	7,509	4,390	3,098	50				69,585
Trunk Water Mains	25,586	16,433	10,380	252	92						52,743
WT - Storage & Treatment	40,040	33,530	13,976	3,932	881	1,267	1,000	700	350		95,676
Trunk Sewers & Pumping Station	56,768	33,288	31,616	29,945	20,083	7,089	850	33	26		179,698
Ashbridges Bay TP	197,206	245,186	189,512	133,594	93,778	89,254	71,647	68,888	77,883		1,166,948
Highland Creek TP	40,849	51,806	37,559	21,273	6,449	5,200	7,430	5,200	11,950		187,716
Humber TP	82,234	52,181	50,595	34,249	27,920	10,650	2,300	394			260,523
RL Clark TP	12,630	11,252	4,454	60	35						28,431
RC Harris TP	23,335	6,706	767	213	150						31,171
FJ Horgan TP	4,180	2,480	237	20	49						6,966
Island TP	11,754	10,151	18,072	14,850	6,200	75	25	500	400		61,127
WTP-Plantwide	3,594	2,429	2,971	1,850	1,098	925	530	500	400		14,297
Water Effeciency Plan	520	520	35	10.040	10 200	17.765	27.061	6.600			1,075
WWF-Implementation Projects WWF-TRCA	24,765 1,000	35,034 350	42,030	19,840	19,286	17,765	27,061	6,600			192,381
WWF - Stream Restoration	8,319	7,015	4,060	3,515	2,035	1,485	310	295	120		1,350 27,154
Yards & Facility	4,225	2,108	2,209	858	2,033	1,465	310	293	120		9,400
rarus & ruemey	4,223	2,100	2,203	050							3,400
Subtotal	1,012,017	811,796	616,290	442,761	357,754	320,691	280,639	244,423	93,968		4,180,339
Change in Scope	, , ,	,		,	,	,		,			, , , , , , , , , , , , , , , , , , , ,
Water Meter Program (AMR)	(150)	(500)	(346)								(996
Basement Flooding	(54,296)	(2,927)	10,051	(8,033)	(28,899)	(23,403)	(20,260)	(12,518)	91,965	15,300	(33,020
Business & Technology	(13,931)	(3,200)	(505)	7,872	3,270	2,825	1,800				(1,869
Linear Eng	22,150	14,153	11,444	8,271	9,881	3,511	590	(590)	(1,000)		68,410
New Connections	(375)	12,323									11,948
New Sewers	(6,842)	(1,542)	3,450	6,500	2,300						3,866
Sewer Rehabilitation	7,464	51,141	34,780	6,543	5,743	(150)					105,521
Sewer Replacement	(7,131)	5,436	110		800						(785
WM Rehabilitation	16,637	48,434	9,517	(4,336)	(275)	(30)	(27)				69,920
WM Replacement	(38,865)	14,660	5,116	5,295	228	(2)					(13,568
Water Service Replacement	(1,573)	20,324	6,701	2,001							27,453
Pumping Stations	(10,295)	(1,978)	10,838	(2,026)		500	5				(2,956
Trunk Water Mains	(10,767)	14,868	16,095	2,525	250						22,971
WT - Storage & Treatment	(14,198)	4,464	10,053	6,781	(66)	(1,219)	(1,000)	(700)	(350)		3,765
Trunk Sewers & Pumping Station	(10,429)	20,770	25,872	41,201	19,693	2,268	(708)	(33)	(26)	46	98,608
Ashbridges Bay TP	(46,227)	(7,145)	42,096	48,978	44,036	14,397	1,079	3,362	(4,356)	10,384	106,604
Highland Creek TP	(15,528)	16,084	30,319	18,000	9,925	(445)	(1,090)	6,955	(410)	1,362	65,172
Humber TP	(38,914)	555	(6,860)	9,530	(2,053)	21,139	8,600	4,506	4,910	3,009	4,422
RL Clark TP	(2,330)	905	26	200	200						(999
RC Harris TP	(12,244)	10,670	6,160 2,935	2,034 1,240	1,100 195						7,720 3,964
FJ Horgan TP Island TP	(2,093)	1,252 5,387	6,492	5,207	3,075	125	175				18,368
WTP-Plantwide	(2,093)	2,079	1,897	3,270	1,783	22	202	(450)	(400)		6,164
Water Effeciency Plan	(2,239)	(75)	410	445	445	22	202	(430)	(400)		1,075
	(7,022)			10,521	(3,929)	(11,700)	(20,050)	(1,260)	9,600	33,200	10,989
WWF-Implementation Projects WWF-TRCA	12,832	(2,787) 450	4,416	10,521	(3,929)	(11,700)	(20,050)	(1,200)	9,000	53,200	13,282
WWF - Stream Restoration	(5,492)	28	1,660	701	(97)	(272)	160	(115)	(15)	70	(3,372
Yards & Facility	(1,649)	477	516	1,642	400	(2/2)	100	(113)	(12)	70	1,386
raras & racinty	(1,049)	4//	310	1,042	400						1,380
Subtotal	(245,315)	224,306	233,243	174,362	68,005	7,566	(30,524)	(843)	99,918	63,325	594,043

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

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

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

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



- Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% funded and does not require debenture financing.
- The 10-Year Recommended Capital Plan of \$12.724 billion will be funded primarily from the Program's reserves, representing approximately 94% or \$11.993 billion of total capital financing.
 - Capital funding from Toronto Water reserves increases from \$820.371 million in 2018 to \$1.362 billion in 2020. This increase in reserve funding coincides with the implementation schedules for large capital projects such as the Ashbridges Bay Waste Water Treatment Plant disinfection and outfall construction projects, the Highland Creek Biosolids project and Basement Flooding Protection projects.

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

State of Good Repair (SOGR) Backlog

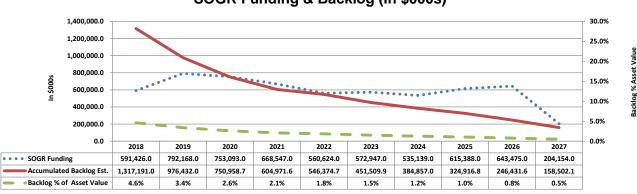


Chart 4
SOGR Funding & Backlog (In \$000s)

- By the end of 2017, the replacement value of Toronto Water's assets is estimated at \$28.561 billion incorporating both linear (watermains, sewers) and facility/plant (water treatment plants, wastewater treatment plants, pumping stations) assets.
 - > Linear infrastructure assets represent approximately 74% of the total asset value at \$21.250 billion.
 - Facility/plant assets account for the remaining 26% or \$7.310 billion.
- The 2017 year-end backlog of state of good repair work for linear and plant infrastructure renewal is projected at \$1.482 billion, representing 5.2% of the asset replacement value. Approximately 53% or \$0.790 billion of the backlog relates to linear infrastructure, with the remaining 47% or \$0.692 billion representing facilities.
- The linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates have been periodically updated to reflect changes in unit rates for replacement and the changing condition of the asset.

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

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

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

- While both categories of assets have historically received funding for state of good repair projects, the accumulated backlog of projects for linear infrastructure has been addressed at a higher rate, resulting in a proportionally lower backlog representing 3.7% of its replacement value at the end of 2017, compared to 9.5% for facilities.
- Additional condition assessments of infrastructure continue to be undertaken based on asset classes through discrete projects. The condition assessment of booster pumping stations and sewer pipes was completed in 2014 and has resulted in the addition of a pumping station rehabilitation plan to Toronto Water's 10 year Capital Plan in 2015.
- Condition assessments of sewage pumping stations continue to be undertaken on a prioritized basis and a facility condition assessment is being undertaken and is expected to be completed in 2018.
 - New methods for inspection of pressurized pipe are being explored to assess condition of assets without taking the pipes out of service during the inspection.
- In addition to condition assessments, Toronto Water is also undertaking a review to define its requirements to develop an integrated Asset Management Solution. This review is expected to be completed in 2017. The integrated Asset Management solution will support further development of its Asset Management Plans.
- It should be noted that continued trend of higher unit rates for linear infrastructure replacement projects may impact negatively on the state of good repair backlog for infrastructure renewal.
- Escalating unit rates for linear infrastructure replacement, due to additional funding requirement for those projects, have already resulted in a deferral of some previously planned capital projects by 1 to 5 years, to align with the funding availability projected by the Water and Wastewater Rate Model. Toronto Water has also modified the infrastructure renewal strategy to expand the use of trenchless rehabilitation to reduce the state of good repair backlog.

10-Year Capital Plan: Net Operating Budget Impact

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

	2018	Budget	201	L9 Plan	2020 F	Plan	202	1 Plan	2022	2 Plan	2018	- 2022	2018	- 2027
Projects	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
Ashbridges Bay WWTP - Ferrous														
Upgrades	(180.0)										(180.0)		(180.0)	
Ashbridges Bay WWTP - D Building														
Phase 2									165.0		165.0		165.0	
Basement Flooding Releif - Tunnel														
Project							100.0				100.0		100.0	
Basement Flooding Releif - Group 2			206.0	2.0	87.2	1.0					293.2	3.0	293.2	3.0
Laboratory Equipment (Warranty Expiry)			25.0		35.0		15.0		50.0		125.0		175.0	
Highland Creek WWTP - Odour Control			100.0								100.0		100.0	
Ashbridges Bay WWTP - Service Air														
Upgrades	50.0										50.0		50.0	
CCTV Inspection	15.0										15.0		15.0	
Sewer Replacement Program -														ì
Waterfront Stormwater Infrastructure			160.6	2.0	76.2	1.0					236.8	3.0	236.8	3.0
Highland Creek WWTP - Proces & Facility			100.0	2.0	70.2	1.0					250.0	3.0	250.0	3.0
Upgrades			5.0								5.0		5.0	
Highland Creek WWTP - Communication			3.0								3.0		3.0	1
Systems			10.0								10.0		10.0	
Humber Treatment WWTP - New			10.0								10.0		10.0	1
Substation	105.0	1.0									105.0	1.0	105.0	1.0
	105.0	1.0									105.0	1.0	105.0	1.0
Ashbridges Bay WWTP - Liquid														
Treatment & Handling - Primary	025.0		2000	4.0	400.0		4000				4 225 0		4 225 2	2.0
Treatment Upgrade	825.0		200.0	1.0	100.0	1.0	100.0				1,225.0	2.0	1,225.0	2.0
Ashbridges Bay WWTP - Liquid														
Treatment & Handling - Waste Activated														
Sludge Upgrade	620.0				(620.0)				1,700.0		1,700.0		1,700.0	
Ashbridges Bay WWTP - O & M														
Upgrades			161.9		(12.0)						149.9		149.9	
Ashbridges Bay WWTP - Odour Control -														
Biofilters Upgrade	100.0										100.0		100.0	
Island WTP - Chemical & Residuals														
Management	(39.0)		-		99.9	1.0					60.9	1.0	60.9	1.0
Water Treatment Plantwide - UV														
Desinfection							120.0		288.0		408.0		408.0	
SWM End of Pipe Facilities - Etobicoke							50.0				50.0		50.0	
Wet Weather Flow Master Plan			115.0				50.0				165.0		165.0	
Ashbridges Bay WWTP - Desinfection														
System Construction					712.1	2.0	413.0				1,125.1	2.0	1,125.1	2.0
Ashbridges Bay WWTP - Liquid						1								
Treatment & Handling - Integrated						1								
Pumping Station													1,000.0	
New Projects - Future Years	l													
Humber WTP - Odour Control	l													
Engineering					550.0						550.0		550.0	
North Toronto WTP - Treatment Plant	l													
Improvements					466.0						466.0		466.0	
Total (Net)	1,496.0	1.0	983.5	5.0	1,494.4	6.0	848.0		2,203.0		7,024.9	12.0	8,074.9	12.0

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

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

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

Year 2019: An increase in operating costs in the amount of \$0.984 million mostly due to the operating impact of capital projects at Ashbridges Bay Wastewater Treatment Plant, the Highland Creek Wastewater Treatment Plant odour control project, the Water Quality Master Plan's taste and odour projects, the Waterfront/ East Bayfront sewer replacement projects and various Basement Flooding projects.

- 2 new positions each will be needed to maintain new infrastructure resulting from the Waterfront/East Bayfront sewer replacement projects and Basement Flooding Program projects. Another position is required for primary treatment and other operating upgrades at Ashbridges Wastewater Treatment Plant, for a total of 5 new positions.
- Year 2020: Additional operating costs of \$2.126 million are anticipated from the implementation of the Ashbridges Bay disinfection and primary treatment upgrades, Humber Wastewater Treatment Plant odour control project and improvements at North Toronto Wastewater Treatment Plant, as well as the Island Water Treatment Plant chemicals and residual management. These costs will be partially offset by savings from implementation of liquid treatment capital projects and other upgrades at Ashbridges Bay Wastewater Plant (\$0.632 million), resulting in a net increase of \$1.494 million.
 - 3 new positions will be required to maintain new infrastructure resulting from Ashbridges Wastewater Treatment Plant capital projects (disinfection system and liquid treatment and handling). An additional one position each will be needed to maintain new infrastructure resulting from the Waterfront/East Bayfront sewer replacement projects, Basement Flooding Program projects and Island Water Treatment Plant chemical and residual management facility, for a total of 6 new positions.
- Years: 2021 to 2025. The operating cost increase of \$4.101 million is comprised of funding to sustain variety
 of capital projects as presented in the table above. There will be no need for additional positions.

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

Table 6
Capital Project Delivery: New Temporary Positions

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

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

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

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

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

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



Part 2: Issues for Discussion

Issues for Discussion

Issues Impacting the 2018 Capital Budget

2018 Water Consumption Forecast

Over the last ten years, water consumption has continued to decline, despite population growth. Besides
weather conditions, the decline in water consumption is attributed to water efficiency measures and economic
factors. Toronto's water consumption has declined from 374 in 2005 to 327 million cubic metres at the end of
2015.

- In 2016 and 2017, water consumption levels have been impacted by extreme swings in precipitation.
 - Although 2016 water consumption was projected to decline further due to unexpectedly dry and warm summer weather conditions, actual water consumption exceeded 2015 actual consumption by almost 2%. This was the first year in over a decade with an increase in water consumption.
 - ➤ In contrast, available billing data to the end of August 2017, shows a significant drop in actual water consumption compared to the same period of 2016, as a result of a cooler, wet spring and summer, with record breaking rainfall experienced during the first 5 months. The summer consumption in 2017 was the lowest in the summer months over the last 10 years 3% lower than in 2015 and 7% lower than in 2016.
- In order to mitigate the impact of irregular weather patterns that occurred in 2016 and 2017, the water consumption projections are based on the 2015 actual consumption. The 2017 projected year-end consumption is estimated at 320 million cubic metres or 2.5% below 2015 actual consumption and 1.2% lower than budgeted consumption, applying a 0.5% decrease a year.
- Similar to previous years, the 2018 Water and Waste Water Model continues to assume that the 2018 and future year water consumption (2019-2027) will continue to decline at a moderate annual rate of 0.5%:
- Given the above, uncertainty in revenues from the sale of water continues to be a challenge for Toronto Water, especially given that a 1% variance in water consumption estimates would have an \$11.6 million impact on anticipated annual sale of water revenues.

Water Rate Increases & Reserve Balances

- Council, as part of the 2015 Budget process, approved the direction that for planning purposes the 10-Year Capital Plan be based on 8% water and wastewater consumption rate increases for 2015 and 2016, followed by successive 5% increases in 2017 and 2018, and 3% thereafter, in order to reinstate approximately \$1 billion in capital funding lost from a systematic decline in consumption, and to fund emerging projects.
- For 2018, Toronto Water's 10 Year Capital Plan has been updated to enable it to deliver on key priorities, while also addressing emerging service improvement projects. In order to provide the necessary revenue stream for the 2018-2027 Recommended Capital Budget and Plan and in accordance with the Council decision from 2015, the following rate increases are incorporated in the 2018 Water and Wastewater Rate Model:
 - > 5% in 2018.
 - > 3% from 2019 to 2027.
- The following should be noted:

➤ Based on the above water consumption and water and wastewater rates, sufficient revenues will be generated to fund the 2018-2027 Capital Budget and Plan, leaving a positive capital financing reserve balance of \$83.4 million at the end of the 10-year period.

- Unit rate pricing for linear infrastructure replacement has escalated in recent years, requiring additional funding to cover these increased project costs. As a result, the Program has deferred some previously planned capital projects by 1 to 5 years, to align with the Water and Wastewater Rate Model financial projections of available rate funding. This trend, if it continues, will not only significantly impact the state of good repair backlog for infrastructure renewal, but possibly create funding pressures in future years.
- ➤ Toronto Water's 10-Year Capital Plan includes forecasted funding for the expanded TRCA Watercourse Erosion Control project for a total of \$75.0 million to be spent between 2019 and 2027. It is assumed that 2/3 (\$50.0 million) will be funded by other orders of government. This funding has yet to be secured.
- The 10-Year Capital Plan does not include any funding for unmet need projects identified by TRCA during the 2018 Budget process.
- > Should any of the above funding be added to the 10-Year Capital Plan, the 2027 year-end capital financing reserve fund balance would be significantly reduced, if not depleted.
- Also, based on the fact that the reserve balance decreases to approximately \$14.9 million in 2025, as some of the largest multi-year projects are nearing completion, any further decline in water consumption would require an adjustment to the 10-Year Capital Plan's projects.

Issues Impacting the 10-Year Capital Plan

Review of Capital Projects and Spending

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

Stage Gating

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

State of Good Repair (SOGR) Backlog

 Toronto Water currently has a significant infrastructure renewal backlog, higher than any other major Canadian urban centre. It has the largest asset base in the country, estimated at \$28.561 billion with some infrastructure dating back to the 1800s.

However, some of the City's oldest pipes (100 years or older) are still performing well. As Toronto Water plans for the renewal of aging infrastructure, a risk based mitigation approach is taken that considers infrastructure age, condition and performance assessment, and analysis on upsizing infrastructure, which may be required to service future growth, and opportunities to reduce overall costs.

- Some key initiatives used to identify Toronto Water's State of Good Repair needs include:
 - > Water Loss Reduction Program which includes leak detection surveys on distribution water mains that indicates the condition and performance of the watermain.
 - Closed camera TV (CCTV) inspection program that utilizes closed camera technology to assess the condition of sanitary and storm sewers.
- The projected 2017 year-end value of the infrastructure renewal backlog is estimated at \$1.482 billion, reflecting 5.2% of Toronto Water's total asset value of \$28.561 billion. This is based on a detailed analysis of current condition assessments and assumptions of service life by linear asset class, coupled with assessments of water and wastewater treatment facilities.
- Condition assessments of infrastructure by asset class continue to be reviewed and updated. In addition to
 the condition assessments, Toronto Water is undertaking a review to define its requirements for an integrated
 Asset Management Solution to support further development of its Asset Management Plans.
- The 10-Year Recommended Capital Plan State of Good Repair funding totals \$6.210 billion that averages \$621 million annually over the 10 year period. This level of funding will contribute towards reducing the watermain and sewer break rates. If the state of good repair backlog remains unchanged, the year-end backlog of \$1.482 billion in 2017 will be effectively eliminated by the end of 2027.
- A continued trend in escalating unit rate pricing for linear infrastructure will significantly impact the state of good repair backlog for infrastructure renewal as project deferral is required to align with projected funding.
 These unit rates are mostly impacted by construction industry capacity to deliver projects across the City.
- The Program's State of Good Repair Backlog analysis excludes stormwater management facilities (stormwater ponds and underground storage tanks) as they are relatively new assets and does not include stream restoration from erosion scars. A condition assessment of stormwater ponds is being undertaken to determine long term state of good repair requirements. Restoration of watercourses is planned on a priority basis to protect existing infrastructure and in coordination with the Toronto Region Conservation Authority based on site conditions resulting from extreme weather events.

Basement Flooding

- In April 2006, City Council approved a Basement Flooding Protection Work Plan (now referred to as the Basement Flooding Protection Program) to undertake comprehensive engineering studies in 31 basement flooding study areas that experienced significant flooding during extreme storms in May 2000 and August 2005.
- New service level standards were adopted, requiring storm drainage systems to accommodate a 1 in 100 year return frequency storm event, up from the current 1 in 2 to 1 in 5 year return frequency storm.
- Between 2006 and 2015, the number of study areas in the City was increased to 67 study areas and in response to additional storm events and new occurrences of basement flooding, City Council approved the city-wide expansion of the Basement Flooding Protection Program.
- In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that delivers more effectively a larger number of infrastructure improvements, and meet the needs of the city-wide expansion of the Program.
- As of the end of October 2017, Basement Flooding Environmental Assessment (EA) studies for 32 basement flooding study areas have been completed. These EA studies investigate the causes of basement and surface flooding and recommend sewer system improvements to reduce the risk of future basement flooding

during extreme storms. Another 11 studies are ongoing, one study is scheduled to be completed by the end of 2017, 8 studies are anticipated to be completed in 2018 and 2 studies are planned for completion in 2020.

- The construction of basement flooding protection projects began in 2009. Many challenges exist with the implementation of works recommended by the EA studies. Retrofitting an area to accommodate the higher level of storm drainage and overland flow controls in existing fully developed areas present the most significant challenge in terms of cost, scheduling and disruption to the local communities.
 - ➤ By the end of 2017, \$349 million will have been spent to upgrade storm and sanitary sewers and other related infrastructure to meet the enhanced level of service requirements required under the Basement Flooding Protection Program. A further \$24.6 million in construction projects has been committed.
- The 2018 2027 Recommended Capital Budget and Plan includes \$1.542 billion in funding for Basement Flooding Protection Program projects. Despite this level of funding, Toronto Water will continue to face the following challenges:
 - There are increasing demands and high expectations for the further acceleration of basement flooding EA studies and implementation of projects by residents and businesses as a result of the tremendous impacts of basement flooding during extreme weather events.
 - Some of the recommended basement flooding protection projects from completed basement flooding EA studies have a cost that is greater than the Council adopted threshold of \$32,000 per benefitting property, and therefore these projects are not proceeding to engineering design and construction.
- The cost to implement basement flooding protection projects across all 67 study areas need to be continuously updated, as basement flooding EA studies are completed and new works are recommended.

Stream Restoration and Critical Erosion Projects

- As a part of its Stormwater Management Program, Toronto Water provides an annual funding contribution to the Toronto and Region Conservation Authority (TRCA) for stream restoration and erosion control projects. The 2018-2027 Capital Budget and Plan allocates a total of \$152.344 million over a 10-year period, as Toronto Water continues to support the TRCA's efforts in watercourse management.
- Toronto Water's 2018-2027 Recommended Capital Budget and Plan also includes further funding of \$95.545 million over the next 10 year horizon for stream restoration and erosion management to carry out work to protect its own infrastructure in valley lands.

Funding Pressures for Stormwater Management

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

Instead, the recommendations of the report directed the General Manager, Toronto Water and the Deputy City Manager & Chief Financial Officer to consult with all stakeholders and report back to Executive Committee in the spring of 2019 with a review of the water rate structure as it pertains to identifying fixed-cost elements that would be appropriate to charge as fixed-charges; recovering costs of stormwater management from properties that do not have water accounts; incentivizing stormwater management on large properties; and attracting and retaining the manufacturing sector in Toronto.

The recommendations also directed staff to assess the state of technology relevant to the viability of automated geographic information system (GIS) analysis of stormwater runoff contributions from properties across Toronto and to periodically report back during the annual budget process with findings of this assessment.

Other Challenges

- Planning for Extreme Weather Events
 - Due to the extreme cold weather events, Toronto Water experienced an unprecedented number of watermain breaks, leaking and frozen water services, not seen in 20 years, resulting in additional funding requirements in 2014 and 2015. Planning and preparing for an adequate response during extreme weather events remains to be a challenge for Toronto Water. This process is currently underway.
- Planning for Growth
 - The City of Toronto is experiencing significant growth with many landowners submitting development applications to increase the density permitted by the zoning-by-law.
 - ➤ The 10-Year Capital Plan includes \$641.146 million in funding for the growth related share of projects that were eligible for development charge funding. Due to insufficient funding collected through development charges, an additional \$200.0 million will be contributed from Toronto Water's capital financing reserves to accommodate implementation of the growth related component.
 - A strategy is required to ensure that water and wastewater services are available for the new developments since the above funding model will not be sustainable in the future.

Unmet Needs: TRCA Unfunded Projects

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

➤ To date, TRCA has not provided detailed business cases and/or prioritized unmet needs project list eligible for Toronto Water's funding and/or a breakdown of the \$100 million waterfront rehabilitation project by priority (critical, required, preventative or pro-active measures).

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

Issues Referred to the 2018 Capital Budget Process

There are no issues referred to the 2018 Budget Process.



Appendices

Appendix 1 2017 Performance

2017 Key Accomplishments

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

Water Treatment & Supply

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

Wastewater Collection and Treatment

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

Stormwater Management

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

2017 Financial Performance

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

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

^{*} Based on 2017 Second Quarter Capital Variance Report

For additional information regarding the 2017 Q2 capital variances and year-end projections for Toronto Water please refer to the attached link for the report entitled "Capital Variance Report for the Six-Month Period Ended June 30, 2017" considered by City Council at its meeting on October2, 3 and 4, 2017.

http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2017.EX27.18

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

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

A detailed review of the 2018 – 2027 Recommended Capital Budget and Plan has been conducted and the necessary adjustments have been made to the timing of cash flow funding for unique and major capital projects such as Ashbridges Bay, Highland Creek and Humber Wastewater Treatment Plant upgrades, watermain and sewer replacement projects, basement flooding and wet weather flow implementation projects totalling \$321.933 million.

➤ By deferring the cash flow funding to future years, the 2018 Recommended Capital Budget reflects readiness to proceed and will lead to a higher rate of spending.

Appendix 2
2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan (\$000s)
(Including Carry Forward Funding)

March School Carl															
New Processor	Droingt			2019	2010	2020	2021	2022		2022	2024	2025	2026	2027	2018 - 2027 Total
Interlange Proper 160 1,684 5,215 2,085 1,585 21 10,585 1,585	-	Cost	roiwaiu	2010	2019	2020	2021	2022	2022	2023	2024	2025	2020	2027	Total
American P 207 227 238 248 259 249 249 249 249 249 249 249 249 249 24			40	1 601	E 21E	2.062	1 505	21	10 610						10 610
Selection 1								31							
	number 1P		207	2,219	3,380	23	23		5,852						5,852
Water force physicine 5.596 39,655 54,616 41,301 41,305 22,974 43,50 41,750 41,750 41,750 42,750 41,750 42,750			247	3,903	8,595	2,086	1,608	31	16,470						16,470
Pumping patrons															
No. 5. Surgey & Terriment 4 100 100 100 200 200 100															
Addedges for 77 1,288 37,611 11,092 12,068 11,109 11,075 11,075 10,599 51,592 55,175 37,716 35,969 65 44,647 44,001 12,001 13,001						9,025	8,481	7,090		6,123	4,305	8,700	6,925	6,250	
Page															
Part	Ashbridges Bay TP														
Second Property Second Pro	Highland Creek TP		222			14,019	8,532	50		400	1,000	6,500	11,300	10,550	70,227
	Humber TP		1	2,981	1,000				3,982						3,982
sub-Total 10,141 114,072 188,771 100,991 188,701 104,672 976,777 101,148 86,771 98,466 98,500 5,800 1,278,640 tatal of Good Regal: 5 150 70 70 226 120 120 327 320 Lower Fragion 8,447 8,968 89,282 79,283 75,386 64,288 73,001 65,000 64,000 69,500 64,400 69,900 76,001 76,000	RL Clark TP		8	2,875	2,750				5,633						5,633
State of Good Repair. Whereas R Perchology 3,447 3,467	Island TP		2,969	1,111	2,800	15,900	18,980	8,250	50,010	200	200				50,410
State of Good Repair. Whereas R Perchology 3,447 3,467															
Balance S. Februshops	Sub-Total		10,143	114,629	188,721	209,893	188,769	164,632	876,787	105,148	86,471	93,646	59,540	58,050	1,279,642
	State of Good Repair:														
Lincot fog	Business & Technology			6	160		78	80	324						324
Seene Replaciformor			3,447	81,966	89,622	79,783	75,594	73,886	404,298	75,061	65,894	66,758	75,725	69,487	757,223
Somer Repforement	Sewer Rehabilitation														676,212
With Repulsements 1,1511 78,588 75,699 17,158 175,698 17,159 17,1															174,785
With Replicacement 12,817 41,622 139,020 106,880 89,533 441,825 89,000 99,000															742,961
Pumping Statesies			.,			,===	,	,		,	,	,	,	,	
Track Vierne Nations 3,00 8,197 6,244 3,350 2,100 14,450 377,38 25,000 27,000 21,750 25,575 15,255 162,988 Vierne National Process of Property 3,651 1,991 15,004 57,354 40,005 8,006 164,248 9,346 13,150 22,757 35,585 161,808 27,848 27,844 24,672 15,757 15,151 13,122 6,005 37,838 43,006 43,0			108			11 289	2 022	3 760		7 935	7 8 7 5	6.815	4 260	3 550	
WF-Storoge & Teatment 3,451 19,991 35,041 57,354 40,205 8,206 16,248 2,988 13,150 25,700 35,585 16,330 264,835 March Sewer & Pumping Stations 1,471 45,840 33,995 57,588 71,196 43,010 17,936 61,888 127,216 100,750 134,794 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 141,077 69,999 1,192,724 1,192															
Trun's Severe & Pumping Stations 1,471 45,840 53,989 57,538 71,196 48,301 278,344 24,672 15,872 19,515 11,222 6,205 37,388 Auchindrighe Bary 7,799 88,776 14,227 14,2297 24,2291 31,164 107,66 618,888 11,210 10,050 13,476 41,1077 69,999 1,192,276 14,1077 14,10															
Ashbridge Boy TP 811 14,147 15,121 45,999 811 14,147 15,121 45,999 811 14,147 15,121 45,999 811 14,147 16,149 811 14,147 16,149 811 14,147 16,149 811 14,147 16,149 811 14,147 16,149 811 14,147 16,149 811 14,147 16,149 81,147 16,149 16,140	-														
### Hisphard Creek P** 811 14,147 51,121 45,999 24,115 12,550 18,840 10,140 15,840 23,455 24,890 7,862 237,038 17,200 38,000 14,101 45,359 33,001 17,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 37,001 45,359 45,000 47,001 45,359 45,000 47,001 45,359 45,000 47,001 45,359 45,000 47,001 45,359 45,000 47,001 45,359 45,000 47,000															
Humber IP															
Ri Clark TP															
RC Horns TP															
Filestann TP 166 18,809 1,724 1,522 8,25 678 6,724 202 202 200 200 200 7.02 7.02 1.034 1.034 7.034 7.034															
1.132 7,498 11,94 7,981 382 625 28,712 3,275 525 375 525 375 33,787															
WWW-Information Projects 580 7,337 9,050 9,677 3,015 4,866 34,245 1,500 4,000 4,000 4,000 6,000 53,745 WWW-Stream Resolution 1,773 2,827 9,548 9,521 8,386 10,729 42,474 7,584 4,696 11,541 16,321 14,222 9,731 12,174 7,755 7,755 7,975 7,9															
WWF-Stream Restoration 1,773 2,827 9,548 9,521 8,386 10,729 42,884 7,584 4,696 11,541 10,321 14,292 97,318 troubs Arounds & Foolity 1,885															
Sub-Total 52,004 \$39,022 792,168 753,093 668,547 \$60,624 3,365,858 \$72,947 \$351,393 615,388 643,475 \$29,669 \$6,262,475 \$evice Improvements: Water Matter Program (AMR)															
Sub-Total 52.04 539.02 792.168 753.093 668.547 560.624 3.865.888 572.947 535.139 615.388 643.475 529.669 6.262.475 Service Improvements:			1,773												
Service Improvements	Yards & Facility			535	337	767	1,733	1,377	4,749	1,485	1,485	1,485	1,485	1,485	12,174
Service Improvements															
Mater Mater Program (AMR)			52,404	539,022	792,168	753,093	668,547	560,624	3,365,858	572,947	535,139	615,388	643,475	529,669	6,262,476
Basement Flooding 18,176 43,078 113,279 139,113 153,223 152,216 619,085 172,730 175,891 183,651 197,997 211,663 134,670															
Busines & Technology 1,010 7,830 15,060 12,993 11,946 7,584 56,823 6,069 4,569 2,714 1,814 1,814 73,000 2,715 2,025 3,075 3,175 4,087 7,175 8,975 8,975 8,975 7,975 7,975 7,975 2,705 2,000 2,483 1,624 7,000 7,931 1,164 7,800 3,72 1,165 2,025 3,075 3,175 4,077 4,077 4,077 7,175 8,975 8,975 7,975 7,975 7,975 4,507 7,077 7,000 7,975 7,															
Linear Eng Sever Replacement 400 2,483 1,525 2,025 3,075 3,175 4,075 14,487 7,175 8,975 7,975 55,662 55ever Replacement 400 2,483 1,624 4,00 4,507 7,00 4,00 4,00 4,00 4,00 4,00 4,00 4,	Basement Flooding							152,216		172,730			197,997	211,263	
Sewer Replacement	Business & Technology		1,010	7,830	15,060	12,993	11,946	7,584	56,423	6,069	4,569	2,714	1,814	1,814	73,403
Pumping Stations	Linear Eng			1,765	2,025	3,075	3,175	4,075	14,487	7,175	8,975	8,475	7,975	7,975	55,062
Trunk Water Moins 26	Sewer Replacement		400	2,483	1,624				4,507						4,507
## Storage & Treatment	Pumping Stations		10	231	512				753						753
Asabridges Bay TP Highland Creek TP 136 4,635 5,544 10,060 31,126 28,670 80,171 32,115 44,000 44,200 33,070 29,100 262,656 Humber TP 410 1,676 6,641 7,990 8,974 9,177 34,868 7,500 Humber TP 6265 3,269 7,226 1,558 RC Hardis TP 107 12,108 2,325 1,010 6,636 RC Hardis TP 108 1,052 1,644 833 695 650 5,352 MTP-Plantwide 931 1,425 9,783 29,073 42,990 55,221 139,423 44,397 20,832 9,420 10,420 3,375 227,865 MWF-Implementation Projects 2,033 34,706 107,132 11,7754 123,866 106,881 502,309 134,315 151,381 149,240 140,690 201,470 1,279,400 140,400 140,219 140,337 14,83 15,958 16,082 16,209 16,339 16,473 152,544 14,374 14,219 14,337 14,83 15,958 16,082 16,209 16,339 16,473 152,544 14,345 151,345 149,240 140,690 201,470 1,279,400 14,000	Trunk Water Mains		26	699	5,357	4,625	91	92	10,890						10,890
Highland Creek TP	WT - Storage & Treatment		5,363	5,927	10,063	3,425	33	14	24,825						24,825
Humber TP	Ashbridges Bay TP		429	7,331	11,162	12,206	8,323	10,775	50,226	2,175	1,250	1,050	21,300	46,865	122,866
Humber TP			136	4,635	5,544	10,060	31,126	28,670	80,171	32,115	44,000	44,200	33,070	29,100	262,656
RC Harris TP															42,368
Fl Horgan TP	RC Harris TP							., .		,					12,678
Island TP	FJ Horgan TP						1.010								6,363
WTP-Plantwide 931 1,425 9,783 29,073 42,990 55,221 139,423 44,397 20,832 9,420 10,420 3,375 227,867 WWF-Inflementation Projects 2,030 34,706 107,132 127,754 123,806 106,881 502,309 134,315 151,381 149,240 140,690 201,470 1,279,405 WWF-TRCA 200 13,832 14,791 14,104 14,219 14,337 71,483 15,958 16,082 16,209 16,339 16,473 152,944 Yords & Facility 250 4,245 10,985 9,580 3,105 1,005 29,170 605 805 806 806 806 806 806	Island TP														5,352
WWF-implementation Projects 2,030 34,706 107,132 127,754 123,806 106,881 502,309 134,315 151,381 149,240 140,690 201,470 1,279,405 WWF-TRCA 200 13,832 14,791 14,104 14,219 14,337 71,483 15,958 16,082 16,339 16,473 152,544 Yards & Facility 250 4,245 10,985 9,580 3,105 1,005 29,170 605 605 605 605 605 9,055 40,645 Sub-Total 31,323 137,927 324,936 378,714 402,716 390,697 1,666,313 423,039 423,585 415,564 430,210 527,390 3,886,101 Growth Related: 1 1 1 1 1 150						833	מצמ	650	5.352						
WWF-TRCA 200 13,832 14,791 14,104 14,219 14,337 71,483 15,958 16,082 16,209 16,339 16,473 152,544 Yords & Facility 250 4,245 10,985 9,580 3,105 1,005 29,170 605 605 605 605 9,055 40,645 Sub-Total 31,323 137,927 324,936 378,714 402,716 390,697 1,666,313 423,039 423,585 415,564 430,210 527,390 3,886,101 Growth Related: 1 <td></td> <td></td> <td>931</td> <td>1.425</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>44.397</td> <td>20.832</td> <td>9.420</td> <td>10.420</td> <td>3.375</td> <td></td>			931	1.425						44.397	20.832	9.420	10.420	3.375	
Yards & Facility 250 4,245 10,985 9,580 3,105 1,005 29,170 605 605 605 605 605 9,055 40,645					9,783	29,073	42,990	55,221	139,423						
Sub-Total 31,323 137,927 324,936 378,714 402,716 390,697 1,666,313 423,039 423,585 415,564 430,210 527,390 3,886,101 Growth Related: Unear Eng 310 252 807 150 150 150 150 150 150 150 150 150 150	WWF-Implementation Projects		2,030	34,706	9,783 107,132	29,073 127,754	42,990 123,806	55,221 106,881	139,423 502,309	134,315	151,381	149,240	140,690	201,470	1,279,405
Growth Related:	WWF-Implementation Projects WWF-TRCA		2,030 200	34,706 13,832	9,783 107,132 14,791	29,073 127,754 14,104	42,990 123,806 14,219	55,221 106,881 14,337	139,423 502,309 71,483	134,315 15,958	151,381 16,082	149,240 16,209	140,690 16,339	201,470 16,473	1,279,405 152,544
Growth Related:	WWF-Implementation Projects		2,030 200	34,706 13,832	9,783 107,132 14,791	29,073 127,754 14,104	42,990 123,806 14,219	55,221 106,881 14,337	139,423 502,309 71,483	134,315 15,958	151,381 16,082	149,240 16,209	140,690 16,339	201,470 16,473	1,279,405
Unear Eng 310 252 807 150 150 1,819 150 150 150 150 2,565 New Connections 34,825 37,323 38,000 38,000 38,000 41,00	WWF-Implementation Projects WWF-TRCA Yards & Facility		2,030 200 250	34,706 13,832 4,245	9,783 107,132 14,791 10,985	29,073 127,754 14,104 9,580	42,990 123,806 14,219 3,105	55,221 106,881 14,337 1,005	139,423 502,309 71,483 29,170	134,315 15,958 605	151,381 16,082 605	149,240 16,209 605	140,690 16,339 605	201,470 16,473 9,055	1,279,405 152,544 40,645
New Connections 34,825 37,323 38,000 38,000 186,148 38,000 41,000 7,500 73,568 WM Replacement 2,862 14,474 51,375 34,372 26,433 18,133 147,649 18,071 18,040 19,000 19,000 240,760 Pumping Stations 494 6,323 20,700 22,710 20,136 18,000 88,363 18,300 14,300 20,845 17,635 12,300 171,743 WT- Storage & Treatment 13 174 140 1,000 2,000 3,327 3,000	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total		2,030 200 250	34,706 13,832 4,245	9,783 107,132 14,791 10,985	29,073 127,754 14,104 9,580	42,990 123,806 14,219 3,105	55,221 106,881 14,337 1,005	139,423 502,309 71,483 29,170	134,315 15,958 605	151,381 16,082 605	149,240 16,209 605	140,690 16,339 605	201,470 16,473 9,055	1,279,405 152,544
New Sewers 732 7,398 12,688 9,450 7,500 3,300 41,068 1,000 6,000 9,000 9,000 7,500 73,568 WM Replacement 2,862 14,474 51,375 34,372 26,433 18,133 147,649 18,071 18,040 19,000 19,000 19,000 240,760 Pumping Stations 494 6,323 20,700 22,710 20,136 18,000 88,363 18,300 14,300 20,845 17,635 12,300 171,743 WT - Storage & Treatment 13 174 140 2,710 20,136 18,000 88,363 18,300 14,300 20,845 17,635 12,300 171,743 WT - Storage & Treatment 13 174 140 2,710 2,100 2,000 3,327 3,000 2 2,845 17,635 12,300 171,743 WT - Storage & Treatment 13 174 140 2,700 2,000 3,327 3,000 52,400 52,400	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related:		2,030 200 250 31,323	34,706 13,832 4,245 137,927	9,783 107,132 14,791 10,985	29,073 127,754 14,104 9,580 378,714	42,990 123,806 14,219 3,105 402,716	55,221 106,881 14,337 1,005	139,423 502,309 71,483 29,170 1,666,313	134,315 15,958 605 423,039	151,381 16,082 605 423,585	149,240 16,209 605 415,564	140,690 16,339 605 430,210	201,470 16,473 9,055 527,390	1,279,405 152,544 40,645 3,886,101
WM Replacement 2,862 14,474 51,375 34,372 26,433 18,133 147,649 18,071 18,040 19,000 19,000 19,000 240,760 Pumping Stations 4,625 6,411 4,907 3,430 4,265 23,638 1,975 10 20,000 19,000 19,000 19,000 19,000 240,760 25,623 1,975 10 20,000 13,000 11,000 20,000 83,633 18,300 14,300 20,845 17,635 12,300 171,743 WT - Storage & Treatment 13 174 140 1,000 2,000 3,327 3,000 52,400 52,400 52,400 52,200 51,900 303,606 Ashbridges Bay TP 200 800 2,500 4,500 4,000 6,300 18,300 64,000 66,000 10,350 300 20 159,150 Highland Creek TP 10 190 800 500 1,500 1,500 1,500 1,500 1,500 1,50	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng		2,030 200 250 31,323	34,706 13,832 4,245 137,927	9,783 107,132 14,791 10,985 324,936	29,073 127,754 14,104 9,580 378,714	42,990 123,806 14,219 3,105 402,716	55,221 106,881 14,337 1,005 390,697	139,423 502,309 71,483 29,170 1,666,313	134,315 15,958 605 423,039	151,381 16,082 605 423,585	149,240 16,209 605 415,564	140,690 16,339 605 430,210	201,470 16,473 9,055 527,390	1,279,405 152,544 40,645 3,886,101
Pumping Stations 4,625 6,411 4,907 3,430 4,265 23,638 1,975 10 25,623 Trunk Water Mains 494 6,323 20,700 22,710 20,136 18,000 88,363 18,300 14,300 20,845 17,635 12,300 171,738 WT- Storage & Treatment 13 174 140 1,000 2,000 3,327 3,000 6,327 7,000 52,400 52,400 52,400 52,200 51,900 303,606 6,327 7,000 4,000 6,300 18,300 64,000 66,000 10,350 300 20 159,105 15,500	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections		2,030 200 250 31,323	34,706 13,832 4,245 137,927 252 34,825	9,783 107,132 14,791 10,985 324,936 807 37,323	29,073 127,754 14,104 9,580 378,714 150 38,000	42,990 123,806 14,219 3,105 402,716 150 38,000	55,221 106,881 14,337 1,005 390,697 150 38,000	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148	134,315 15,958 605 423,039 150 38,000	151,381 16,082 605 423,585 150 41,000	149,240 16,209 605 415,564 150 41,000	140,690 16,339 605 430,210 150 41,000	201,470 16,473 9,055 527,390 150 41,000	1,279,405 152,544 40,645 3,886,101 2,569 388,148
Trunk Water Mains 494 6,323 20,700 22,710 20,136 18,000 88,363 18,300 14,300 20,845 17,635 12,300 171,743 WT - Storage & Treatment 13 174 140 1,000 2,000 3,327 3,000 52,400 52,400 52,400 52,200 51,900 303,606 Ashbridges Bay TP 200 800 2,500 4,500 4,000 6,300 18,300 64,000 66,000 10,350 300 200 159,150 Highland Creek TP 10 190 800 500 1,500 1,500 66,000 10,350 300 200 159,150 FI Horgan TP 8 4 445 445 445 2,225 520 520 520 520 4,825 WWF-Implementation Projects 25 25 100 100 250 100 100 90 544 Sub-Total 4,751 69,740 133,914 118,359 <	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers		2,030 200 250 31,323 310	34,706 13,832 4,245 137,927 252 34,825 7,398	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068	134,315 15,958 605 423,039 150 38,000 1,000	151,381 16,082 605 423,585 150 41,000 6,000	149,240 16,209 605 415,564 150 41,000 9,000	140,690 16,339 605 430,210 150 41,000 9,000	201,470 16,473 9,055 527,390 150 41,000 7,500	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568
WT - Storage & Treatment 13 174 140 1,000 2,000 3,327 3,000 52,400 52,400 52,200 51,900 303,606 Trunk Sewers & Pumping Stations 47 499 1,310 3,000 9,300 28,150 42,306 52,400 52,400 52,400 52,400 52,200 51,900 303,600 Ashbridges Bay TP 200 800 2,500 4,500 4,000 6,300 18,300 66,000 66,000 10,350 300 200 159,150 Highland Creek TP 10 190 800 500 1,500 64,000 66,000 10,350 300 200 159,150 FI Horgan TP 8 9 41 49 9 45 45 Water Efficiency Plan 75 370 445 445 445 445 2,225 520 520 520 520 520 4,825 Sub-Total 4,751 69,740 133,914 118,359 110,994 118,884 556,642 197,516 198,520 153,355 139,805 13,270 1,378,408	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement		2,030 200 250 31,323 310	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649	134,315 15,958 605 423,039 150 38,000 1,000 18,071	151,381 16,082 605 423,585 150 41,000 6,000 18,040	149,240 16,209 605 415,564 150 41,000 9,000	140,690 16,339 605 430,210 150 41,000 9,000	201,470 16,473 9,055 527,390 150 41,000 7,500	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760
Trunk Sewers & Pumping Stations 47 499 1,310 3,000 9,300 28,150 42,306 52,400 52,400 52,400 52,200 51,900 303,606 Ashbridges Bay TP 200 800 2,500 4,500 4,000 63,00 18,300 64,000 66,000 10,350 300 200 159,150 11,500 11,5	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations		2,030 200 250 31,323 310 732 2,862	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975	151,381 16,082 605 423,585 150 41,000 6,000 18,040	149,240 16,209 605 415,564 150 41,000 9,000 19,000	140,690 16,339 605 430,210 150 41,000 9,000 19,000	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623
Ashbridges Bay TP 200 800 2,500 4,500 4,000 63,00 18,300 64,000 66,000 10,350 300 200 159,150 Highland Creek TP 10 190 800 500 1,500 1,500 1,500 1,500 1,500 1,500 EI Horgan TP 8 41 49 49 50 <t< td=""><td>WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains</td><td></td><td>2,030 200 250 31,323 310 732 2,862</td><td>34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323</td><td>9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700</td><td>29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907</td><td>42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136</td><td>55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000</td><td>139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363</td><td>134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300</td><td>151,381 16,082 605 423,585 150 41,000 6,000 18,040</td><td>149,240 16,209 605 415,564 150 41,000 9,000 19,000</td><td>140,690 16,339 605 430,210 150 41,000 9,000 19,000</td><td>201,470 16,473 9,055 527,390 150 41,000 7,500 19,000</td><td>1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743</td></t<>	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains		2,030 200 250 31,323 310 732 2,862	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300	151,381 16,082 605 423,585 150 41,000 6,000 18,040	149,240 16,209 605 415,564 150 41,000 9,000 19,000	140,690 16,339 605 430,210 150 41,000 9,000 19,000	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743
Highland Creek TP 10 190 800 500 1,500 15,	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment		2,030 200 250 31,323 310 732 2,862 494	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300	149,240 16,209 605 415,564 150 41,000 9,000 19,000	140,690 16,339 605 430,210 150 41,000 9,000 19,000	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327
Fi Horgon TP 8 8 445 445 445 445 2,225 520 520 520 520 520 520 4,825 445 445 445 445 445 445 445 445 445 4	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT- Storage & Treatment Trunk Sewers & Pumping Stations		2,030 200 250 31,323 310 732 2,862 494 13	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000 28,150	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327 42,306	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606
Fi Horgon TP 8 8 445 445 445 445 2,225 520 520 520 520 520 520 4,825 445 445 445 445 445 445 445 445 445 4	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations Ashbridges Boy TP		2,030 200 250 31,323 310 732 2,862 494 13 47	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310 2,500	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710 3,000 4,500	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000 28,150	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327 42,306 18,300	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606 159,150
Water Effeciency Plan 75 370 445 445 445 445 2,225 520 520 520 520 520 520 4,825 WWF-Implementation Projects 25 25 100 100 250 100 100 90 540 Sub-Total 4,751 69,740 133,914 118,359 110,994 118,884 556,642 197,516 198,520 153,355 139,805 132,570 1,378,408	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations		2,030 200 250 31,323 310 732 2,862 494 13 47	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310 2,500	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710 3,000 4,500	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000 28,150	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327 42,306 18,300	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606 159,150
WWF-Implementation Projects 25 25 100 100 250 100 100 90 540 Sub-Total 4,751 69,740 133,914 118,359 110,994 118,884 556,642 197,516 198,520 153,355 139,805 132,570 1,378,408	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations Ashbridges Bay TP Highland Creek TP		2,030 200 250 31,323 310 732 2,862 494 13 47 200	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310 2,500	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710 3,000 4,500	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000 28,150 6,300	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327 42,306 18,300 1,500	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606
Sub-Total 4,751 69,740 133,914 118,359 110,994 118,884 556,642 197,516 198,520 153,355 139,805 132,570 1,378,408	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WMM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations Ashbridges Bay TP Highland Creek TP FI Horgan TP		2,030 200 250 31,323 310 732 2,862 494 13 47 200 10	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499 800	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310 2,500	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710 3,000 4,500 800	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000 500	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 2,000 28,150 6,300	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 41,068 147,649 23,638 88,363 3,327 42,306 18,300 1,500	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400 64,000	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300 52,400 66,000	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400 10,350	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635 52,200 300	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900 200	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606 159,150 49
	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations Ashbridges Bay TP Highland Creek TP FI Horgan TP Water Effeciency Plan		2,030 200 250 31,323 310 732 2,862 494 13 47 200 10	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499 800	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 1,310 2,500 190	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 4,907 22,710 3,000 4,500 800	42,990 123,806 14,219 3,105 402,716 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000 500	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 28,150 6,300	139,423 502,309 71,483 29,170 1,666,313 1,819 186,148 417,649 23,638 88,363 33,227 42,306 18,300 1,500 49 2,225	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400 64,000	151,381 16,082 605 423,585 150 41,000 6,000 114,300 52,400 66,000	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400 10,350	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635 52,200 300	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900 200	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606 159,150 49 4,825
	WWF-Implementation Projects WWF-TRCA Yards & Facility Sub-Total Growth Related: Linear Eng New Connections New Sewers WM Replacement Pumping Stations Trunk Water Mains WT - Storage & Treatment Trunk Sewers & Pumping Stations Ashbridges Boy TP Highland Creek TP F1 Horgan TP Water Effeciency Plan WWF-Implementation Projects		2,030 200 250 31,323 310 732 2,862 494 13 47 200 10 8 75	34,706 13,832 4,245 137,927 252 34,825 7,398 14,474 4,625 6,323 174 499 800	9,783 107,132 14,791 10,985 324,936 807 37,323 12,688 51,375 6,411 20,700 140 1,310 2,500 190	29,073 127,754 14,104 9,580 378,714 150 38,000 9,450 34,372 4,907 22,710 3,000 4,500 800	42,990 123,806 14,219 3,105 150 38,000 7,500 26,433 3,430 20,136 1,000 9,300 4,000 500	55,221 106,881 14,337 1,005 390,697 150 38,000 3,300 18,133 4,265 18,000 28,150 6,300 41 445	139,423 502,309 71,483 29,170 1,666,313 186,148 41,068 147,649 23,638 88,363 3,327 42,306 18,300 1,500 49 2,225	134,315 15,958 605 423,039 150 38,000 1,000 18,071 1,975 18,300 3,000 52,400 64,000	151,381 16,082 605 423,585 150 41,000 6,000 18,040 10 14,300 52,400 66,000	149,240 16,209 605 415,564 150 41,000 9,000 19,000 20,845 52,400 10,350	140,690 16,339 605 430,210 150 41,000 9,000 19,000 17,635 52,200 300	201,470 16,473 9,055 527,390 150 41,000 7,500 19,000 12,300 51,900 200	1,279,405 152,544 40,645 3,886,101 2,569 388,148 73,568 240,760 25,623 171,743 6,327 303,606 159,150 49 4,825 540

Appendix 3

2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

ater F	Program]																		
					Curr	ent and F	uture Yea	r Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flov	v Commi	itments F	inanced	Ву		
iorityS	ubProj No. Sub-project Name	Nard Sta	t. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	from	Other 1	Other2	Reco		Total Financing
2	PLANT EXPANSION - DESIGN & CONSTR	CW S2	2 05	83	0	0	0	0	83	0	83	() (0 27	0	29	0	0	27	0	0	83
39	PLANT EXPANSION - CONSTRUCTION	CW S2	2 05	0	0	0	0	40	40	0	40	() (0 13	0	14	0	0	13	0	0	40
40		CW S3	3 05	-75	0	0	0	0	-75	0	-75	() (0 -24	0	-27	0	0	-24	0	0	-75
41	PLANT EXPANSION - CONSTRUCTION-2018 SC	CW S3	3 05	0	0	0	0	1	1	0	1	() (0 0	0	1	0	0	0	0	0	1
	Sub-total			8	0	0	0	41	49	0	49	С) (0 16	0	17	0	0	16	0	0	49
T00001	14 WATER STORAGE EXPANSION																					
2	Milliken PS and Reservoir - Engineering	CW S2	2 05	37	0	0	0	0	37	0	37	() (0 15	0	8	0	0	14	0	0	37
	Sub-total			37	0	0	0	0	37	0	37	С) (0 15	0	8	0	0	14	0	0	37
T00001	18 CLARK RESIDUE MGMT. FACILITIES																					
24	RESIDUALS RETROFITS AND UPGRADES	CW S2	2 02	2,841	700	0	0	0	3,541	0	3,541) (0 0	0	3,541	0	0	0	0	0	3,541
30	RESIDUALS RETROFITS AND UPGRADES - 2018 SC	CW S3	02	42	2,050	0	0	0	2,092	0	2,092	() (0 0	0	2,092	0	0	0	0	0	2,092
	Sub-total			2,883	2,750	0	0	0	5,633	0	5,633	C) (0 0	0	5,633	0	0	0	0	0	5,633
T00002	21 WATER EFFICIENCY PROGRAM																					
10	ICI INDOOR WATER AUDIT	CW S2	2 05	300	300	0	0	0	600	0	600) (0 600	0	0	0	0	0	0	0	600
11	PUBLIC EDUCATION & PROMOTIONS	CW S2	2 05	225	150	0	0	0	375	0	375	() (375	0	0	0	0	0	0	0	375
12	ANCILLARY COSTS	CW S2	2 05	70	70	35	0	0	175	0	175	() (0 175	0	0	0	0	0	0	0	175
82	WEP - FUTURE -ICI	CW S6	05	0	0	0	0	0	0	2,600	2,600	() (2,600	0	0	0	0	0	0	0	2,600
94	PUBLIC EDUCATION & PROMOTIONS - 2018 SC	CW S3	05	-150	-75	75	75	75	0	0	0	() (0 0	0	0	0	0	0	0	0	0
95	ICI INDOOR WATER AUDIT - 2018 SC	CW S3	3 05	0	0	300	300	300	900	0	900	() (900	0	0	0	0	0	0	0	900
96	ANCILLARY COSTS - 2018 SC	CW S3	3 05	0	0	35	70	70		0	175	() (0	0	0	0	0	0	175
	Sub-total			445	445	445	445	445	2,225	2,600	4,825	C) (0 4,825	0	0	0	0	0	0	0	4,825
T00036	63 ENGINEERING STUDIES																					
2	IMPROVED TREATMENT STUDIES	CW S2	2 04	183	0	0	0	0	183	0	183	() (0 0	0	128	0	0	55	0	0	183
18	CONTROLLED SUBSTANCES ID AND ABATEMENT			100	100	0	0	0			200	() (0 0	0		0	0	0	0	0	
31	ENERGY EFFICIENCY IMPLEMENTATION	CW S2	2 04	147	0	0	0	0	147	0	147) (0 0	0	147	0	0	0	0	0	147
	10 P P 10 10 10 10 10	ioritySubProj No. Sub-project Name 1000004 HORGAN W.T.P. EXPANSION 2 PLANT EXPANSION - DESIGN & CONSTR ADMIN 39 PLANT EXPANSION - CONSTRUCTION 40 PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018 SC 41 PLANT EXPANSION - CONSTRUCTION 2 WATER STORAGE EXPANSION 2 Milliken PS and Reservoir - Engineering Sub-total 1000018 CLARK RESIDUE MGMT. FACILITIES 24 RESIDUALS RETROFITS AND UPGRADES 30 RESIDUALS RETROFITS AND UPGRADES - 2018 SC Sub-total 10 ICI INDOOR WATER AUDIT 11 PUBLIC EDUCATION & PROMOTIONS 12 ANCILLARY COSTS 82 WEP - FUTURE -ICI 94 PUBLIC EDUCATION & PROMOTIONS - 2018 SC 95 ICI INDOOR WATER AUDIT - 2018 SC 96 ANCILLARY COSTS - 2018 SC Sub-total 10000363 ENGINEERING STUDIES 1 MPROVED TREATMENT STUDIES 1 CONTROLLED SUBSTANCES ID AND ABATEMENT	Ib- Project No. Project Name IoritySubProj No. Sub-project Name Ward Stationary	De- Project No. Project Name Ward Stat. Cat.	Description	Curr	Decided No. Project Name Ward Stat. Cat. 2018 2019 2020	Description Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021	Dec Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2022 2022 2022 2020 2020 2021 2022 2020	Description Description	Description Description	Description	Current and Future Year Cash Flow Commitments Current and Future Year Cash	Current and Future Year Cash Flow Commitments	No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018-2022 2023-2027 20		Part Part	Column C	Property No. Property No. Sub-property No.	Second Column	Part Part	Part

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

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Water Program

***	ilei Fi	rogram																						
							Curr	ent and F	uture Year	Cash Flo	w Commitn	nents		Current and Future Year Cash Flow Commitments Financed By										
<u>Su</u> Pri		oject No. Project Name IbProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
		3 ENGINEERING STUDIES													-								\neg	
0	38	CORROSION CONTROL	CW	S2	02	4	0	0	0	0	4	0	4	o	(0	0	4	0	0	0	0	0	4
0	70	FACILITY FORECAST/SOGR FUNDING	CW	S6	03	0	0	50	50	50	150	250	400	0	(0	0	400	0	0	0	0	0	400
0	76	ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	CW	S3	04	-117	0	0	0	0	-117	0	-117	O	(0	0	-117	0	0	0	0	0	-117
0	78	IMPROVED TREATMENT STUDIES - 201 SC	8 CW	S3	04	-73	50	0	0		-23	0	-23	0	(0	0	-16	0	0		0	0	-23
		Sub-total				244	150	50	50	50	544	250	794	0	(0	0	746	0	0	48	0	0	794
WA	Г906334	4 BUSINESS SYSTEM INFRASTRUCTURE	- PW																					
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	85	65	0	0	0	150	0	150	О	(0	0	150	0	0	0	0	0	150
0	23	RELIABILITY IMPROVEMENT PROGRAM	и CW	S2	04	350	200	200	0	0	750	0	750	O	(0	0	750	0	0	0	0	0	750
0	41	SCADA UPGRADES FOR WWT		S2		6,306	8,925	5,090	200		20,581	0	20,581	0			0	20,581	0	0		0	0	20,581
0	43	BUSINESS & TECHNICAL IMPROVEMENTS - 10 YEAR PLAN		S6	04	0	150	100		1,254	2,785	6,065	8,850	0			0	8,850	0	0		0	0	8,850
0	61	RELIABILITY IMPROVEMENT PROGRAM FUTURE YEARS	и- CW	S6	04	0	0	0	60	160	220	1,000	1,220	0	(0	0	1,220	0	0	0	0	0	1,220
0	67	SCADA UPGRADES FOR WWT - II	CW	S2	04	1,361	710	584	0	0	2,655	0	2,655	0	(0	0	2,655	0	0	0	0	0	2,655
0	83	NETWORK IMPROVEMENTS - 10 YEAR	CW	S6	04	0	1,650	1,230	1,340	2,520	6,740	4,940	11,680	0	(0	0	11,680	0	0	0	0	0	11,680
0	85	NETWORK IMPROVEMENTS	CW	S2	04	1,510	0	0	0	0	1,510	0	1,510	0	(0	0	1,510	0	0	0	0	0	1,510
0	86	BLANKET CONTRACT MGMT TOOL	CW	S2	04	150	0	0	0	0	150	0	150	0	(0	0	150	0	0	0	0	0	150
0	87	PCS UPGRADES 2017	CW	S2	04	315	210	0	0	0	525	0	525	0	(0	0	525	0	0	0	0	0	525
0	88	TRUNK RADIO - EQUIPMENT	CW	S2	03	1,400	0	0	0	0	1,400	0	1,400	0	(0	0	1,400	0	0	0	0	0	1,400
0	97	SCADA SOFTWARE	CW	S2	04	276	220	220	220	0	936	0	936	0	(0	0	936	0	0	0	0	0	936
0	98	SCADA UPGRADES FOR WWT-2018 SC		S3	04	-3,843	-5,633	-2,038	3,680	3,125	-4,709	4,625	-84	0	(0	0	-84	0	0	0	0	0	-84
0	99	SCADA UPGRADES FOR WWT - II -2018 SC	s CW	S3	04	-95	67	77	0	0	49	0	49	0	(0	0	49	0	0	0	0	0	49
0	100	TRUNK RADIO - EQUIPMENT-2018 SC	CW	S3	03	-1,400	160	0	78	80	-1,082	0	-1,082	o	(0	0	-1,082	0	0	0	0	0	-1,082
0	101	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2018 SC	CW	S3	03	6	0	0	0	0	6	0	6	O	(0	0	6	0	0	0	0	0	6
0	102	RELIABILITY IMPROVEMENT PROGRAM 2018 SC		S3	04	-130	40	40	140	40	130	0	130	О	(0	0	130	0	0	0	0	0	130
0	103	PCS LEGACY ALARM IMPROVEMENT - 2018 SC	CW	S3	04	-65	-45	0	0	0	-110	0	-110	0	(0	0	-110	0	0	0	0	0	-110

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

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Water Program

	riogram																							
						Current and Future Year Cash Flow Commitments								Current and Future Year Cash Flow Commitments Financed By										
		Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
		SS SYSTEM INFRASTRUCTURE -	PW																					
0 10	04 PCS UP 2018 SC	GRADES FOR WATER SUPPLY -	CW	S3	04	17	0	0	0	0	17	0	17	C) (0	0	17	0	C	0	0	0	17
0 10	05 BLANKE SC	ET CONTRACT MGMT TOOL - 2018	CW	S3	04	-150	0	0	0	0	-150	0	-150	С) (0	0	-150	0	C	0	0	0	-150
0 10	06 NETWO	ORK IMPROVEMENTS - 2018 SC	CW	S3	04	-341	505	0	0	0	164	0	164	C) C	0	0	164	0	C	0	0	0	164
0 10	7 PCS UP	GRADES 2017 - 2018 SC	CW	S3	04	-210	0	105	0	0	-105	0	-105	С) C	0	0	-105	0	(0	0	0	-105
0 10	08 SCADA	SOFTWARE - 2018 SC	CW	S3	04	-96	-40	-40	-40	0	-216	0	-216	С) C	0	0	-216	0	(0	0	0	-216
		Sub-total				5,446	7,184	5,568	6,959	7,239	32,396	16,630	49,026	0	C	0	0	49,026	0	C) 0	() 0	49,026
WAT906	340 METER	ING & METER READING SYS																						
0 2	AUTOM	ATED METER READING SYSTEM	CW	S2	04	3,450	500	346	0	0	4,296	0	4,296	c) (0	0	4,296	0	C	0	0	0	4,296
0 19		ATED METER READING M-2018 SC	CW	S3	04	-150	-500	-346	0	0	-996	0	-996	С) C	0	0	-996	0	C	0	0	0	-996
		Sub-total				3,300	0	0	0	0	3,300	0	3,300	0	C	0	0	3,300	0	C) 0	() 0	3,300
WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT																								
0 30	JOS - AV LAWRE	VENUE WM CONS HI LEVELTO NCE	CW	S2	03	0	0	0	0	0	0	0	0	c) C	0	0	0	0	C	0	0	0	0
		Sub-total				0	0	0	0	0	0	0	0	0	C	0	0	0	0	C) 0	() 0	0
WAT906	468 HORGA	N TRUNK MAIN EXPANSION																						
0 44		SVIEW MAIN-KEELE PS TO SVIEW CONS	CW	S6	05	0	0	2,000	16,000	17,000	35,000	25,000	60,000	c) (22,771	0	37,229	0	C	0	0	0	60,000
0 52	2 DOWNS	SVIEW MAIN (KEELE PS TO SVIEW) Engineering	CW	S4	05	400	1,000	1,100	1,700	700	4,900	1,680	6,580	С) C	2,498	0	4,082	0	C	0	0	0	6,580
		Sub-total				400	1,000	3,100	17,700	17,700	39,900	26,680	66,580	0	C	25,269	0	41,311	0	C	0	() 0	66,580
WAT906	470 ISLAND	W.T.P. R&R																						
0 8	CHEMIC ENGINE	CAL & RESIDUALS MANAGMENT ERING	CW	S2	02	1,629	1,000	650	850	200	4,329	100	4,429	c) (0	0	4,429	0	C	0	0	0	4,429
0 11	CHEMIC CONST	CAL & RESIDUALS MANAGEMENT	CW	S2	02	3,500	4,000	14,000	14,000	6,000	41,500	0	41,500	C) C	2,523	0	38,977	0	C	0	0	0	41,500
0 32		CAL & RESIDUALS MANAGMENT ERING-2018 SC	CW	S3	02	-299	300	250	130	650	1,031	300	1,331	C) C	0	0	1,331	0	C	0	0	0	1,331
0 33		CAL & RESIDUALS MANAGEMENT 2018 SC	CW	S3	02	-750	-2,500	1,000	4,000	1,400	3,150	0	3,150	С) C	191	0	2,959	0	(0	0	0	3,150
		Sub-total				4,080	2,800	15,900	18,980	8,250	50,010	400	50,410	0	C	2,714	0	47,696	0	C	0	() 0	50,410
WAT906	481 DISTRIC	CT WATERMAINS - NEW																						
0 1	NEW W	м	CW	S2	05	500	0	0	0	0	500	0	500	C) C	500	0	0	0	C	0	0	0	500

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

PrioritySubP WAT906481 D 0 3 N 0 16 N WAT906483 P 0 2 C A 0 5 W 0 7 E 0 22 W 0 37 A	DISTRICT WATERMAINS - NEW NEW WM - 10 YEAR NEW WM -2018 SC Sub-total				2018		ent and Fu	uture Year (Cash Flow 2022	Total	Total	Total 2018-2027	Provincial Grants and			ture Year C R Reserves		Capital from Current			De Reco	ebt - verable	Total
PrioritySubP WAT906481 D 0 3 N 0 16 N WAT906483 P 0 2 C A 0 5 W 0 7 E 0 22 W 0 37 A	Proj No. Sub-project Name DISTRICT WATERMAINS - NEW NEW WM - 10 YEAR NEW WM -2018 SC Sub-total	CW			2018	2019	2020	2021	2022		l .	l l	Provincial Grants and	Federal [Development	R Reserves	eserve	from	0.1. 4	0.1. 0	Reco		Total
WAT906481 D 0 3 N 0 16 N WAT906483 P 0 2 C A 0 5 W 0 7 E 0 22 W 0 37 A	DISTRICT WATERMAINS - NEW NEW WM - 10 YEAR NEW WM -2018 SC Sub-total	CW										2010-2027	Subsidies	Subsidy	Charges	,	unus (Julient	Other 1	Other2	Debt		Financing
0 16 N WAT906483 P 0 2 CA 0 5 W 0 7 E 0 22 W 0 37 A	NEW WM -2018 SC Sub-total		S6	_									Cuboluloo										
WAT906483 P 0 2 C A 0 5 V 0 7 E 0 22 V 0 37 A	Sub-total	CW		05	0	0	0	500	500	1,000	2,500	3,500	0	0	3,500	0	0	0) (0	0	0	3,500
0 2 CAA 0 5 W 0 7 E 0 22 W 0 37 A			S3	05	-490	50	500	0	0	60	0	60	0	0	60	0	0	0) (0	0	0	60
0 2 CAA 0 5 W 0 7 E 0 22 W 0 37 A	DW ENGINEEDING				10	50	500	500	500	1,560	2,500	4,060	0	0	4,060	0	0	0) (C	0	0	4,060
0 5 W 0 7 E 0 22 W 0 37 A	PW ENGINEERING																						
0 7 E 0 22 W 0 37 A	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,657	3,000	585	0	0	7,242	0	7,242	0	0	0	0	7,242	0) (0	0	0	7,242
0 22 V 0 37 A	WATERMAIN ASSET PLANNING	CW	S2	03	2,110	1,455	1,050	1,055	1,100	6,770	900	7,670	0	0	1,919	0	2,715	0) (3,036	0	0	7,670
0 37 A	EASEMENT ACQUISITION	CW	S2	04	700	0	0	0	0	700	0	700	0	0	0	0	700	0) C	0	0	0	700
IN	WATER LOSS REDUCTION STRATEGY	CW	S2	03	866	1,418	1,000	1,000	0	4,284	0	4,284	0	0	0	0	4,284	0) C	0	0	0	4,284
	ASSET MGMT SYSTEM MPLEMENTATION	CW	S2	04	1,472	1,000	1,000	1,000	1,000	5,472	2,500	7,972	0	0	1,993	0	5,979	0) (0	0	0	7,972
0 38 V	WATERMAIN ASSET PLANNING - 10 YEAR	R CW	S6	04	0	35	75	175	575	860	2,575	3,435	0	0	861	0	2,574	0) (0	0	0	3,435
0 52 J	JOS UPDATE PHASE II	CW	S2	05	597	150	0	0	0	747	0	747	0	0	374	0	0	0) (373	0	0	747
0 53 E	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
	CAPITAL PROG & FACILITY ASSET PLANNING-2018 SC	CW	S3	03	-2,197	903	1,715	0	0	421	0	421	0	0	0	0	421	0) C	0	0	0	421
0 71 V	WATERMAIN ASSET PLANNING-2018 SC	CW	S3	03	-835	1,224	1,000	0	0	1,389	895	2,284	0	0	571	0	808	0) (905	0	0	2,284
0 72 E	EASEMENT ACQUISITION-2018 SC	CW	S3	04	-10	690	0	0	0	680	0	680	0	0	0	0	680	0) C	0	0	0	680
	WATER LOSS REDUCTION STRATEGY-2018 SC	CW	S3	03	-399	-529	-571	0	1,000	-499	1,000	501	0	0	0	0	501	0) (0	0	0	501
0 74 J	JOS UPDATE PHASE II-2018 SC	CW	S3	05	-297	507	0	0	0	210	0	210	0	0	105	0	-1	0) (106	0	0	210
	ASSET MGMT SYSTEM IMPLEMENTATION - 2018 SC	CW	S3	04	-172	300	0	0	0	128	0	128	0	0	32	0	96	0) C	0	0	0	128
	Sub-total				5,492	10,153	6,354	3,730	4,175	29,904	10,370	40,274	0	0	5,855	0	29,999	0) C	4,420	0	0	40,274
WAT906749 D	DOWNTOWN W/M ENHANCEMENT			İ																			
0 1 J	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	10	0	0	0	0	10	0	10	0	0	2	0	0	0) C	8	0	0	10
	JOS - GERRARD ST WM - ENGINEERING 2018 SC	- CW	S3	03	-4	0	0	0	0	-4	0	-4	0	0	-1	0	0	0) (-3	0	0	-4
	Sub-total				6	0	0	0	0	6	0	6	0	0	1	0	0	0) (5	0	0	6
WAT906752 T	TRANSMISSION P&R																						
0 49 T	TRANSPIRED IN INCIN																						

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

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						Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAT9067	752 TRANSMISSION R&R																						
0 50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	0	0	1,250	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,276	333	88	0	0	1,697	0	1,697	o	0	0	0	1,697	0	0	0	0	0	1,697
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,742	358	442	0	0	2,542	0	2,542	О	0	0	0	2,542	0	0	0	0	0	2,542
0 58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	6,110	991	0	0	0	7,101	0	7,101	o	0	0	0	7,101	0	0	0	0	0	7,101
0 78	TRUNK WATERMAIN REHAB-2018 SC	CW	S3	03	81	0	67	250	250	648	0	648	o	0	0	0	648	0	0	0	0	0	648
0 79	CAST IRON TRUNK REPLC - PHASE 3 - ENG-2018 SC	CW	S3	03	-703	693	265	0	0	255	0	255	o	0	0	0	255	0	0	0	0	0	255
0 80	CAST IRON TRUNK REPLC - PHASE 3 - CONSTR - 2018 SC	CW	S3	03	-169	509	0	0	0	340	0	340	0	0	0	0	340	0	0	0	0	0	340
0 81	CAST IRON TRUNK REPLC - PHASE 2 - 2018 SC	CW	S3	03	-358	100	125	0	0	-133	0	-133	0	0	0	0	-133	0	0	0	0	0	-133
	Sub-total				8,252	3,244	1,240	250	250	13,236	1,250	14,486	0	0	0	0	14,486	0	0	0	0	0	14,486
WAT9069	900 TRANSMISSION R&R																						
0 1	TRANS FACILITIES REHAB	CW	S2	03	750	0	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0 7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	7,040	7,040	О	0	0	0	7,040	0	0	0	0	0	7,040
0 36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	8,666	8,120	10	17	0	16,813	0	16,813	o	0	0	0	16,813	0	0	0	0	0	16,813
0 43	B DOWNSVIEW PS - Construction	CW	S6	05	0	0	0	1,000	2,000	3,000	3,000	6,000	0	0	2,278	0	3,722	0	0	0	0	0	6,000
0 44	PUMPING STATION REHAB - Engineerin	g CW	S6	03	0	500	900	750	560	2,710	7,460	10,170	О	0	0	0	10,170	0	0	0	0	0	10,170
0 45	PUMPING STATION REHAB - Construction	on CW	S6	03	0	0	4,500	4,500	1,000	10,000	38,600	48,600	o	0	0	0	48,600	0	0	0	0	0	48,600
0 48	ROSEHILL RESERVOIR	CW	S2	03	12,018	10,350	10,150	3,019	17	35,554	17	35,571	O	0	0	0	35,571	0	0	0	0	0	35,571
0 49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	293	0	0	0	0	293	0	293	O	0	5	0	288	0	0	0	0	0	293
0 50	PARKDALE PS REHABILITATION	CW	S2	03	4,354	2,425	329	8	0	7,116	0	7,116	O	0	0	0	7,116	0	0	0	0	0	7,116
0 51	ROSEHILL PS REHAB	CW	S2	03	3,455	1,164	24	25	0	4,668	0	4,668	0	0	0	0	4,668	0	0	0	0	0	4,668
0 67	PUMP REPLACEMENTS	CW	S2	03	1,687	100	0	0	0	1,787	0	1,787	O	0	0	0	1,787	0	0	0	0	0	1,787
0 70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0	0	0	0	0	0	3,750	3,750	0	0	0	0	3,750	0	0	0	0	0	3,750
0 72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S2	03	330	300	650	350	450	2,080	1,700	3,780	0	0	0	0	3,780	0	0	0	0	0	3,780
0 74	PS REHAB - PHASE 2 - ENG	CW	S2	03	680	600	1,000	500	400	3,180	1,600	4,780	σ	0	0	0	4,780	0	0	0	0	0	4,780

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

-		~ J																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Futu	ure Year	Cash Flo	w Commi	tments F	inanced	Ву		
<u>Su</u> Pri		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges Re	l eserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	erable	Total Financing
WA	T906900	TRANSMISSION R&R																						
0	83	TRANS FACILITIES REHAB-2018 SC	CW	S3	03	0	750	750	750	750	3,000	0	3,000	C	0	0	0	3,000	0	0	0	0	0	3,000
0	84	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2018SC	CW	S3	03	-866	-326	970	0	0	-222	0	-222	C	0	0	0	-222	0	0	0	0	0	-222
0	85	ROSEHILL RESERVOIR-2018 SC	CW	S3	03	-7,643	2,175	6,575	5,306	0	6,413	0	6,413	C	0	0	0	6,413	0	0	0	0	0	6,413
0	86	DOWNSVIEW PS & CONNECTOR EA-20 SC	18 CW	S3	05	-143	140	0	0	0	-3	0	-3	C	0	105	0	-108	0	0	0	0	0	-3
0	87	PARKDALE PS REHABILITATION-2018 S	C CW	S3	03	-33	-350	-132	0	0	-515	0	-515	C	0	0	0	-515	0	0	0	0	0	-515
0	88	PUMP REPLACEMENTS-2018 SC	CW	S3	03	163	50	0	0	0	213	0	213	C	0	0	0	213	0	0	0	0	0	213
0	89	RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	20	200	38	230	-440	48	-1,693	-1,645	C	0	0	0	-1,645	0	0	0	0	0	-1,645
0	90	PS REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	65	800	216	450	-376	1,155	-1,576	-421	C	0	0	0	-421	0	0	0	0	0	-421
0	91	SCARBOROUGH RESERVOIR SURGE TANK	CW	S6	03	0	350	4,600	4,475	545	9,970	30	10,000	C	0	0	0	10,000	0	0	0	0	0	10,000
0	92	RESERVOIR REHAB - PHASE 2 - CONSTRUCTION	CW	S6	03	0	1,500	9,500	8,000	0	19,000	0	19,000	C	0	0	0	19,000	0	0	0	0	0	19,000
0	93	RESERVOIR REHAB - FUTURE - CONSTRUCTION	CW	S6	03	0	0	0	0	0	0	35,500	35,500	C	0	0	0	35,500	0	0	0	0	0	35,500
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	V CW	S4	03	50	4,000	10,950	6,500	0	21,500	0	21,500	C	0	0	0	21,500	0	0	0	0	0	21,500
0	95	ROSEHILL PS REHAB - 2018 SC	CW	S3	03	-565	164	24	25	0	-352	0	-352	C	0	0	0	-352	0	0	0	0	0	-352
		Sub-total				23,281	33,012	51,054	35,905	4,906	148,158	95,428	243,586	0	0	2,388	0	241,198	0	0	0	0	0	243,586
WA	T906902	HARRIS W.T.P. R&R																						
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	534	0	0	0	0	534	0	534	C	0	0	0	534	0	0	0	0	0	534
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,445	4,281	0	0	0	9,726	0	9,726	C	0	0	0	9,726	0	0	0	0	0	9,726
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,948	65	0	0	0	4,013	0	4,013	C	0	0	0	4,013	0	0	0	0	0	4,013
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	8,315	101	10	13	0	8,439	0	8,439	C	0	0	0	8,439	0	0	0	0	0	8,439
0	70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	0	150	0	150	300	150	450	C	0	0	0	450	0	0	0	0	0	450
0	71	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	(0	0	0	2,500	0	0	0	0	0	2,500
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	100	550	550	0	0	1,200	0	1,200	C	0	0	0	1,200	0	0	0	0	0	1,200
0	80	FACILITY INFRASTRUCTURE REHAB	CW	S6	03	o	1,000	1,000	0	0	2,000	0	2,000	C	0	0	0	2,000	0	0	0	0	0	2,000
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	4,652	144	7	0	0	4,803	0	4,803	C	0	0	0	4,803	0	0	0	0	0	4,803

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***	itter i i	ogram																							
								Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Зу		
Sul	b- Pro	oject No.	Project Name									Total	Total	Total	Provincial	Fadaral			Reserve	Capital from			Debt Recover		Total
		bProj No.	Sub-project Name	Vard	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds		Other 1	Other2			Financing
WA	Г906902	HARRIS V	V.T.P. R&R																						
0	85	HARRIS F	FILTERS REHABILITATION	CW	S6	03	0	0	0	0	450	450	45,050	45,500	0	(0 0	0	45,500	0	0	0	0	0	45,500
0	98		E MASONRY AND CTURAL RESTORATION	CW	S2	03	200	200	200	200	150	950	0	950	0	(0 0	0	950	0	0	0	0	0	950
0	99	CONTRO	L ROOM RELOCATION	CW	S2	04	525	0	0	0	0	525	0	525	0	(0 0	0	525	0	0	0	0	0	525
0	100	EMERGE	NCY STANDBY POWER	CW	S2	04	1,370	405	0	0	0	1,775	0	1,775	0	(0 0	0	1,775	0	0	0	0	0	1,775
0	102	PHONE S	YSTEM UPGRADE	CW	S2	03	70	510	0	0	0	580	0	580	0	(0 0	0	580	0	0	0	0	0	580
0	106	BUILDING	S ENVELOPE REHAB	CW	S2	03	10	0	0	0	0	10	0	10	0	(0 0	0	10	0	0	0	0	0	10
0	112	TRAVELL	ING SCREENS 3 & 5 UPGRADE	CW	S2	03	300	450	0	0	0	750	0	750	0	(0 0	0	750	0	0	0	0	0	750
0	119	ENERGY	OPTIMIZATION	CW	S4	04	50	1,150	1,000	0	0	2,200	0	2,200	0	(0	0	2,200	0	0	0	0	0	2,200
0	120	BUILDING	S ENVELOPE REHAB-2018 SC	CW	S3	03	0	136	0	0	0	136	0	136	0	(0	0	136	0	0	0	0	0	136
0	121	FACILITY SC	& PROCESS UPGRADES-2018	CW	S3	03	-34	500	500	500	500	1,966	0	1,966	0	(0 0	0	1,966	0	0	0	0	0	1,966
0	122	HVAC RE	HAB CONSTRUCTION-2018 SC	CW	S3	03	-4,300	473	4,241	0	0	414	0	414	0	(0	0	414	0	0	0	0	0	414
0	123	HARRIS F PILOT-20	FILTERS REHABILITATION - 18 SC	CW	S3	03	-1,727	5,135	948	24	0	4,380	0	4,380	0	(0 0	0	4,380	0	0	0	0	0	4,380
0	124		HEMICAL SYSTEM EMENTS-2018 SC	CW	S3	04	-2,943	3,128	0	0	0	185	0	185	0	(0	0	185	0	0	0	0	0	185
0	125		E MASONRY&ARCHITECTURAL ATION-2018 SC	CW	S3	03	0	0	0	0	50	50	0	50	0	(0 0	0	50	0	0	0	0	0	50
0	126	CONTRO	L ROOM RELOCATION-2018 SC	CW	S3	04	-115	1,079	204	0	0	1,168	0	1,168	0	(0 0	0	1,168	0	0	0	0	0	1,168
0	127	EMERGE	NCY STANDBY POWER-2018 SC	CW	S3	04	355	1,320	347	0	0	2,022	0	2,022	0	(0 0	0	2,022	0	0	0	0	0	2,022
0	128		F SETTLING BASIN LUICE GATES -2018 SC	CW	S3	03	-3,010	409	0	0	0	-2,601	0	-2,601	0	(0 0	0	-2,601	0	0	0	0	0	-2,601
0	129		R SECURITY LIGHTING ES - 2018 SC	CW	S3	03	-100	-550	-450	550	550	0	0	0	0	(0 0	0	0	0	0	0	0	0	0
0	130	TRAVELL 2018 SC	ING SCREENS 3 & 5 UPGRADE -	CW	S3	03	-300	-450	300	450	0	0	0	0	0	(0	0	0	0	0	0	0	0	o
0	131	PHONE S	YSTEM UPGRADE - 2018 SC	CW	S3	03	-70	-510	70	510	0	0	0	0	0	(0	0	0	0	0	0	0	0	0
			Sub-total				13,275	19,526	9,077	2,247	1,850	45,975	47,700	93,675	0	(0 0	0	93,675	0	0	0	0	0	93,675
WAT	Г906903	FJ HORG	AN W.T.P. R&R																						
0	5	FACILITY	& PROCESS UPGRADES	CW	S2	03	671	0	0	0	0	671	0	671	0	(0 0	0	671	0	0	0	0	0	671
0	8	RAW WA	TER PUMP UGRADES	CW	S2	03	21	0	0	0	0	21	0	21	0	(0 0	0	21	0	0	0	0	0	21

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

						_	Curre	ent and Fu	ture Year (Cash Flov	v Commitm	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub- Priorit	Project N ySubProj I	o. Project Name No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal (Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del Recov Debt		Total Financing
WAT90		ORGAN W.T.P. R&R																						
0	I5 REPL	ACEMENT OF MCCS	CW	S2	03	954	250	227	10	9	1,450	0	1,450	0	0	0	0	1,450	0	0	0	0	0	1,450
0 2	28 FACII FUTL	LITY & PROCESS UPGRADES - JRE	CW	S6	03	0	0	0	0	0	0	1,000	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0 3		DING FIRE, HVAC, LIGHTING RADES	CW	S2	04	2,242	1,950	10	10	0	4,212	0	4,212	0	0	0	0	4,212	0	0	0	0	0	4,212
0 3		GROUNDING SYSTEM & BULK M UNLOADING IMPRO	CW	S2	04	570	280	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	850
0 3	33 OFFI	CE RENOVATION	CW	S6	03	0	100	675	575	475	1,825	4	1,829	0	0	0	0	1,829	0	0	0	0	0	1,829
0 3	34 TREA	ATED WATER PUMP UPGRADES	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0 5	59 FACII SC	LITY & PROCESS UPGRADES-2018	CW	S3	03	16	1,174	550	200	200	2,140	0	2,140	0	0	0	0	2,140	0	0	0	0	0	2,140
0 6	60 REPL	ACEMENT OF MCCS-2018 SC	CW	S3	03	-87	0	70	40	-6	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 6	S1 RAW	WATER PUMP UGRADES-2018 SC	CW	S3	03	400	200	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600
0 6		GROUNDING SYSTEM&BULK M UNLOADING-2018 SC	CW	S3	04	10	320	690	0	0	1,020	0	1,020	0	0	0	0	1,020	0	0	0	0	0	1,020
0 6		ATED WATER PUMP RADES-2018 SC	CW	S3	04	0	203	0	0	0	203	0	203	0	0	0	0	203	0	0	0	0	0	203
0 6		DING FIRE, HVAC, LIGHTING RADES-2018 SC	CW	S3	04	-1,922	-645	1,625	1,000	0	58	0	58	0	0	0	0	58	0	0	0	0	0	58
		Sub-total			Ī	2,895	3,832	3,847	1,835	678	13,087	1,004	14,091	0	0	0	0	14,091	0	0	0	0	0	14,091
WAT90	6906 TRUN	NK WATERMAIN EXPANSION			-																			
0 2		WM SCAR PS TO ST CLAIR AND AND - ENG	CW	S2	05	625	375	183	11	0	1,194	0	1,194	0	0	573	0	350	0	0	271	0	0	1,194
0 6	66 JOS - (CON	- WM Scar PS to St. Clair&Midland IST)	CW	S2	05	13,880	12,000	8,000	0	0	33,880	0	33,880	0	0	16,231	0	9,952	0	0	7,697	0	0	33,880
0 7		WM SCAR PS -ST CLAIR & MIDLANI G -2018 SC	D CW	S3	05	-233	325	427	425	0	944	0	944	0	0	451	0	278	0	0	215	0	0	944
0 7		WM Scar PS- St. Clair&Midland IST)-2018 SC	CW	S3	05	-7,855	7,000	11,000	2,000	0	12,145	0	12,145	0	0	5,817	0	3,568	0	0	2,760	0	0	12,145
		Sub-total				6,417	19,700	19,610	2,436	0	48,163	0	48,163	0	0	23,072	0	14,148	0	0	10,943	0	0	48,163
WAT90	6914 SWIT	CH GEAR TRANSFORMER			İ																			
0		OR/OUTDOOR SWITCHGEAR SE 3)	CW	S2	03	1,094	0	0	0	0	1,094	0	1,094	0	0	0	0	1,094	0	0	0	0	0	1,094
0 2		OR/OUTDOOR SWITCHGEAR SE 4)	CW	S4	03	300	1,000	6,250	5,250	5,250	18,050	7,925	25,975	0	0	0	0	25,975	0	0	0	0	0	25,975
0 3		OR/OUTDOOR SWITCHGEAR SE 3)-2018 SC	CW	S3	03	-1,083	1,169	0	0	0	86	0	86	0	0	0	0	86	0	0	0	0	0	86
		Sub-total			Ī	311	2,169	6,250	5,250	5,250	19,230	7,925	27,155	0	0	0	0	27,155	0	0	0	0	0	27,155
WAT90	6917 TRAN	NSMISSION OPERATIONS OPTIMIZE	<u>ER</u>		-																			

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Priority Public No. Sub-priority No. Sub			- g																						
Sub- Process No. Process Process No. Process No. Process								Curre	ent and Fu	uture Year	Cash Flov	w Commitr	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	nitments I	Financed	Ву		
No. Part				Ward	Stat.	Cat.	2018	2019	2020	2021	2022				Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2	Recov		Total Financing
OFFINIZE SUSTINAMENTING STORM			· · · · · · · · · · · · · · · · · · ·																						
OPTIMIZER-2018 SC SU-MATER 3UST ANABEITY PROCRAM WATER SUST ANABEITY PROCRAM WAS STANDEY POWER - ROSEHILL 2018 C CW S3 04 5.19 5.100 1.800 1.30 14 5.500 1.800 1.33 14 5.504 C 0 13.546 0 0 7.83 0 8.49 0 0 3.544 0 0 0 1.116 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	8		CW	S2	04	282	0	0	0	0	282	0	282	0	0	0	0	94	() (188	0	0	282
National National	0	13		CW	S3	04	3	0	0	0	0	3	0	3	0	0	0	0	1	() () 2	0	0	3
NATISE STANDEY POWER - ROSEHILL CIV S2 04 0.116 0.100 0.100 0.1000			Sub-total				285	0	0	0	0	285	0	285	0	0	0	0	95	() (190	0	0	285
1 STANDBY POWER - ROSEHILL CW S2 04 6.116 5.100 1.803 13 14 13.046 0 13.046 0 0 783 0 8.349 0 0 3.914 0 0 0 0 0 0 0 0 0	WAT	906918	WATER SUSTAINABILITY PROGRAM																						
0 21 STANDBY POWER : ROSEHILL: 2018 SC CW S3 04	0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	8,675	5,271	10	0	0	13,956	0	13,956	o	0	849	0	8,906	() (4,201	0	0	13,956
2 WATER SUSTAINABILITY STANDBY POWER ELLESMEREZOISSC SUB-CONSTRUCTION 2.948 642 3.372 0 0 0 1.066 0 1.066 0 1.066 0 0 0 64 0 681 0 0 321 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	12	STANDBY POWER - ROSEHILL	CW	S2	04	6,116	5,100	1,803	13	14	13,046	0	13,046	O	0	783	0	8,349	() (3,914	0	0	13,046
POWRE FLLESMERE 2018SC Sub-load 10,865 10,013 3,425 33 14 24,350 0 24,350 0 0 1,473 0 15,557 0 0 7,320 0 0 0 MAT500819 RICLARK W.T.P. RAR 0 1 FACILITY & PROCESS EQUIPMENT UPGRADE CW 52 03 200 0 0 0 0 0 0 0 0	0	21	STANDBY POWER - ROSEHILL-2018 SC	CW	S3	04	-978	-1,000	-1,760	20	0	-3,718	0	-3,718	0	0	-223	0	-2,379	() (-1,116	0	0	-3,718
## NOTICE SECULIPMENT UPGRADES CW \$2 03 03 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	22		CW	S3	04	-2,948	642	3,372	0	0	1,066	0	1,066	0	0	64	0	681	() (321	0	0	1,066
0 1 FACILITY & PROCESS EQUIPMENT UPGRADE CW S2 03 610 500 1,454 60 35 2,899 0 2,699 0 0 161 0 2,498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Sub-total				10,865	10,013	3,425	33	14	24,350	0	24,350	0	0	1,473	0	15,557	() (7,320	0	0	24,350
0 8 PROCESS EQUIPMENT UPGRADE CW S2 03 610 500 1.454 60 35 2.659 0 2.659 0 0 161 0 2.498 0 0 0 0 0 0 0 0 0	WAT	906919	RL CLARK W.T.P. R&R																						
ENGINEERING 0 12 FACILITY & PROCESS LUPGRADES - CW S6 03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	200	0	0	0	0	200	0	200	o	0	0	0	200	() (0	0	0	200
FUTURE 0 15 PROCESS EQUIPMENT UPGRADE CW \$2 03 9,955 10,032 3,000 0 0 22,987 0 22,987 0 22,987 0 21,590 0 0 0 1,397 0 21,590 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	8		CW	S2	03	610	500	1,454	60	35	2,659	0	2,659	o	0	161	0	2,498	() (0	0	0	2,659
CONSTRUCTION 44 EVACUATION AND COMMUNICATION CW S2 03 257 20 0 0 0 0 277 0 277 0 0 0 0 0 277 0 0 0 0	0	12		CW	S6	03	0	0	0	0	0	0	1,000	1,000	0	0 0	0	0	1,000	() (0	0	0	1,000
SYSTEMS 0 72 FACILITY & PROCESS UPGRADES-2018 CW S3 03	0	15		CW	S2	03	9,955	10,032	3,000	0	0	22,987	0	22,987	O	0	1,397	0	21,590	() (0	0	0	22,987
SC 0 73 PROCESS EQUIPMENT UPGRADE CW S3 03 -220 -126 326 0 0 -20 0 -20 0 0 0 0 0 -227 0 -3,504 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	44		CW	S2	03	257	20	0	0	0	277	0	277	O	0	0	0	277	() (0	0	0	277
ENGINEERING-2018 SC 0 74 PROCESS EQUIPMENT UPGRADE CW S3 03 -1,920 -1,311 -500 0 0 -3,731 0 -3,731 0 0 -227 0 -3,504 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	72		CW	S3	03	0	200	200	200	200	800	0	800	0	0 0	0	0	800	() (0	0	0	800
CONSTRUCTION-2018 SC 0 75 EVACUATION AND COMMUNICATION CW S3 03 -232 92 0 0 0 -140 0 -140 0 0 0 0 0 0 0 -140 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	73		CW	S3	03	-220	-126	326	0	0	-20	0	-20	0	0 0	0	0	-20	() (0	0	0	-20
SYSTEMS-2018 SC Sub-total 8.650 9,407 4,480 260 235 23,032 1,000 24,032 0 0 1,331 0 22,701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	74		CW	S3	03	-1,920	-1,311	-500	0	0	-3,731	0	-3,731	O	0	-227	0	-3,504	() (0	0	0	-3,731
WAT906930 DIST W/M REPLACEMENT 0 4 10 YEAR WATERMAIN REPLACEMENT CW S6 03 0 0 72,000 95,000 95,000 262,000 475,000 737,000 0 21 2011 WM REPLC CW S2 03 4 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0	0	75		CW	S3	03	-232	92	0	0	0	-140	0	-140	О	0	0	0	-140	() (0	0	0	-140
0 4 10 YEAR WATERMAIN REPLACEMENT CW S6 03 0 0 72,000 95,000 95,000 262,000 475,000 737,000 0 0 114,638 0 622,362 0 0 0 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0			Sub-total				8,650	9,407	4,480	260	235	23,032	1,000	24,032	0	0	1,331	0	22,701	() () 0	0	0	24,032
0 21 2011 WM REPLC CW S2 03 4 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0	WAT	906930	DIST W/M REPLACEMENT																						
0 29 DIST W/M REPLC - 2012 CW S2 03 69 0 0 0 0 69 0 0 0 69 0 0 0 0 0 0	0	4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	0	72,000	95,000	95,000	262,000	475,000	737,000	0	0	114,638	0	622,362	() (0	0	0	737,000
	0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	0	0	0	0	4	() (0	0	0	4
0 42 10 YEAR WATERMAIN UPGRADES CW S6 05 0 0 11,800 17,100 17,300 46,200 90,500 136,700 0 0 42,526 0 94,174 0 0 0 0 0 1	0	29	DIST W/M REPLC - 2012	CW	S2	03	69	0	0	0	0	69	0	69	0	0	0	0	69	() (0	0	0	69
	0	42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	0	11,800	17,100	17,300	46,200	90,500	136,700	0	0	42,526	0	94,174	() (0	0	0	136,700

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						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	iture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total inancing
WAT90693	30 DIST W/M REPLACEMENT																						
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	275	0	0	0	0	275	0	275	С	0	43	0	232	0	0	0	0	0	275
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	545	1,724	1,494	1,494	0	5,257	0	5,257	С) 0	0	0	5,257	0	0	0	0	0	5,257
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	106	0	0	0	0	106	0	106	С	0	33	0	73	0	0	0	0	0	106
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	4,075	0	0	0	0	4,075	0	4,075	С) 0	633	0	3,442	0	0	0	0	0	4,075
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	6	0	0	0	0	6	0	6	С	0	2	0	4	0	0	0	0	0	6
0 73	DIST W/M REPLACEMENT - 2016	CW	S2	03	5,163	374	0	0	0	5,537	0	5,537	С) 0	861	0	4,676	0	0	0	0	0	5,537
0 74	WATERMAIN UPGRADES - 2016	CW	S2	05	2,863	0	0	0	0	2,863	0	2,863	С) 0	891	0	1,972	0	0	0	0	0	2,863
0 83	DIST W/M REPLACEMENT - 2017	CW	S2	03	27,294	7,272	0	0	0	34,566	0	34,566	С) 0	5,375	0	29,191	0	0	0	0	0	34,566
0 84	WATERMAIN UPGRADES - 2017	CW	S2	05	4,808	1,476	0	0	0	6,284	0	6,284	С) 0	1,954	0	4,330	0	0	0	0	0	6,284
0 85	DIST W/M REPLACEMENT - 2018	CW	S4	03	37,555	41,704	11,690	928	0	91,877	0	91,877	С	0	14,287	0	77,590	0	0	0	0	0	91,877
0 86	WATERMAIN UPGRADES - 2018	CW	S4	05	10,349	12,027	2,921	0	0	25,297	0	25,297	С) 0	7,871	0	17,426	0	0	0	0	0	25,297
0 98	DIST W/M REPLC - 2012-2018 SC	CW	S3	03	-48	133	0	0	0	85	0	85	С) 0	0	0	85	0	0	0	0	0	85
0 100	2013 WM REPLC - UPGRADES-2018 SC	CW	S3	05	-101	101	0	0	0	0	0	0	С) 0	0	0	0	0	0	0	0	0	0
0 101	DIST W/M REPLACEMENT - 2014-2018 SC	c cw	S3	03	-255	365	0	0	0	110	0	110	С) 0	17	0	93	0	0	0	0	0	110
0 102	WATERMAIN UPGRADES - 2014-2018 SC	CW	S3	05	1	0	0	0	0	1	0	1	С) 0	0	0	1	0	0	0	0	0	1
0 103	WATERMAIN REPLACEMENT - METROLINX-2018 SC	CW	S3	03	-351	-634	302	962	0	279	0	279	С) 0	0	0	279	0	0	0	0	0	279
0 104	DIST W/M REPLACEMENT - 2015-2018 SC	c cw	S3	03	-2,677	2,358	0	0	0	-319	0	-319	С) 0	-49	0	-270	0	0	0	0	0	-319
0 105	WATERMAIN UPGRADES - 2015-2018 SC	CW	S3	05	0	265	0	0	0	265	0	265	С) 0	82	0	183	0	0	0	0	0	265
0 106	DIST W/M REPLACEMENT - 2016-2018 SC	c cw	S3	03	-4,286	7,825	0	0	0	3,539	0	3,539	С) 0	550	0	2,989	0	0	0	0	0	3,539
0 107	WATERMAIN UPGRADES - 2016-2018 SC	CW	S3	05	-2,458	2,626	0	0	0	168	0	168	С) 0	52	0	116	0	0	0	0	0	168
0 108	DIST W/M REPLACEMENT - 2017-2018 SC	c cw	S3	03	-15,598	77	15	0	0	-15,506	0	-15,506	С) 0	-2,411	0	-13,095	0	0	0	0	0	-15,506
0 109	WATERMAIN UPGRADES - 2017-2018 SC	CW	S3	05	-2,952	-320	0	0	0	-3,272	0	-3,272	С) 0	-1,017	0	-2,255	0	0	0	0	0	-3,272
0 110	DIST W/M REPLACEMENT - 2019	CW	S6	03	0	55,201	18,616	8,466	253	82,536	0	82,536	C) 0	12,834	0	69,702	0	0	0	0	0	82,536
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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

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						Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and I	uture Year	Cash F	low Comr	nitments	Financed	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	^t Reserves	Reserve Funds	Capital e from Current	Other 1	Other2	Red	Debt - coverable	Total Financing
WAT9069	030 DIST W/M REPLACEMENT																						
0 11	1 WATERMAIN UPGRADES - 2019	CW	S6	05	0	24,014	8,368	3,688	72	36,142	0	36,142	С) (11,243	3 0	24,89	99	0	0 0	0	0	36,142
	Sub-total				64,387	156,588	127,206	127,638	112,625	588,444	565,500	1,153,944	0	(210,415	0	943,52	29	0	0 0	C) (1,153,944
WAT9069	DIST W/M REHABILITATION																						
0 3	10 YEAR WATERMAIN REHABILITATION	N CW	S6	03	0	1,000	47,250	67,750	69,000	185,000	348,100	533,100	c) () (0	533,10	00	0	0 0	0	0	533,100
0 4	HYDRANT & VALVE REPAIR	CW	S2	03	2,516	0	0	0	0	2,516	0	2,516	c) () (0	2,51	16	0	0 0	0	0	2,516
0 6	WATERMAIN STRUCTURAL LINING	CW	S2	03	54,868	24,590	9,577	4,575	450	94,060	57	94,117	C) () (0	94,11	17	0	0 0	0	0	94,117
0 7	CATHODIC PROTECTION	CW	S2	03	3,033	0	0	0	0	3,033	0	3,033	c) () (0	3,03	33	0	0 0	0	0	3,033
0 30	CUT REPAIR	CW	S2	03	3,300	0	0	0	0	3,300	0	3,300	С) () (0	3,30	00	0	0 0	0	0	3,300
0 34	CUT REPAIR - FUTURE	CW	S6	03	0	0	4,300	4,300	4,300	12,900	21,500	34,400	C) () (0	34,40	00	0	0 0	0	0	34,400
0 55	HYDRANT & VALVE REPAIR-2018 SC	CW	S3	03	-1,536	1,000	0	0	0	-536	0	-536	C) () (0	-53	36	0	0 0	0	0	-536
0 56	CUT REPAIR-2018 SC	CW	S3	03	249	3,549	0	0	0	3,798	0	3,798	C) () (0	3,79	98	0	0 0	0	0	3,798
0 57	WATERMAIN STRUCTURAL LINING-201 SC	8 CW	S3	03	17,588	39,273	9,017	-4,336	-275	61,267	-57	61,210	C) () (0	61,21	10	0	0 0	0	0	61,210
0 58	CATHODIC PROTECTION-2018 SC	CW	S3	03	336	4,612	500	0	0	5,448	0	5,448	c) () (0	5,44	18	0	0 0	0	0	5,448
0 59	PRV INSPECTION & RENEWAL	CW	S4	03	110	1,600	565	0	0	2,275	0	2,275	c) () (0	2,27	75	0	0 0	0	0	2,275
0 60	INFRASTRUCTURE REHAB & UPGRAD - METROLINX	ES CW	S4	03	75	75	75	75	0	300	0	300	С) () (0	30	00	0	0 0	0	0	300
	Sub-total				80,539	75,699	71,284	72,364	73,475	373,361	369,600	742,961	0) (0	742,96	61	0	0 0	C) (742,961
WAT9069	934 DIST WATER SERVICE REPAIR																						
0 4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM) CW	S6	02	0	0	5,350	10,250	10,250	25,850	51,250	77,100	C) () (0	77,10	00	0	0 0	0	0	77,100
0 6	10 YR WATER SERVICE REPAIR - SOG	R CW	S6	02	0	0	10,000	15,000	18,000	43,000	90,000	133,000	С) () (0	133,00	00	0	0 0	0	0	133,000
0 12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	11,541	4,450	200	0	0	16,191	0	16,191	C) () (0	16,19	91	0	0 0	0	0	16,191
0 19	2010 WSR	CW	S2	02	215	0	0	0	0	215	0	215	c) () (0	21	15	0	0 0	0	0	215
0 32	WSR CUT REPAIR	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	С) () (0	1,50	00	0	0 0	0	0	1,500
0 39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	4	0	0	0	0	4	0	4	C) () (0		4	0	0 0	0	0	4
0 41	2013 WSR	CW	S2	02	111	0	0	0	0	111	0	111	C) () (0	11	11	0	0 0	0	0	111

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					i																			
							Curre	ent and Fu	iture Year	Cash Flov	w Commitr	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments I	Financed	Ву		
Sub	- Pro	piect No. Project Name									Total	Total	Total	Provincial	Fadaval			Reserve	Capital from			Deb Recove		Total
		bProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds	Current	Other 1	Other2		142.0	Financing
WAT	906934	DIST WATER SERVICE REPAIR																						
0	45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	0	3,000	3,000	3,000	9,000	15,000	24,000	0	0	0	0	24,000	0	0 0	0 0	0	0	24,000
0	52	2014 WATER SERVICE REPLACEMENT SOGR	T- CW	S2	02	273	0	0	0	0	273	0	273	0	0	0	0	273	0	0 0	0 0	0	0	273
0	59	2015 WATER SERVICE REPLACEMENT SOGR	T- CW	S2	02	1,014	0	0	0	0	1,014	0	1,014	0	0	0	0	1,014	0	o c	0 0	0	0	1,014
0	68	2016 WATER SERVICE REPLACEMENT SOGR	T- CW	S2	02	5,783	0	0	0	0	5,783	0	5,783	0	0	0	0	5,783	0	0 0	0 0	0	0	5,783
0	71	WATER SERVICE REPAIR - WM REHAE PROGRAM	B CW	S2	02	7,500	7,000	2,000	0	0	16,500	0	16,500	0	0	0	0	16,500	0) (0 0	0	0	16,500
0	72	10 YR WATER SERVICE REPAIR - WITH WM SL	H CW	S6	02	0	0	4,000	8,000	10,000	22,000	50,000	72,000	0	0	0	0	72,000	0) (0 0	0	0	72,000
0	73	WATER SERVICE REPLACEMENT - TUNNEL	CW	S6	02	0	0	50	50	2,000	2,100	5,500	7,600	0	0	0	0	7,600	0	0 0	0 0	0	0	7,600
0	74	REPLACEMENT OF FROZEN SERVICE	S CW	S2	02	22	0	0	0	0	22	0	22	0	0	0	0	22	0	0 0	0 0	0	0	22
0	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0) (0 0	0	0	1,500
0	78	2011 WSR	CW	S2	02	15	0	0	0	0	15	0	15	0	0	0	0	15	0	0 0	0 0	0	0	15
0	84	2017 WATER SERVICE REPLACEMENT SOGR	T- CW	S2	02	11,167	3,000	0	0	0	14,167	0	14,167	0	0	0	0	14,167	0	0 0	0 0	0	0	14,167
0	85	2018 WATER SERVICE REPLACEMENT SOGR	T- CW	S4	02	7,000	10,000	3,000	0	0	20,000	0	20,000	0	0	0	0	20,000	0	0 0	0 0	0	0	20,000
0	93	WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC	CW	S3	02	-1,159	5,039	4,701	1	0	8,582	0	8,582	0	0	0	0	8,582	0) (0 0	0	0	8,582
0	94	2010 WSR-2018 SC	CW	S3	02	-215	0	0	0	0	-215	0	-215	0	0	0	0	-215	0) (0 0	0	0	-215
0	96	2012 WATER SERVICE REPLC - SOGR-2018 SC	CW	S3	02	0	60	0	0	0	60	0	60	0	0	0	0	60	0	0 0	0 0	0	0	60
0	97	WSR CUT REPAIR-2018 SC	CW	S3	03	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	0	0 0	0 0	0	0	1,726
0	98	2013 WSR-2018 SC	CW	S3	02	-100	140	0	0	0	40	0	40	0	0	0	0	40	0) (0 0	0	0	40
0	99	2014 WATER SERVICE REPLACEMENT SOGR-2018 SC	T- CW	S3	02	-260	148	0	0	0	-112	0	-112	0	0	0	0	-112	0	0 0	0 0	0	0	-112
0	100	2015 WATER SERVICE REPLACEMENT SOGR-2018 SC	T- CW	S3	02	-478	425	0	0	0	-53	0	-53	0	0	0	0	-53	0) (0 0	0	0	-53
0	101	2016 WATER SERVICE REPLACEMENT SOGR-2018 SC	T- CW	S3	02	-4,954	3,424	0	0	0	-1,530	0	-1,530	0	0	0	0	-1,530	0) (0 0	0	0	-1,530
0	102	WATER SERVICE REPAIR - WM REHAE PROGRAM-2018 SC	B CW	S3	02	8,178	6,150	2,000	2,000	0	18,328	0	18,328	0	0	0	0	18,328	0) (0 0	0	0	18,328
0	103	WSR CUT REPAIRS WITH WM SL-2018 SC	3 CW	S3	02	113	1,613	0	0	0	1,726	0	1,726	0	0	0	0	1,726	C	D 0	0 0	0	0	1,726
0	104	2017 WATER SERVICE REPLACEMENT SOGR-2018 SC	T- CW	S3	02	-1,811	2,472	0	0	0	661	0	661	0	0	0	0	661	0) (0 0	0	0	661
0	105	REPLACEMENT OF FROZEN SERVICES-2018 SC	CW	S3	02	0	240	0	0	0	240	0	240	0	0	0	0	240	0) (0 0	0	0	240

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wat	ei Fio	grain																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	w Comm	itments l	inanced	Ву		
Sub-		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	- 1	Total inancing
WAT9	06934	DIST WATER SERVICE REPAIR																						
0	106	REPLACEMENT OF FROZEN SERVICES	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	0	C) C	0	2,000	C) (0	0	0	2,000
0		REPLACEMENT OF FROZEN SERVICES - 2018 SC	CW	S3	03	-1,000	-1,000	0	0	0	-2,000	0	-2,000	0	() C	0	-2,000	C) (0	0	0	-2,000
0		2019 WATER SERVICE REPLACEMENT - SOGR	CW	S6	02	0	10,000	7,000	3,000	0	20,000	0	20,000	0	() C	0	20,000	C) (0	0	0	20,000
		Sub-total				47,072	55,774	41,301	41,301	43,250	228,698	211,750	440,448	0	C	0	0	440,448	C) (0	0	0	440,448
WAT9	06935	NEW SERVICE CONNECTIONS																						
0		NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,200	0	0	0	0	5,200	0	5,200	0	C) C	0	5,200	C) (0	0	0	5,200
0		NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	30,000	0	0	0	0	30,000	0	30,000	0	() C	0	30,000	C) (0	0	0	30,000
0	14	NEW SERVICE CONNECTIONS - 10 Year	CW	S6	05	0	25,000	32,000	32,000	32,000	121,000	172,000	293,000	0	C) C	0	293,000	C) (0	0	0	293,000
0		NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE	CW	S6	05	0	0	6,000	6,000	6,000	18,000	30,000	48,000	0	() (0	48,000	C) (0	0	0	48,000
0		NEW SERVICE CONNECTIONS - SITE SERVICING-2018 SC	CW	S3	05	-552	6,946	0	0	0	6,394	0	6,394	0	() C	0	6,394	C) (0	0	0	6,394
0		NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	CW	S3	05	177	5,377	0	0	0	5,554	0	5,554	0	() C	0	5,554	С) (0	0	0	5,554
		Sub-total				34,825	37,323	38,000	38,000	38,000	186,148	202,000	388,148	0	C	0	0	388,148	C) (0	0	0	388,148
WAT9	06951	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	11,709	10,352	6,702	3,761	1,939	34,463	4,922	39,385	0	() C	0	39,385	C) (0	0	0	39,385
0	5	10 YEAR ENGINEERING	CW	S6	03	0	32,033	39,084	46,568	47,849	165,534	281,692	447,226	0	() C	0	447,226	C) (0	0	0	447,226
0	57	PPFA SALARIES - FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	0	() C	0	20,628	C) (0	0	0	20,628
0	63	ROAD RESTORATION	CW	S2	03	2,000	0	0	0	0	2,000	0	2,000	0	() C	0	2,000	C) (0	0	0	2,000
0	69	LEGAL SERVICES SALARIES	CW	S3	03	414	0	0	0	0	414	0	414	0	C) C	0	414	C) (0	0	0	414
0	70	ECS SALARIES	CW	S3	03	14,592	0	0	0	0	14,592	0	14,592	0	() C	0	14,592	C) (0	0	0	14,592
0	71	PPFA SALARIES	CW	S3	03	2,416	0	0	0	0	2,416	0	2,416	0	() C	0	2,416	C) (0	0	0	2,416
0	74	PMMD SALARIES	CW	S3	03	310	0	0	0	0	310	0	310	0	() C	0	310	C) (0	0	0	310
0	75	ROAD RESTORATION-2018 SC	CW	S3	03	669	2,621	2,151	0	0	5,441	0	5,441	0	() C	0	5,441	C) (0	0	0	5,441
0	76	CONSULTING FEES-2018 SC	CW	S3	03	6,982	4,673	1,665	617	561	14,498	-1,650	12,848	0	() C	0	12,848	C) (0	0	0	12,848

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

	ogram																						
						Curr	ent and Fu	uture Year	Cash Flor	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Commitme	ents Fi	inanced B	у		
		Ward	Stat	Cat	2018	2019	2020	2021	2022	Total	Total 2023-2027	Total 2018-2027	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current Oth	ner 1	Other2			Total inancing
		vuiu	Otat.	Out.						2010 2022		2010 2027	Subsidies									Ť	a.io.iig
77	TW SALARIES	CW	S4	03	1,930	0	0	0	0	1,930	0	1,930	0	(0 0	0	1,930	0	0	0	0	0	1,930
	Sub-total				41,022	51,971	51,894	53,238	52,641	250,766	296,424	547,190	0	(0 0	0	547,190	0	0	0	0	0	547,190
906977	ISLAND W.T.P. R&R																					İ	
1	FACILITY & PROCESS UPGRADES	CW	S2	03	458	0	0	0	0	458	0	458	0	(0	0	458	0	0	0	0	0	458
12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	3,916	750	0	0	0	4,666	0	4,666	0	(0 0	0	4,666	0	0	0	0	0	4,666
25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	56	0	0	0	0	56	0	56	0	() 3	0	53	0	0	0	0	0	56
32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	205	700	2,750	0	0	3,655	0	3,655	0	(0 0	0	3,655	0	0	0	0	0	3,655
50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	3,559	2,479	7	0	0	6,045	0	6,045	0	(0 0	0	6,045	0	0	0	0	0	6,045
51	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	CW	S2	03	34	0	0	0	0	34	0	34	0	(0	0	34	0	0	0	0	0	34
53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	0	0	1,875	1,875	0	(0	0	1,875	0	0	0	0	0	1,875
54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	0	150	0	150	300	300	600	0	(0	0	600	0	0	0	0	0	600
69	Generators` DR3 Program	CW	S2	04	80	695	650	0	0	1,425	0	1,425	0	(0 0	0	1,425	0	0	0	0	0	1,425
70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,668	527	15	0	0	2,210	0	2,210	0	(0	0	2,210	0	0	0	0	0	2,210
83	RAW WATER INTAKE CLEANING	CW	S2	03	1,228	0	0	0	0	1,228	0	1,228	0	(0	0	1,228	0	0	0	0	0	1,228
100	RAW WATER INTAKE CLEANING - FUTURE			03	0	0	0			100	2,900	3,000	0	(0	0	3,000	0	0	0	0	0	3,000
101	SC			03	-76	375	375				0		0			0		0	0	0	0	0	1,424
102	ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	0	() -3	0	-53	0	0	0	0	0	-56
103	FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	CW	S3	03	241	1,404	0	0	0	1,645	0	1,645	0	(0	0	1,645	0	0	0	0	0	1,645
104	AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	CW	S3	03	-2,103	4,441	3,999	7	0	6,344	0	6,344	0	(0	0	6,344	0	0	0	0	0	6,344
105	TRAVELLING SCREEN REPLACEMENT-2018 SC			03	-100	445	700	0	0	1,045	0	1,045	0	(0 0	0	1,045	0	0	0	0	0	1,045
106	PLANTWIDE HVAC UPGRADES-2018 SC			04	-138	1,117	738	0	0	1,717	0	1,717	0	(0	0	1,717	0	0	0	0	0	1,717
107	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTR - 2018 SC) CW	S3	03	-4	0	0	0	0	-4	0	-4	0	(0	0	-4	0	0	0	0	0	-4
108	RAW WATER INTAKE CLEANING - 2018 SC	CW	S3	03	1,272	500	0	0	0	1,772	0	1,772	0	(0 0	0	1,772	0	0	0	0	0	1,772
	E Province P	Project No. Project Name ritySubProj No. Sub-project Name 906951 ENGINEERING 77 TW SALARIES Sub-total 906977 ISLAND W.T.P. R&R 1 FACILITY & PROCESS UPGRADES 12 FACILITY UPGRADE - FORMER MARINE YARD 25 ISLAND FILTER AIR SCOUR SYSTEM 32 TRAVELLING SCREEN REPLACEMENT 50 AMMONIA AND FLUORIDE SYSTEM UPGRADES 51 CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION 53 FACILITY & PROCESS UPGRADES - FUTURE 54 FILTER MEDIA REPLC - FUTURE 69 Generators' DR3 Program 70 PLANTWIDE HVAC UPGRADES 83 RAW WATER INTAKE CLEANING - FUTURE 101 FACILITY & PROCESS UPGRADES-2018 SC 102 ISLAND FILTER AIR SCOUR SYSTEM-2018 SC 103 FACILITY UPGRADE - FORMER MARINE YARD-2018 SC 104 AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC 105 TRAVELLING SCREEN REPLACEMENT-2018 SC 106 PLANTWIDE HVAC UPGRADES-2018 SC 107 CHEMICAL SYSTEMS' ELECTRICAL FEED DISTR - 2018 SC	Project No. Project Name ritySubProj No. Sub-project Name Ward 906951 ENGINEERING 77 TW SALARIES CW Sub-total 906977 ISLAND W.T.P. R&R 1 FACILITY & PROCESS UPGRADES CW 12 FACILITY UPGRADE - FORMER MARINE CW YARD 25 ISLAND FILTER AIR SCOUR SYSTEM CW 32 TRAVELLING SCREEN REPLACEMENT CW 150 AMMONIA AND FLUORIDE SYSTEM UPGRADES 51 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 151 DISTRIBUTION 153 FACILITY & PROCESS UPGRADES - CW 154 FILTER MEDIA REPLC - FUTURE CW 169 Generators' DR3 Program CW 170 PLANTWIDE HVAC UPGRADES CW 183 RAW WATER INTAKE CLEANING - CW 171 FACILITY & PROCESS UPGRADES-2018 CW 172 SLAND FILTER AIR SCOUR CW 173 SCC 174 SCC 175 TACILITY UPGRADE - FORMER MARINE CW 176 SYSTEM-2018 SC 177 CHEMICAL SYSTEMS C CW 178 CRUTCH CW 178 CRUTCH CW 179 CHEMICAL SYSTEMS C CW 170 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 171 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 170 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 171 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 177 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 178 CRUTCH CW 178 CRUTCH CW 179 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 170 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 171 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 172 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 174 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 175 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 176 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 177 CHEMICAL SYSTEMS' ELECTRICAL FEED CW 178 CRUTCH CW 178 CRUT	Project No. Project Name Ward Stat.	Project No. Project Name Ward Stat. Cat.	- Project No. Project Name ritySubProj No. Sub-project Name 906951 ENGINEERING 77 TW SALARIES CW S4 03 1,930 Sub-total 41,022 906977 ISLAND W.T.P. R&R 1 FACILITY & PROCESS UPGRADES CW S2 03 458 12 FACILITY UPGRADE - FORMER MARINE CW S2 03 3,916 YARD 25 ISLAND FILTER AIR SCOUR SYSTEM CW S2 03 205 30 TRAVELLING SCREEN REPLACEMENT CW S2 03 3,559 UPGRADES 51 CHEMICAL SYSTEMS' ELECTRICAL FEED CW S2 03 340 DISTRIBUTION 53 FACILITY & PROCESS UPGRADES CW S6 03 0 FACILITY & PROCESS UPGRADES CW S6 03 0 69 Generators' DR3 Program CW S2 04 80 70 PLANTWIDE HVAC UPGRADES CW S2 04 1,668 83 RAW WATER INTAKE CLEANING CW S2 03 1,228 100 RAW WATER INTAKE CLEANING CW S3 03 -76 SC 102 ISLAND FILTER AIR SCOUR SYSTEM CW S3 03 241 YARD-2018 SC CW S3 03 -2,103 UPGRADES CW S3 03 -2,103 UPGRADES CW S3 03 -2,103 UPGRADES CW S3 03 -2,103 UPGRADES CW S3 04 -138 107 CHEMICAL SYSTEMS ELECTRICAL FEED CW S3 03 -40 DISTRIBUTION CW S3 04 -138 107 CHEMICAL SYSTEMS CLECTRICAL FEED CW S3 03 -40 DISTRIBUTION CW S3 04 -138 107 CHEMICAL SYSTEMS CLECTRICAL FEED CW S3 03 -40 DISTRIBUTION CW S3 04 -138 107 CHEMICAL SYSTEMS ELECTRICAL FEED CW S3 03 -40 DISTRIBUTION CW S3 03 -40 108 RAW WATER INTAKE CLEANING CW S3 03 -41 107 CHEMICAL SYSTEMS' ELECTRICAL FEED CW S3 03 -40 DISTRIBUTION CW S3 03 -41 107 CHEMICAL SYSTEMS' ELECTRICAL FEED CW S3 03 -41 107 CHEMICAL SYSTEMS' ELECTRICAL FEED CW S3 03 -41 107 CHEMICAL SYSTEMS' ELECTRICAL FEED CW S3 03 -41	Project No. Project Name ward Stat. Cat. 2018 2019	Project No. Project Name ritySubProj No. Sub-project Name Ward Stat. Cat. 2018 2019 2020	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2023 2029 2020 2021 2022 2020	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018-2	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2023 2024 2022 2023 2024 2023 2024 2023 2024 2023 20	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018 2019 2020 2021 2022 2018 2018 2018 2018 2019 2020 2021 2022 2018 2022 20	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 20	Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 Total Total Total Total Total Constraint Project Name Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2016 2020 2021 2022 2016 2020 2020 2021 2022 2016 2020	Principal No. Project Name Ward Stat. Cot. 2018 2019 2020 2021 2022 2022 2023 202	Project No. Project Name Ward Stat Cat 2018 2019 2020 2021 2022	Property Property No. Project Name Property Project No.	Property Property	Process Proc	Process Proc		

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

	· · · · · · · · · · · · · · · · · · ·																						
						Curre	ent and Fu	uture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	ow Comn	nitments	Finance	I By		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	_	Debt - coverable	Total Financing
	1SLAND W.T.P. R&R																						
0 10	9 Generators` DR3 Program - 2018 SC	CW	S3	04	-80	-695	-570	695	650	0	0	0	0	0	0	0	0		0 () (0	0	0
	Sub-total				10,160	12,738	8,814	1,077	1,275	34,064	5,075	39,139	0	0	0	0	39,139		0 () () 0	C	39,139
WAT9069	D2/D4 TRUNK WATERMAIN UPGRADES	<u>i</u>																					
0 11	JOS - VICTORIA PARK W/M - CONST	CW	S6	05	0	0	0	0	0	0	54,000	54,000	О	0	25,971	0	18,659		0 (9,370	0	0	54,000
0 26	JOS - VICTORIA PARK W/M - ENGINEERING	CW	S6	05	0	0	0	0	300	300	2,700	3,000	О	0	1,444	. 0	1,036	1	0 (520	0	0	3,000
	Sub-total				0	0	0	0	300	300	56,700	57,000	0	0	27,415	0	19,695		0 (9,890) 0	C	57,000
WAT9073	353 LAWRENCE ALLAN REVITALIZATION PL	<u>AN</u>																					
0 1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	8,682	7,237	7,237	0	0	23,156	0	23,156	0	0	23,156	0	0	1	0 () (0	0	23,156
0 2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	3,842	3,842	0	0	0	7,684	0	7,684	0	0	7,684	0	0		0 () (0	0	7,684
0 11	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018SC	CW	S3	05	-4,762	2,738	-1,462	473	210	-2,803	0	-2,803	0	0	-2,803	0	0	1	0 () (0	0	-2,803
0 12	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-2018SC	CW	S3	05	-3,842	-3,592	3,592	3,842	0	0	0	0	0	0	0	0	0		0 () (0	0	0
	Sub-total Sub-total				3,920	10,225	9,367	4,315	210	28,037	0	28,037	0	0	28,037	0	0		0 () () 0	C	28,037
WAT9075	558 REGENT PARK CAPITAL CONTRIBUTIO	<u>N</u>																					
0 14	REGENT PARK CAPITAL CONTRIBUTIO PHASE 3 - 5	N - CW	S2	05	2,499	864	1,398	812	33	5,606	113	5,719	0	0	5,719	0	0		0 () (0	0	5,719
0 15	REGENT PARK CAPITAL CONTRIBUTIO PH3-5 - 2018 SC	N - CW	S3	05	-1,715	47	18	18	18	-1,614	-2	-1,616	0	0	-1,616	0	0		0 () (0	0	-1,616
	Sub-total				784	911	1,416	830	51	3,992	111	4,103	0	0	4,103	0	0		0 () () 0	С	4,103
WAT9079	BUSINESS IT PROJECTS																						
0 7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930		0 () (0	0	5,930
	Sub-total				1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930		0 () () 0	C	5,930
WAT9080	087 TRUNK WATERMAIN																						
0 1	TRANSMISSION SYSTEM AUTOMATION	ı cw	S2	04	392	316	673	41	92	1,514	0	1,514	0	0	0	0	1,514		0 () (0	0	1,514
0 4	JOS - REVENUE METER REPLACEMEN	T CW	S2	03	4,950	1,550	541	0	0	7,041	0	7,041	0	0	0	0	3,520		0 (3,521	0	0	7,041
0 5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	0	1,100	1,850	14,200	17,150	124,000	141,150	0	0	0	0	141,150		0 () (0	0	141,150
0 6	3RD PARTY RELOCATIONS (METROLIN	X) CW	S2	04	250	250	200	200	0	900	0	900	0	0	0	0	900		0 () (0	0	900
0 13	TRANSMISSION SYSTEM AUTOMATION-2018 SC	CW	S3	04	283	4,991	3,902	0	0	9,176	0	9,176	0	0	0	0	9,176		0 () (0	0	9,176

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

VVO	ilei Fi	rogram																							
								Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flo	w Commi	ments F	inanced	Ву		
		oject No. Project Name bProj No. Sub-project Name	V	Vard :	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total inancing
	_	7 TRUNK WATERMAIN													Cubolaloo									\top	
0	14	3RD PARTY RELOCATIONS (ME - 2018 SC	TROLINX)	CW	S3	04	-200	-200	-150	-150	0	-700	0	-700	0	0	0	0	-700	0	0	0	0	0	-700
0	15	JOS - REVENUE METER REPLA 2018 SC	CEMENT -	CW	S3	03	-1,609	1,450	459	0	0	300	0	300	0	0	0	0	150	0	0	150	0	0	300
		Sub-total					4,066	8,357	6,725	1,941	14,292	35,381	124,000	159,381	0	0	0	0	155,710	0	0	3,671	0	0	159,381
WAT	Г908248	WT&S PLANTWIDE																							
0	1	UV DISINFECTION - CONCEPTU DESIGN	JAL	CW	S2	04	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	2	UV DISINFECTION - ENGINEERI	ING	CW	S6	04	0	0	1,300	1,470	2,500	5,270	3,700	8,970	0	0	0	0	8,970	0	0	0	0	0	8,970
0	3	UV DISINFECTION - CONSTRUC	CTION	CW	S6	04	0	0	0	0	26,000	26,000	37,210	63,210	0	0	0	0	63,210	0	0	0	0	0	63,210
0	4	ZEBRA MUSSEL CONTROL - EN	IG	CW	S2	04	800	474	666	130	48	2,118	0	2,118	0	0	0	0	2,118	0	0	0	0	0	2,118
0	5	ZEBRA MUSSEL CONTROL - CONSTRUCTION		CW	S6	04	0	1,400	3,100	3,600	1,600	9,700	0	9,700	0	0	0	0	9,700	0	0	0	0	0	9,700
0	6	STANDBY POWER - PHASE 2 - E	ENG	CW	S2	04	1,282	725	850	425	500	3,782	2,125	5,907	0	0	356	0	3,777	0	0	1,774	0	0	5,907
0	7	STANDBY POWER - FUTURE		CW	S6	04	0	0	0	300	450	750	4,805	5,555	0	0	334	0	3,554	0	0	1,667	0	0	5,555
0	10	UV DISINFECTION - ISLAND WT ENGINEERING	ΓP -	CW	S2	04	1,438	500	1,350	1,290	550	5,128	230	5,358	0	0	0	0	5,358	0	0	0	0	0	5,358
0	11	UV DISINFECTION - ISLAND WT CONSTRUCTION	ΓP -	CW	S6	04	0	0	10,000	10,000	6,690	26,690	0	26,690	0	0	0	0	26,690	0	0	0	0	0	26,690
0	12	SCRUBBER AND TONNER CONI	NECTION	CW	S2	04	995	730	105	5	0	1,835	0	1,835	0	0	110	0	1,173	0	0	552	0	0	1,835
0	13	UV DISINFECTION - CONCEPTU DESIGN-2018 SC	JAL	CW	S3	04	0	248	0	0	0	248	0	248	0	0	0	0	248	0	0	0	0	0	248
0	14	ZEBRA MUSSEL CONTROL - EN SC	IG-2018	CW	S3	04	-184	-209	-216	320	127	-162	64	-98	0	0	0	0	-98	0	0	0	0	0	-98
0	15	STANDBY POWER - PHASE 2 - E SC	ENG-2018	CW	S3	04	-1,007	925	1,900	2,745	1,186	5,749	-665	5,084	0	0	304	0	3,256	0	0	1,524	0	0	5,084
0	16	UV DISINFECTION - ISLAND WT ENGINEERING-2018 SC	ΓP -	CW	S3	04	-653	145	-850	-290	0	-1,648	-30	-1,678	0	0	0	0	-1,678	0	0	0	0	0	-1,678
0	17	SCRUBBER&TONNER CONNEC IMPRO AT WTP-2018 SC	TION	CW	S3	04	-395	970	1,063	495	470	2,603	5	2,608	0	0	156	0	1,671	0	0	781	0	0	2,608
0	18	SOURCE WATER PROTECTION ONTARIO COLLABORATIVE	I-LAKE	CW	S4	04	70	375	305	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	19	STANDBY POWER - PHASE 2 - CONSTRUCTION		CW	S6	04	0	3,500	9,500	22,500	15,100	50,600	13,000	63,600	0	0	3,816	0	59,784	0	0	0	0	0	63,600
0	20	STANDBY POWER - FUTURE - CONSTRUCTION		CW	S6	04	0	0	0	0	0	0	28,000	28,000	0	0	1,680	0	26,320	0	0	0	0	0	28,000
		Sub-total					2,356	9,783	29,073	42,990	55,221	139,423	88,444	227,867	0	0	6,756	0	214,813	0	0	6,298	0	0 :	227,867
То	otal P	rogram Expenditure					387,293	546,079	517,305	481,274	443,323	2,375,274	2,133,691	4,508,965	0	0	347,745	0 4	4,118,405	0	0	42,815	0	0 4,	,508,965
												<u> </u>	l		<u> </u>									ㅗ	

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Report 7C

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

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Water	Program		

_																	
	C	Current and	Future Ye	ar Cash Fl	ow Comn	nitments aı	d Estimate	s		Curren	t and Future Year	Cash Flow 0	Commitme	nts and	Estimates	Financed By	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name Ward Stat. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges Resei	Reserve ves Funds	Capital from Current	Other 1	Other2	Debt - Recoveral Debt	le Total Financing
Financed By:																	
Development Charges	22,585	54,908	48,363	40,304	31,244	197,404	150,341	347,745	0	0	347,745	0 (0	. (0	0	0 347,745
Reserve Funds (Ind."XR" Ref.)	357,151	479,775	460,968	438,798	410,793	2,147,485	1,970,920	4,118,405	0	0	0	0 4,118,405	5 0	, (0	0	0 4,118,405
Other2 (External)	7,557	11,396	7,974	2,172	1,286	30,385	12,430	42,815	0	0	0	0 (0	. (42,815	0	0 42,815
Total Program Financing	387,293	546,079	517,305	481,274	443,323	2,375,274	2,133,691	4,508,965	0	0	347,745	0 4,118,405	5 0	(42,815	0	0 4,508,965

Status Code Description S2

S3

S2 Prior Year (With 2018 and\or Future Year Cashflow)

S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow)

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

S5 S5 New (On-going or Phased Projects) S6

S6 New - Future Year (Commencing in 2019 & Beyond)

Category Code Description

01 Health and Safety C01 Legislated C02 02

State of Good Repair C03

04 Service Improvement and Enhancement C04

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

CITY OF TORONTO

Wastewater Program

Gross Expenditures (\$000's)
Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

						Curr	ent and Fu	iture Year	Cash Flo	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	_									Total	-	T						Capital			Debt	-	
Sub Prio		peroj No. Sub-project Name peroj No. Sub-project Name	Ward	Stat. C	at. 2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2	Recover Debt	- 1	Total Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																					
0	17	STANDBY POWER GENERATION	CW	S2 (18	0	0	0	0	18	0	18	0) () 1	0	17	0	0	0	0	0	18
0	19	FERROUS UPGRADES	CW	S2 (11,521	9,230	0	0	0	20,751	0	20,751	o) (1,671	0	19,080	0	0	0	0	0	20,751
0	30	ELECTRICAL REHAB - ECAP	CW	S2 (3,428	32	0	0	0	3,460	0	3,460	О) (0	0	3,460	0	0	0	0	0	3,460
0	41	POLYMER UPGRADE	CW	S2 (6,632	21,500	21,500	21,022	20,964	91,618	200	91,818	o) (0	0	91,818	0	0	0	0	0	91,818
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2 (3 472	0	0	0	0	472	0	472	О) (0	0	472	0	0	0	0	0	472
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2 (1,876	1,530	250	49	0	3,705	0	3,705	О) (298	0	3,407	0	0	0	0	0	3,705
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2 (153	0	0	0	0	153	0	153	О) (12	0	141	0	0	0	0	0	153
0	189	PROCESS AND EQUIPMENT	CW	S2 (1,682	1,127	1,100	0	0	3,909	0	3,909	О) (0	0	3,909	0	0	0	0	0	3,909
0	190	GROUND AND FACILITIES	CW	S2 (3 440	440	440	0	0	1,320	0	1,320	О) (0	0	1,320	0	0	0	0	0	1,320
0	200	PROCESS AND FACILTIES - FUTURE	CW	S6 (3 (0	0	0	0	0	9,700	9,700	О) (0	0	9,700	0	0	0	0	0	9,700
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	cw	S2 (3,854	2,104	3,104	1,030	4	10,096	4	10,100	О) (0	0	10,100	0	0	0	0	0	10,100
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2 (920	0	0	0	0	920	0	920	О) (0	0	920	0	0	0	0	0	920
0	225	DIGESTER CLEANING & UPGRADES - FUTURE	CW	S6 (3 (0	0	100	6,300	6,400	41,050	47,450	О) (0	0	47,450	0	0	0	0	0	47,450
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2 (05 680	500	250	0	0	1,430	0	1,430	О) (0	0	1,430	0	0	0	0	0	1,430
0	227	AIR HEADER REHAB	CW	S2 (3,393	0	0	0	0	3,393	0	3,393	О) (0	0	3,393	0	0	0	0	0	3,393
0	229	D BUILDING PHASE 2	CW	S2 (1,010	11,200	11,000	11,000	11,000	45,210	510	45,720	О) (0	0	45,720	0	0	0	0	0	45,720
0	246	NEW FLEET PURCHASES	CW	S2 ()4 25	0	0	0	0	25	0	25	О) (0	0	25	0	0	0	0	0	25
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2 (3 470	0	0	0	0	470	0	470	o) (0	0	470	0	0	0	0	0	470
0	255	FINAL TANK UPGRADES - TANKS 10 & 1	1 CW	S6 (3 (0	0	100	1,700	1,800	2,200	4,000	О) (0	0	4,000	0	0	0	0	0	4,000
0	256	DIGESTER CLEANING - 10 YEAR PLAN	CW	S6 (3 (0	500	450	350	1,300	22,200	23,500	О) (0	0	23,500	0	0	0	0	0	23,500
0	264	HVAC CONVERSION Z-BLDG	CW	S2 (1,500	1,013	0	0	0	2,513	0	2,513	О) (0	0	2,513	0	0	0	0	0	2,513
0	284	OPERATIONS CENTRE - ENGINEERING CONSTRUCTION	& CW	S6 ()4	200	400	5,500	5,500	11,600	0	11,600	О) (0	0	11,600	0	0	0	0	0	11,600
0	285	BLOWER 7-9 OVERHAUL	CW	S2 (1,300	0	0	0	0	1,300	0	1,300	О) (0	0	1,300	0	0	0	0	0	1,300
0	287	POLYMER UPGRADE-2018 SC	CW	S3 (-6,282	1,012	17,150	-9,912	-1,990	-22	22	0	0) (0	0	0	0	0	0	0	0	0

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u> Prio		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
		ASHBRIDGES BAY WWTP REHAB																						
0	288	DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	CW	S3	03	-165	1,711	586	2,585	1	4,718	0	4,718	α	0	0	0	4,718	0	(0	0	0	4,718
0	289	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2018 SC	CW	S3	03	794	-300	25	0	0	519	0	519	o	0	42	0	477	0	(0	0	0	519
0	290	PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	CW	S3	04	-55	60	0	0	0	5	0	5	O	0	1	0	4	0	(0	0	0	5
0	291	FERROUS UPGRADES-2018 SC	CW	S3	03	1,147	474	31	0	0	1,652	0	1,652	O	0	132	0	1,520	0	(0	0	0	1,652
0	292	BLOWER STUDY	CW	S4	03	200	100	0	0	0	300	0	300	o	0	0	0	300	0	(0	0	0	300
0	293	HEATING AND AIR SYSTEMS ASSESSMENT - 2018 SC	CW	S3	03	-350	0	0	0	0	-350	0	-350	o	0	0	0	-350	0	(0	0	0	-350
0	294	OPERATIONS CENTRE - ENGINEERING 2018 SC	- CW	S3	03	-220	200	0	0	0	-20	0	-20	o	0	0	0	-20	0	(0	0	0	-20
0	295	ABTP - PROCESS ROADMAP PHASE 2 - 2018 SC	CW	S3	05	320	0	250	0	0	570	0	570	o	0	0	0	570	0	(0	0	0	570
0	296	REHAB OF GROUNDS & BUILDINGS - 2018 SC	CW	S3	03	-442	0	0	0	0	-442	0	-442	o	0	0	0	-442	0	(0	0	0	-442
0	297	STANDBY POWER GENERATION - 2018 SC	CW	S3	04	-18	0	0	0	0	-18	0	-18	o	0	-1	0	-17	0	(0	0	0	-18
0	298	ELECTRICAL REHAB - ECAP - 2018 SC	CW	S3	01	-2,864	2,753	72	0	0	-39	0	-39	o	0	0	0	-39	0	(0	0	0	-39
0	299	HVAC CONVERSION Z-BLDG - 2018 SC	CW	S3	03	500	-539	0	0	0	-39	0	-39	o	0	0	0	-39	0	(0	0	0	-39
0	300	PROCESS AND EQUIPMENT - 2018 SC	CW	S3	03	78	120	0	1,100	1,100	2,398	0	2,398	o	0	0	0	2,398	0	(0	0	0	2,398
0	301	GROUND AND FACILITIES - 2018 SC	CW	S3	03	160	160	0	440	440	1,200	0	1,200	o	0	0	0	1,200	0	(0	0	0	1,200
0	302	NEW FLEET PURCHASES - 2018 SC	CW	S3	04	0	25	25	25	25	100	0	100	o	0	0	0	100	0	(0	0	0	100
0	303	BLOWER 7-9 OVERHAUL - 2018 SC	CW	S3	03	-500	0	0	0	0	-500	0	-500	o	0	0	0	-500	0	(0	0	0	-500
0	304	D BUILDING PHASE 2 - 2018 SC	CW	S3	03	72	-9,400	0	0	0	-9,328	10,005	677	o	0	0	0	677	0	(0	0	0	677
0	305	AIR HEADER REHAB - 2018 SC	CW	S3	03	-238	2,482	0	0	0	2,244	0	2,244	o	0	0	0	2,244	0	(0	0	0	2,244
		Sub-total				31,511	47,734	56,683	33,489	45,394	214,811	85,891	300,702	0	0	2,156	0	298,546	0	() 0	0	0	300,702
WAS	000115	HUMBER T.P.																						
0	9	CO-GENERATION	CW	S2	04	269	0	0	0	0	269	0	269	o	0	0	0	269	0	(0	0	0	269
0	63	CO-GENERATION - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	o	0	0	0	-10	0	(0	0	0	-10
		Sub-total				259	0	0	0	0	259	0	259	0	0	0	0	259	0	() 0	0	0	259
WAS	000259	TRUNK SEWER SYSTEM																						

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 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 F	inanced	Bv		
											l								Capital			Del	ot -	
Sub-				. .		0040	0040	0000	0004	0000	Total	Total	Total	Provincial Grants and	Federal	Development Charges	Reserves	Reserve	from	0.1. 4	011 0	Recov	erable	Total
		oj No. Sub-project Name RUNK SEWER SYSTEM	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Subsidies	Subsidy	Charges	110301103	runus	Current	Other 1	Other2	Debt	\dashv	Financing
0	15 T	RUNK SEWER REHABILITATION - 2012	2 CW	S2	03	2,489	419	28	15	0	2,951	0	2,951	(0	0	0	2,951	0	0	0	0	0	2,951
0		ACK CREEK STS DESIGN & ONSTRUCTION	CW	S6	05	0	1,250	3,000	9,300	28,150	41,700	261,300	303,000	C	0	43,145	0	259,855	0	0	0	0	0	303,000
0	27 TI	RUNK SEWER REHABILITATION - 2014	4 CW	S2	03	29,722	8,436	1,352	10	0	39,520	0	39,520	C	0	0	0	39,520	0	0	0	0	0	39,520
0	34 B	ACK CREEK STS EA	CW	S2	05	593	0	0	0	0	593	0	593	C	0	0	0	593	0	0	0	0	0	593
0		RUNK SEWER REPLACEMENT - DRECAST	CW	S6	03	0	0	0	0	0	0	18,950	18,950	C	0	0	0	18,950	0	0	0	0	0	18,950
0	47 TI	RUNK SEWER REHABILITATION - 2016	6 CW	S2	03	22,346	12,028	732	14	0	35,120	0	35,120	C	0	0	0	35,120	0	0	0	0	0	35,120
0	53 TI	RUNK SEWER REHABILITATION - 2018	3 CW	S2	03	3,136	12,405	29,504	29,906	20,083	95,034	7,998	103,032	C	0	0	0	103,032	0	0	0	0	0	103,032
0		RUNK SEWER REHABILITATION - DRECAST	CW	S6	03	0	0	50	50	8,525	8,625	51,037	59,662	C	0	0	0	59,662	0	0	0	0	0	59,662
0		RUNK SEWER REHABILITATION - 012-2018 SC	CW	S3	03	-811	569	59	1	0	-182	0	-182	C	0	0	0	-182	0	0	0	0	0	-182
0		RUNK SEWER REHABILITATION - 014-2018 SC	CW	S3	03	-10,059	12,571	2,028	0	14	4,554	0	4,554	C	0	0	0	4,554	0	0	0	0	0	4,554
0		RUNK SEWER REHABILITATION - 016-2018 SC	CW	S3	03	981	6,013	8,315	1,521	151	16,981	0	16,981	C	0	0	0	16,981	0	0	0	0	0	16,981
0		RUNK SEWER REHABILITATION - 018-2018 SC	CW	S3	03	-494	1,557	15,470	39,679	19,528	75,740	1,501	77,241	C	0	0	0	77,241	0	0	0	0	0	77,241
0	60 B	ACK CREEK STS EA-2018 SC	CW	S3	05	-47	60	0	0	0	13	0	13	C	0	0	0	13	0	0	0	0	0	13
0	61 TI	RUNK SEWER REHABILITATION - 2018 C	3 CW	S3	03	1	0	0	0	0	1	0	1	C	0	0	0	1	0	0	0	0	0	1
		Sub-total				47,857	55,308	60,538	80,496	76,451	320,650	340,786	661,436	0	0	43,145	0	618,291	0	0	0	0	0	661,436
WASO	00442 B	ASEMENT FLOODING RELIEF																						
0		ASEMENT FLOODING PROTECTION JBSIDY PROGRAM	CW	S2	04	4,600	5,500	0	0	0	10,100	0	10,100	C	0	0	0	10,100	0	0	0	0	0	10,100
0	8 B	ASEMENT FLOODING STUDIES & EAS	S CW	S2	04	1,330	200	200	100	0	1,830	0	1,830	C	0	0	0	1,830	0	0	0	0	o	1,830
0		ASEMENT FLOODING RELIEF - TUNNE ROJECT	EL CW	S2	04	3,455	1,545	7,900	35,000	35,000	82,900	90,000	172,900	C	0	0	0	172,900	0	0	0	0	0	172,900
0	14 B.	ASEMENT FLOODING DESIGN - GROU	JP CW	S2	04	272	1,075	0	0	0	1,347	0	1,347	C	0	0	0	1,347	0	0	0	0	0	1,347
0	18 B	ASEMENT FLOODING DESIGN - GROU	JP CW	S2	04	1,959	2,390	2,000	0	0	6,349	0	6,349	C	0	0	0	6,349	0	0	0	0	0	6,349
0	19 B.	ASEMENT FLOODING RELIEF - GROU	P CW	S2	04	11,241	10,927	16,545	7,500	0	46,213	0	46,213	C	0	0	0	46,213	0	0	0	0	0	46,213
0	20 B.	ASEMENT FLOODING DESIGN - GROU	JP CW	S2	04	2,881	309	2,320	0	0	5,510	0	5,510	C	0	0	0	5,510	0	0	0	0	0	5,510
0	29 B.	ASEMENT FLOODING RELIEF - GROU	P CW	S2	04	2,558	55	0	0	0	2,613	0	2,613	(0	0	0	2,613	0	0	0	0	0	2,613
													•										•	

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

							Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
Sub	- Pro	ject No. <u>Project Name</u>									Total	Total	Total	Provincial Grants and	Federal	Development	Reserves	Reserve	Capital from			Deb Recove		Total
			Nard	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WAS	000442	BASEMENT FLOODING RELIEF																						.
0	52	BASEMENT FLOODING RELIEF - FUTURE	CW	S6	04	0	0	0	0	0	0	230,000	230,000	0	0	0	0	230,000	0) (0 0	0	0	230,000
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	926	954	982	0	0	2,862	0	2,862	0	0	0	0	2,862	0) (0	0	0	2,862
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	21,536	15,430	16,335	14,270	14,400	81,971	37,884	119,855	0	0	0	0	119,855	0) (0	0	0	119,855
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	4,501	3,550	2,850	1,800	1,500	14,201	2,150	16,351	0	0	0	0	16,351	0) (0	0	0	16,351
0	84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	81	83	4,286	5,289	9,739	26,485	36,224	0	0	0	0	36,224	0) (0	0	0	36,224
0	85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	1,000	1,025	2,025	5,524	7,549	0	0	0	0	7,549	0) (0 0	0	0	7,549
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S2	04	45,007	66,350	72,859	85,700	116,901	386,817	377,905	764,722	0	0	0	0	764,722	. 0) (0 0	0	0	764,722
0	90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	0	600	1,100	1,500	3,200	9,000	12,200	0	0	0	0	12,200	0) (0	0	0	12,200
0	91	BASEMENT FLOODING DESIGN - GROUP 5	CW	S6	04	0	0	0	0	0	0	84,000	84,000	0	0	0	0	84,000	0) (0 0	0	0	84,000
0	93	BASEMENT FLOODING PROTECTION SUBSIDY PROG - FUTURE	CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	0	0	0	0	38,500	0) (0	0	0	38,500
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S2	04	15,153	7,840	6,388	5,000	0	34,381	0	34,381	0	0	0	0	34,381	0) (0	0	0	34,381
0	109	REAL ESTATE - IDC	CW	S2	04	131	0	0	0	0	131	0	131	0	0	0	0	131	0) (0	0	0	131
0	118	BASEMENT FLOODING PROTECTION SUBSIDY PROG-2018 SC	CW	S3	04	900	0	5,500	0	0	6,400	0	6,400	0	0	0	0	6,400	0) (0	0	0	6,400
0	119	BASEMENT FLOODING STUDIES & EAS-2018 SC	CW	S3	04	-804	456	-200	-100	0	-648	0	-648	0	0	0	0	-648	0) (0	0	0	-648
0	120	BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	CW	S3	04	769	1	0	0	0	770	0	770	0	0	0	0	770	0) (0 0	0	0	770
0	121	BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	CW	S3	04	-279	642	126	0	0	489	0	489	0	0	0	0	489	0) (0 0	0	0	489
0	122	BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	CW	S3	04	-2,499	2,670	30	0	0	201	0	201	0	0	0	0	201	0) (0 0	0	0	201
0	123	ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	CW	S3	04	13	330	0	0	0	343	0	343	0	0	0	0	343	0) (0 0	0	0	343
0	124	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2018 SC	CW	S3	04	-2,203	3,750	-2,100	2,700	2,000	4,147	28,900	33,047	0	0	0	0	33,047	0	, C	0 0	0	0	33,047
0	125	BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	CW	S3	04	-5,394	2,155	-12,342	-7,500	0	-23,081	0	-23,081	0	0	0	0	-23,081	0) (0	0	0	-23,081
0	126	BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	CW	S3	04	-1,109	1,553	-1,290	919	0	73	0	73	0	0	0	0	73	0) (0 0	0	0	73
0	127	BASEMENT FLOODING STUDIES & EAS IMPLEMENT-2018 SC	CW	S3	04	-2,057	1,773	905	-50	-500	71	-1,400	-1,329	0	0	0	0	-1,329	0) (0 0	0	0	-1,329
0	128	BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018 SC	CW	S3	04	-239	15,450	18,185	28,443	32,850	94,689	132,335	227,024	0	0	0	0	227,024	0) (0 0	0	0	227,024
0	129	BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018 SC	cw	S3	04	-32,410	-33,670	-9,119	-41,423	-63,249	-179,871	-108,751	-288,622	0	0	0	0	-288,622	. 0) (0	0	0	-288,622

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

***	JOLOWE	iter Frogram																					
							Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cur	rent and Fu	uture Year Cash Fl	ow Comm	nitments	Financed	Ву		
<u>Su</u> Pri		oject No. Project Name oProj No. Sub-project Name	Vard	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal I	Development Charges	Reserve Reserves Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
WA:	S000442	BASEMENT FLOODING RELIEF																					
0	130	BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018 SC	CW	S 3	04	-8,853	1,963	10,356	8,978	0	12,444	0	12,444	0	0	0	0 12,44	4 () (0	0	0	12,444
0	131	REAL ESTATE - IDC - 2018 SC	CW	S3	04	-131	0	0	0	0	-131	0	-131	0	0	0	0 -13	1 () (0	0	0	-131
		Sub-total				61,254	113,279	139,113	153,223	152,216	619,085	941,532	1,560,617	0	0	0	01,560,61	7 () (0	0	0	1,560,617
WA:	S000521	HIGHLAND CREEK WWTP - BUILDING SEI	RV &																				
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	681	630	0	0	0	1,311	0	1,311	0	0	0	0 1,31	1 (0 (0	0	0	1,311
0	10	HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC	CW	S3	03	2,132	-130	0	0	0	2,002	0	2,002	0	0	0	0 2,002	2 (0 (0	0	0	2,002
		Sub-total				2,813	500	0	0	0	3,313	0	3,313	0	0	0	0 3,31	3 () (0	0	0	3,313
WA:	S906322	W&WW LABORATORIES																					
0	9	LAB EQUIPMENT	CW	S2	03	248	358	209	458	0	1,273	0	1,273	0	0	0	0 1,27	3 (0 (0	0	0	1,273
0	22	LAB & EMP FACILITIES	CW	S4	04	1,800	6,500	2,500	0	0	10,800	8,450	19,250	0	0	0	0 19,250	0 (0 (0	0	0	19,250
0	27	LAB EQUIPMENT - FUTURE	CW	S4	03	254	337	242	458	102	1,393	1,050	2,443	0	0	0	0 2,44	3 (0 (0	0	0	2,443
0	32	LAB EQUIPMENT - 2018 SC	CW	S3	03	33	-358	-209	-458	0	-992	0	-992	0	0	0	0 -993	2 (0 (0	0	0	-992
		Sub-total				2,335	6,837	2,742	458	102	12,474	9,500	21,974	0	0	0	0 21,97	4 () (0	0	0	21,974
WA:	S906328	SWM END OF PIPE FACILITIES																					
0	6	DON VALLEY SWM	CW	S6	04	0	0	0	0	0	0	3,960	3,960	0	0	0	0 3,960	0 (0 (0	0	0	3,960
0	10	Etobicoke Waterfront Construction	CW	S6	04	0	0	0	0	0	0	126,160	126,160	0	0	0	0 126,160	0 (0 (0	0	0	126,160
0	11	Bonar Creek SWMF Construction	CW	S2	04	660	7,850	7,700	100	100	16,410	0	16,410	0	0	1,321	0 15,089	9 () (0	0	0	16,410
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	859	250	0	0	0	1,109	0	1,109	0	0	89	0 1,020	0 (0 (0	0	0	1,109
0	38	COATSWORTH CUT WETLAND	CW	S6	04	0	0	0	0	0	0	10,260	10,260	0	0	0	0 10,260) () (0	0	0	10,260
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	1,150	4,000	5,150	42,800	47,950	0	0	3,860	0 44,090) () (0	0	0	47,950
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S2	03	400	150	0	0	0	550	0	550	0	0	44	0 500	6 () (0	0	0	550
0	67	YR03 D1 END OF PIPE	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1 (0 (0	0	0	1
0	68	Scarborough Waterfront Construction-2018 SC	CW	S3	04	0	0	0	-1,150	-4,000	-5,150	5,150	0	0	0	0	0	0 (0 (0	0	0	0
0	69	EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC	CW	S3	04	-839	750	0	0	0	-89	0	-89	0	0	-7	0 -83	2 () (0	0	0	-89
0	70	Bonar Creek SWMF Construction-2018 SC	CW	S3	04	-160	-6,100	1,550	9,025	75	4,390	0	4,390	0	0	352	0 4,038	8 (0 (0	0	0	4,390

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							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	uture Year	Cash Flo	w Commi	itments I	Financed	Ву		
Sub- Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Debt		Total Financing
WAS	906328	SWM END OF PIPE FACILITIES																						
0	71	HUMBER BAY POND (ETOBICOKE)-2018 SC	CW	S3	03	-350	100	300	0	0	50	0	50	0	C	4	0	46	0	C	0	0	0	50
0	72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S3	04	500	250	500	0	0	1,250	0	1,250	0	C	100	0	1,150	0	C	0	0	0	1,250
0	73	YR03 D1 END OF PIPE - 2018 SC	CW	S3	04	0	1	0	0	0	1	0	1	0	C	0	0	1	0	C	0	0	0	1
		Sub-total				1,071	3,251	10,050	9,125	175	23,672	188,330	212,002	0	C	5,763	0	206,239	0	C	0	0	0	212,002
WAS	906331	SWM SOURCE CONTROL PROG																						
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	204	0	0	0	0	204	0	204	o	C	0	0	204	0	C	0	0	0	204
0	16	DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	CW	S3	04	-122	70	70	20	20	58	0	58	0	C	0	0	58	0	C	0	0	0	58
		Sub-total				82	70	70	20	20	262	0	262	0	C	0	0	262	0	C) 0	0	0	262
WAS	906380	HIGHLAND CREEK WWTP - ODOUR CON	ITROL																					
0	1	ODOUR CONTROL UPGRADES - PHASE ENG	1 CW	S2	04	620	440	439	6	0	1,505	0	1,505	0	C	120	0	1,385	0	C	0	0	0	1,505
0	2	ODOUR CONTROL UPGRADES - PHASE CONSTR	1 CW	S2	02	4,866	6,205	6,117	0	0	17,188	0	17,188	0	C	1,383	0	15,805	0	C	0	0	0	17,188
0	3	ODOUR CONTROL UPGRADES - PHASE	2 CW	S6	02	0	0	0	0	0	0	29,750	29,750	0	C	2,393	0	27,357	0	C	0	0	0	29,750
0	22	ODOUR CONTROL UPGRADES - PHASE ENG-2018 SC	1 CW	S3	04	112	-50	-236	50	50	-74	20	-54	0	C	-3	0	-51	0	C	0	0	0	-54
0	23	ODOUR CONTROL UPGRADES - PHASE CONSTR-2018 SC	1 CW	S3	02	1,005	0	-998	0	0	7	0	7	0	C	0	0	7	0	C	0	0	0	7
		Sub-total				6,603	6,595	5,322	56	50	18,626	29,770	48,396	0	C	3,893	0	44,503	0	C) 0	0	0	48,396
WAS	906486	ASHBRIDGES BAY T.P III YR2004																						
0	3	PCS-PLANT SRVS	CW	S2	04	197	0	0	0	0	197	0	197	o	C	16	0	181	0	C	0	0	0	197
0	49	PCS-PLANT SRVS-2018 SC	CW	S3	04	-177	0	0	0	0	-177	0	-177	0	C	-14	0	-163	0	C	0	0	0	-177
		Sub-total				20	0	0	0	0	20	0	20	0	C	2	0	18	0	C) 0	0	0	20
WAS	906488	HUMBER T.P II YR2004																						
0	2	PCS PLANT SERVICES	CW	S2	04	8	0	0	0	0	8	0	8	0	C	1	0	7	0	C	0 0	0	0	8
0	25	PCS PLANT SERVICES - 2018 SC	CW	S 3	04	-3	0	0	0	0	-3	0	-3	0	C	-1	0	-2	0	C	0	0	0	-3
		Sub-total				5	0	0	0	0	5	0	5	0	C	0	0	5	0	С) 0	0	0	5
WAS	906492	WET WEATHER FLOW MP																						
0	1	SWM INA/EA	CW	S2	04	548	325	0	0	0	873	0	873	0	C	70	0	803	0	C	0	0	0	873

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wa	SICWA	ilei Fiot	Ji ai i i																						
								Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	uture Year Ca	ash Flo	w Comm	itments l	Financed	Ву		
Sub Pric		oject No. oProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves F	eserve unds	Capital from Current	Other 1	Other2	De Recov Debt	bt - /erable	Total Financing
WAS	906492	WET WE	ATHER FLOW MP																						
0	2	PUBLIC E	EDUCATION	CW	S2	04	698	0	0	0	0	698	0	698	0	0	56	0	642	0) (0	0	0	698
0	11	10YR WV	VFMMP PUBLIC EDUCATION	CW	S6	04	0	610	610	610	610	2,440	2,440	4,880	0	0	0	0	4,880	0) (0	0	0	4,880
0	14	WWFMP	IMPLEMENTATION - DESIGN	CW	S2	04	918	1,400	1,450	0	0	3,768	0	3,768	0	0	303	0	3,465	0) (0	0	o	3,768
0	40	10YR WV	VFMMP IMPLEMENTATION	CW	S6	04	0	0	0	200	2,950	3,150	4,250	7,400	0	0	0	0	7,400	0) (0	0	0	7,400
0	41	SWM CO	NVEYANCE 2012	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0) (0	0	0	1
0	51	SWM CO	NVEYANCE 2014	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0) (0	0	0	1
0	58	SWM CO	NVEYANCE 2015	CW	S2	04	505	0	0	0	0	505	0	505	0	0	40	0	465	0) (0	0	0	505
0	59	CLEANIN		CW	S2	03	2,098	2,400	4,800	4,300	3,500	17,098	0	17,098	0	0	0	0	17,098	0) (0	0	0	17,098
0	60		GES BAY LANDFORMS		S2		5,000	5,000	5,000	5,000	5,000	25,000	7,500	32,500	0				32,500				0	0	32,500
0	65	CLEANIN	WATER POND ASSESSMENT & IG - 10 YEAR			03	0	0	0	0	1,500	1,500	19,500	21,000	0				21,000				0	0	21,000
0	84		NVEYANCE 2017	CW		04	2,292	1,010	0	0	0	3,302	0	3,302	0	0			3,036				0	0	3,302
0	86	GREEN S		CW		04	814	403	170	0	0	1,387	0	1,387	0				1,275	0			0	0	1,387
0	97		RONT MODELLING STUDIES	CW		05	100	100	100	100	75	475		475	0				437				0	0	475
0	98	SWINI INA	VEA-2018 SC	CW	53	04	408	415	655	440	110	2,028	0	2,028	0	0	164	0	1,864	0) (0	0	۷	2,028
0	99	WWFMP DESIGN-	IMPLEMENTATION - 2018 SC	CW	S3	04	-265	-767	-1,150	0	0	-2,182	0	-2,182	0	0	-175	0	-2,007	0) (0	0	0	-2,182
0	100	SWM CO	NVEYANCE 2012-2018 SC	CW	S3	04	0	37	0	0	0	37	0	37	0	0	3	0	34	0) (0	0	0	37
0	102	SWM CO	NVEYANCE 2015-2018 SC	CW	S3	04	-500	785	0	0	0	285	0	285	0	0	23	0	262	0) (0	0	0	285
0	103		VATER POND ASSESSMENT & IG-2018 SC	CW	S3	03	-573	1,100	-1,800	-1,300	-500	-3,073	0	-3,073	0	0	0	0	-3,073	0) (0	0	0	-3,073
0	104	ASHBRID	OGES BAY LANDFORMS-2018 SC	CW	S3	04	-5,000	-1,750	1,300	1,300	300	-3,850	4,350	500	0	0	0	0	500	0) (0	0	0	500
0	105	SWM CO	NVEYANCE 2017-2018 SC	CW	S3	04	504	582	1,660	646	0	3,392	0	3,392	0	0	273	0	3,119	0) (0	0	0	3,392
0	106		STREETS-2018 SC	CW	S3	04	79	481	95	180	40	875	0	875	0	0		0	806			0	0	0	875
0	107	2018 SC	RONT MODELLING STUDIES -		S3		-100	-75	-75	0	25	-225	290	65					60				0	0	65
0	108	PUBLIC E	EDUCATION - 2018 SC	CW	S3	04	-88	0	0	0	0	-88	0	-88	0				-81				0	0	-88
			Sub-total				7,440	12,056	12,815	11,476	13,610	57,397	38,330	95,727	0	0	1,240	0	94,487	0) (0	0	0	95,727

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							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	iture Year	Cash Flo	w Comm	tments F	inanced	Ву	,	
	Project No. Project SubProj No. Sub-p	ct Name project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
WAS9064	495 SEWER ASSET I	PLANNING																						
0 5	SEWER ASSET I	PLANNING	CW	S2	03	9,360	7,084	255	0	0	16,699	0	16,699	0	C	1,345	0	15,354	0	0	0	0	0	16,699
0 7	SEWER SYSTEM	INSPECTION	CW	S2	03	18,125	7,745	10,000	0	0	35,870	0	35,870	О	C	0	0	35,870	0	0	0	0	0	35,870
0 17	SEWER ASSET I	PLANNING - 10 YEAR	CW	S6	04	0	0	1,500	1,500	2,000	5,000	33,000	38,000	o	C	3,057	0	34,943	0	0	0	0	0	38,000
0 18	SEWER SYSTEM PLAN	I INSPECTION - 10 YEAR	CW	S6	03	0	0	1,800	10,000	10,000	21,800	50,000	71,800	o	C	0	0	71,800	0	0	0	0	0	71,800
0 21	PPD - INFRASTF STUDIES	RUCTURE PLANNING	CW	S2	05	160	0	0	0	0	160	0	160	O	C	0	0	160	0	0	0	0	0	160
0 22	PPD - INFRASTE STUDIES - 10 YF	RUCTURE PLANNING R PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	O	C	0	0	1,200	0	0	0	0	0	1,200
0 35	SEWER ASSET I	PLANNING-2018 SC	CW	S3	03	-2,679	3,690	7,995	8,000	8,000	25,006	2,000	27,006	O	C	2,173	0	24,833	0	0	0	0	0	27,006
0 36	SEWER SYSTEM	I INSPECTION-2018 SC	CW	S3	03	-8,188	2,424	-1,710	0	0	-7,474	0	-7,474	O	C	0	0	-7,474	0	0	0	0	0	-7,474
0 37	PPD - INFRASTE STUDIES-2018 S	RUCTURE PLANNING C	CW	S3	05	102	150	0	0	0	252	0	252	o	C	0	0	252	0	0	0	0	0	252
0 38	CORP IT - IDC-20	018 SC	CW	S3	04	147	0	0	0	0	147	0	147	О	C	0	0	147	0	0	0	0	0	147
	Sub-	total				17,027	21,093	19,990	19,650	20,150	97,910	85,750	183,660	0	C	6,575	0	177,085	0	0	0	0	0	183,660
WAS906	500 NEW SEWER CO	ONSTRUCTION																						
0 4	NEW SEWERS -	FUTURE	CW	S6	05	0	0	0	1,000	1,000	2,000	5,000	7,000	О	C	4,354	0	2,646	0	0	0	0	0	7,000
0 5	NEW SEWERS		CW	S2	05	560	0	0	0	0	560	0	560	o	C	348	0	212	0	0	0	0	0	560
0 24	WATERFRONT S SERVICING PLA	SANITARY MASTER N IMP	CW	S2	05	2,280	5,000	5,000	0	0	12,280	0	12,280	o	C	6,140	0	6,140	0	0	0	0	0	12,280
0 25	DOWNSVIEW LA UPGRADES	ANDS EXTERNAL	CW	S2	05	5,000	1,550	0	0	0	6,550	0	6,550	О	C	6,550	0	0	0	0	0	0	0	6,550
0 34	WATERFRONT S SERVICING PLA	SANITARY MASTER N - FUTURE	CW	S6	05	0	0	0	0	0	0	27,500	27,500	O	C	13,750	0	13,750	0	0	0	0	0	27,500
0 36	SHEPPARD SAN DON STS	ITARY SEWER AT EAST	CW	S4	05	1,000	2,000	1,000	0	0	4,000	0	4,000	0	C	2,488	0	1,512	0	0	0	0	0	4,000
0 37	NEW SEWERS-2	2018 SC	CW	S3	05	-545	73	500	0	0	28	0	28	0	C	17	0	11	0	0	0	0	0	28
0 38	DOWNSVIEW LA UPGRADES-201	ANDS EXTERNAL 8 SC	CW	S3	05	-5,000	-1,550	1,450	5,000	1,550	1,450	0	1,450	o	C	1,450	0	0	0	0	0	0	0	1,450
0 39	WATERFRONT S SERVICING PLA	SANITARY MASTER N-2018 SC	CW	S3	05	-280	500	1,500	1,500	750	3,970	0	3,970	О	C	1,985	0	1,985	0	0	0	0	0	3,970
	Sub-	total				3,015	7,573	9,450	7,500	3,300	30,838	32,500	63,338	0	C	37,082	0	26,256	0	0	0	0	0	63,338
WAS906	501 YARD & BUILDIN	IG RENOVATION																					1	
0 11	YARDS & BUILD	ING RENOVATION	CW	S2	04	2	0	0	0	0	2	0	2	0	C	0	0	2	0	0	0	0	0	2

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

App	eliuix 3. z	.010 Recommended C	αμιια	ı bu	ugei	., 2019 10) 2021 N	ecomi	nenue	u Capi	lai Fiaii													
Was	tewater Pro	ogram																						
							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Curr	ent and Fu	ture Year C	ash Flow	/ Commi	itments F	inanced	I By		
Sub- Priori		Project Name Sub-project Name	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges	R Reserves	eserve	Capital from Current	Other 1	Other2		Debt - ecoverable	Total Financing
WAS9	06501 YARD 8	BUILDING RENOVATION																						
0	12 YARDS SC	& BUILDING RENOVATION - 2018	3 CW	S3	04	-2	0	0	0	0	-2	0	-2	С	0	0	0	-2	0	0	0	J	0 (-2
		Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C)	0 (0
WAS9	06735 DIST SI	EWER REHAB OPS YR2005																						
0	10 GROUF UPGRA	° 1 SEWAGE PUMPING STATION DES	CW	S2	03	12	69	0	0	0	81	0	81	c	0	7	0	74	0	0	0	ı	0 0	81
0		² 1 SEWAGE PUMPING STATION DES -2018 SC	CW	S3	03	3	-34	20	0	0	-11	0	-11	С	0	-1	0	-10	0	0	0	1	0 0	-11
		Sub-total				15	35	20	0	0	70	0	70	0	0	6	0	64	0	0	C)	0 (70
WAS9	06741 HIGHLA	AND CREEK TP YR2005																						
0	1 WAS THE	HICKENING AND DEWATERING -	CW	S2	03	13	0	0	0	0	13	0	13	C	0	1	0	12	0	0	0	ı	0 0	13
0		HICKENING AND DEWATERING - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	С	0	-1	0	-9	0	0	0	1	0 0	-10
		Sub-total				3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	C)	0 (3
WAS9	06742 HUMBE	R TP YR2005																						
0	8 ODOUF	CONTROL ENGINEERING	CW	S2	04	10	500	100	20	0	630	0	630	c	0	0	0	630	0	0	0	i	0 0	630
0	57 ODOUF SC	R CONTROL ENGINEERING - 2018	8 CW	S3	04	295	-126	-10	0	0	159	0	159	С	0	0	0	159	0	0	0	J	0 0	
		Sub-total				305	374	90	20	0	789	0	789	0	0	0	0	789	0	0	C)	0 (789
WAS9	06743 ASHRIE	OGES BAY TP YR2005																						
0	1 MISC M	ECH ENGINEERING	CW	S2	03	500	482	80	0	0	1,062	0	1,062	С	0	85	0	977	0	0	0	,	0 0	1,062
0	7 SERVIC	CE AIR UPGRADES	CW	S2	03	1,600	75	0	0	0	1,675	0	1,675	C	0	0	0	1,675	0	0	0	1	0 0	1,675
0	61 MISC M	IECH ENGINEERING-2018 SC	CW	S3	03	0	179	0	0	0	179	0	179	С	0	14	0	165	0	0	0)	0 (179
0	62 SERVIC	CE AIR UPGRADES - 2018 SC	CW	S3	03	-1,435	1,252	0	0	0	-183	0	-183	C	0	0	0	-183	0	0	0	i	0 (-183
		Sub-total				665	1,988	80	0	0	2,733	0	2,733	0	0	99	0	2,634	0	0	C)	0 (2,733
WAS9	06755 WESTE	RN BEACHES RETROFIT																						
0	1 WESTE	RN BEACHES RETROFIT	CW	S2	03	5,561	6,342	5,885	15	86	17,889	0	17,889	c	0	1,440	0	16,449	0	0	0)	0 0	17,889
0	16 WESTE	RN BEACHES RETROFIT-2018 S	C CW	S3	03	781	-1,042	492	0	0	231	0	231	C	0	18	0	213	0	0	0	i	0 (231
		Sub-total				6,342	5,300	6,377	15	86	18,120	0	18,120	0	0	1,458	0	16,662	0	0	C)	0 (18,120
WAS9	06926 OPERA	TIONAL SUPPORT																						
0	6 FACILIT	TY RENOVATION	CW	S2	04	750	750	0	0	0	1,500	0	1,500	C	0	0	0	1,500	0	0	0)	0 (1,500

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

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							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	ow Comm	itments F	inanced	Ву		
Sub Prio		<u>pject No.</u> <u>Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt	erable	Total Financing
WAS	906926	OPERATIONAL SUPPORT																						
0	7	RENOVATION - MERTON STREET	CW	S2	04	20	0	0	0	0	20	0	20	C	0	0	0	20	0	0	0	0	0	20
0	23	EMP MONITORING NEEDS	CW	S2	04	50	0	0	0	0	50	0	50	C) 0	0	0	50	0	0	0	0	0	50
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	9,444	5,015	4,749	51	0	19,259	0	19,259	() 0	0	0	19,259	0	0	0	0	0	19,259
0	71	YARD & FACILITIES - 10 YEAR PLAN	CW	S6	03	0	0	525	1,275	1,275	3,075	6,375	9,450	C) 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	C) 0	0	0	4,840	0	0	0	0	0	4,840
0	100	DIVISIONAL SECURITY	CW	S2	04	1,030	0	0	0	0	1,030	0	1,030	C) 0	0	0	1,030	0	0	0	0	0	1,030
0	107	OFFICE MODERNIZATION - MH18	CW	S2	04	1,875	0	0	0	0	1,875	0	1,875	C) 0	0	0	1,875	5 0	0	0	0	0	1,875
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S2	04	500	1,000	2,000	400	0	3,900	0	3,900	C) 0	0	0	3,900	0	0	0	0	0	3,900
0	115	PCS UPGRADES FOR WASTEWATER TREATMENT - 2018 SC	CW	S3	04	-7,624	1,746	1,351	4,014	25	-488	0	-488	C) 0	0	0	-488	3 0	0	0	0	0	-488
0	116	DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC	CW	S3	04	-250	-750	-1,000	1,600	400	0	0	0	C	0	0	0	0	0	0	0	0	0	0
0	117	BACKUP POWER - FINCH AND DEE - 20 SC	018 CW	S3	04	0	0	0	500	0	500	0	500	C	0	0	0	500	0	0	0	0	0	500
0	118	OFFICE MODERNIZATION - MH18 - 2018 SC	8 CW	S3	04	-1,425	450	975	0	0	0	0	0	C) 0	0	0	0	0	0	0	0	0	0
0	119	RENOVATION - MERTON STREET - 201 SC	8 CW	S3	04	-10	0	0	0	0	-10	0	-10	C) 0	0	0	-10	0	0	0	0	0	-10
0	120	DIVISIONAL SECURITY - 2018 SC	CW	S3	04	5	1,135	0	0	0	1,140	0	1,140	C) 0	0	0	1,140	0	0	0	0	0	1,140
0	121	FACILITY RENOVATION - 2018 SC	CW	S3	04	0	0	750	0	0	750	0	750	C	0	0	0	750	0	0	0	0	0	750
0	122	435 KIPLING AVENUE	CW	S4	04	150	1,900	3,750	0	0	5,800	0	5,800	C	0	0	0	5,800	0	0	0	0	0	5,800
		Sub-total				4,515	11,246	13,705	8,445	2,305	40,216	9,400	49,616	0	0	0	0	49,616	0	0	0	0	0	49,616
WAS	906958	SEWER SYSTEM REHABILITATION																						
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	32	0	0	0	0	32	0	32	C) 0	3	0	29	0	0	0	0	0	32
0	5	CCTV INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	C) 0	0	0	1,200	0	0	0	0	0	1,200
0	7	10 YEAR SEWER REHABILITATION	CW	S6	03	0	2,000	33,850	55,800	56,700	148,350	323,300	471,650	C) 0	0	0	471,650	0	0	0	0	0	471,650
0	8	SPS SCADA UPGRADES - ENGINEERIN	IG CW	S2	04	224	0	0	0	0	224	0	224	C) 0	18	0	206	0	0	0	0	0	224
0	9	SEWER REHABILITATION	CW	S2	03	16,161	6,036	36	0	0	22,233	0	22,233	C) 0	0	0	22,233	3 0	0	0	0	0	22,233
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	115	0	0	0	0	115	0	115	C) 0	9	0	106	5 0	0	0	0	0	115

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

		iter i rogiam																						
							Curr	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sul</u> Pri		oject No. Project Name oProj No. Sub-project Name	Ward	Stat	Cat	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		bt - ⁄erable	Total Financing
		SEWER SYSTEM REHABILITATION		<u> </u>										Subsidies	,								\rightarrow	<u>-</u>
	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	6,300	6,265	3,928	2,128	0	18,621	0	18,621	0	C	1,498	0	17,123	0	0	0	0	0	18,621
0	79	SEWER REHABILITATION - CWD	CW	S2	03	52,158	18,200	1,700	1,700	1,700	75,458	150	75,608	o	C	0	0	75,608	0	0	0	0	0	75,608
0	91	SEWER REHABILITATION-2018 SC	CW	S3	03	8,117	17,818	13,800	5,500	4,700	49,935	0	49,935	О	C	0	0	49,935	0	0	0	0	0	49,935
0	92	SEWER REHABILITATION - CWD-2018 S	c cw	S3	03	-753	32,123	19,880	1,043	1,043	53,336	-150	53,186	О	C	0	0	53,186	0	0	0	0	0	53,186
0	94	SPS SCADA UPGRADES - ENGINEERING-2018 SC	CW	S3	04	17	512	0	0	0	529	0	529	o	C) 42	0	487	0	0	0	0	0	529
0	95	SEWAGE PUMPING STATION STANDBY POWER-2018 SC	CW	S3	02	-114	117	0	0	0	3	0	3	O	C	0	0	3	0	0	0	0	0	3
0	96	GROUP 5 SEWAGE PUMPING STATION UPGRADES-2018 SC	CW	S3	05	-1,775	-4	579	-2,048	0	-3,248	0	-3,248	O	C	-261	0	-2,987	0	0	0	0	0	-3,248
0	97	CCTV INSPECTION - 2018 SC	CW	S3	03	100	1,200	1,100	0	0	2,400	0	2,400	0	C	0	0	2,400	0	0	0	0	0	2,400
		Sub-total				81,782	84,267	74,873	64,123	64,143	369,188	323,300	692,488	0	C	1,309	0	691,179	0	0	0	0	0	692,488
WAS	906960	STREAM RESTORATION & EROSION CO	ONTRO																					
0	5	10 YEAR STREAM RESTORATION - ALL DISTRICTS	CW	S6	03	0	10	135	220	891	1,256	29,246	30,502	o	C	0	0	30,502	0	0	0	0	0	30,502
0	7	STREAM RESTORATION	CW	S2	03	1,440	0	0	0	0	1,440	0	1,440	O	C	116	0	1,324	0	0	0	0	0	1,440
0	41	WATERCOURSE - ENGINEERING	CW	S2	03	1,175	1,135	1,025	1,030	425	4,790	1,065	5,855	O	C	472	0	5,383	0	0	0	0	0	5,855
0	43	PARTNER PROJECTS	CW	S2	03	1,920	1,600	600	200	0	4,320	0	4,320	O	C	348	0	3,972	0	0	0	0	0	4,320
0	45	WATERCOURSE - CONSTRUCTION	CW	S6	03	0	2,245	2,766	1,000	0	6,011	0	6,011	O	C	0	0	6,011	0	0	0	0	0	6,011
0	51	STUDIES, EAS, MASTER PLANS	CW	S2	03	2,330	1,930	860	410	50	5,580	0	5,580	0	C) 448	0	5,132	0	0	0	0	0	5,580
0	52	CRITICAL REPAIRS	CW	S2	03	2,367	1,500	1,275	1,575	1,410	8,127	1,145	9,272	0	C	748	0	8,524	0	0	0	0	0	9,272
0	53	EMERGENCY EROSION CONTROL		S2	03	860	850	300	300	150	2,460	0	2,460	O			0	2,262	0	-	0	0	0	2,460
0	54	STUDY, EA, MASTER PLAN UPDATES - FUTURE		S6	03	0	0	0	0	500	500	2,000	2,500	0	C		0	2,500	0	0	0	0	0	2,500
0	55	STREAM RESTORATION -2018 SC	CW	S3	03	-1,042	73	0	0	0	-969	0	-969	0	C	-78	0	-891	0	0	0	0	0	-969
0	56	STUDIES, EAS, MASTER PLANS -2018 S	c cw	S3	03	-978	527	702	183	25	459	0	459	o	C	39	0	420	0	0	0	0	0	459
0	57	CRITICAL REPAIRS-2018 SC	CW	S3	03	-887	1,353	683	648	-737	1,060	-567	493	0	C	39	0	454	0	0	0	0	0	493
0	58	WATERCOURSE - CONSTRUCTION - FUTURE	CW	S6	03	0	250	1,000	2,950	7,400	11,600	21,150	32,750	0	C	0	0	32,750	0	0	0	0	0	32,750
0	59	WATERCOURSE - ENGINEERING - 2018 SC	CW	S3	03	-705	-375	275	-130	615	-320	395	75	0	C) 7	0	68	0	0	0	0	0	75

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

				3 -	-,																		
Waste	water Program																						
						Curr	ent and Fu	iture Year	Cash Flov	w Commitr	nents			Cu	rrent and Fu	ıture Year	Cash Flo	w Commi	itments I	inanced	Ву		
PriorityS	Project No. Project Name SubProj No. Sub-project Name 160 STREAM RESTORATION & EROSION CO	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del Recov Debt		Total Financing
0 60	EMERGENCY EROSION CONTROL - 2018		S3	03	-560	-550	0	0	0	-1,110	,	-1,110) (0 -90	0	-1,020	0	C) 0	0	0	-1,110
	SC																					_	
0 61	PARTNER PROJECTS - 2018 SC	CW	S3	03	-1,320	-1,000	0	0	0	-2,320	0	-2,320	C) (0 -188	0	-2,132	0	С	0	0	0	-2,320
	Sub-total				4,600	9,548	9,621	8,386	10,729	42,884	54,434	97,318	0	(0 2,059	0	95,259	0	C) C	0		97,318
WAS9069	966 SWM TRCA FUNDING																						
0 8	10 YEAR TRCA FUNDING	CW	S6	04	0	4,491	4,604	4,719	4,837	18,651	26,061	44,712	() (0 0	0	44,712	0	C	0	0	0	44,712
0 22	TORONTO WATER TRANSFER TO TRCA CAPITAL	CW	S3	04	4,382	0	0	0	0	4,382	0	4,382	C) (0 353	0	4,029	0	C	0	0	0	4,382
	Sub-total				4,382	4,491	4,604	4,719	4,837	23,033	26,061	49,094	0	(0 353	0	48,741	0	C) C	0	0	49,094
WAS9069	968 ENGINEERING																						
0 2	CONSULTING FEES	CW	S2	03	14,195	11,737	5,571	2,647	825	34,975	1,440	36,415	C) (0 0	0	36,415	0	C	0	0	0	36,415
0 52	ECS SALARIES	CW	S2	03	114	0	0	0	0	114	0	114	C) (0 0	0	114	0	C	0	0	0	114
0 59	ROAD RESTORATION	CW	S2	03	800	0	0	0	0	800	0	800	C) (0 0	0	800	0	C	0	0	0	800
0 65	ECS SALARIES - 2018 SC	CW	S3	03	14,477	0	0	0	0	14,477	0	14,477	C) (0 0	0	14,477	0	C	0	0	0	14,477
0 67	ROAD RESTORATION-2018 SC	CW	S3	03	-71	729	0	0	0	658	0	658	C) (0 0	0	658	0	C	0	0	0	658
0 68	CONSULTING FEES-2018 SC	CW	S3	03	-2,513	121	1,350	-346	320	-1,068	266	-802	C) (0 0	0	-802	0	C	0	0	0	-802
0 69	TW SALARIES	CW	S4	03	967	0	0	0	0	967	0	967	C) (0 0	0	967	0	C	0	0	0	967
	Sub-total				27,969	12,587	6,921	2,301	1,145	50,923	1,706	52,629	0	(0 0	0	52,629	0	C) (0	0	52,629
WAS9069	373 SEWER REPLACEMENT PROGRAM																						
0 3	10YR SEWER REPLACEMENT	CW	S6	03	0	0	10,500	15,000	15,000	40,500	75,000	115,500	C) (0 9,294	0	106,206	0	C	0	0	0	115,500
0 24	FORCEMAIN REPLACEMENT	CW	S2	03	25	0	0	0	0	25	0	25	C) (0 0	0	25	0	C	0	0	0	25
0 25	2012 SEWER REPLC	CW	S2	03	100	0	0	0	0	100	0	100	C) (0 0	0	100	0	C	0	0	0	100
0 35	2013 SEWER REPLC	CW	S2	03	9	0	0	0	0	9	0	9	C) (0 1	0	8	0	C	0	0	0	9
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	335	0	0	0	0	335	0	335	C) (0 27	0	308	0	C	0	0	0	335
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW	S6	03	0	0	125	825	1,350	2,300	22,100	24,400	C) (0 0	0	24,400	0	C	0	0	0	24,400
0 46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	1,483	0	0	0	0	1,483	0	1,483	C) (0 970	0	513	0	C	0	0	0	1,483
0 47	EBF REPORT	CW	S2	04	400	0	0	0	0	400	0	400	C) (0 262	0	138	0	C	0	0	0	400

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· · ·	SICWE	iter Progra	4111																					
							Curi	ent and Fu	uture Year	Cash Flov	w Commitn	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Commi	itments F	inanced	Ву		
Sub Prio			roject Name ub-project Name	Ward	Stat. C	at. 2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	De Recov Debt		Total Financing
			PLACEMENT PROGRAM																					
0	52	SEWER REI	PLACEMENT - METROLINX	CW	S2 (3 244	1,961	1,916	1,916	0	6,037	0	6,037	0	(0	0	6,037	0	0	0	0	0	6,037
0	62	SEWER REI	PLC - 2015 PROGRAM	CW	S2 (3 895	0	0	0	0	895	0	895	0	(72	0	823	0	0	0	0	0	895
0	71	SEWER REI	PLC - 2016 PROGRAM	CW	S2 (3 7,636	0	0	0	0	7,636	0	7,636	0	(615	0	7,021	0	0	0	0	0	7,636
0	75	FORCEMAIN	N REPLACEMENT - 2016	CW	S2 (3 11,008	10,900	25	25	0	21,958	0	21,958	0	(0	0	21,958	0	0	0	0	0	21,958
0	78		PLC - 2017 PROGRAM	CW			1,257	0	0	0	5,378	0		0	(0		0	0	0		0	5,378
0	79		PLC - 2018 PROGRAM		S4 (,	0	0	8,993	0		0	(0	8,269	0	0			0	8,993
0	90		R REPLC-2018 SC	CW				0	0	0	236	0		0	(0		0				0	236
0	91		R REPLC-2018 SC	CW					0	0	10	0		0	(0	9	0	0			0	10
0	92	SC	PLC - 2014 PROGRAM-2018	CW					0	0	-305	0	-305	0	(0		0	0			0	-305
0	93	SC	PLC - 2015 PROGRAM-2018		S3 (315		0	0	-372	0		0	(0		0	0			0	-372
0	94	SC	PLC - 2016 PROGRAM-2018 N REPLACEMENT - 2016-2018		S3 (0	0	0	-1,062	0		0	(0	-976	0	0			0	-1,062
0	95 96	SC	PLC - 2017 PROGRAM-2018	CW CW			-3,566 -536	10,489	22	0	-2,523	0		0			0	285 -2,320	0	0			0	-2,523
0	97	SC	PLACEMENT - METROLINX -		S3 (0	800	-51	0	-51	0	(0	-51	0	0			0	-51
0	98	2018 SC	PLC - 2019 PROGRAM	cw			18,382		2,491	0	26,800	0	26,800	0	(0		0	0			0	26,800
0	99	EBF REPOR	RT - 2018 SC	CW	S3 (4 1,000	1,624	0	0	0	2,624	0	2,624	0	(1,716	0	908	0	0	0	0	0	2,624
0	100	CSP RENEV	VAL	CW	S4 (3 1,305	1,427	2,820	129	30	5,711	0	5,711	0	() 459	0	5,252	0	0	0	0	0	5,711
			Sub-total			18,017	38,866	32,931	20,408	17,180	127,402	97,100	224,502	0	(16,388	0	208,114	0	0	0	0	0	224,502
WAS	906980	ASHBRIDGE	ES BAY T.P. YR2006																					
0	9	DEWATERIN	NG EQUIPMENT UPGRADES	CW	S2 (3 3	0	0	0	0	3	0	3	0	(0	0	3	0	0	0	0	0	3
0	43		AGREEMENT TATION - 2018 SC	CW	S3 (4 1	0	0	0	0	1	0	1	0	(0	0	1	0	0	0	0	0	1
0	44	DEWATERIN 2018 SC	NG EQUIPMENT UPGRADES -	- CW	S3 (3 (100	0	0	0	100	0	100	0	(8	0	92	0	0	0	0	0	100
			Sub-total			4	100	0	0	0	104	0	104	0	(8	0	96	0	0	0	0	0	104
WAS	906981	HIGHLAND	CREEK WWTP UPGRADES																					

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					Ì		Curre	ent and Fu	iture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	ıture Year	Cash Flov	w Commi	tments I	inanced E	Ву		
Sub Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoveral Debt	ble Tota	
		HIGHLAND CREEK WWTP UPGRADES		Otati										Subsidies										
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,167	1,015	1,057	1,152	35	5,426	0	5,426	O	0	0	0	5,426	0	C	0	0	0 5,	5,426
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	416	42	5	0	0	463	0	463	0	0	37	0	426	0	C	0	0	0	463
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	200	800	500	0	0	1,500	0	1,500	0	0	120	0	1,380	0	C	0	0	0 1,	1,500
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	120	0	0	0	0	120	0	120	0	0	0	0	120	0	C	0	0	0	120
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	6,677	5,000	5,500	0	0	17,177	0	17,177	O	0	0	0	17,177	0	C	0	0	0 17,	7,177
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	835	4,800	0	0	0	5,635	0	5,635	0	0	0	0	5,635	0	C	0	0	0 5,	5,635
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	1,522	4,000	1,300	550	50	7,422	0	7,422	0	0	0	0	7,422	0	C	0	0	0 7,	7,422
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	118	120	46	15	14	313	0	313	0	0	0	0	313	0	C	0	0	0	313
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	100	100	0	0	0	200	0	200	0	0	0	0	200	0	C	0	0	0	200
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	3,459	2,979	1,995	900	0	9,333	0	9,333	0	0	0	0	9,333	0	C	0	0	0 9,	9,333
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	14,000	14,000	12,900	12,100	0	53,000	0	53,000	0	0	0	0	53,000	0	C	0	0	0 53,	3,000
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	2,940	8,700	3,700	3,100	4,100	22,540	26,380	48,920	0	0	0	0	48,920	0	C	0	0	0 48,	3,920
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	122,000	122,000	0	0	0	0	122,000	0	C	0	0	0 122,	2,000
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6	03	0	0	0	0	0	0	2,500	2,500	0	0	0	0	2,500	0	C	0	0	0 2,	2,500
0	105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6	03	0	0	0	0	0	0	29,100	29,100	0	0	0	0	29,100	0	C	0	0	0 29,	9,100
0	123	COMMUNICATION SYSTEM	CW	S2	04	233	475	1,500	1,250	50	3,508	0	3,508	0	0	0	0	3,508	0	C	0	0	0 3,	3,508
0	139	PROCESS & FACILITY UPGRADE-2018 S	C CW	S3	04	-913	1,369	550	498	1,565	3,069	85	3,154	0	0	0	0	3,154	0	C	0	0	0 3,	3,154
0	140	BIOSOLIDS TREATMENT UPGRADES -2018 SC	CW	S3	03	482	198	26	0	0	706	0	706	0	0	58	0	648	0	C	0	0	0	706
0	141	DIGESTER GAS SYSTEM UPGRADES-2018 SC	CW	S3	03	98	0	-18	0	0	80	0	80	0	0	0	0	80	0	C	0	0	0	80
0	142	LIQUID TRAIN - ENGINEERING-2018 SC	CW	S3	03	-1,015	-4,450	1,700	2,000	-1,460	-3,225	3,207	-18	0	0	0	0	-18	0	C	0	0	0	-18
0	143	LIQUID TRAIN REPAIRS - PHASE 1-2018 SC	CW	S3	03	-1,928	32,261	33,045	18,100	10,000	91,478	0	91,478	0	0	0	0	91,478	0	C	0	0	0 91,	1,478
0	144	TRANSFORMERS AND SWITCHGEAR-2018 SC	CW	S3	05	-190	-610	300	500	0	0	0	0	0	0	0	0	0	0	C	0	0	0	0
0	145	AERATION SYSTEM & ASSOCIATED BLDG UPGRADES-2018 SC	CW	S3	04	-14,000	-14,000	-12,900	-12,100	0	-53,000	0	-53,000	0	0	0	0	-53,000	0	C	0	0	0 -53,	3,000
0	146	DIGESTER CLEANING, REHAB IMPROVEMENTS #4-7-2018 SC	CW	S3	03	-24	219	0	0	0	195	0	195	0	0	0	0	195	0	C	0	0	0	195

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

Sub- Project No. Project No. Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018 2022 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2033-2027 2018-2022 2018-20	
Priority Sub-Priority Sub-Pri	d Future Year Cash Flow Commitments Financed By
Priority Sub-Project Name	Capital Debt - Reserve from Recoverable Total
MASSINGESSI HIGHLAND CREEK WITP UPGRADES	nent Reserve from Recoverable Total se Reserves Funds Current Other 1 Other2 Debt Financing
147 PROCESS IMPROVEMENTS (ROADMAP CW S3 03 -100 -100 0 0 0 0 0 0 -200 0 200 0 0 0 0 0 0	Tananang
0 148 MECH & TECHNICAL UPGRADE CW S3 03 -91 60 0 0 0 0 0 0 0 31 0 0 0 0 0 0 0 0 0 0 0	0 0 -200 0 0 0 0 0 -200
2018 SC 150	0 0 -31 0 0 0 0 -31
SC 151 COMMUNICATION SYSTEM - 2018 SC CW S3 04 42 -275 750 970 -30 1,457 10 1,467 0 0 0 0 0 0 0 0 0	0 0 15,860 0 0 0 0 0 15,860
Name	0 0 252 0 0 0 0 0 0 252
New Substation New	0 0 1,467 0 0 0 0 0 1,467
0 2 CHLORINE FACILITY UPGRADE CW S2 01 643 0 0 0 0 0 643 0 643 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	215 0 366,345 0 0 0 0 0 366,560
0 6 NEW SUBSTATION CW S2 03 5 0 0 0 0 0 5 0 5 0 5 0 0 0 0 0 0 0	
0 7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS CW S2 01 2,677 2,710 23 23 0 5,433 0 5,433 0 <td< td=""><td>0 0 643 0 0 0 0 643</td></td<>	0 0 643 0 0 0 0 643
RECOMMENDATIONS 0 29 ADMIN BUILDING EXPANSION - CW S2 04 500 605 500 443 20 2.068 0 2.068 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 5 0 0 0 0 0
ENGINEERING 0 52 HVAC UPGRADES CW S2 03 8,016 2,150 17 17 17 0 10,200 0 10,200 0 0 0 0 81 BLOWER REPLACEMENT CW S2 03 250 100 200 750 4,700 6,000 12,650 18,650 0 0 0 0 82 DIGESTERS CLEANING REHAB CW S4 03 550 1,400 1,500 1,500 1,500 6,500 0 6,500 0 0 0 0 84 DIGESTER CLEANING & REHAB CW S6 03 0 0 0 0 0 0 0 0 0 0 6,500 0 0 0 0 0 95 REPLACEMENT OF WASTE GAS ENGINEERING CW S2 03 1,800 4,500 2,700 50 50 9,100 0 9,100 0 0 0 0 107 MESI UPGRADES CW S2 03 860 500 500 500 500 0 0 0 0 0 0 0 0 0 0 0 108 BUILDING UPGRADES ENGINEERING CW S2 03 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 5,433 0 0 0 0 0 5,433
0 81 BLOWER REPLACEMENT CW S2 03 250 100 200 750 4,700 6,000 12,650 18,650 0 0 0 0 0 82 DIGESTERS CLEANING REHAB CW S4 03 550 1,400 1,500 1,500 1,550 6,500 0 6,500 0 <td>0 0 2,068 0 0 0 0 0 2,068</td>	0 0 2,068 0 0 0 0 0 2,068
0 82 DIGESTERS CLEANING REHAB CW S4 03 550 1,400 1,500 1,500 1,550 6,500 0 6,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 10,200 0 0 0 0 0 10,200
0 84 DIGESTER CLEANING & REHAB - CW S6 03 0 0 0 0 0 0 0 6,500 6,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 18,650 0 0 0 0 0 18,650
FUTURE 0 95 REPLACEMENT OF WASTE GAS CW S2 03 1,800 4,500 2,700 50 50 9,100 0 9,100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 6,500 0 0 0 0 6,500
BURNERS 0 99 WET WEATHER FLOW CW S2 04 2,100 1,500 1,000 0 0 4,600 0 4,600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0 107 MESI UPGRADES CW S2 03 860 500 500 0 2,360 0 2,360 0 0 0 0 0 0 0 108 BUILDING UPGRADES ENGINEERING CW S2 03 100 0 0 0 100 0 100 0 100 0 0 0 0 0	
0 108 BUILDING UPGRADES ENGINEERING CW S2 03 100 0 0 0 0 100 0 100 0 0 0 0 0 0 0	0 0 4,600 0 0 0 0 0 4,600
0 114 FIELD OFFICE CW S2 03 471 0 0 0 0 471 0 471 0 0 0 0 0 115 ADMIN BUILDING EXPANSION - CW S4 04 500 5,000 6,500 6,000 4,000 22,000 3,000 25,000 0 0 0	0 0 2,360 0 0 0 0 0 2,360
0 115 ADMIN BUILDING EXPANSION - CW S4 04 500 5,000 6,500 6,000 4,000 22,000 3,000 25,000 0 0 0 CONSTRUCTION	0 0 100 0 0 0 0 0 100
CONSTRUCTION	0 0 471 0 0 0 0 0 471
0 116 SERVICE REHABAND UPGRADES CW S2 03 1 1000 500 8250 8250 8000 26000 0 26000 0 0	0 0 25,000 0 0 0 0 0 25,000
300 0,230 0,000 20,000 0 20,000 0 20,000 0 0 0 0	0 0 26,000 0 0 0 0 0 26,000
0 117 BLOWER REPLACEMENT-2018 SC CW S3 03 -250 -100 -200 -750 -4,600 -5,900 100 -5,800 0 0 0	0 0 -5,800 0 0 0 0 -5,800
0 118 WET WEATHER FLOW-2018 SC CW S3 04 -1,700 -1,000 -400 2,500 4,750 4,150 4,500 8,650 0 0 0	0 0 8,650 0 0 0 0 0 8,650

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

		itor i rogium																						
							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	nitments F	inanced	Ву		
Sub Prio		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Debt		Total Financing
WAS	906982	HUMBER WWTP UPGRADES												ĺ										
0	119	SERVICE REHAB AND UPGRADES-2018 SC	CW	S3	03	-1,000	100	-7,750	-5,750	-3,250	-17,650	4,500	-13,150	0	(0	0	-13,150	C	0	0	0	0	-13,150
0	120	ELECTRICAL CONDITION ASSESSMENT RECOMM - 2018 SC	CW	S3	01	-256	-48	0	0	0	-304	0	-304	o	(0	0	-304	C	0 0	0	0	0	-304
0	121	OPERATIONS CONTROL CENTRE - ENGINEERING - 2018 SC	CW	S3	04	117	162	300	11	407	997	0	997	0	(0	0	997	(0 0	0	0	0	997
0	122	REPLACEMENT OF WASTE GAS BURNERS - 2018 SC	CW	S3	03	-550	3,400	2,800	2,720	-10	8,360	0	8,360	0	(0	0	8,360	(0 0	0	0	0	8,360
0	123	BUILDING UPGRADES ENGINEERING - 2018 SC	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	(0	0	-100	(0	0	0	0	-100
0	124	CHLORINE FACILITY UPGRADE - 2018 SC	CW	S3	01	-638	718	0	0	0	80	0	80	0	(0	0	80	(0	0	0	0	80
0	125	NEW SUBSTATION - 2018 SC	CW	S3	03	7	20	0	0	0	27	0	27	0	(0	0	27	(0 0	0	0	0	27
0	126	HVAC UPGRADES - 2018 SC	CW	S3	03	-2,106	1,610	2,305	0	0	1,809	0	1,809	0	(0	0	1,809	(0	0	0	0	1,809
0	127	MESI UPGRADES - 2018 SC	CW	S3	03	-360	0	0	0	500	140	0	140	0	(0	0	140	(0	0	0	0	140
0	128	FIELD OFFICE - 2018 SC	CW	S3	03	191	0	0	0	0	191	0	191	0	(0	0	191	(0	0	0	0	191
		Sub-total				12,827	23,827	18,245	16,264	16,117	87,280	31,250	118,530	0	(0	0	118,530	C	0	0	0	0	118,530
WAS	906994	HIGHLAND CREEK WWTP - SOLIDS & GA	S HA																					
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	2,557	2,500	2,500	2,200	2,200	11,957	3,400	15,357	0	(1,236	0	14,121	C	0 0	0	0	0	15,357
0	3	WAS THICKENING - CONSTR	CW	S2	03	504	0	0	0	0	504	0	504	0	(41	0	463	(0 0	0	0	0	504
0	8	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S4	04	10	70	3,000	25,000	25,000	53,080	53,920	107,000	0	(8,611	0	98,389	(0 0	0	0	0	107,000
0	19	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2018 SC	CW	S3	04	-57	0	500	0	-200	243	3,050	3,293	0	(265	0	3,028	(0	0	0	0	3,293
0	20	WAS THICKENING - CONSTR-2018 SC	CW	S3	03	-9	0	0	0	0	-9	0	-9	0	(-1	0	-8	(0 0	0	0	0	-9
0	21	FLUIDIZED BED INCINERATOR	CW	S6	03	0	0	0	0	0	0	22,000	22,000	0	(0	0	22,000	(0 0	0	0	0	22,000
		Sub-total				3,005	2,570	6,000	27,200	27,000	65,775	82,370	148,145	0	(10,152	0	137,993	(0 0	0	0	0	148,145
WAS	907038	Land Acquisition for Source Water Protect																						
0	9	TRCA - CRITICAL EROSION SITES - FUTURE	CW	S6	04	0	2,000	2,000	2,000	2,000	8,000	10,000	18,000	0	(0	0	18,000	C	0 0	0	0	0	18,000
0	21	TRCA - WATERCOURSE EROSION CONTROL	CW	S6	04	0	7,500	7,500	7,500	7,500	30,000	45,000	75,000	0	(0	0	25,000	C	0 0	50,000	0	0	75,000
0	25	TRCA - SCARBOROUGH WATERFRONT WEST EA	CW	S2	04	1,200	350	0	0	0	1,550	0	1,550	0	(124	0	1,426	C	0 0	0	0	0	1,550
0	29	TRCA - CRITICAL EROSION SITES	CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	0	(644	0	7,356	(0 0	0	0	0	8,000

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	iture Year	Cash Flov	w Commi	tments F	inanced	Ву		
<u>Su</u> Pri		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WA	907038	Land Acquisition for Source Water Protect																						
0	30	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2018 SC	CW	S3	04	800	0	0	0	0	800	0	800	0	0	64	0	736	0	0	0	0	0	800
0	31	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2018 SC	CW	S3	04	-350	450	0	0	0	100	0	100	О	0	8	0	92	0	0	0	0	0	100
0	32	SUNNYSIDE SPS - WETWELL	CW	S6	03	0	0	30	400	1,660	2,090	410	2,500	О	0	201	0	2,299	0	0	0	0	0	2,500
		Sub-total				9,650	10,300	9,530	9,900	11,160	50,540	55,410	105,950	0	0	1,041	0	54,909	0	0	50,000	0	0	105,950
WA	907097	ASHBRIDGES BAY WWTP - BUILDING SE	RVIC																					
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	100	100	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	19	BIO GAS UTILIZATION	CW	S2	04	1,200	1,000	2,000	2,000	50	6,250	50	6,300	O	0	0	0	6,300	0	0	0	0	0	6,300
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	1,970	1,970	165	210	1,045	5,360	10	5,370	0	0	0	0	5,370	0	0	0	0	0	5,370
0	40	GROVE LANDSCAPING - PHASE 2	CW	S6	04	0	0	0	0	0	0	8,165	8,165	0	0	0	0	8,165	0	0	0	0	0	8,165
0	52	CONTROLLED SUBSTANCE IDENTIFICATION&ABATEMENT - FY	CW	S6	03	0	0	0	100	100	200	500	700	0	0	0	0	700	0	0	0	0	0	700
0	64	GROVE LANDSCAPING - PHASE 1	CW	S2	04	2,256	0	0	0	0	2,256	0	2,256	0	0	0	0	2,256	0	0	0	0	0	2,256
0	65	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2018 SC	CW	S3	04	404	2,700	5,309	-187	-1,045	7,181	-10	7,171	О	0	0	0	7,171	0	0	0	0	0	7,171
0	66	GROVE LANDSCAPING - PHASE 1-2018 SC	CW	S3	04	1,486	7	7	0	0	1,500	0	1,500	o	0	0	0	1,500	0	0	0	0	0	1,500
0	67	BIO GAS UTILIZATION - 2018 SC	CW	S3	04	-1,000	-200	-1,000	-1,000	1,950	-1,250	3,100	1,850	0	0	0	0	1,850	0	0	0	0	0	1,850
		Sub-total				6,416	5,577	6,581	1,123	2,100	21,797	11,815	33,612	0	0	0	0	33,612	0	0	0	0	0	33,612
WA	907098	ASHBRIDGES BAY WWTP - EFFLUENT S	YSTE																					
0	1	DISINFECTION ENGINEERING	CW	S2	02	4,456	2,497	1,607	75	75	8,710	0	8,710	0	0	700	0	8,010	0	0	0	0	0	8,710
0	2	OUTFALL CONSTRUCTION	CW	S4	02	5,000	30,000	52,000	57,000	62,000	206,000	121,000	327,000	О	0	26,316	0	300,684	0	0	0	0	0	327,000
0	13	OUTFALL ASSESSMENT	CW	S2	02	5	0	0	0	0	5	0	5	o	0	0	0	5	0	0	0	0	0	5
0	14	OUTFALL ENGINEERING	CW	S2	02	5,874	4,380	3,400	3,400	2,500	19,554	7,335	26,889	o	0	2,163	0	24,726	0	0	0	0	0	26,889
0	15	DISINFECTION SYSTEM CONSTRUCTION	N CW	S2	02	75,080	90,000	64,900	0	0	229,980	0	229,980	О	0	18,508	0	211,472	0	0	0	0	0	229,980
0	31	OUTFALL - SITE PREP	CW	S2	02	450	0	0	0	0	450	0	450	0	0	36	0	414	0	0	0	0	0	450
0	33	DISINFECTION ENGINEERING-2018 SC	CW	S3	02	-3,656	2,403	-57	1,000	417	107	133	240	О	0	21	0	219	0	0	0	0	0	240
0	34	DISINFECTION SYSTEM CONSTRUCTION-2018 SC	CW	S3	02	-24,945	-19,865	5,235	50,000	41,000	51,425	0	51,425	0	0	4,139	0	47,286	0	0	0	0	0	51,425

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

***	SICWE	iter Program																						
							Curre	ent and Fu	ıture Year	Cash Flo	v Commitm	nents			Cui	rrent and Fu	ture Year	Cash Flo	w Commit	ments F	inanced B	у		
<u>Sul</u> Pri		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current (Other 1	Other2 [Debt Recover Debt	able	Total Financing
		ASHBRIDGES BAY WWTP - EFFLUENT SY												Gubolaloo									┪	
0	35	OUTFALL ENGINEERING-2018 SC	CW	S3	02	-3,449	1,350	2,463	0	0	364	184	548	α	C	44	0	504	0	0	0	0	0	548
0	36	OUTFALL ASSESSMENT - 2018 SC	CW	S3	02	0	57	0	0	0	57	0	57	0	C	5	0	52	0	0	0	0	0	57
		Sub-total				58,815	110,822	129,548	111,475	105,992	516,652	128,652	645,304	0	C	51,932	0	593,372	0	0	0	0	0	645,304
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID TREAT	TME1																				T	
0	1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	540	0	0	0	0	540	0	540	0	C	43	0	497	0	0	0	0	0	540
0	2	ODOUR CONTROL - PRIMARY TANKS 7-9 UPGRADES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	0	C	4,917	0	56,183	0	0	0	0	0	61,100
0	3	P BLDG HEADWORKS UPGRADE	CW	S2	03	7,546	17,074	0	0	0	24,620	0	24,620	0	C	1,981	0	22,639	0	0	0	0	0	24,620
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	3,940	0	0	0	0	3,940	0	3,940	0	C	0	0	3,940	0	0	0	0	0	3,940
0	10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	6,689	7,235	4,710	5,979	2,705	27,318	16,679	43,997	0	C	0	0	43,997	0	0	0	0	0	43,997
0	12	WORK AREA 1 REHAB	CW	S2	03	10	0	0	0	0	10	0	10	0	C	0	0	10	0	0	0	0	0	10
0	39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	3,350	15,000	26,358	47,000	25,025	116,733	262,850	379,583	0	C	0	0	379,583	0	0	0	0	0	379,583
0	77	FINE BUBBLE AERATION - ENGINEERING	CW	S2	03	1,500	3,000	3,000	3,000	3,000	13,500	4,650	18,150	0	C	1,464	0	16,686	0	0	0	0	0	18,150
0	78	FINE BUBBLE AERATION - CONTRUCTION	CW	S6	03	0	0	0	0	0	0	65,000	65,000	0	C	5,234	0	59,766	0	0	0	0	0	65,000
0	80	INTEGRATED PUMPING STATION (IPS) - CONST-2018 SC	CW	S3	03	5,450	2,700	192	0	0	8,342	0	8,342	0	C	0	0	8,342	0	0	0	0	0	8,342
0	81	FINE BUBBLE AERATION - ENGINEERING-2018 SC	CW	S3	03	-1,100	-2,850	-3,000	-3,000	-3,000	-12,950	5,850	-7,100	0	C	-573	0	-6,527	0	0	0	0	0	-7,100
0	82	FINE BUBBLE AERATION - TANK #2-2018 SC	CW	S3	03	-410	316	0	0	0	-94	0	-94	0	C	-8	0	-86	0	0	0	0	0	-94
0	83	P BLDG HEADWORKS UPGRADE-2018 SC	CW	S3	03	9,479	-11,909	0	0	0	-2,430	0	-2,430	0	C	-195	0	-2,235	0	0	0	0	0	-2,430
0	84	AERATION TANK 12 & 13	CW	S6	05	0	2,000	4,000	4,000	6,300	16,300	140,850	157,150	0	C	0	0	157,150	0	0	0	0	0	157,150
0	85	INTEGRATED PUMPING STATION (IPS) - ENG - 2018 SC	CW	S3	03	511	1,041	53	-156	0	1,449	27	1,476	0	C	0	0	1,476	0	0	0	0	0	1,476
0	86	M & T PUMPING STATION CRITICAL REPAIRS - 2018 SC	CW	S3	03	-440	1,360	0	0	0	920	0	920	0	C	0	0	920	0	0	0	0	0	920
0	87	Primary and Final Tank Upgrades	CW	S4	03	42	0	0	0	0	42	0	42	0	C	3	0	39	0	0	0	0	0	42
0	88	WORK AREA 1 REHAB - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	C	0	0	-10	0	0	0	0	0	-10
		Sub-total				37,097	34,967	35,313	56,823	34,030	198,230	557,006	755,236	0	C	12,866	0	742,370	0	0	0	0	0	755,236
WAS	907100	ASHBRIDGES BAY WWTP - SOLIDS & GAS	S HA																				\exists	

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

					——.																			
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	itments F	inanced	Ву		
	Project No. Project Name SubProj No. Sub-project N		Ward :	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAS9071	100 ASHBRIDGES BAY WWTI	P - SOLIDS & GAS	S HA																					
0 3	WASTE ACTIVATED SLUI ENGINEERING	OGE UPGRADE -	CW	S2	03	3,005	2,000	2,000	2,298	400	9,703	304	10,007	0	0	805	0	9,202	0	0	0	0	0	10,007
0 4	DIGESTERS 9-12 REFUR	BISH	CW	S2	03	3,373	15,010	9,010	6,481	10	33,884	80	33,964	o	0	2,733	0	31,231	0	0	0	0	0	33,964
0 8	BIOSOLIDS PELLETIZER	RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0 22	WASTE ACTIVATED SLUI CONSTRUCTION	OGE UPGRADE -	CW	S2	03	20,000	25,000	32,000	30,000	27,000	134,000	15,000	149,000	0	0	11,991	0	137,009	0	0	0	0	0	149,000
0 25	PELLETIZER TRUCK LOA UPGRADES	DING FACILITY	CW	S2	03	937	1,290	0	0	0	2,227	0	2,227	О	0	0	0	2,227	0	0	0	0	0	2,227
0 49	DIGESTERS 9-12 REFUR	BISH-2018 SC	CW	S3	03	3,977	968	1,757	4	2	6,708	0	6,708	O	0	541	0	6,167	0	0	0	0	0	6,708
0 50	WASTE ACTIVATED SLUI ENG-2018 SC	OGE UPGRADE -	CW	S3	03	-1,073	500	500	202	1,600	1,729	500	2,229	О	0	178	0	2,051	0	0	0	0	0	2,229
0 51	WASTE ACTIVATED SLUI CONST-2018 SC	OGE UPGRADE -	CW	S3	03	-14,677	10,000	3,000	5,000	3,000	6,323	5,000	11,323	О	0	912	0	10,411	0	0	0	0	0	11,323
0 52	PRIMARY SLUDGE BUFF HEAT RECOVERY	ER TANK AND	CW	S6	04	0	150	200	1,725	3,200	5,275	225	5,500	0	0	0	0	5,500	0	0	0	0	0	5,500
0 53	PELLETIZER FACILITY		CW	S6	03	0	1,600	2,000	2,000	4,100	9,700	95,850	105,550	0	0	0	0	105,550	0	0	0	0	0	105,550
0 54	PELLETIZER TRUCK LOA UPGRADES-2018 SC	DING FACILITY	CW	S3	03	-347	-542	695	820	55	681	55	736	0	0	0	0	736	0	0	0	0	0	736
0 55	BIOSOLIDS PELLETIZER 2018 SC	RETROFIT -	CW	S3	03	0	0	400	400	400	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
	Sub-total					15,595	56,376	51,562	48,930	39,767	212,230	117,014	329,244	0	0	17,160	0	312,084	0	0	0	0	0	329,244
WAS9071	ASHBRIDGES BAY WWTI	P - O&M UPGRAD	DES		İ																			
0 5	BOILER #4 DESIGN		CW	S2	03	11	6	0	0	0	17	0	17	0	0	0	0	17	0	0	0	0	0	17
0 6	MESI UPGRADES		CW	S2	03	3,432	3,167	0	0	0	6,599	0	6,599	o	0	0	0	6,599	0	0	0	0	0	6,599
0 7	MISC MECH REHAB		CW	S2	03	6,256	0	0	0	0	6,256	0	6,256	0	0	0	0	6,256	0	0	0	0	0	6,256
0 21	MESI UPGRADES - FUTU	RE YEAR	CW	S6	03	0	0	0	3,000	3,000	6,000	15,600	21,600	0	0	0	0	21,600	0	0	0	0	0	21,600
0 35	BOILER #4 DESIGN - 201	8 SC	CW	S3	03	0	-6	0	0	0	-6	0	-6	0	0	0	0	-6	0	0	0	0	0	-6
0 36	MISC MECH REHAB - 201	8 SC	CW	S3	03	-1,856	2,200	0	0	0	344	0	344	o	0	0	0	344	0	0	0	0	0	344
0 37	MESI UPGRADES - 2018	SC	CW	S3	03	-563	-205	3,000	0	0	2,232	0	2,232	o	0	0	0	2,232	0	0	0	0	0	2,232
	Sub-total					7,280	5,162	3,000	3,000	3,000	21,442	15,600	37,042	0	0	0	0	37,042	0	0	0	0	0	37,042
WAS9071	102 ASHBRIDGES BAY WWTI	P - ODOUR CONT	<u>rrol</u>																				\exists	
0 6	BIOFILTERS UPGRADE &	REPLACEMENT	CW	S2	03	5,434	100	0	0	0	5,534	0	5,534	0	0	445	0	5,089	0	0	0	0	0	5,534

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

							Curre	ent and Fu	ture Year	Cash Flor	v Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	I By		
Sub Prio		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		bt - /erable	Total Financing
		ASHBRIDGES BAY WWTP - ODOUR CON												Cubsidies										3
	13	D BUILDING TREATMENT & BIOFILTER		S2	03	220	0	0	0	0	220	0	220	0	0	18	0	202	0	0) C	0	0	220
0	40	BIOFILTERS UPGRADE & REPLACEMENT-2018 SC	CW	S3	03	-134	1,092	850	72	0	1,880	0	1,880	0	0	152	0	1,728	0	0) (0	0	1,880
0	41	D BUILDING TREATMENT & BIOFILTER-2018 SC	CW	S3	03	-110	493	0	0	0	383	0	383	o	0	31	0	352	0	0) C	0	0	383
		Sub-total				5,410	1,685	850	72	0	8,017	0	8,017	0	0	646	0	7,371	0	0) () 0	0	8,017
WAS	907104	HUMBER WWTP - LIQUID TREATMENT &	HANI																					
0	2	SECONDARY TREATMENT UPGRADES - SOUTH - ENGINEERING	CW	S2	03	7,576	4,750	4,805	5,193	150	22,474	694	23,168	0	0	1,863	0	21,305	0	0) C	0	0	23,168
0	17	SECONDARY TREATMENT UPGRADES - NORTH PLANT	CW	S6	03	0	0	0	150	1,000	1,150	114,350	115,500	0	0	9,300	0	106,200	0	0) C	0	0	115,500
0	19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S2	03	46,555	28,500	28,500	19,003	15,000	137,558	0	137,558	0	0	11,078	0	126,480	0	0) C	0	0	137,558
0	26	SECONDARY TREATMENT UPGRADES - SOUTH - ENG-2018 SC	CW	S3	03	-4,566	-1,450	-1,505	-1,893	3,110	-6,304	5,721	-583	0	0	-45	0	-538	0	0) C	0	0	-583
0	27	SECONDARY TREATMENT UPGRADES -SOUTH-CONS-2018 SC	CW	S3	03	-23,555	-5,500	-4,500	11,997	-3,000	-24,558	27,290	2,732	0	0	217	0	2,515	0	0			0	2,732
		Sub-total				26,010	26,300	27,300	34,450	16,260	130,320	148,055	278,375	0	0	22,413	0	255,962	0	0) (0	0	278,375
WAS	907105	HUMBER WWTP - O&M UPGRADES																						
0	1	GAS COMPRESSOR SYSTEM UPGRADES	s cw	S2	03	1,050	64	0	0	0	1,114	0	1,114	0	0	0	0	1,114	0	0) C	0	0	1,114
0	2	LIQUID STREAM UPGRADES	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0) C	0	0	5
0	33	GAS COMPRESSOR SYSTEM UPGRADES - 2018 SC	s cw	S3	03	-99	453	0	0	0	354	0	354	0	0	0	0	354	0	0) C	0	0	354
0	34	LIQUID STREAM UPGRADES - 2018 SC	CW	S3	03	0	386	0	0	0	386	0	386	0	0	31	0	355	0	0) C	0	0	386
		Sub-total				956	903	0	0	0	1,859	0	1,859	0	0	31	0	1,828	0	0) (0	0	1,859
WAS	907106	HUMBER WWTP - ODOUR CONTROL																						
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	CW	S2	02	3,986	0	0	0	0	3,986	0	3,986	0	0	321	0	3,665	0	0) C	0	0	3,986
0	14	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2018 SC	CW	S3	02	-1,004	1,000	0	0	0	-4	0	-4	0	0	-1	0	-3	0	0) C	0	0	-4
		Sub-total				2,982	1,000	0	0	0	3,982	0	3,982	0	0	320	0	3,662	0	0) () 0	0	3,982
WAS	907224	SEWAGE PUMPING STATION UPGRADES	<u> </u>																					
0	1	SPS UPGRADES	CW	S2	02	4,768	1,000	0	0	0	5,768	0	5,768	0	0	464	0	5,304	0	0) C	0	0	5,768
0	18	SPS UPGRADES - GROUP 6	CW	S2	02	400	3,394	6,250	5,356	4,390	19,790	3,148	22,938	0	0	1,845	0	21,093	0	0) C	0	0	22,938
0	26	SPS UPGRADES - GROUP 7	CW	S4	02	175	375	3,025	3,125	2,600	9,300	5,400	14,700	0	0	1,184	0	13,516	0	0) C	0	0	14,700

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

					ĺ		Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flov	w Comm	itments F	inanced	Ву		
Sub Prio		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAS	907224	SEWAGE PUMPING STATION UPGRAD	<u>ES</u>																					
0	32	SPS UPGRADES - GROUP 6-2018 SC	CW	S3	02	0	497	-1,000	0	0	-503	505	2	0	0	1	0	1	0	0	0	0	0	2
0	33	SPS UPGRADES - 2018 SC	CW	S3	02	-1,766	500	750	0	0	-516	0	-516	0	0	-41	0	-475	0	0	0	0	0	-516
0	34	FACILITY & PROCESS UPGRADES	CW	S4	03	100	400	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0	35	SCOTT ST PS & SIMCOE ST PS	CW	S4	05	100	150	400	3,350	4,265	8,265	1,985	10,250	0	0	825	0	9,425	0	0	0	0	0	10,250
0	36	SPS UPGRADES - GRINDERS	CW	S6	03	0	0	100	250	200	550	3,225	3,775	0	0	0	0	3,775	0	0	0	0	0	3,775
0	37	SPS UPGRADES - GROUP 8	CW	S6	02	0	0	0	0	100	100	23,250	23,350	0	0	1,879	0	21,471	0	0	0	0	0	23,350
0	38	SPS UPGRADES - VFD	CW	S6	03	0	0	0	0	50	50	4,700	4,750	0	0	0	0	4,750	0	0	0	0	0	4,750
		Sub-total				3,777	6,316	10,025	12,581	12,105	44,804	42,213	87,017	0	0	6,157	0	80,860	0	0	0	0	0	87,017
WAS	907559	DON & WATERFRONT TRUNK CSO																						
0	1	DON & WATERFRONT TRUNK/CSO PKO - DESIGN	31 CW	S2	04	5,671	9,054	6,475	6,475	6,475	34,150	1,076	35,226	0	0	2,834	0	32,392	0	0	0	0	0	35,226
0	4	Don & Waterfront Trunk/CSO Construction PHASE 2	n - CW	S6	04	0	0	0	0	0	0	38,000	38,000	0	0	0	0	38,000	0	0	0	0	0	38,000
0	15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S4	04	6,800	2,850	0	0	0	9,650	0	9,650	0	0	776	0	8,874	0	0	0	0	0	9,650
0	17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S2	04	500	700	10,400	2,700	50	14,350	50	14,400	0	0	1,158	0	13,242	0	0	0	0	0	14,400
0	18	Don & Waterfront Trunk/CSO Construction PHASE 1	n - CW	S4	04	17,500	80,000	85,000	85,000	85,000	352,500	147,500	500,000	0	0	34,917	0	465,083	0	0	0	0	0	500,000
0	19	DCW - MTI REGULATION/RTC	CW	S6	04	0	500	5,250	6,750	2,150	14,650	150	14,800	0	0	0	0	14,800	0	0	0	0	0	14,800
0	20	DCW - HRT	CW	S6	04	0	0	150	4,000	4,000	8,150	307,650	315,800	0	0	14,000	0	301,800	0	0	0	0	0	315,800
0	21	DCW - COXWELL CONNECTIONS	CW	S6	04	0	0	0	0	0	0	75,800	75,800	0	0	0	0	75,800	0	0	0	0	0	75,800
0	22	DON & WATERFRONT TRUNK/CSO PKG - DESIGN-2018 SC	31 CW	S3	04	-1,247	1,379	0	0	0	132	0	132	0	0	11	0	121	0	0	0	0	0	132
0	23	DCW P1 OFFLINE STORAGE TANK SHEPPARD/LESLIE-2018SC	CW	S3	04	0	500	775	1,360	1	2,636	0	2,636	0	0	214	0	2,422	0	0	0	0	0	2,636
		Sub-total				29,224	94,983	108,050	106,285	97,676	436,218	570,226	1,006,444	0	0	53,910	0	952,534	0	0	0	0	0	1,006,444
WAS	907700	NORTH TORONTO WTP UPGRADES																					1	
0	2	NTTP - ELECTRICAL UPGRADES - ECA	R CW	S2	01	1,754	2,724	1,198	0	0	5,676	0	5,676	0	0	0	0	5,676	0	0	0	0	0	5,676
0	10	OPS INTERFACE NTTP	CW	S2	04	300	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	11	NTTP - PROCESS IMPROVEMENTS	CW	S2	04	4,496	4,000	1,340	50	0	9,886	0	9,886	0	0	0	0	9,886	0	0	0	0	0	9,886

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Gross Expenditures (\$000's) Appendix 3: 2018 Recommended Capital Budget; 2019 to 2027 Recommended Capital Plan

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	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
<u>Sub- Project No. Project Name</u> PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - coverable	Total Financing	
WAS907700 NORTH TORONTO WTP UPGRADES										-										
0 13 NTTP - ELECTRICAL UPGRADES - ECAR - CW S3 01 2018 SC	-594	-294	793	1,585	31	1,521	0	1,521	C) (0	0	1,521	0		0	C) 0	1,521	
0 14 NTTP - PROCESS IMPROVEMENTS - 2018 CW S3 04 SC	-3,496	1,250	3,760	0	50	1,564	0	1,564	C) (0	0	1,564	0	(0	C) 0	1,564	
Sub-total	2,460	7,680	7,091	1,635	81	18,947	0	18,947	0	(0	0	18,947	0	() 0	(0 0	18,947	
WAS908143 Georgetown South City Infrastructure Upgrades																			4	
0 1 GEORGETOWN SOUTH CITY CW S2 05 INFRASTRUCTURE UPGRADES	6,132	5,680	0	0	0	11,812	0	11,812	C) (36	0	11,776	0	(0	C) 0	11,812	
0 8 GEORGETOWN SOUTH CITY INFRASTR CW S3 05 UPGRADES - 2018 SC	-1,017	-565	0	0	0	-1,582	0	-1,582	C) (788	0	-2,370	0	(0	C) 0	-1,582	
Sub-total	5,115	5,115	0	0	0	10,230	0	10,230	0	(824	0	9,406	0	(0	(0 (10,230	
WASWP003 EMERY CREEK POND																				
0 1 EMERY CREEK POND CW S2 04	544	50	50	0	0	644	0	644	C) (52	0	592	0	(0	C) 0	644	
0 16 EMERY CREEK POND-2018 SC CW S3 04	-50	497	44	0	0	491	0	491	C) (40	0	451	0	(0	C) 0	491	
Sub-total Sub-total	494	547	94	0	0	1,135	0	1,135	0	(92	0	1,043	0	(0	(0 (1,135	
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIO																				
0 78 EQUIPMENT REPLACEMENT CW S2 03	9,032	5,802	4,000	0	0	18,834	0	18,834	C) (0	0	18,834	0	(0	C) 0	18,834	
0 135 EQUIPMENT REPLACEMENT - 2018 SC CW S3 03	-3,327	930	2,100	695	40	438	53	491	() (0	0	491	0	(0	C) 0	491	
0 136 ABTP - DIG. TANKS #1-8 MODS. CW S4 03	1	0	0	0	0	1	0	1	C) (0	0	1	0	(0	C) 0	1	
Sub-total	5,706	6,732	6,100	695	40	19,273	53	19,326	0	(0	0	19,326	0) 0	(0 (19,326	
Total Program Expenditure	576,796	902,255	944,840	891,360	791,545	4,106,796	4,207,336	8,314,132	0	(299,295	0	7,964,837	0	(50,000	(0 (8,314,132	

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Report 7C

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

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Wastewater Program																			
		C	Current and	Future Ye	ar Cash F	low Comr	nitments ar	nd Estimate	s		Curren	t and Future Ye	ear Cash Flow C	Commitme	nts and	Estimate	s Financed B	у	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name	Ward Stat. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges Re	Reserve serves Funds	Capital from Current	Other 1	Other2	Debt Recove Debt	rable	Total Financing
Financed By:											_								
Development Charges		23,194	37,577	38,917	38,007	25,423	163,118	136,177	299,295	0	0	299,295	0 0	0) () (0	0	299,295
Reserve Funds (Ind."XR" Ref.)		553,602	859,678	900,923	848,353	761,122	3,923,678	4,041,159	7,964,837	0	0	0	07,964,837	7 0) () (0	0	7,964,837
Other2 (External)		0	5,000	5,000	5,000	5,000	20,000	30,000	50,000	0	0	0	0 0	0) (50,000	0	0	50,000
Total Program Financing		576,796	902,255	944,840	891,360	791,545	4,106,796	4,207,336	8,314,132	0	0	299,295	07,964,837	7 0) (50,000	0	0	8,314,132

S2	S2 Prior Year (With 2018 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)
S6	S6 New - Future Year (Commencing in 2019 & Beyond)
Category	Code Description

01 Health and Safety C01 02 Legislated C02 03 State of Good Repair C03 04

Status Code Description

Service Improvement and Enhancement C04

05 Growth Related C05 Reserved Category 1 C06 07 Reserved Category 2 C07 2018 Capital Budget Toronto Water

Appendix 4

2018 Cash Flow and Future Year Commitments

CITY OF TORONTO

WAT000363 ENGINEERING STUDIES

ABATEMENT

CORROSION CONTROL

IMPROVED TREATMENT STUDIES

CONTROLLED SUBSTANCES ID AND

ENERGY EFFICIENCY IMPLEMENTATION CW S2 04

CW S2 04

CW S2 02

CW S2 02

0 2

0 31

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

Αp	pend	lix 4: 2018 Cash Flow and Fu	iture	Yea	r Co	mmitme	nts																
Wa	ter Pı	ogram																					
							Curr	ent and F	uture Yea	r Cash Flo	w Commitn	nents			Curre	ent and Fu	uture Year Cash	n Flow Com	mitments	Financ	ed By		
	oritySu	bject No. Project Name bProj No. Sub-project Name HORGAN W.T.P. EXPANSION	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal De Subsidy	evelopment Charges	Rese Reserves Funda			1 Other	r2 Del	Debt - Recoverable bt	Total Financing
	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	cw	S2	05	83	0	0	0	0	83	0	83	0	0	27	0	29	0	0 :	27	0 0	83
0	39	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	0	0	0	0	40	40	0	40	o	0	13	0	14	0	0	13	0 0	40
0	40	PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018 SC	cw	S3	05	-75	0	0	0	0	-75	0	-75	О	0	-24	0	-27	0	0 -:	24	0 0	-75
0	41	PLANT EXPANSION - CONSTRUCTION-2018 SC	CW	S3	05	0	0	0	0	1	1	0	1	o	0	0	0	1	0	0	0	0 0	1
		Sub-total				8	0	0	0	41	49	0	49	0	0	16	0	17	0	0	16	0 0	49
WA	Γ000014	WATER STORAGE EXPANSION																					
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	37	0	0	0	0	37	0	37	a	0	15	0	8	0	0	14	0 0	37
		Sub-total				37	0	0	0	0	37	0	37	0	0	15	0	8	0	0	14	0 0	37
WA	Γ000018	CLARK RESIDUE MGMT. FACILITIES												Ï									
0	24	RESIDUALS RETROFITS AND UPGRADE	s cw	S2	02	2,841	700	0	0	0	3,541	0	3,541	o	0	0	0 3,	,541	0	0	0	0 0	3,541
0	30	RESIDUALS RETROFITS AND UPGRADE - 2018 SC	s cw	S3	02	42	2,050	0	0	0	2,092	0	2,092	o	0	0	0 2,	,092	0	0	0	0 0	2,092
		Sub-total				2,883	2,750	0	0	0	5,633	0	5,633	0	0	0	0 5,	,633	0	0	0	0 0	5,633
WA	Γ000021	WATER EFFICIENCY PROGRAM																					
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	0	0	0	600	0	600	o	0	600	0	0	0	0	0	0 0	600
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	225	150	0	0	0	375	0	375	o	0	375	0	0	0	0	0	0 0	375
0	12	ANCILLARY COSTS	CW	S2	05	70	70	35	0	0	175	0	175	o	0	175	0	0	0	0	0	0 0	175
0	94	PUBLIC EDUCATION & PROMOTIONS - 2018 SC	CW	S3	05	-150	-75	75	75	75	0	0	0	O	0	0	0	0	0	0	0	0 0	0
0	95	ICI INDOOR WATER AUDIT - 2018 SC	CW	S3	05	0	0	300	300	300	900	0	900	O	0	900	0	0	0	0	0	0 0	900
0	96	ANCILLARY COSTS - 2018 SC	CW	S3	05	0	0	35	70	70	175	0	175	o	0	175	0	0	0	0	0	0 0	175
		Sub-total				445	445	445	445	445	2,225	0	2,225	0	0	2,225	0	0	0	0	0	0 0	2,225

CITY OF TORONTO

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

							Curr	ent and Fi	uture Year	Cash Flor	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flov	w Commi	tments F	inanced B	Ву		
Priorit																								
WATOO		ect No. Project Name Proj No. Sub-project Name	Vard	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt		Total Financing
	00363	ENGINEERING STUDIES																						
0		ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	CW	S3	04	-117	0	0	0	0	-117	0	-117	О) (0 0	0	-117	0	0	0	0	0	-117
0		IMPROVED TREATMENT STUDIES - 2018 SC	CW	S3	04	-73	50	0	0	0	-23	0	-23	0) (0	0	-16	0	0	-7	0	0	-23
		Sub-total				244	150	0	0	0	394	0	394	0	(0	0	346	0	0	48	0	0	394
WAT90	06334	BUSINESS SYSTEM INFRASTRUCTURE - I	PW		Ī																			
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	85	65	0	0	0	150	0	150	0) (0 0	0	150	0	0	0	0	0	150
0 :	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	350	200	200	0	0	750	0	750	O) (0	0	750	0	0	0	0	0	750
0 4	41	SCADA UPGRADES FOR WWT	CW	S2	04	6,306	8,925	5,090	200	60	20,581	0	20,581	O) (0	0	20,581	0	0	0	0	0	20,581
0 (67	SCADA UPGRADES FOR WWT - II	CW	S2	04	1,361	710	584	0	0	2,655	0	2,655	O) (0	0	2,655	0	0	0	0	0	2,655
0		NETWORK IMPROVEMENTS	CW		04	1,510	0	0	0	0	1,510	0	1,510	0			0	1,510	0	0	0	0	0	1,510
		BLANKET CONTRACT MGMT TOOL	CW		04	150	0	0		0	150	0	150	0				150	0	0	0	0	0	150
		PCS UPGRADES 2017	CW		04	315	210	0	0	0	525	0	525	0			0	525	0	0	0	0	0	525
		TRUNK RADIO - EQUIPMENT	CW		03	1,400	0	0		0	1,400	0	1,400	0			0	1,400	0	0	0	0		1,400
		SCADA SOFTWARE		S2	04	276	220	220	220	0 405	936	0	936	0			0	936		0	0	0		936
0 9	98	SCADA UPGRADES FOR WWT-2018 SC	CW	53	04	-3,843	-5,633	-2,038	3,680	3,125	-4,709	4,625	-84	0) (0	0	-84	0	0	0	0	0	-84
0 !		SCADA UPGRADES FOR WWT - II -2018 SC	CW	S3	04	-95	67	77	0	0	49	0	49	О) (0	0	49	0	0	0	0	0	49
0	100	TRUNK RADIO - EQUIPMENT-2018 SC	CW	S3	03	-1,400	160	0	78	80	-1,082	0	-1,082	O) (0	0	-1,082	0	0	0	0	0	-1,082
0		NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2018 SC	CW	S3	03	6	0	0	0	0	6	0	6	0) (0	0	6	0	0	0	0	0	6
0		RELIABILITY IMPROVEMENT PROGRAM - 2018 SC	CW	S3	04	-130	40	40	140	40	130	0	130	0) (0	0	130	0	0	0	0	0	130
0		PCS LEGACY ALARM IMPROVEMENT - 2018 SC	CW	S3	04	-65	-45	0	0	0	-110	0	-110	0) (0	0	-110	0	0	0	0	0	-110
0	:	PCS UPGRADES FOR WATER SUPPLY - 2018 SC			04	17	0	0	0	0	17	0	17	0) (0 0	0	17	0	0	0	0	0	17
	;	BLANKET CONTRACT MGMT TOOL - 2018 SC				-150	0	0		0	-150	0	-150	0			0	-150	0	0	0	0	0	-150
		NETWORK IMPROVEMENTS - 2018 SC	CW		04	-341	505	0	0	0	164	0	164	0			0	164	0	0	0	0	0	164
0	107	PCS UPGRADES 2017 - 2018 SC	CW	S3	04	-210	0	105	0	0	-105	0	-105	0) (0	0	-105	0	0	0	0	0	-105

CITY OF TORONTO

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

Apper	idix 4: 2018 Cash Flow and Fl	iture	rea	ır Co	mmitme	nts																	
Water I	Program																						
						Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	ow Comm	itments	Financed	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2	Reco	ebt - verable	Total Financing
WAT9063	34 BUSINESS SYSTEM INFRASTRUCTURE	- PW																					
0 108	3 SCADA SOFTWARE - 2018 SC	CW	S3	04	-96	-40	-40	-40	0	-216	0	-216	c) (0	0	-216	, C) (0	0	0	-216
	Sub-total				5,446	5,384	4,238	4,278	3,305	22,651	4,625	27,276	0	(0	0	27,276	5 C) (0	0	0	27,276
WAT9063	40 METERING & METER READING SYS																						
0 2	AUTOMATED METER READING SYSTEM	CW	S2	04	3,450	500	346	0	0	4,296	0	4,296	С) (0	0	4,296	; C) (0	0	0	4,296
0 19	AUTOMATED METER READING SYSTEM-2018 SC	CW	S3	04	-150	-500	-346	0	0	-996	0	-996	c) (0	0	-996	, C) (0	0	0	-996
	Sub-total				3,300	0	0	0	0	3,300	0	3,300	0	(0	0	3,300) C) (0	0	0	3,300
WAT9064	67 AVENUE ROAD TRUNKMAIN REPLACEM	<u>ENT</u>																					
0 30	JOS - AVENUE WM CONS HI LEVELTO LAWRENCE	CW	S2	03	0	0	0	0	0	0	0	0	c) (0	0	0) C) (0	0	0	0
	Sub-total				0	0	0	0	0	0	0	0	0	(0	0	0) () (0	0	0	0
WAT9064	68 HORGAN TRUNK MAIN EXPANSION																						
0 52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S4	05	400	1,000	1,100	1,700	700	4,900	1,680	6,580	С) (2,498	0	4,082	. c) (0	0	0	6,580
	Sub-total				400	1,000	1,100	1,700	700	4,900	1,680	6,580	0	(2,498	0	4,082	· c) (0	0	0	6,580
WAT9064	70 ISLAND W.T.P. R&R																						
0 8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	1,629	1,000	650	850	200	4,329	100	4,429	С) (0	0	4,429) C) (0	0	0	4,429
0 11	CHEMICAL & RESIDUALS MANAGEMENT CONST	CW	S2	02	3,500	4,000	14,000	14,000	6,000	41,500	0	41,500	C) (2,523	0	38,977	, c) (0	0	0	41,500
0 32	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2018 SC	CW	S3	02	-299	300	250	130	650	1,031	300	1,331	c) (0	0	1,331	C) (0	0	0	1,331
0 33	CHEMICAL & RESIDUALS MANAGEMENT CONST-2018 SC	CW	S3	02	-750	-2,500	1,000	4,000	1,400	3,150	0	3,150	С) () 191	0	2,959) C) (0	0	0	3,150
	Sub-total				4,080	2,800	15,900	18,980	8,250	50,010	400	50,410	0	(2,714	0	47,696	5 C) (0	0	0	50,410
WAT9064	81 DISTRICT WATERMAINS - NEW																						
0 1	NEW WM	CW	S2	05	500	0	0	0	0	500	0	500	C) (500	0	0) C) (0	0	0	500
0 16	NEW WM -2018 SC	CW	S3	05	-490	50	500	0	0	60	0	60	C) (60	0	0) C) (0	0	0	60
	Sub-total				10	50	500	0	0	560	0	560	0	(560	0	0) C) (0 0	0	0	560
WAT9064	83 PW ENGINEERING																						
0 2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,657	3,000	585	0	0	7,242	0	7,242	C) (0	0	7,242	·) (0	0	0	7,242
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	2,110	1,455	1,050	1,055	1,100	6,770	900	7,670	c) (1,919	0	2,715	; C) (3,036	0	0	7,670
0 7	EASEMENT ACQUISITION	CW	S2	04	700	0	0	0	0	700	0	700	C) (0	0	700) C) (0	0	0	700

CITY OF TORONTO

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

Water Program	
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							Curre	ent and Fu	ıture Year	Cash Flov	v Commitm	nents			Cui	rent and Fut	ture Yea	Cash Flo	w Commi	tments l	Finance	Ву		
Sub- Prior		No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges F	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - coverable	Total Financing
WAT9	06483 PW	<u>ENGINEERING</u>																						
0	22 WAT	ER LOSS REDUCTION STRATEGY	CW	S2	03	866	1,418	1,000	1,000	0	4,284	0	4,284	0	C	0	0	4,284	0	C) (0	0	4,284
0		ET MGMT SYSTEM LEMENTATION	CW	S2	04	1,472	1,000	1,000	1,000	1,000	5,472	2,500	7,972	0	C	1,993	0	5,979	0	C) (0	0	7,972
0	52 JOS	UPDATE PHASE II	CW	S2	05	597	150	0	0	0	747	0	747	o	C	374	0	0	0	C	373	3 0	0	747
0		ITAL PROG & FACILITY ASSET NNING-2018 SC	CW	S3	03	-2,197	903	1,715	0	0	421	0	421	0	C	0	0	421	0	C) (0	0	421
0	71 WAT	ERMAIN ASSET PLANNING-2018 SC	CW	S3	03	-835	1,224	1,000	0	0	1,389	895	2,284	0	C	571	0	808	0	C	905	5 0	0	2,284
0	72 EAS	EMENT ACQUISITION-2018 SC	CW	S3	04	-10	690	0	0	0	680	0	680	0	C	0	0	680	0	C) (0	0	680
0		ER LOSS REDUCTION ATEGY-2018 SC	CW	S3	03	-399	-529	-571	0	1,000	-499	1,000	501	0	C	0	0	501	0	C) (0	0	501
0	74 JOS	UPDATE PHASE II-2018 SC	CW	S3	05	-297	507	0	0	0	210	0	210	0	C	105	0	-1	0	C	106	6 0	0	210
0		ET MGMT SYSTEM LEMENTATION - 2018 SC	CW	S3	04	-172	300	0	0	0	128	0	128	0	C	32	0	96	0	() (0	0	128
		Sub-total				5,492	10,118	5,779	3,055	3,100	27,544	5,295	32,839	0	C	4,994	0	23,425	0	C	4,420	0) (32,839
WAT9	06749 DOV	VNTOWN W/M ENHANCEMENT			F																			
0	1 JOS	- GERRARD ST WM - ENGINEERING	G CW	S2	03	10	0	0	0	0	10	0	10	0	C	2	0	0	0	() 8	3 0	0	10
0	47 JOS 2018	- GERRARD ST WM - ENGINEERING 3 SC	G - CW	S3	03	-4	0	0	0	0	-4	0	-4	0	C	-1	0	0	0	C) -3	3 0	0	-4
		Sub-total				6	0	0	0	0	6	0	6	0	C	1	0	0	0	() ;	5 0) (6
WAT9	06752 TRA	NSMISSION R&R			Ī																			
0	49 TRU	NK WATERMAIN REHAB	CW	S2	03	273	260	253	0	0	786	0	786	O	C	0	0	786	0	C) (0	0	786
0	51 CAS	T IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,276	333	88	0	0	1,697	0	1,697	0	C	0	0	1,697	0	C) (0	0	1,697
0		T IRON TRUNK REPLC - PHASE 3 - INEERING	CW	S2	03	1,742	358	442	0	0	2,542	0	2,542	0	C	0	0	2,542	0	C) (0	0	2,542
0		T IRON TRUNK REPLC - PHASE 3 - ISTRUCTION	CW	S2	03	6,110	991	0	0	0	7,101	0	7,101	0	C	0	0	7,101	0	C) (0	0	7,101
0	78 TRU	NK WATERMAIN REHAB-2018 SC	CW	S3	03	81	0	67	250	250	648	0	648	0	C	0	0	648	0	C) (0	0	648
0		T IRON TRUNK REPLC - PHASE 3 - -2018 SC	CW	S3	03	-703	693	265	0	0	255	0	255	0	C	0	0	255	0	C) (0	0	255
0		T IRON TRUNK REPLC - PHASE 3 - ISTR - 2018 SC	CW	S3	03	-169	509	0	0	0	340	0	340	0	C	0	0	340	0	C) (0	0	340
0	81 CAS 2018	T IRON TRUNK REPLC - PHASE 2 - 3 SC	CW	S3	03	-358	100	125	0	0	-133	0	-133	0	C	0	0	-133	0	C) (0	0	-133
		Sub-total				8,252	3,244	1,240	250	250	13,236	0	13,236	0	C	0	0	13,236	0	C) () 0) (13,236
WAT9	06900 TRA	NSMISSION R&R																						

CITY OF TORONTO

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

					ĺ		Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments I	inanced	Ву		
-	oritySub	iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAT	906900	TRANSMISSION R&R																						
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	0	0	0	0	750	0	750	С	0	0	0	750	0	C	0	0	0	750
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	8,666	8,120	10	17	0	16,813	0	16,813	C	0	0	0	16,813	0	C	0	0	0	16,813
0	48	ROSEHILL RESERVOIR	CW	S2	03	12,018	10,350	10,150	3,019	17	35,554	17	35,571	С	0	0	0	35,571	0	C	0	0	0	35,571
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	293	0	0	0	0	293	0	293	C	0	5	0	288	0	C	0	0	0	293
0	50	PARKDALE PS REHABILITATION	CW	S2	03	4,354	2,425	329	8	0	7,116	0	7,116	С	0	0	0	7,116	0	C	0	0	0	7,116
0	51	ROSEHILL PS REHAB	CW	S2	03	3,455	1,164	24	25	0	4,668	0	4,668	C	0	0	0	4,668	0	C	0	0	0	4,668
0	67	PUMP REPLACEMENTS	CW	S2	03	1,687	100	0	0	0	1,787	0	1,787	С	0	0	0	1,787	0	C	0	0	0	1,787
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S2	03	330	300	650	350	450	2,080	1,700	3,780	C	0	0	0	3,780	0	C	0	0	0	3,780
0	74	PS REHAB - PHASE 2 - ENG	CW	S2	03	680	600	1,000	500	400	3,180	1,600	4,780	С	0	0	0	4,780	0	C	0	0	0	4,780
0	83	TRANS FACILITIES REHAB-2018 SC	CW	S3	03	0	750	750	750	750	3,000	0	3,000	С	0	0	0	3,000	0	C	0	0	0	3,000
0	84	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2018SC	CW	S3	03	-866	-326	970	0	0	-222	0	-222	С	0	0	0	-222	0	C	0	0	0	-222
0	85	ROSEHILL RESERVOIR-2018 SC	CW	S3	03	-7,643	2,175	6,575	5,306	0	6,413	0	6,413	С	0	0	0	6,413	0	C	0	0	0	6,413
0	86	DOWNSVIEW PS & CONNECTOR EA-201 SC	8 CW	S3	05	-143	140	0	0	0	-3	0	-3	С	0	105	0	-108	0	C	0	0	0	-3
0	87	PARKDALE PS REHABILITATION-2018 SC	CW	S3	03	-33	-350	-132	0	0	-515	0	-515	С	0	0	0	-515	0	C	0	0	0	-515
0	88	PUMP REPLACEMENTS-2018 SC	CW	S3	03	163	50	0	0	0	213	0	213	С	0	0	0	213	0	C	0	0	0	213
0	89	RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	20	200	38	230	-440	48	-1,693	-1,645	C	0	0	0	-1,645	0	C	0	0	0	-1,645
0	90	PS REHAB - PHASE 2 - ENG-2018 SC	CW	S3	03	65	800	216	450	-376	1,155	-1,576	-421	С	0	0	0	-421	0	C	0	0	0	-421
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	CW	S4	03	50	4,000	10,950	6,500	0	21,500	0	21,500	С	0	0	0	21,500	0	C	0	0	0	21,500
0	95	ROSEHILL PS REHAB - 2018 SC	CW	S3	03	-565	164	24	25	0	-352	0	-352	С	0	0	0	-352	0	C	0	0	0	-352
		Sub-total				23,281	30,662	31,554	17,180	801	103,478	48	103,526	0	0	110	0	103,416	0	C	0	0	0	103,526
WAT	906902	HARRIS W.T.P. R&R																					\top	
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	534	0	0	0	0	534	0	534	C	0	0	0	534	0	C	0	0	0	534
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,445	4,281	0	0	0	9,726	0	9,726	С	0	0	0	9,726	0	C	0	0	0	9,726
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,948	65	0	0	0	4,013	0	4,013	C	0	0	0	4,013	0	C	0	0	0	4,013

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

	- 9																					
					Cur	rent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	<u>oject No.</u> <u>Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat. 2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	able	Total Financing
WAT906902	HARRIS W.T.P. R&R																				T	
0 56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03 8,3	101	10	13	0	8,439	0	8,439	C) (0	0	8,439	0	0	0	0	0	8,439
0 79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03 1	550	550	0	0	1,200	0	1,200	C) (0	0	1,200	0	0	0	0	0	1,200
0 81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04 4,6	52 144	7	0	0	4,803	0	4,803	C) (0	0	4,803	0	0	0	0	0	4,803
0 98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03 2	200	200	200	150	950	0	950	C) (0	0	950	0	0	0	0	0	950
0 99	CONTROL ROOM RELOCATION	CW	S2	04 5	25 0	0	0	0	525	0	525	C) (0	0	525	0	0	0	0	0	525
0 100	EMERGENCY STANDBY POWER	CW	S2	04 1,3	70 405	0	0	0	1,775	0	1,775	C) (0	0	1,775	0	0	0	0	0	1,775
0 102	PHONE SYSTEM UPGRADE	CW	S2	03	70 510	0	0	0	580	0	580	C) (0	0	580	0	0	0	0	0	580
0 106	BUILDING ENVELOPE REHAB	CW	S2	03	10 0	0	0	0	10	0	10	C) (0	0	10	0	0	0	0	0	10
0 112	TRAVELLING SCREENS 3 & 5 UPGRADE	CW	S2	03 3	00 450	0	0	0	750	0	750	C) (0	0	750	0	0	0	0	0	750
0 119	ENERGY OPTIMIZATION	CW	S4	04	1,150	1,000	0	0	2,200	0	2,200	C) (0	0	2,200	0	0	0	0	0	2,200
0 120	BUILDING ENVELOPE REHAB-2018 SC	CW	S3	03	0 136	0	0	0	136	0	136	C) (0	0	136	0	0	0	0	0	136
0 121	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03 -	500	500	500	500	1,966	0	1,966	C) (0	0	1,966	0	0	0	0	0	1,966
0 122	HVAC REHAB CONSTRUCTION-2018 SC	CW	S3	03 -4,3	00 473	4,241	0	0	414	0	414	C) (0	0	414	0	0	0	0	0	414
0 123	HARRIS FILTERS REHABILITATION - PILOT-2018 SC	CW	S3	03 -1,7	5,135	948	24	0	4,380	0	4,380	C) (0	0	4,380	0	0	0	0	0	4,380
0 124	LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2018 SC	CW	S3	04 -2,9	3,128	0	0	0	185	0	185	C) (0	0	185	0	0	0	0	0	185
0 125	HERITAGE MASONRY&ARCHITECTURA RESTORATION-2018 SC	L CW	S3	03	0 0	0	0	50	50	0	50	C) (0	0	50	0	0	0	0	0	50
0 126	CONTROL ROOM RELOCATION-2018 SO	C CW	S3	04 -1	1,079	204	0	0	1,168	0	1,168	C) (0	0	1,168	0	0	0	0	0	1,168
0 127	EMERGENCY STANDBY POWER-2018 S	C CW	S3	04 3	55 1,320	347	0	0	2,022	0	2,022	C) (0	0	2,022	0	0	0	0	0	2,022
0 128	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2018 SC	CW	S3	03 -3,0	10 409	0	0	0	-2,601	0	-2,601	() (0	0	-2,601	0	0	0	0	0	-2,601
0 129	EXTERIOR SECURITY LIGHTING UPGRADES - 2018 SC	CW	S3	03 -1	-550	-450	550	550	0	0	0	() (0	0	0	0	0	0	0	0	0
0 130	TRAVELLING SCREENS 3 & 5 UPGRADE 2018 SC	E - CW	S3	03 -3	-450	300	450	0	0	0	0	() (0	0	0	0	0	0	0	0	0
0 131	PHONE SYSTEM UPGRADE - 2018 SC	CW	S3		70 -510			0	0	0	0	(0	0				0	0
	Sub-total			13,2	75 18,526	7,927	2,247	1,250	43,225	0	43,225	0	(0	0	43,225	0	0	0	0	0	43,225
WAT906903	FJ HORGAN W.T.P. R&R																					

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

					Curre	ent and Fu	uture Year	Cash Flor	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	nitments	Financed	Ву		
	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Recov		Total Financing
												Cubsidies									\neg	
FACILITY & PROCESS UPGRADES	CW	S2	03	671	0	0	0	0	671	0	671	0	0	0	0	671	C) (0	0	0	671
RAW WATER PUMP UGRADES	CW	S2	03	21	0	0	0	0	21	0	21	0	0	0	0	21	C) (0 0	0	0	21
REPLACEMENT OF MCCS	CW	S2	03	954	250	227	10	9	1,450	0	1,450	0	0	0	0	1,450	C) (0 0	0	0	1,450
BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S2	04	2,242	1,950	10	10	0	4,212	0	4,212	0	0	0	0	4,212	C) (0 0	0	0	4,212
ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	570	280	0	0	0	850	0	850	0	0	0	0	850	() (0 0	0	0	850
TREATED WATER PUMP UPGRADES	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	() (0 0	0	0	20
FACILITY & PROCESS UPGRADES-2018 SC	cw.	S3	03	16	1,174	550	200	200	2,140	0	2,140	0	0	0	0	2,140	C) (0 0	0	0	2,140
REPLACEMENT OF MCCS-2018 SC	CW	S3	03	-87	0	70	40	-6	17	0	17	0	0	0	0	17	() (0 0	0	0	17
RAW WATER PUMP UGRADES-2018 SC	CW	S3	03	400	200	0	0	0	600	0	600	0	0	0	0	600	() (0	0	0	600
ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2018 SC	CW	S3	04	10	320	690	0	0	1,020	0	1,020	0	0	0	0	1,020	() (0 0	0	0	1,020
TREATED WATER PUMP UPGRADES-2018 SC	CW	S3	04	0	203	0	0	0	203	0	203	0	0	0	0	203	() (0 0	0	0	203
UPGRADES-2018 SC	CW	S3	04		-645	1,625	1,000	0		0											0	58
Sub-total				2,895	3,732	3,172	1,260	203	11,262	0	11,262	0	0	0	0	11,262) (0	0	0	11,262
TRUNK WATERMAIN EXPANSION																						
JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	625	375	183	11	0	1,194	0	1,194	0	0	573	0	350	C) (271	0	0	1,194
JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S2	05	13,880	12,000	8,000	0	0	33,880	0	33,880	0	0	16,231	0	9,952	C) (7,697	0	0	33,880
JOS WM SCAR PS -ST CLAIR & MIDLAN - ENG -2018 SC	D CW	S3	05	-233	325	427	425	0	944	0	944	0	0	451	0	278	() (215	0	0	944
JOS WM Scar PS- St. Clair&Midland (CONST)-2018 SC	CW	S3	05	-7,855	7,000	11,000	2,000	0	12,145	0	12,145				0	3,568				0	0	12,145
Sub-total				6,417	19,700	19,610	2,436	0	48,163	0	48,163	0	0	23,072	0	14,148	() (0 10,943	0	0	48,163
SWITCH GEAR TRANSFORMER																					Ţ	
INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	1,094	0	0	0	0	1,094	0	1,094	0	0	0	0	1,094	C) (0 0	0	0	1,094
INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S4	03	300	1,000	6,250	5,250	5,250	18,050	7,925	25,975	0	0	0	0	25,975	C) (0 0	0	0	25,975
INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2018 SC	CW	S3	03	-1,083	1,169	0	0	0	86	0	86					86					0	86
Sub-total				311	2,169	6,250	5,250	5,250	19,230	7,925	27,155	0	0	0	0	27,155	C) () 0	0	0	27,155
TRANSMISSION OPERATIONS OPTIMIZE	<u>ER</u>																					
	bProj No. Sub-project Name EJ HORGAN W.T.P. R&R FACILITY & PROCESS UPGRADES RAW WATER PUMP UGRADES REPLACEMENT OF MCCS BUILDING FIRE, HVAC, LIGHTING UPGRADES ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO TREATED WATER PUMP UPGRADES FACILITY & PROCESS UPGRADES-2018 SC REPLACEMENT OF MCCS-2018 SC REPLACEMENT OF MCCS-2018 SC RAW WATER PUMP UGRADES-2018 SC ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2018 SC TREATED WATER PUMP UPGRADES-2018 SC BUILDING FIRE, HVAC, LIGHTING UPGRADES-2018 SC Sub-total TRUNK WATERMAIN EXPANSION JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG JOS - WM SCAR PS -ST CLAIR & MIDLAN - ENG -2018 SC JOS WM SCAR PS -ST CLAIR & MIDLAN - ENG -2018 SC SUB-total SWITCH GEAR TRANSFORMER INDOOR/OUTDOOR SWITCHGEAR (PHASE 3) INDOOR/OUTDOOR SWITCHGEAR (PHASE 4) INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2018 SC SUB-total	bProj No. Sub-project Name Ward FJ HORGAN W.T.P. R&R FACILITY & PROCESS UPGRADES CW RAW WATER PUMP UGRADES CW REPLACEMENT OF MCCS CW BUILDING FIRE, HVAC, LIGHTING UPGRADES ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO TREATED WATER PUMP UPGRADES CW FACILITY & PROCESS UPGRADES-2018 CW REPLACEMENT OF MCCS-2018 SC CW RAW WATER PUMP UGRADES-2018 SC CW RAW WATER PUMP UGRADES-2018 SC CW RAW WATER PUMP UGRADES-2018 SC CW ELEC GROUNDING SYSTEM&BULK CW CHEM UNLOADING-2018 SC TREATED WATER PUMP UPGRADES-2018 SC BUILDING FIRE, HVAC, LIGHTING CW UPGRADES-2018 SC BUILDING FIRE, HVAC, LIGHTING CW UPGRADES-2018 SC Sub-total TRUNK WATERMAIN EXPANSION JOS WM SCAR PS TO ST CLAIR AND CW MIDLAND - ENG JOS - WM SCAR PS -ST CLAIR & MIDLAND CW (CONST) JOS WM SCAR PS -ST CLAIR & MIDLAND CW (CONST)-2018 SC Sub-total SWITCH GEAR TRANSFORMER INDOOR/OUTDOOR SWITCHGEAR CW (PHASE 3) INDOOR/OUTDOOR SWITCHGEAR CW (PHASE 4) INDOOR/OUTDOOR SWITCHGEAR CW (PHASE 3)-2018 SC	bProj No. Sub-project Name Ward Stat. FI HORGAN W.T.P. R&R FACILITY & PROCESS UPGRADES CW \$2 RAW WATER PUMP UGRADES CW \$2 REPLACEMENT OF MCCS CW \$2 BUILDING FIRE, HVAC, LIGHTING UPGRADES ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO TREATED WATER PUMP UPGRADES CW \$3 FACILITY & PROCESS UPGRADES-2018 CW \$3 RAW WATER PUMP UGRADES-2018 CW \$3 RAW WATER PUMP UGRADES-2018 SC CW \$3 ELEC GROUNDING SYSTEM&BULK CW \$3 RAW WATER PUMP UGRADES-2018 SC CW \$3 ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2018 SC CW \$3 ELEC GROUNDING SYSTEM&BULK CW \$3 ELEC GROUNDING SYSTEM&BULK CW \$3 ELEC GROUNDING SYSTEM&BULK CW \$3 ELEC GROUNDING SYSTEM&BULK CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CW \$3 ELEC GROUNDING SYSTEM CHEM CW \$3 ELEC GROUNDING SYSTEM CHEM CW \$3 ELEC GROUNDING SYSTEM CHEM CW \$3 ELEC GROUNDING SYSTEM CHEM CW \$3 ELEC GROUNDING SWITCHGEAR CW \$4 INDOOR/OUTDOOR SWITCHGEAR CW \$4 INDOOR/OUTDOOR SWITCHGEAR CW \$3 INDOOR/OUTDOOR SWITCHGEAR CW \$3 INDOOR/OUTDOOR SWITCHGEAR CW \$3 INDOOR/OUTDOOR SWITCHGEAR CW \$3 INDOOR/OUTDOOR SWITCHGEAR CW \$3	Deproj No. Sub-project Name	Deproj No. Sub-project Name Ward Stat. Cat. 2018	Signature Depto Project Name Depto No. Sub-project Name Stat. Cat.	Diect No. Project Name Ward Stat. Cat. 2018 2019 2020	Direct No. Project Name Ward Stat. Cat. 2018 2019 2020 2021	Delicat No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022	Digital No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018-2	DPTO NO. SUb-project Name		Project No. Project Name	Project Name Defroj No. Sub-project Name Ward Stat. Cat. 2018 2019 2020 2021 2022 2018 2027 2027		Project Name Proj		Project No. Project Name Ward Stat. Cat. 2018 2019 2020 2021 2020 2022 2020	Decision Name Project Name Ward Stat. Cal. 2018 2019 2020 2021 2022 2018-2022 2018	Project Name Proj	Part March Part March Part Part March Part Part Part Part March Part Part March Part Pa	Proceedings

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

							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flow	Commit	nents F	inanced I	Ву		
Sub Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds (Capital from Current C	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAT	906917	TRANSMISSION OPERATIONS OPTIMIZE	<u>R</u>																					
0	8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	282	0	0	0	0	282	0	282	С	0	0	0	94	0	0	188	0	0	282
0	13	TRANSMISSION OPERATIONS OPTIMIZER-2018 SC	CW	S3	04	3	0	0	0	0	3	0	3	С	0	0	0	1	0	0	2	0	0	3
		Sub-total				285	0	0	0	0	285	0	285	0	0	0	0	95	0	0	190	0	0	285
WAT	906918	WATER SUSTAINABILITY PROGRAM																					\exists	
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	8,675	5,271	10	0	0	13,956	0	13,956	С	0	849	0	8,906	0	0	4,201	0	0	13,956
0	12	STANDBY POWER - ROSEHILL	CW	S2	04	6,116	5,100	1,803	13	14	13,046	0	13,046	С	0	783	0	8,349	0	0	3,914	0	0	13,046
0	21	STANDBY POWER - ROSEHILL-2018 SC	CW	S3	04	-978	-1,000	-1,760	20	0	-3,718	0	-3,718	С	0	-223	0	-2,379	0	0	-1,116	0	0	-3,718
0	22	WATER SUSTAINABILITY STANDBY POWER ELLESMERE2018SC	CW	S3	04	-2,948	642	3,372	0	0	1,066	0	1,066	С			0	681	0	0		0	0	1,066
		Sub-total				10,865	10,013	3,425	33	14	24,350	0	24,350	0	0	1,473	0	15,557	0	0	7,320	0	0	24,350
WAT	906919	RL CLARK W.T.P. R&R																					İ	ı İ
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	200	0	0	0	0	200	0	200	С	0	0	0	200	0	0	0	0	0	200
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	610	500	1,454	60	35	2,659	0	2,659	C	0	161	0	2,498	0	0	0	0	0	2,659
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	9,955	10,032	3,000	0	0	22,987	0	22,987	C	0	1,397	0	21,590	0	0	0	0	0	22,987
0	44	EVACUATION AND COMMUNICATION SYSTEMS	CW	S2	03	257	20	0	0	0	277	0	277	С	0	0	0	277	0	0	0	0	0	277
0	72	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	0	200	200	200	200	800	0	800	С	0	0	0	800	0	0	0	0	0	800
0	73	PROCESS EQUIPMENT UPGRADE ENGINEERING-2018 SC	CW	S3	03	-220	-126	326	0	0	-20	0	-20	C	0	0	0	-20	0	0	0	0	0	-20
0	74	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2018 SC	CW	S3	03	-1,920	-1,311	-500	0	0	-3,731	0	-3,731	C	0	-227	0	-3,504	0	0	0	0	0	-3,731
0	75	EVACUATION AND COMMUNICATION SYSTEMS-2018 SC	CW	S3	03	-232	92	0	0	0	-140	0	-140	C	0	0	0	-140	0	0	0	0	0	-140
		Sub-total				8,650	9,407	4,480	260	235	23,032	0	23,032	0	0	1,331	0	21,701	0	0	0	0	0	23,032
WAT	906930	DIST W/M REPLACEMENT																						
0	21	2011 WM REPLC	CW	S2	03	4	0	0	0	0	4	0	4	С	0	0	0	4	0	0	0	0	0	4
0	29	DIST W/M REPLC - 2012	CW	S2	03	69	0	0	0	0	69	0	69	С	0	0	0	69	0	0	0	0	0	69
0	51	DIST W/M REPLACEMENT - 2014	CW	S2	03	275	0	0	0	0	275	0	275	С	0	43	0	232	0	0	0	0	0	275
0	55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	545	1,724	1,494	1,494	0	5,257	0	5,257	С	0	0	0	5,257	0	0	0	0	0	5,257
0	59	2013 WM REPLC - UPGRADES	CW	S2	05	106	0	0	0	0	106	0	106	C	0	33	0	73	0	0	0	0	0	106

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Appendix 4: 2018 Cash Flow and Future Year Commitments

PrioritySubProj No. S WAT906930 DIST W/M F 0 63 DIST W/M F 0 64 WATERMAI 0 73 DIST W/M F 0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	_ · <i>'</i>	Vard \$			Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	itments F	inanced E	у		
PrioritySubProj No. S WAT906930 DIST W/M F 0 63 DIST W/M F 0 64 WATERMAI 0 73 DIST W/M F 0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	Sub-project Name \ REPLACEMENT	Vard S																				
0 63 DIST W/M F 0 64 WATERMAI 0 73 DIST W/M F 0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F			Stat. Ca	t. 2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoveral Debt	- 1	Total Financing
0 64 WATERMAI 0 73 DIST W/M F 0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	REPLACEMENT - 2015																					
0 73 DIST W/M F 0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F		CW	S2 03	4,075	0	0	0	0	4,075	0	4,075	0	0	633	0	3,442	0	0	0	0	0	4,075
0 74 WATERMAI 0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	IN UPGRADES - 2015	CW	S2 05	6	0	0	0	0	6	0	6	0	0	2	0	4	0	0	0	0	0	6
0 83 DIST W/M F 0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	REPLACEMENT - 2016	CW	S2 03	5,163	374	0	0	0	5,537	0	5,537	0	0	861	0	4,676	0	0	0	0	0	5,537
0 84 WATERMAI 0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	IN UPGRADES - 2016	CW	S2 05	2,863	0	0	0	0	2,863	0	2,863	0	0	891	0	1,972	0	0	0	0	0	2,863
0 85 DIST W/M F 0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	REPLACEMENT - 2017	CW	S2 03	27,294	7,272	0	0	0	34,566	0	34,566	0	0	5,375	0	29,191	0	0	0	0	0	34,566
0 86 WATERMAI 0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	IN UPGRADES - 2017	CW	S2 05	4,808	1,476	0	0	0	6,284	0	6,284	0	0	1,954	0	4,330	0	0	0	0	0	6,284
0 98 DIST W/M F 0 100 2013 WM R 0 101 DIST W/M F	REPLACEMENT - 2018	CW			41,704	11,690	928	0	91,877	0		0		·		77,590	0			0	0	91,877
0 100 2013 WM R 0 101 DIST W/M F	IN UPGRADES - 2018	CW			12,027	2,921	0	0	25,297	0	25,297	0			0	,	0			0	0	25,297
0 101 DIST W/M F	REPLC - 2012-2018 SC		S3 03		133	0	0	0	85	0	85	0	0		0	85	0		0	0	0	85
	REPLC - UPGRADES-2018 SC REPLACEMENT - 2014-2018 SC		S3 05		101	0	0	0	110	0	110	0	0		0	93	0	0		0	0	110
0 102 WATERWAI	IN UPGRADES - 2014-2018 SC		S3 03		365	0	0	0	110	0	110	0	0		0	93	0	·		0	0	110
0 103 WATERMAI	IN REPLACEMENT -		S3 03		-634	302	962	0	279	0	279	0	0		0	279	0			0	0	279
METROLIN					2,358	0	0	0	-319	0	-319	0	0	-49	0	-270	0	0	0	0	0	-319
0 105 WATERMAI	IN UPGRADES - 2015-2018 SC	CW	S3 05	5 0	265	0	0	0	265	0	265	0	0	82	0	183	0	0	0	0	0	265
0 106 DIST W/M F	REPLACEMENT - 2016-2018 SC	CW	S3 03	-4,286	7,825	0	0	0	3,539	0	3,539	0	0	550	0	2,989	0	0	0	0	0	3,539
0 107 WATERMAI	IN UPGRADES - 2016-2018 SC	CW	S3 05	-2,458	2,626	0	0	0	168	0	168	0	0	52	0	116	0	0	0	0	0	168
0 108 DIST W/M F	REPLACEMENT - 2017-2018 SC	CW	S3 03	-15,598	77	15	0	0	-15,506	0	-15,506	0	0	-2,411	0	-13,095	0	0	0	0	0	-15,506
0 109 WATERMAI	IN UPGRADES - 2017-2018 SC	CW	S3 05	-2,952	-320	0	0	0	-3,272	0	-3,272	0	0	-1,017	0	-2,255	0	0	0	0	0	-3,272
	Sub-total			64,387	77,373	16,422	3,384	0	161,566	0	161,566	0	0	29,174	0	132,392	0	0	0	0	0	161,566
WAT906932 DIST W/M F	REHABILITATION																				\top	
0 4 HYDRANT 8	& VALVE REPAIR	CW	S2 03	2,516	0	0	0	0	2,516	0	2,516	0	0	0	0	2,516	0	0	0	0	0	2,516
0 6 WATERMAI	IN STRUCTURAL LINING	CW	S2 03	54,868	24,590	9,577	4,575	450	94,060	57	94,117	0	0	0	0	94,117	0	0	0	0	0	94,117
0 7 CATHODIC		0144	S2 03	3,033	0	0	0	0	3,033	0	3,033	0	0	0	0	3,033	0	0	0	0	0	3,033

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Appendix 4: 2018 Cash Flow and Future Year Commitments

		ogram																						
							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced I	Зу		
<u>Sub</u> Prio		oject No. Project Name DProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
		DIST W/M REHABILITATION																						
0	30	CUT REPAIR	CW	S2	03	3,300	0	0	0	0	3,300	0	3,300	0	(0	0	3,300	0	0	0	0	0	3,300
0	55	HYDRANT & VALVE REPAIR-2018 SC	CW	S3	03	-1,536	1,000	0	0	0	-536	0	-536	О	(0	0	-536	0	0	0	0	0	-536
0	56	CUT REPAIR-2018 SC	CW	S3	03	249	3,549	0	0	0	3,798	0	3,798	O	(0	0	3,798	0	0	0	0	0	3,798
0	57	WATERMAIN STRUCTURAL LINING-2018 SC	CW	S3	03	17,588	39,273	9,017	-4,336	-275	61,267	-57	61,210	o	(0	0	61,210	0	0	0	0	0	61,210
0	58	CATHODIC PROTECTION-2018 SC	CW	S3	03	336	4,612	500	0	0	5,448	0	5,448	0	(0	0	5,448	0	0	0	0	0	5,448
0	59	PRV INSPECTION & RENEWAL	CW	S4	03	110	1,600	565	0	0	2,275	0	2,275	0	(0	0	2,275	0	0	0	0	0	2,275
0	60	INFRASTRUCTURE REHAB & UPGRADE - METROLINX	s cw	S4	03	75	75	75	75	0	300	0	300	О	(0	0	300	0	0	0	0	0	300
		Sub-total				80,539	74,699	19,734	314	175	175,461	0	175,461	0	(0	0	175,461	0	0	0	0	0	175,461
WAT	906934	DIST WATER SERVICE REPAIR																						
0	12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	11,541	4,450	200	0	0	16,191	0	16,191	0	(0	0	16,191	0	0	0	0	0	16,191
0	19	2010 WSR	CW	S2	02	215	0	0	0	0	215	0	215	O	(0	0	215	0	0	0	0	0	215
0	32	WSR CUT REPAIR	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	o	(0	0	1,500	0	0	0	0	0	1,500
0	39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	4	0	0	0	0	4	0	4	O	(0	0	4	0	0	0	0	0	4
0	41	2013 WSR	CW	S2	02	111	0	0	0	0	111	0	111	O	(0	0	111	0	0	0	0	0	111
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	273	0	0	0	0	273	0	273	0	(0	0	273	0	0	0	0	0	273
0	59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	1,014	0	0	0	0	1,014	0	1,014	0	(0	0	1,014	0	0	0	0	0	1,014
0	68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	5,783	0	0	0	0	5,783	0	5,783	0	(0	0	5,783	0	0	0	0	0	5,783
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	7,500	7,000	2,000	0	0	16,500	0	16,500	0	(0	0	16,500	0) 0	0	0	0	16,500
0	74	REPLACEMENT OF FROZEN SERVICES	CW	S2	02	22	0	0	0	0	22	0	22	0	(0	0	22	0	0	0	0	0	22
0	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,500	0	0	0	0	1,500	0	1,500	0	(0	0	1,500	0	0	0	0	0	1,500
0	78	2011 WSR	CW		02	15	0	0	0	0	15	0	15	0	(0	0	15	0) 0	0	0	0	15
0	84	2017 WATER SERVICE REPLACEMENT - SOGR				11,167	3,000	0	0	0	14,167	0	14,167	0			0	14,167	0	0	0	0	0	
0	85	2018 WATER SERVICE REPLACEMENT - SOGR				7,000	10,000	3,000	0	0	20,000	0		0				20,000	0			0	0	
0	93	WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC	CW	S3	02	-1,159	5,039	4,701	1	0	8,582	0	8,582	0	(0	0	8,582	0	0	0	0	0	8,582

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							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and	Future 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.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	^t Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovers	able	Total Financing
WAT	906934	DIST WATER SERVICE REPAIR																						
0	94	2010 WSR-2018 SC	CW	S3	02	-215	0	0	0	0	-215	0	-215	С	0) (0	-215	0	0	0	0	0	-215
0	96	2012 WATER SERVICE REPLC - SOGR-2018 SC	CW	S3	02	0	60	0	0	0	60	0	60	С	0) (0	60	0	0	0	0	0	60
0	97	WSR CUT REPAIR-2018 SC	CW	S3	03	113	1,613	0	0	0	1,726	0	1,726	С	0) (0	1,726	0	0	0	0	0	1,726
0	98	2013 WSR-2018 SC	CW	S3	02	-100	140	0	0	0	40	0	40	С	0) (0	40	0	0	0	0	0	40
0	99	2014 WATER SERVICE REPLACEMENT SOGR-2018 SC	- CW	S3	02	-260	148	0	0	0	-112	0	-112	С	0) (0	-112	0	0	0	0	0	-112
0	100	2015 WATER SERVICE REPLACEMENT SOGR-2018 SC	- CW	S3	02	-478	425	0	0	0	-53	0	-53	С	0) (0	-53	0	0	0	0	0	-53
0	101	2016 WATER SERVICE REPLACEMENT SOGR-2018 SC	- CW	S3	02	-4,954	3,424	0	0	0	-1,530	0	-1,530	С	0) (0	-1,530	0	0	0	0	0	-1,530
0	102	WATER SERVICE REPAIR - WM REHAB PROGRAM-2018 SC	CW	S3	02	8,178	6,150	2,000	2,000	0	18,328	0	18,328	С	0) (0	18,328	0	0	0	0	0	18,328
0	103	WSR CUT REPAIRS WITH WM SL-2018 SC	CW	S3	02	113	1,613	0	0	0	1,726	0	1,726	С	0) (0	1,726	0	0	0	0	0	1,726
0	104	2017 WATER SERVICE REPLACEMENT SOGR-2018 SC	- CW	S3	02	-1,811	2,472	0	0	0	661	0	661	С	0) (0	661	0	0	0	0	0	661
0	105	REPLACEMENT OF FROZEN SERVICES-2018 SC	CW	S3	02	0	240	0	0	0	240	0	240	С	0) (0 0	240	0	0	0	0	0	240
0	106	REPLACEMENT OF FROZEN SERVICES	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	С	0) (0 0	2,000	0	0	0	0	0	2,000
0	107	REPLACEMENT OF FROZEN SERVICES 2018 SC	- CW	S3	03	-1,000	-1,000	0	0	0	-2,000	0	-2,000	С	0) (0 0	-2,000	0	0	0	0	0	-2,000
		Sub-total				47,072	45,774	11,901	2,001	0	106,748	0	106,748	0	0) (0	106,748	0	0	0	0	0	106,748
WAT	906935	NEW SERVICE CONNECTIONS																					1	
0	2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,200	0	0	0	0	5,200	0	5,200	С	0) (0	5,200	0	0	0	0	0	5,200
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	30,000	0	0	0	0	30,000	0	30,000	С	0) (0	30,000	0	0	0	0	0	30,000
0	24	NEW SERVICE CONNECTIONS - SITE SERVICING-2018 SC	CW	S3	05	-552	6,946	0	0	0	6,394	0	6,394	С	0) (0	6,394	0	0	0	0	0	6,394
0	25	NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	CW	S3	05	177	5,377	0	0	0	5,554	0	5,554	С	0) (0	5,554	0	0	0	0	0	5,554
		Sub-total				34,825	12,323	0	0	0	47,148	0	47,148	0	0) (0	47,148	0	0	0	0	0	47,148
WAT	906951	ENGINEERING																					\top	
0	2	CONSULTING FEES	CW	S2	03	11,709	10,352	6,702	3,761	1,939	34,463	4,922	39,385	С	0) (0	39,385	0	0	0	0	0	39,385
0	63	ROAD RESTORATION	CW	S2	03	2,000	0	0	0	0	2,000	0	2,000	С	0) (0	2,000	0	0	0	0	0	2,000
0	69	LEGAL SERVICES SALARIES	CW	S3	03	414	0	0	0	0	414	0	414	C	0) (0	414	0	0	0	0	0	414

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							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Current and	I Future Yea	r Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Developme Subsidy Charges	ent Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
WAT	906951	ENGINEERING																					
0	70	ECS SALARIES	CW	S3	03	14,592	0	0	0	0	14,592	0	14,592	0	0	0 0	14,592	0	0	0	0	0	14,592
0	71	PPFA SALARIES	CW	S3	03	2,416	0	0	0	0	2,416	0	2,416	o	0	0 0	2,416	0	0	0	0	0	2,416
0	74	PMMD SALARIES	CW	S3	03	310	0	0	0	0	310	0	310	o	0	0 0	310	0	0	0	0	0	310
0	75	ROAD RESTORATION-2018 SC	CW	S3	03	669	2,621	2,151	0	0	5,441	0	5,441	o	0	0 0	5,441	0	0	0	0	0	5,441
0	76	CONSULTING FEES-2018 SC	CW	S3	03	6,982	4,673	1,665	617	561	14,498	-1,650	12,848	o	0	0 0	12,848	0	0	0	0	0	12,848
0	77	TW SALARIES	CW	S4	03	1,930	0	0	0	0	1,930	0	1,930	o	0	0 0	1,930	0	0	0	0	0	1,930
		Sub-total			-	41,022	17,646	10,518	4,378	2,500	76,064	3,272	79,336	0	0	0 0	79,336	0	0	0	0	0	79,336
WAT	906977	ISLAND W.T.P. R&R			-																	\dashv	
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	458	0	0	0	0	458	0	458	o	0	0 0	458	0	0	0	0	0	458
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	3,916	750	0	0	0	4,666	0	4,666	О	0	0 0	4,666	0	0	0	0	0	4,666
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	56	0	0	0	0	56	0	56	o	0	3 0	53	0	0	0	0	0	56
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	205	700	2,750	0	0	3,655	0	3,655	o	0	0 0	3,655	0	0	0	0	0	3,655
0	50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW	S2	03	3,559	2,479	7	0	0	6,045	0	6,045	О	0	0 0	6,045	0	0	0	0	0	6,045
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	o cw	S2	03	34	0	0	0	0	34	0	34	o	0	0 0	34	0	0	0	0	0	34
0	69	Generators` DR3 Program	CW	S2	04	80	695	650	0	0	1,425	0	1,425	О	0	0 0	1,425	0	0	0	0	0	1,425
0	70	PLANTWIDE HVAC UPGRADES	CW	S2	04	1,668	527	15	0	0	2,210	0	2,210	О	0	0 0	2,210	0	0	0	0	0	2,210
0	83	RAW WATER INTAKE CLEANING	CW	S2	03	1,228	0	0	0	0	1,228	0	1,228	o	0	0 0	1,228	0	0	0	0	0	1,228
0	101	FACILITY & PROCESS UPGRADES-2018 SC	CW	S3	03	-76	375	375	375	375	1,424	0	1,424	О	0	0 0	1,424	0	0	0	0	0	1,424
0	102	ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	О	0	-3 0	-53	0	0	0	0	0	-56
0	103	FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	CW	S3	03	241	1,404	0	0	0	1,645	0	1,645	О	0	0 0	1,645	0	0	0	0	0	1,645
0	104	AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	CW	S3	03	-2,103	4,441	3,999	7	0	6,344	0	6,344	О	0	0 0	6,344	0	0	0	0	0	6,344
0	105	TRAVELLING SCREEN REPLACEMENT-2018 SC	CW	S3	03	-100	445	700	0	0	1,045	0	1,045	o	0	0 0	1,045	0	0	0	0	0	1,045
0	106	PLANTWIDE HVAC UPGRADES-2018 SC	CW	S3	04	-138	1,117	738	0	0	1,717	0	1,717	O	0	0 0	1,717	0	0	0	0	0	1,717
0	107	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTR - 2018 SC	o cw	S3	03	-4	0	0	0	0	-4	0	-4	O	0	0 0	-4	0	0	0	0	0	-4

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							Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flov	v Commitr	nents F	Financed E	Ву		
Sub Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal (Development Charges	I Reserves	Reserve Funds	Capital from Current C	Other 1	Other2	De Recov Debt		Total Financing
WAT	906977	ISLAND W.T.P. R&R																						
0	108	RAW WATER INTAKE CLEANING - 2018 SC	CW	S3	03	1,272	500	0	0	0	1,772	0	1,772	С	0	0	0	1,772	0	0	0	0	0	1,772
0	109	Generators` DR3 Program - 2018 SC	CW	S3	04	-80	-695	-570	695	650	0	0	0	C	0	0	0	0	0	0	0	0	0	0
		Sub-total				10,160	12,738	8,664	1,077	1,025	33,664	0	33,664	0	0	0	0	33,664	0	0	0	0	0	33,664
WAT	907353	LAWRENCE ALLAN REVITALIZATION PL	.AN																					
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	8,682	7,237	7,237	0	0	23,156	0	23,156	c	0	23,156	0	0	0	0	0	0	0	23,156
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	3,842	3,842	0	0	0	7,684	0	7,684	c	0	7,684	0	0	0	0	0	0	0	7,684
0	11	LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018SC	CW	S3	05	-4,762	2,738	-1,462	473	210	-2,803	0	-2,803	С	0	-2,803	0	0	0	0	0	0	0	-2,803
0	12	LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-2018SC	CW	S3	05	-3,842	-3,592	3,592	3,842	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0
		Sub-total				3,920	10,225	9,367	4,315	210	28,037	0	28,037	0	0	28,037	0	0	0	0	0	0	0	28,037
WAT	907558	REGENT PARK CAPITAL CONTRIBUTION	<u>N</u>																					
0	14	REGENT PARK CAPITAL CONTRIBUTION PHASE 3 - 5	N - CW	S2	05	2,499	864	1,398	812	33	5,606	113	5,719	C	0	5,719	0	0	0	0	0	0	0	5,719
0	15	REGENT PARK CAPITAL CONTRIBUTION PH3-5 - 2018 SC	N - CW	S3	05	-1,715	47	18	18	18	-1,614	-2	-1,616	c	0	-1,616	0	0	0	0	0	0	0	-1,616
		Sub-total				784	911	1,416	830	51	3,992	111	4,103	0	0	4,103	0	0	0	0	0	0	0	4,103
WAT	907946	BUSINESS IT PROJECTS			İ																			
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,580	1,275	1,325	1,000	400	5,580	350	5,930	C	0	0	0	5,930	0	0	0	0	0	5,930
		Sub-total				1,580	1,275	1,325	1,000	400	5,580	350	5,930	0	0	0	0	5,930	0	0	0	0	0	5,930
WAT	908087	TRUNK WATERMAIN																					\dashv	
0	1	TRANSMISSION SYSTEM AUTOMATION	I CW	S2	04	392	316	673	41	92	1,514	0	1,514	С	0	0	0	1,514	0	0	0	0	0	1,514
0	4	JOS - REVENUE METER REPLACEMENT	T CW	S2	03	4,950	1,550	541	0	0	7,041	0	7,041	С	0	0	0	3,520	0	0	3,521	0	0	7,041
0	6	3RD PARTY RELOCATIONS (METROLIN	X) CW	S2	04	250	250	200	200	0	900	0	900	С	0	0	0	900	0	0	0	0	0	900
0	13	TRANSMISSION SYSTEM AUTOMATION-2018 SC	CW	S3	04	283	4,991	3,902	0	0	9,176	0	9,176	C	0	0	0	9,176	0	0	0	0	0	9,176
0	14	3RD PARTY RELOCATIONS (METROLIN 2018 SC	X) CW	S3	04	-200	-200	-150	-150	0	-700	0	-700	С	0	0	0	-700	0	0	0	0	0	-700
0	15	JOS - REVENUE METER REPLACEMENT 2018 SC	T- CW	S 3	03	-1,609	1,450	459	0	0	300	0	300	С	0	0	0	150	0	0	150	0	0	300
		Sub-total				4,066	8,357	5,625	91	92	18,231	0	18,231	0	0	0	0	14,560	0	0	3,671	0	0	18,231
WAT	908248	WT&S PLANTWIDE			ŀ																			

CITY OF TORONTO

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

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

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Report 7Ca

Report Phase 2 - Program 10 Water Program 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: 2018 Cash Flow and Future Year Commitments

Water Program

S2 Prior Year (With 2018 and\or Future Year Cashflow)

		Current and	Future Ye	ar Cash Fl	ow Comn	nitments aı	nd Estimate	s		Curren	t and Future Year	Cash Flow (Commitme	nts and	Estimates	Financed By		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name Ward Stat. Ca	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal De Subsidy	evelopment Charges Reserv	Reserve es Funds		Other '	I Other2	Debt - Recovera Debt		Total inancing
Financed By:																		
Development Charges	22,585	38,634	26,647	9,380	2,092	99,338	1,911	101,249	d	0	101,249	0) ()	0 0	0	0	101,249
Reserve Funds (Ind."XR" Ref.)	357,151	336,324	161,144	68,422	27,987	951,028	22,374	973,402	C	0	0	0 973,40	2 0)	0 0	0	0 9	973,402
Other2 (External)	7,557	11,396	7,974	2,082	1,099	30,108	1,150	31,258	C	0	0	0) ()	0 31,258	0	0	31,258
Total Program Financing	387,293	386,354	195,765	79,884	31,178	1,080,474	25,435	1,105,909	0	0	101,249	0 973,40	2 0)	0 31,258	0	0 1,	,105,909

02	OZ I HOI TCAI (WILLI ZOTO ALIATOT I ALAIC TCAI OASIIIOW)
S3	S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

Category Code Description Health and Safety C01 Legislated C02 03 State of Good Repair C03 04

Status Code Description

S2

Service Improvement and Enhancement C04

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

CITY OF TORONTO

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

10/-	-4	-t D																						
vva	stewa	ater Program					0		V	0			- 1										—	
						I	Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo		nitments	Financed			
Sul	- Pro	pject No. Project Name									Total	Total	Total	Provincial	Federal	Development		Reserve	Capital from			Del Recov		Total
		bProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	2018-2022	2023-2027	2018-2027	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																						
0	17	STANDBY POWER GENERATION	CW	S2	04	18	0	0	0	0	18	0	18	0	() 1	0	17	1	0 (0	0	0	18
0	19	FERROUS UPGRADES	CW	S2	03	11,521	9,230	0	0	0	20,751	0	20,751	0	(1,671	0	19,080		0 (0	0	0	20,751
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	3,428	32	0	0	0	3,460	0	3,460	0	(0 0	0	3,460		0 (0	0	0	3,460
0	41	POLYMER UPGRADE	CW	S2	03	6,632	21,500	21,500	21,022	20,964	91,618	200	91,818	0	(0 0	0	91,818		0 (0	0	0	91,818
0	46	REHAB OF GROUNDS & BUILDINGS	CW	S2	03	472	0	0	0	0	472	0	472	0	(0 0	0	472		0 (0	0	0	472
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	1,876	1,530	250	49	0	3,705	0	3,705	0	(298	0	3,407		0 (0	0	0	3,705
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	153	0	0	0	0	153	0	153	0	() 12	0	141		0 (0	0	0	153
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,682	1,127	1,100	0	0	3,909	0	3,909	0	(0 0	0	3,909		0 (0	0	0	3,909
0	190	GROUND AND FACILITIES	CW	S2	03	440	440	440	0	0	1,320	0	1,320	0	(0 0	0	1,320		0 (0	0	0	1,320
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,854	2,104	3,104	1,030	4	10,096	4	10,100	o	(0	0	10,100		0 (0	0	0	10,100
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	920	0	0	0	0	920	0	920	o	(0 0	0	920		0 (0	0	0	920
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	680	500	250	0	0	1,430	0	1,430	o	(0 0	0	1,430		0 (0	0	0	1,430
0	227	AIR HEADER REHAB	CW	S2	03	3,393	0	0	0	0	3,393	0	3,393	0	(0 0	0	3,393		0 (0	0	0	3,393
0	229	D BUILDING PHASE 2	CW	S2	03	1,010	11,200	11,000	11,000	11,000	45,210	510	45,720	O	(0 0	0	45,720		0 (0	0	0	45,720
0	246	NEW FLEET PURCHASES	CW	S2	04	25	0	0	0	0	25	0	25	o	(0	0	25		0 (0	0	0	25
0	247	HEATING AND AIR SYSTEMS ASSESSMENT	CW	S2	03	470	0	0	0	0	470	0	470	o	(0	0	470		0 (0	0	0	470
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	1,500	1,013	0	0	0	2,513	0	2,513	o	(0	0	2,513		0 (0	0	0	2,513
0	285	BLOWER 7-9 OVERHAUL	CW	S2	03	1,300	0	0	0	0	1,300	0	1,300	o	(0	0	1,300		0 (0	0	0	1,300
0	287	POLYMER UPGRADE-2018 SC	CW	S3	03	-6,282	1,012	17,150	-9,912	-1,990	-22	22	0	o	(0	0	0		0 (0	0	0	0
0	288	DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	CW	S3	03	-165	1,711	586	2,585	1	4,718	0	4,718	o	(0	0	4,718		0 (0	0	0	4,718
0	289	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2018 SC	CW	S3	03	794	-300	25	0	0	519	0	519	o	() 42	0	477		0 (0	0	0	519
0	290	PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	CW	S3	04	-55	60	0	0	0	5	0	5	o	() 1	0	4		0 (0	0	0	5
0	291	FERROUS UPGRADES-2018 SC	CW	S3	03	1,147	474	31	0	0	1,652	0	1,652	o	(132	0	1,520		0 (0	0	0	1,652
0	292	BLOWER STUDY	CW	S4	03	200	100	0	0	0	300	0	300	0	(0	0	300		0 () 0	0	0	300

CITY OF TORONTO

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

Part Part							Curre	ent and Fu	ture Year	Cash Flov	v Commitm	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Machine Mach			Ward S	Stat. C	Cat. 20	8 2	2019	2020	2021	2022				Grants and	Federal Subsidy	Development Charges	Reserves		from	Other 1	Other2	Reco		10141
ASSESSMENT - 1011 SC																								
216 SC 296 ABT - PROCESS ROADMAP PHASE 2 - CW 83 05 200 0 250 0 0 570 0 570 0 0 0 0 570 0 0 0 0 570 0 0 0	0 29		CW	S3	03	350	0	0	0	0	-350	0	-350	0) (0	0	-350	0	0	0	0	0	-350
2-16 SC 2-16 S	0 29		- CW	S3	03	220	200	0	0	0	-20	0	-20	o) (0	0	-20	0	0	0	0	0	-20
2713 SC 2713 S	0 29		CW	S3	05	320	0	250	0	0	570	0	570	O) C	0	0	570	0	0	0	0	0	570
SC 288	0 29		CW	S3	03	442	0	0	0	0	-442	0	-442	0) C	0	0	-442	0	0	0	0	0	-442
299 HVAC CONVERSION Z-BLDG - 2018 SC	0 29		CW	S3	04	-18	0	0	0	0	-18	0	-18	0) C) -1	0	-17	0	0	0	0	0	-18
0 300 PROCESS AND EQUIPMENT - 2018 SC CW S3 03 76 120 0 1,100 1,100 2,396 0 2,396 0 0 0 0 0 0 2,398 0 0 0 0 0 0 2,398 0 0 0 0 0 2,398 0 0 0 0 0 2,398 0 0 0 0 0 2,398 0 0 0 0 0 0 2,398 0 0 0 0 0 0 2,398 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 298	8 ELECTRICAL REHAB - ECAP - 2018 SC	CW	S3	01 -2	864	2,753	72	0	0	-39	0	-39	o) C	0	0	-39	0	0	0	0	0	-39
0 301 GROUND AND FACILITIES - 2018 SC	0 29	9 HVAC CONVERSION Z-BLDG - 2018 SC	CW	S3	03	500	-539	0	0	0	-39	0	-39	o) С	0	0	-39	0	0	0	0	0	-39
0 302 NEW FLEET PURCHASES - 2018 SC CW S3 04 0 25 25 25 25 100 0 100 0 0 0 0 0 100 0 0 0 0 0 0 0	0 300	0 PROCESS AND EQUIPMENT - 2018 SC	CW	S3	03	78	120	0	1,100	1,100	2,398	0	2,398	o) С	0	0	2,398	0	0	0	0	0	2,398
0 303 BLOWER 7-9 OVERHAUL - 2018 SC	0 30	1 GROUND AND FACILITIES - 2018 SC	CW	S3	03	160	160	0	440	440	1,200	0	1,200	o) С	0	0	1,200	0	0	0	0	0	1,200
0 304 DBUILDING PHASE 2 - 2018 SC	0 30	2 NEW FLEET PURCHASES - 2018 SC	CW	S3	04	0	25	25	25	25	100	0	100	o) С	0	0	100	0	0	0	0	0	100
O 305 AIR HEADER REHAB - 2018 SC CW S3 03	0 30	3 BLOWER 7-9 OVERHAUL - 2018 SC	CW	S3	03	500	0	0	0	0	-500	0	-500	O) C	0	0	-500	0	0	0	0	0	-500
Sub-total Sub-to	0 30	4 D BUILDING PHASE 2 - 2018 SC	CW	S3	03	72	-9,400	0	0	0	-9,328	10,005	677	О) C	0	0	677	0	0	0	0	0	677
WASO00115 HUMBER T.P. 0 9 CO-GENERATION CW S2 04 269 0 0 0 269 0 269 0 0 0 0 0 269 0 0 0 0 0 269 0 63 CO-GENERATION - 2018 SC CW S3 04 -10 0 0 0 0 0 -10 0 -10 0 0 0 0 0 0 0 0	0 30	5 AIR HEADER REHAB - 2018 SC	CW	S3	03	238	2,482	0	0	0	2,244	0	2,244	О) C	0	0	2,244	0	0	0	0	0	2,244
0 9 CO-GENERATION CW S2 04 269 0 0 0 0 269 0 0 0 0 0 269 0 0 0 0 0 269 0 0 0 0 0 269 0 0 0 0 0 269 0 0 0 0 0 269 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Sub-total			31	511	47,534	55,783	27,339	31,544	193,711	10,741	204,452	0	C	2,156	0	202,296	0	0	C	0	0	204,452
0 63 CO-GENERATION - 2018 SC CW S3 04 -10 0 0 0 -10 0 -10 0 0 0 0 0 -10 0 0 0	WAS0001	115 HUMBER T.P.																						
Sub-total 259 0 0 0 0 259 0 259 0 0 0 0 0 259 0 0 0 0 0 259 0 0 0 0 0 259 0 0 0 0 0 259 0 0 0 0 0 259 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 259 0 0 0 0 0 0 0 0 259 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 9	CO-GENERATION	CW	S2	04	269	0	0	0	0	269	0	269	o) C	0	0	269	0	0	0	0	0	269
WAS000259 TRUNK SEWER SYSTEM 0 15 TRUNK SEWER REHABILITATION - 2012 CW S2 03 2,489 419 28 15 0 2,951 0 0 2,951 0 0 0 0 2,951 0 0 0 0 2,951 0 27 TRUNK SEWER REHABILITATION - 2014 CW S2 03 29,722 8,436 1,352 10 0 39,520 0 39,520 0 0 0 0 39,520 0 0 0 0 0 39,520 0 34 BLACK CREEK STS EA CW S2 05 593 0 0 0 0 593 0 593 0 0 0 0 593 0 47 TRUNK SEWER REHABILITATION - 2016 CW S2 03 22,346 12,028 732 14 0 35,120 0 35,120 0 0 0 0 35,120 0 0 0 0 35,120	0 63	CO-GENERATION - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	o) C	0	0	-10	0	0	0	0	0	-10
0 15 TRUNK SEWER REHABILITATION - 2012 CW S2 03 2,489 419 28 15 0 2,951 0 0 0 0 0 2,951 0 0 0 0 0 2,951 0 0 0 0 2,951 0 0 0 0 2,951 0 0 0 0 0 2,951 0 0 0 0 0 2,951 0 0 0 0 0 2,951 0 0 0 0 0 39,520 0 0 0 0 0 39,520 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						259	0	0	0	0	259	0	259	0	C	0	0	259	0	0	C	0	0	259
0 27 TRUNK SEWER REHABILITATION - 2014 CW S2 03 29,722 8,436 1,352 10 0 39,520 0 0 0 0 0 39,520 0 0 0 0 39,520 0 0 0 0 39,520 0 0 0 0 39,520 0 0 0 0 0 39,520 0 0 0 0 0 39,520 0 0 0 0 0 39,520 0 0 0 0 0 0 39,520 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAS0002	TRUNK SEWER SYSTEM																						
0 34 BLACK CREEK STS EA CW S2 05 593 0 0 0 593 0 593 0 0 0 593 0 0 0 0 593 0 0 0 0 593 0 0 0 0 0 593 0 0 0 0 0 593 0 0 0 0 0 593 0 0 0 0 0 0 35,120	0 15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03 2	489	419	28	15	0	2,951	0	2,951	o) C	0	0	2,951	0	0	0	0	0	2,951
0 47 TRUNK SEWER REHABILITATION - 2016 CW S2 03 22,346 12,028 732 14 0 35,120 0 0 0 0 0 35,120 0 0 0 0 35,120	0 27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03 29	722	8,436	1,352	10	0	39,520	0	39,520	O) C	0	0	39,520	0	0	0	0	0	39,520
	0 34	BLACK CREEK STS EA	CW	S2	05	593	0	0	0	0	593	0	593	o) C	0	0	593	0	0	0	0	0	593
0 53 TRUNK SEWER REHABILITATION - 2018 CW S2 03 3,136 12,405 29,504 29,906 20,083 95,034 7,998 103,032 0 0 0 0 103,032 0 0 0 0 103,032	0 47	TRUNK SEWER REHABILITATION - 2016	CW	S2	03 22	346	12,028	732	14	0	35,120	0	35,120	o) C	0	0	35,120	0	0	0	0	0	35,120
	0 53	TRUNK SEWER REHABILITATION - 2018	CW	S2	03 3	136	12,405	29,504	29,906	20,083	95,034	7,998	103,032	0) C	0	0	103,032	0	0	0	0	0	103,032

CITY OF TORONTO

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

							Curre	ent and Fu	ture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub- Prior		iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal (Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recovera Debt		Total Financing
WAS	00259	TRUNK SEWER SYSTEM																						
0	56	TRUNK SEWER REHABILITATION - 2012-2018 SC	CW	S3	03	-811	569	59	1	0	-182	0	-182	0	0	0	0	-182	0	0	0	0	0	-182
0	57	TRUNK SEWER REHABILITATION - 2014-2018 SC	CW	S3	03	-10,059	12,571	2,028	0	14	4,554	0	4,554	0	0	0	0	4,554	0	0	0	0	0	4,554
0	58	TRUNK SEWER REHABILITATION - 2016-2018 SC	CW	S3	03	981	6,013	8,315	1,521	151	16,981	0	16,981	0	0	0	0	16,981	0	0	0	0	0	16,981
0	59	TRUNK SEWER REHABILITATION - 2018-2018 SC	CW	S3	03	-494	1,557	15,470	39,679	19,528	75,740	1,501	77,241	0	0	0	0	77,241	0	0	0	0	0	77,241
0	60	BLACK CREEK STS EA-2018 SC	CW	S3	05	-47	60	0	0	0	13	0	13	0	0	0	0	13	0	0	0	0	0	13
0	61	TRUNK SEWER REHABILITATION - 2018 SC	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
		Sub-total				47,857	54,058	57,488	71,146	39,776	270,325	9,499	279,824	0	0	0	0	279,824	0	0	0	0	0	279,824
WASO	00442	BASEMENT FLOODING RELIEF																						
0	1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	4,600	5,500	0	0	0	10,100	0	10,100	0	0	0	0	10,100	0	0	0	0	0	10,100
0	8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	1,330	200	200	100	0	1,830	0	1,830	0	0	0	0	1,830	0	0	0	0	0	1,830
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	. CW	S2	04	3,455	1,545	7,900	35,000	35,000	82,900	90,000	172,900	0	0	0	0	172,900	0	0	0	0	0	172,900
0	14	BASEMENT FLOODING DESIGN - GROUP 1	cw	S2	04	272	1,075	0	0	0	1,347	0	1,347	0	0	0	0	1,347	0	0	0	0	0	1,347
0	18	BASEMENT FLOODING DESIGN - GROUP 2	cw	S2	04	1,959	2,390	2,000	0	0	6,349	0	6,349	0	0	0	0	6,349	0	0	0	0	0	6,349
0	19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	11,241	10,927	16,545	7,500	0	46,213	0	46,213	0	0	0	0	46,213	0	0	0	0	0	46,213
0	20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	2,881	309	2,320	0	0	5,510	0	5,510	0	0	0	0	5,510	0	0	0	0	0	5,510
0	29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	2,558	55	0	0	0	2,613	0	2,613	0	0	0	0	2,613	0	0	0	0	0	2,613
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	926	954	982	0	0	2,862	0	2,862	0	0	0	0	2,862	0	0	0	0	0	2,862
0	77	BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEERING)	CW	S2	04	21,536	15,430	16,335	14,270	14,400	81,971	37,884	119,855	0	0	0	0	119,855	0	0	0	0	0	119,855
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	4,501	3,550	2,850	1,800	1,500	14,201	2,150	16,351	0	0	0	0	16,351	0	0	0	0	0	16,351
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	CW	S2	04	45,007	66,350	72,859	85,700	116,901	386,817	377,905	764,722	0	0	0	0	764,722	0	0	0	0	0	764,722
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S2	04	15,153	7,840	6,388	5,000	0	34,381	0	34,381	0	0	0	0	34,381	0	0	0	0	0	34,381
0	109	REAL ESTATE - IDC	CW	S2	04	131	0	0	0	0	131	0	131	0	0	0	0	131	0	0	0	0	0	131
0	118	BASEMENT FLOODING PROTECTION SUBSIDY PROG-2018 SC	CW	S3	04	900	0	5,500	0	0	6,400	0	6,400	0	0	0	0	6,400	0	0	0	0	0	6,400
0	119	BASEMENT FLOODING STUDIES & EAS-2018 SC	CW	S3	04	-804	456	-200	-100	0	-648	0	-648	0	0	0	0	-648	0	0	0	0	0	-648

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						Curre	ent and Fu	ıture Year	Cash Flov	w Commitr	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	nitments	Financed	Ву			
Sub Prio		ect No. Project Name Proj No. Sub-project Name	Ward	Stat	Cat	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover	- 1	Total Financing
		BASEMENT FLOODING RELIEF	· · · · · · · · · · · · · · · · · · ·	Otat.	Jul.						2010 2022		20.0 2027	Subsidies									T	- manonig
0	120	BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	P CW	S3	04	769	1	0	0	0	770	0	770	0	0	0	0	770	0	0 (0 0	0	0	770
0	121	BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	P CW	S3	04	-279	642	126	0	0	489	0	489	0	0	0	0	489	0	0 (0 0	0	0	489
0	122	BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	CW	S3	04	-2,499	2,670	30	0	0	201	0	201	0	0	0	0	201	0	0 (0 0	0	0	201
0	123	ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	CW	S3	04	13	330	0	0	0	343	0	343	0	0	0	0	343	0	0 (0 0	0	0	343
0	124	BASEMENT FLOODING RELIEF - TUNNEL PROJECT-2018 SC	L CW	S3	04	-2,203	3,750	-2,100	2,700	2,000	4,147	28,900	33,047	0	0	0	0	33,047	0	0 (0 0	0	0	33,047
0	125	BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	CW	S3	04	-5,394	2,155	-12,342	-7,500	0	-23,081	0	-23,081	0	0	0	0	-23,081	0	0 (0 0	0	0	-23,081
0	126	BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	P CW	S3	04	-1,109	1,553	-1,290	919	0	73	0	73	0	0	0	0	73	0	0 (0 0	0	0	73
0	127	BASEMENT FLOODING STUDIES & EAS IMPLEMENT-2018 SC	CW	S3	04	-2,057	1,773	905	-50	-500	71	-1,400	-1,329	0	0	0	0	-1,329	0	0 (0 0	0	0	-1,329
0	128	BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018 SC	P CW	S3	04	-239	15,450	18,185	28,443	32,850	94,689	132,335	227,024	0	0	0	0	227,024	0	0 (0 0	0	0	227,024
0	129	BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018 SC	CW	S3	04	-32,410	-33,670	-9,119	-41,423	-63,249	-179,871	-108,751	-288,622	0	0	0	0	-288,622	0	0 (0 0	0	0	-288,622
0	130	BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018 SC	CW	S3	04	-8,853	1,963	10,356	8,978	0	12,444	0	12,444	0	0	0	0	12,444	0	0 (0 0	0	0	12,444
0	131	REAL ESTATE - IDC - 2018 SC	CW	S3	04	-131	0	0	0	0	-131	0	-131	0	0	0	0	-131	0	0 (0 0	0	0	-131
		Sub-total				61,254	113,198	138,430	141,337	138,902	593,121	559,023	1,152,144	0	0	0	0 1	1,152,144	0	0 (0 0	0	0 ′	1,152,144
WAS	000521	HIGHLAND CREEK WWTP - BUILDING SE	ERV &																					
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	681	630	0	0	0	1,311	0	1,311	0	0	0	0	1,311	0	0 (0 0	0	0	1,311
0	10	HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC	- CW	S3	03	2,132	-130	0	0	0	2,002	0	2,002	0	0	0	0	2,002	0	0 (0 0	0	0	2,002
		Sub-total				2,813	500	0	0	0	3,313	0	3,313	0	0	0	0	3,313	0	0 (0 0	0	0	3,313
WAS	906322	W&WW LABORATORIES																						
0	9	LAB EQUIPMENT	CW	S2	03	248	358	209	458	0	1,273	0	1,273	0	0	0	0	1,273	0	0 (0 0	0	0	1,273
0	22	LAB & EMP FACILITIES	CW	S4	04	1,800	6,500	2,500	0	0	10,800	8,450	19,250	0	0	0	0	19,250	0) (0 0	0	0	19,250
0	27	LAB EQUIPMENT - FUTURE	CW	S4	03	254	337	242	458	102	1,393	1,050	2,443	0	0	0	0	2,443	0) (0 0	0	0	2,443
0	32	LAB EQUIPMENT - 2018 SC	CW	S3	03	33	-358	-209	-458	0	-992	0	-992	0	0	0	0	-992	0) (0 0	0	0	-992
		Sub-total				2,335	6,837	2,742	458	102	12,474	9,500	21,974	0	0	0	0	21,974	C	0 (0 0	0	0	21,974
WAS	906328	SWM END OF PIPE FACILITIES												-									T	
0	11	Bonar Creek SWMF Construction	CW	S2	04	660	7,850	7,700	100	100	16,410	0	16,410	0	0	1,321	0	15,089	C	0 (0 0	0	0	16,410

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				ĺ		Curre	nt and Fu	ture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	iture Year (Cash Flo	w Comm	itments	Financed	Ву			
Sub Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal I	Development Charges	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del Recov Debt		Total Financing
		SWM END OF PIPE FACILITIES																						
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	859	250	0	0	0	1,109	0	1,109	0	0	89	0	1,020	0) C	0	0	0	1,109
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	1,150	4,000	5,150	42,800	47,950	0	0	3,860	0	44,090	0) (0	0	0	47,950
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S2	03	400	150	0	0	0	550	0	550	0	0	44	0	506	0) C	0	0	0	550
0	67	YR03 D1 END OF PIPE	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0) (0	0	0	1
0	68	Scarborough Waterfront Construction-2018 SC	s CW	S3	04	0	0	0	-1,150	-4,000	-5,150	5,150	0	0	0	0	0	0	0) (0	0	0	0
0	69	EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC	CW	S 3	04	-839	750	0	0	0	-89	0	-89	0	0	-7	0	-82	0) (0	0	0	-89
0	70	Bonar Creek SWMF Construction-2018 SC	cw.	S 3	04	-160	-6,100	1,550	9,025	75	4,390	0	4,390	0	0	352	0	4,038	0) (0	0	0	4,390
0	71	HUMBER BAY POND (ETOBICOKE)-2018 SC	CW	S 3	03	-350	100	300	0	0	50	0	50	0	0	4	0	46	0) (0	0	0	50
0	72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S 3	04	500	250	500	0	0	1,250	0	1,250	0	0	100	0	1,150	0) (0	0	0	1,250
0	73	YR03 D1 END OF PIPE - 2018 SC	CW	S 3	04	0	1	0	0	0	1	0	1	0	0	0	0	1	0) C	0	0	0	1
		Sub-total				1,071	3,251	10,050	9,125	175	23,672	47,950	71,622	0	0	5,763	0	65,859	0) (0	0	0	71,622
WAS	906331	SWM SOURCE CONTROL PROG																						
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	204	0	0	0	0	204	0	204	0	0	0	0	204	0) C	0	0	0	204
0	16	DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	CW	S3	04	-122	70	70	20	20	58	0	58	0	0	0	0	58	0) (0	0	0	58
		Sub-total				82	70	70	20	20	262	0	262	0	0	0	0	262	0) (0	0	0	262
WAS	906380	HIGHLAND CREEK WWTP - ODOUR COI	NTROL		:																			
0	1	ODOUR CONTROL UPGRADES - PHASE ENG	1 CW	S2	04	620	440	439	6	0	1,505	0	1,505	0	0	120	0	1,385	0) (0	0	0	1,505
0	2	ODOUR CONTROL UPGRADES - PHASE CONSTR	1 CW	S2	02	4,866	6,205	6,117	0	0	17,188	0	17,188	0	0	1,383	0	15,805	0) (0	0	0	17,188
0	22	ODOUR CONTROL UPGRADES - PHASE ENG-2018 SC	1 CW	S3	04	112	-50	-236	50	50	-74	20	-54	0	0	-3	0	-51	0) (0	0	0	-54
0	23	ODOUR CONTROL UPGRADES - PHASE CONSTR-2018 SC	1 CW	S3	02	1,005	0	-998	0	0	7	0	7	0	0	0	0	7	0) (0	0	0	7
		Sub-total				6,603	6,595	5,322	56	50	18,626	20	18,646	0	0	1,500	0	17,146	0) C	0	0	0	18,646
WAS	906486	ASHBRIDGES BAY T.P III YR2004																						
0	3	PCS-PLANT SRVS	CW	S2	04	197	0	0	0	0	197	0	197	0	0	16	0	181	0) C	0	0	0	197
0	49	PCS-PLANT SRVS-2018 SC	CW	S3	04	-177	0	0	0	0	-177	0	-177	0	0	-14	0	-163	0) C	0	0	0	-177
		Sub-total				20	0	0	0	0	20	0	20	0	0	2	0	18	0	С	0	0	0	20

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77.	asiewa	ater Program																						
							Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		oject No. Project Name ubProj No. Sub-project Name	Ward	l Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	ebt - overable	Total Financing
WA	S906488	8 HUMBER T.P II YR2004																						
0	2	PCS PLANT SERVICES	CW	/ S2	04	8	0	0	0	0	8	0	8	O	(0 1	0	7	0	0	0	0	0	8
0	25	PCS PLANT SERVICES - 2018 SC	CW	/ S3	04	-3	0	0	0	0	-3	0	-3	o	(0 -1	0	-2	0	0	0	0	0	-3
		Sub-total				5	0	0	0	0	5	0	5	0	(0 0	0	5	0) 0	C	0	0	5
WA	S906492	2 WET WEATHER FLOW MP																						
0	1	SWM INA/EA	CW	/ S2	04	548	325	0	0	0	873	0	873	O	(0 70	0	803	0	0	0	0	0	873
0	2	PUBLIC EDUCATION	CW	/ S2	04	698	0	0	0	0	698	0	698	О	(56	0	642	0	0	0	0	0	698
0	14	WWFMP IMPLEMENTATION - DESIG	N CW	/ S2	04	918	1,400	1,450	0	0	3,768	0	3,768	О	(303	0	3,465	0	0	0	0	0	3,768
0	41	SWM CONVEYANCE 2012	CW	/ S2	04	1	0	0	0	0	1	0	1	o	(0 0	0	1	0	0	0	0	0	1
0	51	SWM CONVEYANCE 2014	CW	/ S2	04	1	0	0	0	0	1	0	1	o	(0 0	0	1	0	0	0	0	0	1
0	58	SWM CONVEYANCE 2015	CW	/ S2	04	505	0	0	0	0	505	0	505	О	(0 40	0	465	0	0	0	0	0	505
0	59	STORM WATER POND ASSESSMEN CLEANING	T& CW	/ S2	03	2,098	2,400	4,800	4,300	3,500	17,098	0	17,098	О	(0 0	0	17,098	0	0	0	0	0	17,098
0	60	ASHBRIDGES BAY LANDFORMS	CW	/ S2	04	5,000	5,000	5,000	5,000	5,000	25,000	7,500	32,500	О	(0 0	0	32,500	0	0	0	0	0	32,500
0	84	SWM CONVEYANCE 2017	CW	/ S2	04	2,292	1,010	0	0	0	3,302	0	3,302	o	(266	0	3,036	0	0	0	0	0	3,302
0	86	GREEN STREETS	CW	/ S2	04	814	403	170	0	0	1,387	0	1,387	О	(0 112	0	1,275	0	0	0	0	0	1,387
0	97	WATERFRONT MODELLING STUDIE	s cw	/ S2	05	100	100	100	100	75	475	0	475	o	(38	0	437	0	0	0	0	0	475
0	98	SWM INA/EA-2018 SC	CW	/ S3	04	408	415	655	440	110	2,028	0	2,028	О	(0 164	0	1,864	0	0	0	0	0	2,028
0	99	WWFMP IMPLEMENTATION - DESIGN-2018 SC	CW	/ S3	04	-265	-767	-1,150	0	0	-2,182	0	-2,182	o	(0 -175	0	-2,007	0	0	0	0	0	-2,182
0	100	SWM CONVEYANCE 2012-2018 SC	CW	/ S3	04	o	37	0	0	0	37	0	37	o	(0 3	0	34	0	0	0	0	0	37
0	102	SWM CONVEYANCE 2015-2018 SC	CW	/ S3	04	-500	785	0	0	0	285	0	285	О	(0 23	0	262	0	0	0	0	0	285
0	103	STORM WATER POND ASSESSMEN CLEANING-2018 SC	T& CW	/ S3	03	-573	1,100	-1,800	-1,300	-500	-3,073	0	-3,073	О	(0 0	0	-3,073	0	0	0	0	0	-3,073
0	104	ASHBRIDGES BAY LANDFORMS-201	8 SC CW	/ S3	04	-5,000	-1,750	1,300	1,300	300	-3,850	4,350	500	o	(0 0	0	500	0	0	0	0	0	500
0	105	SWM CONVEYANCE 2017-2018 SC	CW	/ S3	04	504	582	1,660	646	0	3,392	0	3,392	О	(0 273	0	3,119	0	0	0	0	0	3,392
0	106	GREEN STREETS-2018 SC	CW	/ S3	04	79	481	95	180	40	875	0	875	О	(0 69	0	806	0	0	0	0	0	875
0	107	WATERFRONT MODELLING STUDIE 2018 SC	S- CW	/ S3	05	-100	-75	-75	0	25	-225	290	65	0	(0 5	0	60	0	0	0	0	0	65
						•							'											•

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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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viasto	vater i rogram																						
						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	ow Commi	itments l	Financed	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
WAS9064	92 WET WEATHER FLOW MP																						
0 10	PUBLIC EDUCATION - 2018 SC	CW	S3	04	-88	0	0	0	0	-88	0	-88	0	0	-7	0	-81	0	C	0	0	0	-88
	Sub-total				7,440	11,446	12,205	10,666	8,550	50,307	12,140	62,447	0	0	1,240	0	61,207	0	C	0	0	0	62,447
WAS9064	95 SEWER ASSET PLANNING																						
0 5	SEWER ASSET PLANNING	CW	S2	03	9,360	7,084	255	0	0	16,699	0	16,699	0	0	1,345	0	15,354	0	C	0	0	0	16,699
0 7	SEWER SYSTEM INSPECTION	CW	S2	03	18,125	7,745	10,000	0	0	35,870	0	35,870	0	0	0	0	35,870	0	C	0	0	0	35,870
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	160	0	0	0	0	160	0	160	0	0	0	0	160	0	C	0	0	0	160
0 35	SEWER ASSET PLANNING-2018 SC	CW	S3	03	-2,679	3,690	7,995	8,000	8,000	25,006	2,000	27,006	0	0	2,173	0	24,833	0	C	0	0	0	27,006
0 36	SEWER SYSTEM INSPECTION-2018 SO	CW	S3	03	-8,188	2,424	-1,710	0	0	-7,474	0	-7,474	0	0	0	0	-7,474	0	C	0	0	0	-7,474
0 37	PPD - INFRASTRUCTURE PLANNING STUDIES-2018 SC	CW	S3	05	102	150	0	0	0	252	0	252	0	0	0	0	252	0	C	0	0	0	252
0 38	CORP IT - IDC-2018 SC	CW	S3	04	147	0	0	0	0	147	0	147	0	0	0	0	147	0	(0	0	0	147
	Sub-total				17,027	21,093	16,540	8,000	8,000	70,660	2,000	72,660	0	0	3,518	0	69,142	0	C	0	0	0	72,660
WAS9065	NEW SEWER CONSTRUCTION																						
0 5	NEW SEWERS	CW	S2	05	560	0	0	0	0	560	0	560	0	0	348	0	212	0	C	0	0	0	560
0 24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	2,280	5,000	5,000	0	0	12,280	0	12,280	0	0	6,140	0	6,140	0	C	0	0	0	12,280
0 25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	5,000	1,550	0	0	0	6,550	0	6,550	0	0	6,550	0	0	0	C	0	0	0	6,550
0 36	SHEPPARD SANITARY SEWER AT EAS DON STS	T CW	S4	05	1,000	2,000	1,000	0	0	4,000	0	4,000	0	0	2,488	0	1,512	0	C	0	0	0	4,000
0 37	NEW SEWERS-2018 SC	CW	S3	05	-545	73	500	0	0	28	0	28	0	0	17	0	11	0	C	0	0	0	28
0 38	DOWNSVIEW LANDS EXTERNAL UPGRADES-2018 SC	CW	S3	05	-5,000	-1,550	1,450	5,000	1,550	1,450	0	1,450	0	0	1,450	0	0	0	C	0	0	0	1,450
0 39	WATERFRONT SANITARY MASTER SERVICING PLAN-2018 SC	CW	S3	05	-280	500	1,500	1,500	750	3,970	0	3,970	0	0	1,985	0	1,985	0	C	0	0	0	3,970
	Sub-total				3,015	7,573	9,450	6,500	2,300	28,838	0	28,838	0	0	18,978	0	9,860	0	C	0	0	0	28,838
WAS9065	901 YARD & BUILDING RENOVATION																						
0 11	YARDS & BUILDING RENOVATION	CW	S2	04	2	0	0	0	0	2	0	2	0	0	0	0	2	0	C	0	0	0	2
0 12	YARDS & BUILDING RENOVATION - 201 SC	8 CW	S3	04	-2	0	0	0	0	-2	0	-2	0	0	0	0	-2	0	C	0	0	0	-2
	Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0	0
WAS9067	235 DIST SEWER REHAB OPS YR2005																						
l																							

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vvas	icwa	ter Program																							
								Curre	ent and Fu	uture Yea	r Cash Flo	w Commitn	nents			Cur	rent and Fu	iture Year	Cash Flow	Commitn	nents F	inanced E	Зу		
Sub-		<u>ject No.</u> <u>Projec</u> Proj No. Sub-p		Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds C	Capital from Current O	Other 1	Other2	Deb Recove Debt	rable	Total Financing
			HAB OPS YR2005												Cubsidies									\neg	
0	10		GE PUMPING STATION	CW	S2	03	12	69	0	0	0	81	0	81	0	0	7	0	74	0	0	0	0	0	81
0	19	GROUP 1 SEWA UPGRADES -201	GE PUMPING STATION 8 SC	CW	S3	03	3	-34	20	0	0	-11	0	-11	0	0	-1	0	-10	0	0	0	0	0	-11
		Sub-	total				15	35	20	0	0	70	0	70	0	0	6	0	64	0	0	0	0	0	70
WAS	906741	HIGHLAND CRE	EK TP YR2005																					\neg	
0	1	WAS THICKENIN	IG AND DEWATERING -	CW	S2	03	13	0	0	0	0	13	0	13	0	0	1	0	12	0	0	0	0	0	13
0	20	WAS THICKENIN ENG - 2018 SC	IG AND DEWATERING -	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	-1	0	-9	0	0	0	0	0	-10
		Sub-	total				3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
WAS	906742	HUMBER TP YR	<u>2005</u>																						
0	8	ODOUR CONTR	OL ENGINEERING	CW	S2	04	10	500	100	20	0	630	0	630	0	0	0	0	630	0	0	0	0	0	630
0	57	ODOUR CONTR	OL ENGINEERING - 2018	CW	S3	04	295	-126	-10	0	0	159	0	159	0	0	0	0	159	0	0	0	0	0	159
		Sub-	total				305	374	90	20	0	789	0	789	0	0	0	0	789	0	0	0	0	0	789
WAS	906743	ASHRIDGES BAY	/ TP YR2005																						
0	1	MISC MECH ENG	GINEERING	CW	S2	03	500	482	80	0	0	1,062	0	1,062	0	0	85	0	977	0	0	0	0	0	1,062
0	7	SERVICE AIR UP	GRADES	CW	S2	03	1,600	75	0	0	0	1,675	0	1,675	0	0	0	0	1,675	0	0	0	0	0	1,675
0	61	MISC MECH EN	GINEERING-2018 SC	CW	S3	03	0	179	0	0	0	179	0	179	0	0	14	0	165	0	0	0	0	0	179
0	62	SERVICE AIR UP	GRADES - 2018 SC	CW	S3	03	-1,435	1,252	0	0	0	-183	0	-183	0	0	0	0	-183	0	0	0	0	0	-183
		Sub-	total				665	1,988	80	0	0	2,733	0	2,733	0	0	99	0	2,634	0	0	0	0	0	2,733
WAS	906755	WESTERN BEAG	CHES RETROFIT																						
0	1	WESTERN BEAG	CHES RETROFIT	CW	S2	03	5,561	6,342	5,885	15	86	17,889	0	17,889	0	0	1,440	0	16,449	0	0	0	0	0	17,889
0	16	WESTERN BEAG	CHES RETROFIT-2018 SC	CW	S3	03	781	-1,042	492	0	0	231	0	231	0	0	18	0	213	0	0	0	0	0	231
		Sub-	total				6,342	5,300	6,377	15	86	18,120	0	18,120	0	0	1,458	0	16,662	0	0	0	0	0	18,120
WAS	906926	OPERATIONAL S	SUPPORT																					\dashv	$\neg \neg$
0	6	FACILITY RENO	/ATION	CW	S2	04	750	750	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500
0	7	RENOVATION - I	MERTON STREET	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	20
0	23	EMP MONITORII	NG NEEDS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50

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					[Curre	ent and Fu	iture Year	Cash Flov	w Commitm	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub Pric		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	ble	Total Financing
WAS	906926	OPERATIONAL SUPPORT																						
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	9,444	5,015	4,749	51	0	19,259	0	19,259	0	0	0	0	19,259	0	0	0	0	0	19,259
0	100	DIVISIONAL SECURITY	CW	S2	04	1,030	0	0	0	0	1,030	0	1,030	0	0	0	0	1,030	0	0	0	0	0	1,030
0	107	OFFICE MODERNIZATION - MH18	CW	S2	04	1,875	0	0	0	0	1,875	0	1,875	0	0	0	0	1,875	0	0	0	0	0	1,875
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S2	04	500	1,000	2,000	400	0	3,900	0	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900
0	115	PCS UPGRADES FOR WASTEWATER TREATMENT - 2018 SC	CW	S3	04	-7,624	1,746	1,351	4,014	25	-488	0	-488	0	0	0	0	-488	0	0	0	0	0	-488
0	116	DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC	CW	S3	04	-250	-750	-1,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	117	BACKUP POWER - FINCH AND DEE - 201 SC	8 CW	S3	04	0	0	0	500	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	118	OFFICE MODERNIZATION - MH18 - 2018 SC	CW	S3	04	-1,425	450	975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	119	RENOVATION - MERTON STREET - 2018 SC	CW	S3	04	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
0	120	DIVISIONAL SECURITY - 2018 SC	CW	S3	04	5	1,135	0	0	0	1,140	0	1,140	0	0	0	0	1,140	0	0	0	0	0	1,140
0	121	FACILITY RENOVATION - 2018 SC	CW	S3	04	0	0	750	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	122	435 KIPLING AVENUE	CW	S4	04	150	1,900	3,750	0	0	5,800	0	5,800	0	0	0	0	5,800	0	0	0	0	0	5,800
		Sub-total			Ī	4,515	11,246	12,575	6,565	425	35,326	0	35,326	0	0	0	0	35,326	0	0	0	0	0	35,326
WAS	906958	SEWER SYSTEM REHABILITATION																						
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	32	0	0	0	0	32	0	32	0	0	3	0	29	0	0	0	0	0	32
0	5	CCTV INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	8	SPS SCADA UPGRADES - ENGINEERING	G CW	S2	04	224	0	0	0	0	224	0	224	0	0	18	0	206	0	0	0	0	0	224
0	9	SEWER REHABILITATION	CW	S2	03	16,161	6,036	36	0	0	22,233	0	22,233	0	0	0	0	22,233	0	0	0	0	0	22,233
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	115	0	0	0	0	115	0	115	0	0	9	0	106	0	0	0	0	0	115
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	6,300	6,265	3,928	2,128	0	18,621	0	18,621	0	0	1,498	0	17,123	0	0	0	0	0	18,621
0	79	SEWER REHABILITATION - CWD	CW	S2	03	52,158	18,200	1,700	1,700	1,700	75,458	150	75,608	0	0	0	0	75,608	0	0	0	0	0	75,608
0	91	SEWER REHABILITATION-2018 SC	CW	S3	03	8,117	17,818	13,800	5,500	4,700	49,935	0	49,935	0	0	0	0	49,935	0	0	0	0	0	49,935
0	92	SEWER REHABILITATION - CWD-2018 SC	C CW	S3	03	-753	32,123	19,880	1,043	1,043	53,336	-150	53,186	0	0	0	0	53,186	0	0	0	0	0	53,186
0	94	SPS SCADA UPGRADES - ENGINEERING-2018 SC	CW	S3	04	17	512	0	0	0	529	0	529	0	0	42	0	487	0	0	0	0	0	529

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	010110	iter i rogram			——.																			
							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	itments I	inanced	Ву		
<u>Sul</u> Prio		oject No. Project Name DProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Oebt - overable	Total Financing
		SEWER SYSTEM REHABILITATION													-									
0	95	SEWAGE PUMPING STATION STANDBY POWER-2018 SC	CW	S3	02	-114	117	0	0	0	3	0	3	0	0	0	0	3	0	C	0	0	0	3
0	96	GROUP 5 SEWAGE PUMPING STATION UPGRADES-2018 SC	CW	S3	05	-1,775	-4	579	-2,048	0	-3,248	0	-3,248	0	0	-261	0	-2,987	0	C	0	0	0	-3,248
0	97	CCTV INSPECTION - 2018 SC	CW	S3	03	100	1,200	1,100	0	0	2,400	0	2,400	o	0	0	0	2,400	0	C	0	0	0	2,400
		Sub-total				81,782	82,267	41,023	8,323	7,443	220,838	0	220,838	0	0	1,309	0	219,529	0	С	0	0	0	220,838
WAS	906960	STREAM RESTORATION & EROSION CO	NTRC		•																			
0	7	STREAM RESTORATION	CW	S2	03	1,440	0	0	0	0	1,440	0	1,440	0	0	116	0	1,324	0	C	0	0	0	1,440
0	41	WATERCOURSE - ENGINEERING	CW	S2	03	1,175	1,135	1,025	1,030	425	4,790	1,065	5,855	o	0	472	0	5,383	0	C	0	0	0	5,855
0	43	PARTNER PROJECTS	CW	S2	03	1,920	1,600	600	200	0	4,320	0	4,320	0	0	348	0	3,972	0	C	0	0	0	4,320
0	51	STUDIES, EAS, MASTER PLANS	CW	S2	03	2,330	1,930	860	410	50	5,580	0	5,580	o	0	448	0	5,132	0	C	0	0	0	5,580
0	52	CRITICAL REPAIRS	CW	S2	03	2,367	1,500	1,275	1,575	1,410	8,127	1,145	9,272	o	0	748	0	8,524	0	C	0	0	0	9,272
0	53	EMERGENCY EROSION CONTROL	CW	S2	03	860	850	300	300	150	2,460	0	2,460	О	0	198	0	2,262	0	C	0	0	0	2,460
0	55	STREAM RESTORATION -2018 SC	CW	S3	03	-1,042	73	0	0	0	-969	0	-969	О	0	-78	0	-891	0	C	0	0	0	-969
0	56	STUDIES, EAS, MASTER PLANS -2018 SO	c cw	S3	03	-978	527	702	183	25	459	0	459	o	0	39	0	420	0	C	0	0	0	459
0	57	CRITICAL REPAIRS-2018 SC	CW	S3	03	-887	1,353	683	648	-737	1,060	-567	493	0	0	39	0	454	0	C	0	0	0	493
0	59	WATERCOURSE - ENGINEERING - 2018 SC	CW	S3	03	-705	-375	275	-130	615	-320	395	75	0	0	7	0	68	0	C	0	0	0	75
0	60	EMERGENCY EROSION CONTROL - 201 SC	8 CW	S3	03	-560	-550	0	0	0	-1,110	0	-1,110	0	0	-90	0	-1,020	0	C	0	0	0	-1,110
0	61	PARTNER PROJECTS - 2018 SC	CW	S3	03	-1,320	-1,000	0	0	0	-2,320	0	-2,320	0	0	-188	0	-2,132	0	C	0	0	0	-2,320
		Sub-total				4,600	7,043	5,720	4,216	1,938	23,517	2,038	25,555	0	0	2,059	0	23,496	0	C	0	0	0	25,555
WAS	906966	SWM TRCA FUNDING																						
0	22	TORONTO WATER TRANSFER TO TRCA CAPITAL	CW	S3	04	4,382	0	0	0	0	4,382	0	4,382	0	0	353	0	4,029	0	C	0	0	0	4,382
		Sub-total				4,382	0	0	0	0	4,382	0	4,382	0	0	353	0	4,029	0	C	0	0	0	4,382
WAS	906968	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	14,195	11,737	5,571	2,647	825	34,975	1,440	36,415	0	0	0	0	36,415	0	C	0	0	0	36,415
0	52	ECS SALARIES	CW	S2	03	114	0	0	0	0	114	0	114	0	0	0	0	114	0	C	0	0	0	114
0	59	ROAD RESTORATION	CW	S2	03	800	0	0	0	0	800	0	800	σ	0	0	0	800	0	C	0	0	0	800

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					Γ		Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Curre	nt and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		<u>ject No. Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Dev	velopment Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera	able	Total Financing
		ENGINEERING												Cabbialoc	·									
0	65	ECS SALARIES - 2018 SC	CW	S3	03	14,477	0	0	0	0	14,477	0	14,477	0	0	0	0	14,477	0	0	0	0	0	14,477
0	67	ROAD RESTORATION-2018 SC	CW	S3	03	-71	729	0	0	0	658	0	658	o	0	0	0	658	0	0	0	0	0	658
0	68	CONSULTING FEES-2018 SC	CW	S3	03	-2,513	121	1,350	-346	320	-1,068	266	-802	О	0	0	0	-802	0	0	0	0	0	-802
0	69	TW SALARIES	CW	S4	03	967	0	0	0	0	967	0	967	o	0	0	0	967	0	0	0	0	0	967
		Sub-total				27,969	12,587	6,921	2,301	1,145	50,923	1,706	52,629	0	0	0	0	52,629	0	0	0	0	0	52,629
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	24	FORCEMAIN REPLACEMENT	CW	S2	03	25	0	0	0	0	25	0	25	o	0	0	0	25	0	0	0	0	0	25
0	25	2012 SEWER REPLC	CW	S2	03	100	0	0	0	0	100	0	100	o	0	0	0	100	0	0	0	0	0	100
0	35	2013 SEWER REPLC	CW	S2	03	9	0	0	0	0	9	0	9	O	0	1	0	8	0	0	0	0	0	9
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	335	0	0	0	0	335	0	335	0	0	27	0	308	0	0	0	0	0	335
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	1,483	0	0	0	0	1,483	0	1,483	0	0	970	0	513	0	0	0	0	0	1,483
0	47	EBF REPORT	CW	S2	04	400	0	0	0	0	400	0	400	O	0	262	0	138	0	0	0	0	0	400
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	244	1,961	1,916	1,916	0	6,037	0	6,037	0	0	0	0	6,037	0	0	0	0	0	6,037
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	895	0	0	0	0	895	0	895	O	0	72	0	823	0	0	0	0	0	895
0	71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	7,636	0	0	0	0	7,636	0	7,636	O	0	615	0	7,021	0	0	0	0	0	7,636
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	11,008	10,900	25	25	0	21,958	0	21,958	O	0	0	0	21,958	0	0	0	0	0	21,958
0	78	SEWER REPLC - 2017 PROGRAM	CW	S2	03	4,121	1,257	0	0	0	5,378	0	5,378	O	0	433	0	4,945	0	0	0	0	0	5,378
0	79	SEWER REPLC - 2018 PROGRAM	CW	S4	03	4,176	3,798	1,019	0	0	8,993	0	8,993	0	0	724	0	8,269	0	0	0	0	0	8,993
0	90	2012 SEWER REPLC-2018 SC	CW	S3	03	-84	320	0	0	0	236	0	236	O	0	0	0	236	0	0	0	0	0	236
0	91	2013 SEWER REPLC-2018 SC	CW	S3	03	0	10	0	0	0	10	0	10	O	0	1	0	9	0	0	0	0	0	10
0	92	SEWER REPLC - 2014 PROGRAM-2018 SC	CW	S3	03	-333	28	0	0	0	-305	0	-305	O	0	-25	0	-280	0	0	0	0	0	-305
0	93	SEWER REPLC - 2015 PROGRAM-2018 SC	CW	S3	03	-687	315	0	0	0	-372	0	-372	O	0	-30	0	-342	0	0	0	0	0	-372
0	94	SEWER REPLC - 2016 PROGRAM-2018 SC	CW	S3	03	-4,756	3,694	0	0	0	-1,062	0	-1,062	O	0	-86	0	-976	0	0	0	0	0	-1,062
0	95	FORCEMAIN REPLACEMENT - 2016-2018 SC	B CW	S3	03	-6,660	-3,566	10,489	22	0	285	0	285	0	0	0	0	285	0	0	0	0	0	285

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Appendix 4: 2018 Cash Flow and Future Year Commitments

					ĺ		Curre	ent and Fu	uture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	ritySub	ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	96	SEWER REPLC - 2017 PROGRAM-2018 SC	CW	S3	03	-2,047	-536	60	0	0	-2,523	0	-2,523	С	0	-203	0	-2,320	0	0	0	0	0	-2,523
0	97	SEWER REPLACEMENT - METROLINX - 2018 SC	CW	S3	03	-153	-748	50	0	800	-51	0	-51	С	0	0	0	-51	0	0	0	0	0	-51
0	99	EBF REPORT - 2018 SC	CW	S3	04	1,000	1,624	0	0	0	2,624	0	2,624	С	0	1,716	0	908	0	0	0	0	0	2,624
0	100	CSP RENEWAL	CW	S4	03	1,305	1,427	2,820	129	30	5,711	0	5,711	С	0	459	0	5,252	0	0	0	0	0	5,711
		Sub-total				18,017	20,484	16,379	2,092	830	57,802	0	57,802	0	0	4,936	0	52,866	0	0	0	0	0	57,802
WAS	906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	3	0	0	0	0	3	0	3	С	0	0	0	3	0	0	0	0	0	3
0	43	MEDIATION AGREEMENT IMPLEMENTATION - 2018 SC	CW	S3	04	1	0	0	0	0	1	0	1	С	0	0	0	1	0	0	0	0	0	1
0	44	DEWATERING EQUIPMENT UPGRADES 2018 SC	- CW	S3	03	0	100	0	0	0	100	0	100	C	0	8	0	92	0	0	0	0	0	100
		Sub-total				4	100	0	0	0	104	0	104	0	0	8	0	96	0	0	0	0	0	104
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,167	1,015	1,057	1,152	35	5,426	0	5,426	С	0	0	0	5,426	0	0	0	0	0	5,426
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	416	42	5	0	0	463	0	463	С	0	37	0	426	0	0	0	0	0	463
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	200	800	500	0	0	1,500	0	1,500	С	0	120	0	1,380	0	0	0	0	0	1,500
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	120	0	0	0	0	120	0	120	С	0	0	0	120	0	0	0	0	0	120
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	6,677	5,000	5,500	0	0	17,177	0	17,177	С	0	0	0	17,177	0	0	0	0	0	17,177
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	835	4,800	0	0	0	5,635	0	5,635	С	0	0	0	5,635	0	0	0	0	0	5,635
0	32	CEPA COMPLIANCE - CL NOTICE - HCTF	cw	S2	02	1,522	4,000	1,300	550	50	7,422	0	7,422	С	0	0	0	7,422	0	0	0	0	0	7,422
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	118	120	46	15	14	313	0	313	С	0	0	0	313	0	0	0	0	0	313
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2	03	100	100	0	0	0	200	0	200	С	0	0	0	200	0	0	0	0	0	200
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	3,459	2,979	1,995	900	0	9,333	0	9,333	С	0	0	0	9,333	0	0	0	0	0	9,333
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S2	04	14,000	14,000	12,900	12,100	0	53,000	0	53,000	С	0	0	0	53,000	0	0	0	0	0	53,000
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	2,940	8,700	3,700	3,100	4,100	22,540	26,380	48,920	С	0	0	0	48,920	0	0	0	0	0	48,920
0	123	COMMUNICATION SYSTEM	CW	S2	04	233	475	1,500	1,250	50	3,508	0	3,508	C	0	0	0	3,508	0	0	0	0	0	3,508

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						Curre	ent and Fu	iture Year	Cash Flov	w Commitm	nents			Cui	rent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	oject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		ebt - verable	Total Financing
WAS90698	1 HIGHLAND CREEK WWTP UPGRADES																						
0 139	PROCESS & FACILITY UPGRADE-2018 S	c cw	S3	04	-913	1,369	550	498	1,565	3,069	85	3,154	0	0	0	0	3,154	0	0	0	0	0	3,154
0 140	BIOSOLIDS TREATMENT UPGRADES -2018 SC	CW	S3	03	482	198	26	0	0	706	0	706	0	0	58	0	648	0	0	0	0	0	706
0 141	DIGESTER GAS SYSTEM UPGRADES-2018 SC	CW	S3	03	98	0	-18	0	0	80	0	80	0	0	0	0	80	0	0	0	0	0	80
0 142	LIQUID TRAIN - ENGINEERING-2018 SC	CW	S3	03	-1,015	-4,450	1,700	2,000	-1,460	-3,225	3,207	-18	0	0	0	0	-18	0	0	0	0	0	-18
0 143	LIQUID TRAIN REPAIRS - PHASE 1-2018 SC	CW	S3	03	-1,928	32,261	33,045	18,100	10,000	91,478	0	91,478	0	0	0	0	91,478	0	0	0	0	0	91,478
0 144	TRANSFORMERS AND SWITCHGEAR-2018 SC	CW	S3	05	-190	-610	300	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 145	AERATION SYSTEM & ASSOCIATED BLDG UPGRADES-2018 SC	CW	S3	04	-14,000	-14,000	-12,900	-12,100	0	-53,000	0	-53,000	0	0	0	0	-53,000	0	0	0	0	0	-53,000
0 146	DIGESTER CLEANING, REHAB IMPROVEMENTS #4-7-2018 SC	CW	S3	03	-24	219	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195
0 147	PROCESS IMPROVEMENTS (ROADMAP FOR RCM) - 2018 SC	CW	S3	03	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0 148	MECH & ELECTRICAL UPGRADE ENGINEERING - 2018 SC	CW	S3	03	-91	60	0	0	0	-31	0	-31	0	0	0	0	-31	0	0	0	0	0	-31
0 149	CEPA COMPLIANCE - CL NOTICE - HCTP 2018 SC	- CW	S3	02	-622	900	7,600	7,982	0	15,860	0	15,860	0	0	0	0	15,860	0	0	0	0	0	15,860
0 150	ELECTRICAL UPGRADES - ECAR - 2018 SC	CW	S3	03	-440	692	0	0	0	252	0	252	0	0	0	0	252	0	0	0	0	0	252
0 151	COMMUNICATION SYSTEM - 2018 SC	CW	S3	04	42	-275	750	970	-30	1,457	10	1,467	0	0	0	0	1,467	0	0	0	0	0	1,467
	Sub-total				14,086	58,295	59,556	37,017	14,324	183,278	29,682	212,960	0	0	215	0	212,745	0	0	0	0	0	212,960
WAS90698	HUMBER WWTP UPGRADES			ĺ																			
0 2	CHLORINE FACILITY UPGRADE	CW	S2	01	643	0	0	0	0	643	0	643	0	0	0	0	643	0	0	0	0	0	643
0 6	NEW SUBSTATION	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	5
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,677	2,710	23	23	0	5,433	0	5,433	0	0	0	0	5,433	0	0	0	0	0	5,433
0 29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	500	605	500	443	20	2,068	0	2,068	o	0	0	0	2,068	0	0	0	0	0	2,068
0 52	HVAC UPGRADES	CW	S2	03	8,016	2,150	17	17	0	10,200	0	10,200	0	0	0	0	10,200	0	0	0	0	0	10,200
0 81	BLOWER REPLACEMENT	CW	S2	03	250	100	200	750	4,700	6,000	12,650	18,650	0	0	0	0	18,650	0	0	0	0	0	18,650
0 82	DIGESTERS CLEANING REHAB	CW	S4	03	550	1,400	1,500	1,500	1,550	6,500	0	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500
0 95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	1,800	4,500	2,700	50	50	9,100	0	9,100	0	0	0	0	9,100	0	0	0	0	0	9,100
0 99	WET WEATHER FLOW	CW	S2	04	2,100	1,500	1,000	0	0	4,600	0	4,600	0	0	0	0	4,600	0	0	0	0	0	4,600

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Sub- Project No. Project PrioritySubProj No. Sub-p WAS906982 HUMBER WWTP 0 107 MESI UPGRADES	roject Name UPGRADES	Ward CW	Stat. (Cat.	2018	2010				Total						-		Capital			Debt -	\cdot T	
	3	CW				2019	2020	2021	2022		Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal [Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recovera Debt		Total Financing
0 107 MESI UPGRADES		CW																					
	ADES ENGINEERING		S2	03	860	500	500	500	0	2,360	0	2,360	0	0	0	0	2,360	0	0	0	0	0	2,360
0 108 BUILDING UPGR.		CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0 114 FIELD OFFICE		CW	S2	03	471	0	0	0	0	471	0	471	0	0	0	0	471	0	0	0	0	0	471
0 115 ADMIN BUILDING CONSTRUCTION		CW	S4	04	500	5,000	6,500	6,000	4,000	22,000	3,000	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000
0 116 SERVICE REHAB	AND UPGRADES	CW	S2	03	1,000	500	8,250	8,250	8,000	26,000	0	26,000	0	0	0	0	26,000	0	0	0	0	0	26,000
0 117 BLOWER REPLA	CEMENT-2018 SC	CW	S3	03	-250	-100	-200	-750	-4,600	-5,900	100	-5,800	0	0	0	0	-5,800	0	0	0	0	0	-5,800
0 118 WET WEATHER	FLOW-2018 SC	CW	S3	04	-1,700	-1,000	-400	2,500	4,750	4,150	4,500	8,650	0	0	0	0	8,650	0	0	0	0	0	8,650
SC	3 AND UPGRADES-2018	CW		03	-1,000	100	-7,750	-5,750	-3,250	-17,650	4,500	-13,150	0		0	0	,	0	0		0	0	-13,150
RECOMM - 2018		CW	S3	01	-256	-48	0	0	0	-304	0	-304	0	0	0	0	-304	0	0	0	0	0	-304
ENGINEERING -				04	117	162	300	11	407	997	0	997	0		0	0	997	0	0	0	0	0	997
0 122 REPLACEMENT (BURNERS - 2018	SC	CW		03	-550	3,400	2,800	2,720	-10	8,360	0	8,360	0	0	0	0	8,360	0	0	0	0	0	8,360
2018 SC	ADES ENGINEERING -	CW		03	-100	0	0	0	0	-100	0	-100	0		0	0	-100	0	0	0	0	0	-100
	LITY UPGRADE - 2018 SO			01	-638	718	0	0	0	80	0	80	0		0	0	80	0	0	0	0	0	80
0 125 NEW SUBSTATIO		CW		03	7	20	0	0	0	27	0	27	0			0	27	0	0	0	0	0	27
0 126 HVAC UPGRADE				03	-2,106	1,610	2,305	0	0	1,809	0	1,809	0		0	0	1,809	0	0	0	0	0	1,809
0 127 MESI UPGRADES		CW		03	-360	0	0	0	500	140	0	140	0		0	0	140	0	0		0	0	140
0 128 FIELD OFFICE - 2 Sub-t		CW	53	03	191	23,827	18,245	16,264	16,117	191 87,280	24,750	191	0			0	191	0	0		0	0	191
WAS906994 HIGHLAND CREE		AS HA			12,021	23,021	10,245	10,204	10,117	07,200	24,730	112,030	0	-	-		112,030					0	112,030
0 1 HIGHLAND CREE		CW	S2	04	2,557	2,500	2,500	2,200	2,200	11,957	3,400	15,357	0	0	1,236	0	14,121	0	0	0	0	0	15,357
0 3 WAS THICKENIN		CW	S2	03	504	0	0	0	0	504	0	504	0	0	41	0	463	0	0	0	0	0	504
0 8 HIGHLAND CREE IMPLEMENTATIO		CW	S4	04	10	70	3,000	25,000	25,000	53,080	53,920	107,000	0	0	8,611	0	98,389	0	0	0	0	0	107,000
0 19 HIGHLAND CREE IMPLEMENTATIO		CW	S3	04	-57	0	500	0	-200	243	3,050	3,293	0	0	265	0	3,028	0	0	0	0	0	3,293

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							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	tments l	Financed	Ву		
Sub-		<u>iject No. Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds		Other 1	Other2	Reco	ebt - overable	Total Financing
WAS	906994	HIGHLAND CREEK WWTP - SOLIDS & G	SAS HA																					
0	20	WAS THICKENING - CONSTR-2018 SC	CW	S3	03	-9	0	0	0	0	-9	0	-9	С	0	-1	0	-8	0	C	0	0	0	-9
		Sub-total				3,005	2,570	6,000	27,200	27,000	65,775	60,370	126,145	0	0	10,152	0	115,993	0	C	0	0	0	126,145
WAS	907038	Land Acquisition for Source Water Protect																						
0	25	TRCA - SCARBOROUGH WATERFRONT WEST EA	cw	S2	04	1,200	350	0	0	0	1,550	0	1,550	C	0	124	0	1,426	0	C	0	0	0	1,550
0	29	TRCA - CRITICAL EROSION SITES	CW	S3	04	8,000	0	0	0	0	8,000	0	8,000	С	0	644	0	7,356	0	(0	0	0	8,000
0	30	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2018 SC	cw	S3	04	800	0	0	0	0	800	0	800	С	0	64	0	736	0	C	0	0	0	800
0	31	TRCA - SCARBOROUGH WATERFRONT WEST EA - 2018 SC	CW	S3	04	-350	450	0	0	0	100	0	100	С	0	8	0	92	0	C	0	0	0	100
		Sub-total				9,650	800	0	0	0	10,450	0	10,450	0	0	840	0	9,610	0	C	0	0	0	10,450
WAS	907097	ASHBRIDGES BAY WWTP - BUILDING S	ERVIC																					
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	100	100	0	0	300	0	300	C	0	0	0	300	0	C	0	0	0	300
0	19	BIO GAS UTILIZATION	CW	S2	04	1,200	1,000	2,000	2,000	50	6,250	50	6,300	С	0	0	0	6,300	0	C	0	0	0	6,300
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	1,970	1,970	165	210	1,045	5,360	10	5,370	С	0	0	0	5,370	0	C	0	0	0	5,370
0	64	GROVE LANDSCAPING - PHASE 1	CW	S2	04	2,256	0	0	0	0	2,256	0	2,256	С	0	0	0	2,256	0	(0	0	0	2,256
0	65	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2018 SC	CW	S3	04	404	2,700	5,309	-187	-1,045	7,181	-10	7,171	C	0	0	0	7,171	0	C	0	0	0	7,171
0	66	GROVE LANDSCAPING - PHASE 1-2018 SC	CW	S3	04	1,486	7	7	0	0	1,500	0	1,500	С	0	0	0	1,500	0	C	0	0	0	1,500
0	67	BIO GAS UTILIZATION - 2018 SC	CW	S3	04	-1,000	-200	-1,000	-1,000	1,950	-1,250	3,100	1,850	С	0	0	0	1,850	0	C	0	0	0	1,850
		Sub-total				6,416	5,577	6,581	1,023	2,000	21,597	3,150	24,747	0	0	0	0	24,747	0	(0	0	0	24,747
WAS	907098	ASHBRIDGES BAY WWTP - EFFLUENT	SYSTE																					
0	1	DISINFECTION ENGINEERING	CW	S2	02	4,456	2,497	1,607	75	75	8,710	0	8,710	С	0	700	0	8,010	0	C	0	0	0	8,710
0	2	OUTFALL CONSTRUCTION	CW	S4	02	5,000	30,000	52,000	57,000	62,000	206,000	121,000	327,000	С	0	26,316	0	300,684	0	C	0	0	0	327,000
0	13	OUTFALL ASSESSMENT	CW	S2	02	5	0	0	0	0	5	0	5	С	0	0	0	5	0	C	0	0	0	5
0	14	OUTFALL ENGINEERING	CW	S2	02	5,874	4,380	3,400	3,400	2,500	19,554	7,335	26,889	С	0	2,163	0	24,726	0	C	0	0	0	26,889
0	15	DISINFECTION SYSTEM CONSTRUCTION	ON CW	S2	02	75,080	90,000	64,900	0	0	229,980	0	229,980	С	0	18,508	0	211,472	0	C	0	0	0	229,980
0	31	OUTFALL - SITE PREP	CW	S2	02	450	0	0	0	0	450	0	450	С	0	36	0	414	0	C	0	0	0	450
0	33	DISINFECTION ENGINEERING-2018 SC	CW	S3	02	-3,656	2,403	-57	1,000	417	107	133	240	C	0	21	0	219	0	(0	0	0	240

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					[Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments I	inanced	Ву		
Sub Pric		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
WAS	907098	ASHBRIDGES BAY WWTP - EFFLUENT SY	<u>YSTE</u>																					
0	34	DISINFECTION SYSTEM CONSTRUCTION-2018 SC	CW	S3	02	-24,945	-19,865	5,235	50,000	41,000	51,425	0	51,425	(0	4,139	0	47,286	0	C	0	0	0	51,425
0	35	OUTFALL ENGINEERING-2018 SC	CW	S3	02	-3,449	1,350	2,463	0	0	364	184	548	(0	44	0	504	0	C	0	0	0	548
0	36	OUTFALL ASSESSMENT - 2018 SC	CW	S3	02	0	57	0	0	0	57	0	57	(0	5	0	52	0	C	0	0	0	57
		Sub-total			Ī	58,815	110,822	129,548	111,475	105,992	516,652	128,652	645,304	C	0	51,932	0	593,372	0	C	0	0	0	645,304
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID TREAT	TME1		•																			
0	1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	540	0	0	0	0	540	0	540	(0	43	0	497	0	C	0	0	0	540
0	3	P BLDG HEADWORKS UPGRADE	CW	S2	03	7,546	17,074	0	0	0	24,620	0	24,620	(0	1,981	0	22,639	0	C	0	0	0	24,620
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	3,940	0	0	0	0	3,940	0	3,940	(0	0	0	3,940	0	C	0	0	0	3,940
0	10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	6,689	7,235	4,710	5,979	2,705	27,318	16,679	43,997	(0	0	0	43,997	0	C	0	0	0	43,997
0	12	WORK AREA 1 REHAB	CW	S2	03	10	0	0	0	0	10	0	10	(0	0	0	10	0	C	0	0	0	10
0	39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	3,350	15,000	26,358	47,000	25,025	116,733	262,850	379,583	(0	0	0	379,583	0	C	0	0	0	379,583
0	77	FINE BUBBLE AERATION - ENGINEERING	CW	S2	03	1,500	3,000	3,000	3,000	3,000	13,500	4,650	18,150	(0	1,464	0	16,686	0	C	0	0	0	18,150
0	80	INTEGRATED PUMPING STATION (IPS) - CONST-2018 SC	CW	S3	03	5,450	2,700	192	0	0	8,342	0	8,342	(0	0	0	8,342	0	C	0	0	0	8,342
0	81	FINE BUBBLE AERATION - ENGINEERING-2018 SC	CW	S3	03	-1,100	-2,850	-3,000	-3,000	-3,000	-12,950	5,850	-7,100	(0	-573	0	-6,527	0	C	0	0	0	-7,100
0	82	FINE BUBBLE AERATION - TANK #2-2018 SC	CW	S3	03	-410	316	0	0	0	-94	0	-94	(0	-8	0	-86	0	C	0	0	0	-94
0	83	P BLDG HEADWORKS UPGRADE-2018 SC	CW	S3	03	9,479	-11,909	0	0	0	-2,430	0	-2,430	(0	-195	0	-2,235	0	C	0	0	0	-2,430
0	85	INTEGRATED PUMPING STATION (IPS) - ENG - 2018 SC	CW	S3	03	511	1,041	53	-156	0	1,449	27	1,476	(0	0	0	1,476	0	C	0	0	0	1,476
0	86	M & T PUMPING STATION CRITICAL REPAIRS - 2018 SC	CW	S3	03	-440	1,360	0	0	0	920	0	920	(0	0	0	920	0	C	0	0	0	920
0	87	Primary and Final Tank Upgrades	CW	S4	03	42	0	0	0	0	42	0	42	(0	3	0	39	0	C	0	0	0	42
0	88	WORK AREA 1 REHAB - 2018 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	(0	0	0	-10	0	C	0	0	0	-10
		Sub-total			Ī	37,097	32,967	31,313	52,823	27,730	181,930	290,056	471,986	C	0	2,715	0	469,271	0	C	0	0	0	471,986
WAS	907100	ASHBRIDGES BAY WWTP - SOLIDS & GA	S HA		İ																			
0	3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,005	2,000	2,000	2,298	400	9,703	304	10,007	(0	805	0	9,202	0	C	0	0	0	10,007
0	4	DIGESTERS 9-12 REFURBISH	CW	S2	03	3,373	15,010	9,010	6,481	10	33,884	80	33,964	(0	2,733	0	31,231	0	C	0	0	0	33,964

CITY OF TORONTO

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

							Curre	nt and Fu	ture Year	Cash Flov	v Commitn	nents			Curi	ent and F	uture Year	Cash Flo	w Commi	itments	Financed	Ву		
Sub-			Ward	Stat	Cat	2018	2019	2020	2021	2022	Total	Total 2023-2027	Total 2018-2027	Provincial Grants and	Federal D	evelopment Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
-		HBRIDGES BAY WWTP - SOLIDS & GA		olal.	Cat.	2010	2010		LULI	LULL	2010-2022	2020 2027	2010-2021	Subsidies	Oubbluy					Other 1	Other	Dobt		rinancing
0	8 BIG	OSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	1	0 0	0	0	800
0		STE ACTIVATED SLUDGE UPGRADE INSTRUCTION	- CW	S2	03	20,000	25,000	32,000	30,000	27,000	134,000	15,000	149,000	0	0	11,991	0	137,009	0	(0 0	0	0	149,000
0		LLETIZER TRUCK LOADING FACILITY GRADES	CW	S2	03	937	1,290	0	0	0	2,227	0	2,227	0	0	0	0	2,227	0	(0 0	0	0	2,227
0	49 DI	GESTERS 9-12 REFURBISH-2018 SC	CW	S3	03	3,977	968	1,757	4	2	6,708	0	6,708	0	0	541	0	6,167	0	(0 0	0	0	6,708
0		STE ACTIVATED SLUDGE UPGRADE G-2018 SC	- CW	S3	03	-1,073	500	500	202	1,600	1,729	500	2,229	0	0	178	0	2,051	0	(0 0	0	0	2,229
0		STE ACTIVATED SLUDGE UPGRADE NST-2018 SC	- CW	S3	03	-14,677	10,000	3,000	5,000	3,000	6,323	5,000	11,323	0	0	912	0	10,411	0	(0 0	0	0	11,323
0		LLETIZER TRUCK LOADING FACILITY GRADES-2018 SC	CW	S3	03	-347	-542	695	820	55	681	55	736	0	0	0	0	736	0	(0 0	0	0	736
0		OSOLIDS PELLETIZER RETROFIT - 18 SC	CW	S3	03	0	0	400	400	400	1,200	0	1,200	0	0	0	0	1,200	0		0 0	0	0	1,200
		Sub-total				15,595	54,626	49,362	45,205	32,467	197,255	20,939	218,194	0	0	17,160	0	201,034	0	(0 0	0	0	218,194
WAS	907101 AS	HBRIDGES BAY WWTP - O&M UPGRA	<u>DES</u>		Ī																			
0	5 BC	ILER #4 DESIGN	CW	S2	03	11	6	0	0	0	17	0	17	0	0	0	0	17	0	(0 0	0	0	17
0	6 ME	SI UPGRADES	CW	S2	03	3,432	3,167	0	0	0	6,599	0	6,599	0	0	0	0	6,599	0	(0 0	0	0	6,599
0	7 MI	SC MECH REHAB	CW	S2	03	6,256	0	0	0	0	6,256	0	6,256	0	0	0	0	6,256	0	(0 0	0	0	6,256
0	35 BC	ILER #4 DESIGN - 2018 SC	CW	S3	03	0	-6	0	0	0	-6	0	-6	0	0	0	0	-6	0	(0 0	0	0	-6
0	36 MI	SC MECH REHAB - 2018 SC	CW	S3	03	-1,856	2,200	0	0	0	344	0	344	0	0	0	0	344	0	(0 0	0	0	344
0	37 ME	SI UPGRADES - 2018 SC	CW	S3	03	-563	-205	3,000	0	0	2,232	0	2,232	0	0	0	0	2,232	0		0 0	0	0	2,232
		Sub-total				7,280	5,162	3,000	0	0	15,442	0	15,442	0	0	0	0	15,442	0	(0 0	0	o	15,442
WAS	907102 AS	HBRIDGES BAY WWTP - ODOUR CON	TROL		Ī																			
0	6 BIG	OFILTERS UPGRADE & REPLACEMEN	T CW	S2	03	5,434	100	0	0	0	5,534	0	5,534	0	0	445	0	5,089	0	(0 0	0	0	5,534
0	13 D I	BUILDING TREATMENT & BIOFILTER	CW	S2	03	220	0	0	0	0	220	0	220	0	0	18	0	202	0	(0 0	0	0	220
0		DFILTERS UPGRADE & PLACEMENT-2018 SC	CW	S3	03	-134	1,092	850	72	0	1,880	0	1,880	0	0	152	0	1,728	0	(0 0	0	0	1,880
0		BUILDING TREATMENT & DFILTER-2018 SC	CW	S3	03	-110	493	0	0	0	383	0	383	0	0	31	0	352	0		0 0	0	0	383
		Sub-total			Ī	5,410	1,685	850	72	0	8,017	0	8,017	0	0	646	0	7,371	0	(0 0	0	0	8,017
WAS	907104 HL	MBER WWTP - LIQUID TREATMENT &	HANI		İ																			
0		CONDARY TREATMENT UPGRADES - UTH - ENGINEERING	CW	S2	03	7,576	4,750	4,805	5,193	150	22,474	694	23,168	0	0	1,863	0	21,305	0	(0 0	0	0	23,168

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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: 2018 Cash Flow and Future Year Commitments

wast	cwater	1 Togram																							
							Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
<u>Sub-</u> Priorit	Project		Ward	Stat.	Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverab	e Total Financing	
	•	JMBER WWTP - LIQUID TREATMENT &												Cubbiaico										 	
0 1		CONDARY TREATMENT UPGRADES - DUTH - CONS	CW	S2	03	46,555	28,500	28,500	19,003	15,000	137,558	0	137,558	0	0	11,078	0	126,480	0	C	0		0	0 137,558	
0 2		CONDARY TREATMENT UPGRADES - DUTH - ENG-2018 SC	CW	S3	03	-4,566	-1,450	-1,505	-1,893	3,110	-6,304	5,721	-583	0	0	-45	0	-538	0	C	0		0	0 -583	
0 2		CONDARY TREATMENT UPGRADES OUTH-CONS-2018 SC	CW	S3	03	-23,555	-5,500	-4,500	11,997	-3,000	-24,558	27,290	2,732	0	0	217	0	2,515	0	C	0		0	0 2,732	
		Sub-total				26,010	26,300	27,300	34,300	15,260	129,170	33,705	162,875	0	0	13,113	0	149,762	0	0) 0)	0	0 162,875	
WAS90	07105 HL	JMBER WWTP - O&M UPGRADES			-																				
0 1	1 G/	AS COMPRESSOR SYSTEM UPGRADE	s cw	S2	03	1,050	64	0	0	0	1,114	0	1,114	0	0	0	0	1,114	0	C	0		0	0 1,114	
0 2	2 LIC	QUID STREAM UPGRADES	CW	S2	03	5	0	0	0	0	5	0	5	0	0	0	0	5	0	C	0		0	5	
0 3		AS COMPRESSOR SYSTEM UPGRADE 018 SC	s cw	S3	03	-99	453	0	0	0	354	0	354	0	0	0	0	354	0	C	0		0	0 354	
0 3	34 LIO	QUID STREAM UPGRADES - 2018 SC	CW	S3	03	0	386	0	0	0	386	0	386	0	0	31	0	355	0	C	0		0	0 386	
		Sub-total				956	903	0	0	0	1,859	0	1,859	0	0	31	0	1,828	0	C) 0)	0	0 1,859	
WAS90	07106 HL	JMBER WWTP - ODOUR CONTROL																							
0 1		OOUR CONTROL IMPLEMENTATION - HASE 1	CW	S2	02	3,986	0	0	0	0	3,986	0	3,986	0	0	321	0	3,665	0	C	0		0	0 3,986	
0 1		DOUR CONTROL IMPLEMENTATION - HASE 1-2018 SC	CW	S3	02	-1,004	1,000	0	0	0	-4	0	-4	0	0	-1	0	-3	0	C	0		0	0 -4	
		Sub-total				2,982	1,000	0	0	0	3,982	0	3,982	0	0	320	0	3,662	0	C) 0)	0	0 3,982	
WAS90	07224 SE	WAGE PUMPING STATION UPGRADES	<u>s</u>																						
0 1	1 SF	PS UPGRADES	CW	S2	02	4,768	1,000	0	0	0	5,768	0	5,768	0	0	464	0	5,304	0	C	0		0	5,768	
0 1	18 SF	PS UPGRADES - GROUP 6	CW	S2	02	400	3,394	6,250	5,356	4,390	19,790	3,148	22,938	0	0	1,845	0	21,093	0	C	0		0	0 22,938	
0 2	26 SF	PS UPGRADES - GROUP 7	CW	S4	02	175	375	3,025	3,125	2,600	9,300	5,400	14,700	0	0	1,184	0	13,516	0	C	0		0	0 14,700	
0 3	32 SF	PS UPGRADES - GROUP 6-2018 SC	CW	S3	02	0	497	-1,000	0	0	-503	505	2	0	0	1	0	1	0	C	0		0) 2	
0 3	33 SF	PS UPGRADES - 2018 SC	CW	S3	02	-1,766	500	750	0	0	-516	0	-516	0	0	-41	0	-475	0	C	0		0	0 -516	
0 3	34 FA	CILITY & PROCESS UPGRADES	CW	S4	03	100	400	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	C	0		0	2,000	
0 3	35 SC	COTT ST PS & SIMCOE ST PS	CW	S4	05	100	150	400	3,350	4,265	8,265	1,985	10,250	0	0	825	0	9,425	0		0		0	0 10,250	
		Sub-total				3,777	6,316	9,925	12,331	11,755	44,104	11,038	55,142	0	0	4,278	0	50,864	0	C) 0)	0	0 55,142	
WAS90	07559 DC	ON & WATERFRONT TRUNK CSO																							
0 1		ON & WATERFRONT TRUNK/CSO PKG DESIGN	1 CW	S2	04	5,671	9,054	6,475	6,475	6,475	34,150	1,076	35,226	0	0	2,834	0	32,392	0	C	0		0	0 35,226	

CITY OF TORONTO

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

Sub- Project No. Project Na. Project Na. PrioritySubProj No. Sub-project Na. Sub-project Na. WAS907559 DON & WATERFRONT 0 15 DCW - PHASE 1 - ADD 0 17 DCW - PHASE 1 - ADD 0 18 Don & Waterfront Trunk PHASE 1 0 22 DON & WATERFRONT - DESIGN-2018 SC 0 23 DCW P1 OFFLINE STG SHEPPARD/LESLIE-20 Sub-total WAS907700 NORTH TORONTO W 0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF SC 0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMF SC Sub-total Sub-total	t Name TRUNK CSO OTTIONAL SCOPE STORAGE TANK C/CSO Construction			Cat.	2018	2019	2020	uture Year 2021		w Commitm Total	nents Total	Total	Provincial		rent and Fut			w Commi Capital from	itments F	inanced	Debt - Recovera	blo	
PrioritySubProj No. Sub-project WAS907559 DON & WATERFRONT 0 15 DCW - PHASE 1 - ADD 0 17 DCW - PH1 - OFFLINE SHEPPARD/LESLIE 0 18 Don & Waterfront Trunk PHASE 1 0 22 DON & WATERFRONT - DESIGN-2018 SC 0 23 DCW P1 OFFLINE STG SHEPPARD/LESLIE-20 Sub-total WAS907700 NORTH TORONTO WITERFACE NTT 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF SC 0 13 NTTP - ELECTRICAL U2018 SC 0 14 NTTP - PROCESS IMF SC 0 14 NTTP - PROCESS IMF SC Sub-total WAS908143 Georgetown South City	t Name TRUNK CSO OTTIONAL SCOPE STORAGE TANK C/CSO Construction	CW	S4			2019	2020	2021	0000	Total	Total	Total	Provincial				Posonio					blo	
0 15 DCW - PHASE 1 - ADD 0 17 DCW - PH1 - OFFLINE SHEPPARD/LESLIE 0 18 Don & Waterfront Trunk PHASE 1 0 22 DON & WATERFRONT - DESIGN-2018 SC 0 23 DCW P1 OFFLINE STG SHEPPARD/LESLIE-20 Sub-total WAS907700 NORTH TORONTO W 0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF SC 0 13 NTTP - ELECTRICAL U 2018 SC 14 NTTP - PROCESS IMF SC Sub-total Sub-total	STORAGE TANK	CW		04	6,800				2022	2018-2022	2023-2027	2018-2027	Grants and Subsidies	Subsidy	Development Charges F	Reserves	Funds		Other 1	Other2			Total Financing
0 17 DCW - PH1 - OFFLINE SHEPPARD/LESLIE 0 18 Don & Waterfront Trunk PHASE 1 0 22 DON & WATERFRONT - DESIGN-2018 SC 0 23 DCW P1 OFFLINE STC SHEPPARD/LESLIE-20 Sub-total WAS907700 NORTH TORONTO W 0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMP SC 0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMP SC Sub-total Sub-total	STORAGE TANK	CW		04	6,800																		
SHEPPARD/LESLIE	x/CSO Construction		S2	- 1		2,850	0	0	0	9,650	0	9,650	0	0	776	0	8,874	0	0	0	0	0	9,650
PHASE 1 0 22 DON & WATERFRONT - DESIGN-2018 SC 0 23 DCW P1 OFFLINE STC SHEPPARD/LESLIE-20 0 20 NORTH TORONTO W 0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMP 0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMP SC Sub-total WAS908143 Georgetown South City		- CW		04	500	700	10,400	2,700	50	14,350	50	14,400	0	0	1,158	0	13,242	0	0	0	0	0	14,400
- DESIGN-2018 SC 0 23 DCW P1 OFFLINE STO SHEPPARD/LESLIE-20 Sub-total WAS907700 NORTH TORONTO W 0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMP 0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMP SC Sub-total WAS908143 Georgetown South City	TRUNK/CSO PKG		S4	04	17,500	80,000	85,000	85,000	85,000	352,500	147,500	500,000	0	0	34,917	0	465,083	0	0	0	0	0	500,000
SHEPPARD/LESLIE-20		1 CW	S3	04	-1,247	1,379	0	0	0	132	0	132	0	0	11	0	121	0	0	0	0	0	132
WAS907700 NORTH TORONTO W 0 2 NTTP - ELECTRICAL L 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF 0 13 NTTP - ELECTRICAL L 2018 SC 0 14 NTTP - PROCESS IMF SC Sub-total WAS908143 Georgetown South City		CW	S3	04	0	500	775		1	2,636	0	2,636	0	0		0	2,422	0			0	0	2,636
0 2 NTTP - ELECTRICAL U 0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF 0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMF SC Sub-total WAS908143 Georgetown South City					29,224	94,483	102,650	95,535	91,526	413,418	148,626	562,044	0	0	39,910	0	522,134	0	0	0	0	0	562,044
0 10 OPS INTERFACE NTT 0 11 NTTP - PROCESS IMF 0 13 NTTP - ELECTRICAL L 2018 SC 0 14 NTTP - PROCESS IMF SC Sub-total Sub-total	TP UPGRADES																						
0 11 NTTP - PROCESS IMF 0 13 NTTP - ELECTRICAL L 2018 SC 0 14 NTTP - PROCESS IMF SC Sub-total WAS908143 Georgetown South City	JPGRADES - ECAF	≀ CW	S2	01	1,754	2,724	1,198	0	0	5,676	0	5,676	0	0	0	0	5,676	0	0	0	0	0	5,676
0 13 NTTP - ELECTRICAL U 2018 SC 0 14 NTTP - PROCESS IMP SC Sub-total WAS908143 Georgetown South City	P	CW	S2	04	300	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
2018 SC 0 14 NTTP - PROCESS IMP SC Sub-total WAS908143 Georgetown South City	ROVEMENTS	CW	S2	04	4,496	4,000	1,340	50	0	9,886	0	9,886	0	0	0	0	9,886	0	0	0	0	0	9,886
SC Sub-total WAS908143 Georgetown South City	JPGRADES - ECAF	₹- CW	S3	01	-594	-294	793	1,585	31	1,521	0	1,521	0	0	0	0	1,521	0	0	0	0	0	1,521
WAS908143 Georgetown South City	ROVEMENTS - 20	18 CW	S3	04	-3,496	1,250	3,760	0	50	1,564	0	1,564	0	0		0	1,564	0			0	0	1,564
					2,460	7,680	7,091	1,635	81	18,947	0	18,947	0	0	0	0	18,947	0	0	0	0	0	18,947
	Infrastructure Upgr	ades																					
0 1 GEORGETOWN SOUT INFRASTRUCTURE U		CW	S2	05	6,132	5,680	0	0	0	11,812	0	11,812	0	0	36	0	11,776	0	0	0	0	0	11,812
0 8 GEORGETOWN SOUT UPGRADES - 2018 SC		CW	S3	05	-1,017	-565	0	0	0	-1,582	0	-1,582	0	0	788	0	-2,370	0	0	0	0	0	-1,582
Sub-total					5,115	5,115	0	0	0	10,230	0	10,230	0	0	824	0	9,406	0	0	0	0	0	10,230
WASWP003 EMERY CREEK POND																							
0 1 EMERY CREEK POND		CW	S2	04	544	50	50	0	0	644	0	644	0	0	52	0	592	0	0	0	0	0	644
0 16 EMERY CREEK POND	-2018 SC	CW	S3	04	-50	497	44	0	0	491	0	491	0	0	40	0	451	0	0	0	0	0	491
Sub-total					494	547	94	0	0	1,135	0	1,135	0	0	92	0	1,043	0	0	0	0	0	1,135
WASWP050 EQUIPMENT REPLAC	EMENT & REHABII	LITATIC																				+	
0 78 EQUIPMENT REPLAC	FMENT	CW	S2	03	9,032	5,802	4,000	0	0	18,834	0	18,834	0	0	0	0	18,834	0	0	0	0	0	18,834
0 135 EQUIPMENT REPLAC	EIVIEINI		S3	03	-3,327	930	2,100	695	40	438	53	491	0	0	0	0	491	0) 0	0	0	اه	491

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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: 2018 Cash Flow and Future Year Commitments

Wastewater Program

		Curre	ent and Fu	ıture Year	Cash Flo	w Commitr	nents			Cu	rrent and F	uture Yea	r Cash Flo	ow Comn	nitments	Financed	I Ву		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name Ward Stat. Ca	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve	Reserve Funds	Capital from Current	Other 1	Other2		Debt - coverable	Total Financing
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION																			
0 136 ABTP - DIG. TANKS #1-8 MODS. CW S4 03	1	0	0	0	0	1	0	1	C	(0	C	1	() (0 0	0	0	1
Sub-total	5,706	6,732	6,100	695	40	19,273	53	19,326	0	(0	C	19,326	; () (0 (0 0) 0	19,326
Total Program Expenditure	576,796	858,986	854,880	733,754	585,578	3,609,994	1,405,638	5,015,632	0	(185,613	C	4,830,019) () () (0 0) 0	5,015,632

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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: 2018 Cash Flow and Future Year Commitments

Wastewater Program																				
		C	urrent and	Future Ye	ar Cash F	low Comn	nitments an	d Estimate	s		Curren	t and Future	Year Cas	h Flow C	ommitme	nts and	Estimates	s Finan	ced By	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name W	/ard Stat. Cat.	2018	2019	2020	2021	2022	Total 2018-2022	Total 2023-2027	Total 2018-2027	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges F		Reserve Funds	Capital from Current	Other 1	Other2		Debt - ecoverable	Total Financing
Financed By: Development Charges		23,194	35.319	35.605	32,012	23,210	149,340	36,273	185,613	0	0	185,613	0	0	0	() 0)	0 0	185,613
Reserve Funds (Ind."XR" Ref.)		553,602	,	,			, i		4,830,019		0	0	0	1,830,019	0	(0)	0 0	4,830,019
Total Program Financing		576,796	858,986	854,880	733,754	585,578	3,609,994	1,405,638	5,015,632	0	0	185,613	0 4	1,830,019	0	(0	1	0 0	5,015,632

Description S2

S2 Prior Year (With 2018 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow) S4

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

S5 New (On-going or Phased Projects)

Category Code Description

S5

01 Health and Safety C01 Legislated C02

03 State of Good Repair C03

Service Improvement and Enhancement C04

04 Growth Related C05

06 Reserved Category 1 C06 07 Reserved Category 2 C07 2018 Capital Budget Toronto Water

Appendix 5

2018 Recommended Capital Budget with Financing Detail

(Phase 2) 10-Water Program

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



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail **Water Program**

Sub-Project Summary

Project/	Financing		2018	1				Financ	ing				
Priority	Project Project Name		pletion Cash Flow Date	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	AT000004 HORGAN W.T.P. EXPANSION												
0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004 12/3	1/2018 83	0	0	27	0	29	0	0	27		0 (
0	40 PLANT EXPANSION - DESIGN & CONSTR ADMIN-2018	SC 01/01/201812/3	1/2018 -75	0	0	-24	0	-27	0	0	-24		0 (
		Project Sub-tot	al : 8	0	0	3	0	2	0	0	3		0 (
0 WA	AT000014 WATER STORAGE EXPANSION			İ									
0	2 Milliken PS and Reservoir - Engineering	01/01/2007 12/3	1/2018 37	0	0	15	0	8	0	0	14		0 (
Ü		Project Sub-tot		0	0	15	0	8	0				0 (
0 W.A	AT000018 CLARK RESIDUE MGMT. FACILITIES	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
0	24 RESIDUALS RETROFITS AND UPGRADES	01/01/2013 12/3	1/2019 2,841	0	0	0	0	2,841	0	0	0		0 (
0	30 RESIDUALS RETROFITS AND UPGRADES - 2018 SC	01/01/2018 12/3			0	0	0	42	0	0	-		0 (
O	SURESIDUALS RETROLLIS AND SUSTABLES - 2010 SC	Project Sub-tot		-	0	0	0	2,883	0				0 0
		Project Sub-tot	ai. 2,000	l o				2,003					-
	AT000021 WATER EFFICIENCY PROGRAM			_									
0	10 ICI INDOOR WATER AUDIT	01/01/2005 12/3			0	300	0	0	0	0	_		0 (
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2005 12/3			0	225	0	0	0	0	0		0 (
0	12 ANCILLARY COSTS	01/01/2005 12/3			0	70	0	0	0	0	0		0 (
0	94 PUBLIC EDUCATION & PROMOTIONS - 2018 SC	01/01/2018 12/3			0	-150	0	0	0	0			0 (
		Project Sub-tot	al : 445	0	0	445	0	0	0	0	0		0 (
<u>0 W/</u>	AT000363 ENGINEERING STUDIES												
0	2 IMPROVED TREATMENT STUDIES	01/01/2005 12/3	1/2018 183	0	0	0	0	128	0	0	55		0 (
0	18 CONTROLLED SUBSTANCES ID AND ABATEMENT	01/01/2007 12/3	1/2019 100	0	0	0	0	100	0	0	0		0 (
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/2008 12/3	1/2018 147	0	0	0	0	147	0	0	0		0 (
0	38 CORROSION CONTROL	01/01/2011 12/3	1/2018 4	. 0	0	0	0	4	0	0	0		0 (
0	76 ENERGY EFFICIENCY IMPLEMENTATION-2018 SC	01/01/201812/3	1/2018 -117		0	0	0	-117	0	0	0		0 (
0	78 IMPROVED TREATMENT STUDIES - 2018 SC	01/01/201812/3	1/2019 -73	0	0	0	0	-51	0	0	-22		0 (
		Project Sub-tot	al : 244	0	0	0	0	211	0	0	33		0 (
0 W	AT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011 12/3	1/2019 85	0	0	0	0	85	0	0	0		0 (
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/201312/3	1/2020 350	0	0	0	0	350	0	0	0		0 (
0	41 SCADA UPGRADES FOR WWT	01/01/201212/3	1/2022 6,306	0	0	0	0	6,306	0	0	0		0 (
0	67 SCADA UPGRADES FOR WWT - II	01/01/201212/3	1/2020 1,361	0	0	0	0	1,361	0	0	0		0 0
0	85 NETWORK IMPROVEMENTS	01/01/201612/3	1/2018 1,510	0	0	0	0	1,510	0	0	0		0 (
0	86 BLANKET CONTRACT MGMT TOOL	01/01/201612/3	1/2018 150	0	0	0	0	150	0	0	0		0 (
0	87 PCS UPGRADES 2017	01/01/201612/3	1/2019 315	0	0	0	0	315	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/F	inancing		2018					Financ	ing				
Priority	Project Project Name	Start Date Complete	on Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WA	1906334 BUSINESS SYSTEM INFRASTRUCTURE - PW												
0	88 TRUNK RADIO - EQUIPMENT	01/01/2016 12/31/20	1,400	0	0	0	0	1,400	0	0	0		0 0
0	97 SCADA SOFTWARE	01/01/2016 12/31/20	21 276	0	0	0	0	276	0	0	0		0 0
0	98 SCADA UPGRADES FOR WWT-2018 SC	01/01/2018 12/31/20	24 -3,843	0	0	0	0	-3,843	0	0	0		0 0
0	99 SCADA UPGRADES FOR WWT - II -2018 SC	01/01/2018 12/31/20	20 -95	0	0	0	0	-95	0	0	0		0 0
0	100 TRUNK RADIO - EQUIPMENT-2018 SC	01/01/2018 12/31/20	22 -1,400	0	0	0	0	-1,400	0	0	0		0 0
0	101 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2	201:01/01/2018 12/31/20	18 6	0	0	0	0	6	0	0	0		0 0
0	102 RELIABILITY IMPROVEMENT PROGRAM - 2018 SC	01/01/2018 12/31/20	22 -130	0	0	0	0	-130	0	0	0		0 0
0	103 PCS LEGACY ALARM IMPROVEMENT - 2018 SC	01/01/2018 12/31/20	19 -65	0	0	0	0	-65	0	0	0		0 0
0	104 PCS UPGRADES FOR WATER SUPPLY - 2018 SC	01/01/2018 12/31/20	18 17	0	0	0	0	17	0	0	0		0 0
0	105 BLANKET CONTRACT MGMT TOOL - 2018 SC	01/01/2018 12/31/20	18 -150	0	0	0	0	-150	0	0	0		0 0
0	106 NETWORK IMPROVEMENTS - 2018 SC	01/01/2018 12/31/20	19 -341	0	0	0	0	-341	0	0	0		0 0
0	107 PCS UPGRADES 2017 - 2018 SC	01/01/2018 12/31/20	20 -210	0	0	0	0	-210	0	0	0		0 0
0	108 SCADA SOFTWARE - 2018 SC	01/01/2018 12/31/20	21 -96	0	0	0	0	-96	0	0	0		0 0
		Project Sub-total:	5,446	0	0	0	0	5,446	0	0	0		0 0
0 WA	T906340 METERING & METER READING SYS												
0	2 AUTOMATED METER READING SYSTEM	01/01/2005 12/31/20	20 3,450	0	0	0	0	3,450	0	0	0		0 0
0	19 AUTOMATED METER READING SYSTEM-2018 SC	01/01/2018 12/31/20	20 -150	0	0	0	0	-150	0	0	0		0 0
		Project Sub-total:	3,300	0	0	0	0	3,300	0	0	0		0 0
0 WA	T906468 HORGAN TRUNK MAIN EXPANSION	-											
0	52 DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engine	ari01/01/2018 12/31/20	26 400	0	0	152	0	248	0	0	0		0 0
Ü	OZ DOWNOVIEW IMMIN (REELE FO FO DOWNOVIEW) Engine	Project Sub-total:	400	` <u> </u>	0	152	0	248	0				0 0
		i roject Sub-total.	400	<u> </u>		102		240					
_	Г906470 ISLAND W.T.P. R&R												
0	8 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/201312/31/20	,		0	0	0	1,629	0	0	0		0 0
0	11 CHEMICAL & RESIDUALS MANAGEMENT CONST	01/01/2015 12/31/20	-,		0	213	0	3,287	0	0	0		0 0
0	32 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-				0	0	0	-299	0	0	0		0 0
0	33 CHEMICAL & RESIDUALS MANAGEMENT CONST-2018 S	-	ł	<u> </u>	0	-46	0	-704	0		0		0 0
		Project Sub-total:	4,080	0	0	167	0	3,913	0	0	0		0 0
<u>0 WA</u>	T906481 DISTRICT WATERMAINS - NEW												
0	1 NEW WM	01/01/200512/31/20	18 500	0	0	500	0	0	0	0	0		0 0
0	16 NEW WM -2018 SC	01/01/201812/31/20	20 -490	0	0	-490	0	0	0	0	0		0 0
		Project Sub-total:	10	0	0	10	0	0	0	0	0		0 0
0 WA	T906483 PW ENGINEERING												
0	2 CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	6 01/01/2005 12/31/20	20 3,657	0	0	0	0	3,657	0	0	0		0 0
-			1 -/	I				,					

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



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/l	Financing		2018					Financ	ing				
Priority		Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T906483 PW ENGINEERING												
0	5 WATERMAIN ASSET PLANNING	01/01/2007 12/31/2023	2,110	0	0	528	0	747	0	0	835		0 0
0	7 EASEMENT ACQUISITION	01/01/2007 12/31/2018	700	0	0	0	0	700	0	0	0		0 0
0	22 WATER LOSS REDUCTION STRATEGY	01/01/2012 12/31/202	866	0	0	0	0	866	0	0	0		0 0
0	37 ASSET MGMT SYSTEM IMPLEMENTATION	01/01/2016 12/31/2025	1,472	0	0	368	0	1,104	0	0	0		0 0
0	52 JOS UPDATE PHASE II	01/01/2015 12/31/2019	597	0	0	299	0	0	0	0	298		0 0
0	70 CAPITAL PROG & FACILITY ASSET PLANNING-2018 SC	01/01/2018 12/31/2020	-2,197	0	0	0	0	-2,197	0	0	0		0 0
0	71 WATERMAIN ASSET PLANNING-2018 SC	01/01/2018 12/31/2024	-835	0	0	-209	0	-296	0	0	-330		0 0
0	72 EASEMENT ACQUISITION-2018 SC	01/01/2018 12/31/2019	-10	0	0	0	0	-10	0	0	0		0 0
0	73 WATER LOSS REDUCTION STRATEGY-2018 SC	01/01/2018 12/31/2023	-399	0	0	0	0	-399	0	0	0		0 0
0	74 JOS UPDATE PHASE II-2018 SC	01/01/2018 12/31/2019	-297	0	0	-149	0	0	0	0	-148		0 0
0	75 ASSET MGMT SYSTEM IMPLEMENTATION - 2018 SC	01/01/201812/31/2019	-172	0	0	-43	0	-129	0	0	0		0 0
		Project Sub-total:	5,492	0	0	794	0	4,043	0	0	655		0 0
0 WA	T906749 DOWNTOWN W/M ENHANCEMENT												
0	1 JOS - GERRARD ST WM - ENGINEERING	01/01/2006 12/31/2018	10	0	0	2	0	0	0	0	8		0 0
0	47 JOS - GERRARD ST WM - ENGINEERING - 2018 SC	01/01/201812/31/2018	3 -4	0	0	-1	0	0	0	0	-3		0 0
		Project Sub-total:	6	0	0	1	0	0	0	0	5		0 0
0 WA	T906752 TRANSMISSION R&R												
0	49 TRUNK WATERMAIN REHAB	01/01/201312/31/2020	273	0	0	0	0	273	0	0	0		0 0
0	51 CAST IRON TRUNK REPLC - PHASE 2	01/01/2013 12/31/2020			0	0	0	1,276	0	0	0		0 0
0	52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014 12/31/2020	,		0	0	0	1,742	0	0	0		0 0
0	58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	01/01/201612/31/2019			0	0	0	6,110	0	0	0		0 0
0	78 TRUNK WATERMAIN REHAB-2018 SC	01/01/2018 12/31/2022	81	0	0	0	0	81	0	0	0		0 0
0	79 CAST IRON TRUNK REPLC - PHASE 3 - ENG-2018 SC	01/01/2018 12/31/2020	-703	0	0	0	0	-703	0	0	0		0 0
0	80 CAST IRON TRUNK REPLC - PHASE 3 - CONSTR - 2018 S	SC01/01/201812/31/2019	-169	0	0	0	0	-169	0	0	0		0 0
0	81 CAST IRON TRUNK REPLC - PHASE 2 - 2018 SC	01/01/201812/31/2020	-358	0	0	0	0	-358	0	0	0		0 0
		Project Sub-total:	8,252	0	0	0	0	8,252	0	0	0		0 0
0 WA	T906900 TRANSMISSION R&R												
0	1 TRANS FACILITIES REHAB	01/01/2006 12/31/2018	750	0	0	0	0	750	0	0	0		0 0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTEC		8,666		0	0	0	8.666	0	0	0		0 0
0	48 ROSEHILL RESERVOIR	01/01/2015 12/31/202			0	0	0	12,018	0	0	0		0 0
0	49 DOWNSVIEW PS & CONNECTOR EA	01/01/2015 12/31/2018	,		0	5	0	288	0	0	0		0 0
0	50 PARKDALE PS REHABILITATION	01/01/2015 12/31/202	4,354		0	0	0	4,354	0	0	0		0 0
0	51 ROSEHILL PS REHAB	01/01/2015 12/31/202	,		0	0	0	3,455	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/F	inancing		2018					Financ	ing				
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 - Recoverable
<u>0</u> WA	T906900 TRANSMISSION R&R												
0	67 PUMP REPLACEMENTS	01/01/2016 12/31/201	9 1,687	0	0	0	0	1,687	0	0	0		0 0
0	72 RESERVOIR REHAB - PHASE 2 - ENG	01/01/2016 12/31/202	330	0	0	0	0	330	0	0	0		0 0
0	74 PS REHAB - PHASE 2 - ENG	01/01/2016 12/31/202	680	0	0	0	0	680	0	0	0		0 0
0	84 ST CLAIR RES REHAB/WATER QUALITY PROTECTION-20	01 01/01/2018 12/31/202	-866	0	0	0	0	-866	0	0	0		0 0
0	85 ROSEHILL RESERVOIR-2018 SC	01/01/2018 12/31/202	-7,643	0	0	0	0	-7,643	0	0	0		0 0
0	86 DOWNSVIEW PS & CONNECTOR EA-2018 SC	01/01/201812/31/201	9 -143	0	0	52	0	-195	0	0	0		0 0
0	87 PARKDALE PS REHABILITATION-2018 SC	01/01/2018 12/31/202	:0 -33	0	0	0	0	-33	0	0	0		0 0
0	88 PUMP REPLACEMENTS-2018 SC	01/01/2018 12/31/201	9 163	0	0	0	0	163	0	0	0		0 0
0	89 RESERVOIR REHAB - PHASE 2 - ENG-2018 SC	01/01/2018 12/31/202	20	0	0	0	0	20	0	0	0		0 0
0	90 PS REHAB - PHASE 2 - ENG-2018 SC	01/01/2018 12/31/202	65	0	0	0	0	65	0	0	0		0 0
0	94 PS REHAB - PHASE 2 - CONSTRUCTION	01/01/201812/31/202	:1 50	0	0	0	0	50	0	0	0		0 0
0	95 ROSEHILL PS REHAB - 2018 SC	01/01/2018 12/31/202	-565	0	0	0	0	-565	0	0	0		0 0
		Project Sub-total:	23,281	0	0	57	0	23,224	0	0	0		0 0
0 WA	T906902 HARRIS W.T.P. R&R												
0	3 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/201	8 534	. 0	0	0	0	534	0	0	0		0 0
0	21 HVAC REHAB CONSTRUCTION	01/01/2010 12/31/201	9 5,445	0	0	0	0	5,445	0	0	0		0 0
0	29 HARRIS FILTERS REHABILITATION - PILOT	01/01/2015 12/31/201	9 3,948	0	0	0	0	3,948	0	0	0		0 0
0	56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014 12/31/202	8,315	0	0	0	0	8,315	0	0	0		0 0
0	79 EXTERIOR SECURITY LIGHTING UPGRADES	01/01/2015 12/31/202	100	0	0	0	0	100	0	0	0		0 0
0	81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015 12/31/202	4,652	0	0	0	0	4,652	0	0	0		0 0
0	98 HERITAGE MASONRY AND ARCHITECTURAL RESTORAT	IC01/01/2016 12/31/202	200	0	0	0	0	200	0	0	0		0 0
0	99 CONTROL ROOM RELOCATION	01/01/2016 12/31/201	8 525	0	0	0	0	525	0	0	0		0 0
0	100 EMERGENCY STANDBY POWER	01/01/2016 12/31/201	9 1,370	0	0	0	0	1,370	0	0	0		0 0
0	102 PHONE SYSTEM UPGRADE	01/01/2016 12/31/201	9 70	0	0	0	0	70	0	0	0		0 0
0	106 BUILDING ENVELOPE REHAB	01/01/2016 12/31/201	8 10	0	0	0	0	10	0	0	0		0 0
0	112 TRAVELLING SCREENS 3 & 5 UPGRADE	01/01/2017 12/31/201	9 300	0	0	0	0	300	0	0	0		0 0
0	119 ENERGY OPTIMIZATION	01/01/2018 12/31/202	50	0	0	0	0	50	0	0	0		0 0
0	121 FACILITY & PROCESS UPGRADES-2018 SC	01/01/2018 12/31/202	-34	. 0	0	0	0	-34	0	0	0		0 0
0	122 HVAC REHAB CONSTRUCTION-2018 SC	01/01/2018 12/31/202	-4,300	0	0	0	0	-4,300	0	0	0		0 0
0	123 HARRIS FILTERS REHABILITATION - PILOT-2018 SC	01/01/201812/31/202	-1,727	0	0	0	0	-1,727	0	0	0		0 0
0	124 LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2018 SC	01/01/201812/31/201	9 -2,943	0	0	0	0	-2,943	0	0	0		0 0
0	126 CONTROL ROOM RELOCATION-2018 SC	01/01/201812/31/202	:0 -115	0	0	0	0	-115	0	0	0		0 0
0	127 EMERGENCY STANDBY POWER-2018 SC	01/01/201812/31/202	355	0	0	0	0	355	0	0	0		0 0
0	128 REHAB OF SETTLING BASIN ROOF&SLUICE GATES -201	8 01/01/201812/31/201	9 -3,010	0	0	0	0	-3,010	0	0	0		0 0

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



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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/F	Financing		2018					Financ	ing				
Priority		Start Date Comp		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T906902 HARRIS W.T.P. R&R												
0	129 EXTERIOR SECURITY LIGHTING UPGRADES - 2018 SC	01/01/201812/31	2022 -10	0	0	0	0	-100	0	0	0		0 0
0	130 TRAVELLING SCREENS 3 & 5 UPGRADE - 2018 SC	01/01/201812/31	2021 -30	0	0	0	0	-300	0	0	0		0 0
0	131 PHONE SYSTEM UPGRADE - 2018 SC	01/01/201812/31	/2021 -7	0	0	0	0	-70	0	0	0		0 0
		Project Sub-tota	13,27	0	0	0	0	13,275	0	0	0		0 0
<u>0 WA</u>	T906903 FJ HORGAN W.T.P. R&R												
0	5 FACILITY & PROCESS UPGRADES	01/01/2006 12/31	2018 67	1 0	0	0	0	671	0	0	0		0 0
0	8 RAW WATER PUMP UGRADES	01/01/201612/31	2018 2	1 0	0	0	0	21	0	0	0		0 0
0	15 REPLACEMENT OF MCCS	01/01/201312/31	2022 95	4 0	0	0	0	954	0	0	0		0 0
0	31 BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/201612/31	2021 2,24	2 0	0	0	0	2,242	0	0	0		0 0
0	32 ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	G I 01/01/201512/31	2019 57	0	0	0	0	570	0	0	0		0 0
0	34 TREATED WATER PUMP UPGRADES	01/01/2015 12/31	2018 2	0	0	0	0	20	0	0	0		0 0
0	59 FACILITY & PROCESS UPGRADES-2018 SC	01/01/201812/31	2022 1	6 0	0	0	0	16	0	0	0		0 0
0	60 REPLACEMENT OF MCCS-2018 SC	01/01/201812/31	/2022 -8	7 0	0	0	0	-87	0	0	0		0 0
0	61 RAW WATER PUMP UGRADES-2018 SC	01/01/201812/31	2019 40	0	0	0	0	400	0	0	0		0 0
0	62 ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-	20 01/01/2018 12/31	2020 1	0	0	0	0	10	0	0	0		0 0
0	64 BUILDING FIRE, HVAC, LIGHTING UPGRADES-2018 SC	01/01/201812/31	2021 -1,92	2 0	0	0	0	-1,922	0	0	0		0 0
		Project Sub-tota	2,89	0	0	0	0	2,895	0	0	0		0 0
0 WA	T906906 TRUNK WATERMAIN EXPANSION												
0	25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/200912/31	2021 62	5 0	0	300	0	183	0	0	142		0 0
0	66 JOS - WM Scar PS to St. Clair&Midland (CONST)	01/01/201612/31	2020 13,88	0	0	6,649	0	4,078	0	0	3,153		0 0
0	70 JOS WM SCAR PS -ST CLAIR & MIDLAND - ENG -2018 SC	01/01/201812/31	2021 -23	3 0	0	-112	0	-68	0	0	-53		0 0
0	71 JOS WM Scar PS- St. Clair&Midland (CONST)-2018 SC	01/01/201812/31	2021 -7,85	5 0	0	-3,763	0	-2,308	0	0	-1,784		0 0
		Project Sub-tota	6,41	0	0	3,074	0	1,885	0	0	1,458		0 0
<u>0</u> <u>WA</u>	T906914 SWITCH GEAR TRANSFORMER												
0	13 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/201212/31	2018 1,09	4 0	0	0	0	1,094	0	0	0		0 0
0	29 INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	01/01/201812/31	2025 30	0	0	0	0	300	0	0	0		0 0
0	31 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2018 SC	01/01/2018 12/31	2019 -1,08	3 0	0	0	0	-1,083	0	0	0		0 0
		Project Sub-tota	l: 31	0	0	0	0	311	0	0	0		0 0
0 WA	T906917 TRANSMISSION OPERATIONS OPTIMIZER												
0	8 TRANSMISSION OPERATIONS OPTIMIZER	01/01/2014 12/31	′2018 28	2 0	0	0	0	94	0	0	188		0 0
0	13 TRANSMISSION OPERATIONS OPTIMIZER-2018 SC	01/01/2018 12/31	2018	3 0	0	0	0	1	0	0	2		0 0
		Project Sub-tota	l: 28	0	0	0	0	95	0	0	190		0 0
0 WA	T906918 WATER SUSTAINABILITY PROGRAM			Ì									



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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/Finar	ncing		2018					Financ	ing				
Priority Proje	ect Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAT906	918 WATER SUSTAINABILITY PROGRAM												
0	1 WATER SUSTAINABILITY PROGRAM	01/01/201312/31/2020	8,675	0	0	528	0	5,536	0	0	2,611	(0 0
0	12 STANDBY POWER - ROSEHILL	01/01/201512/31/2022	6,116	0	0	367	0	3,914	0	0	1,835	(0 0
0	21 STANDBY POWER - ROSEHILL-2018 SC	01/01/201812/31/2021	-978	0	0	-59	0	-625	0	0	-294	(0 0
0	22 WATER SUSTAINABILITY STANDBY POWER ELLESMER	E2(01/01/201812/31/2020	-2,948	0	0	-180	0	-1,881	0	0	-887	(0 0
		Project Sub-total:	10,865	0	0	656	0	6,944	0	0	3,265	(0 0
0 WAT906	919 RL CLARK W.T.P. R&R												
0	1 FACILITY & PROCESS UPGRADES	01/01/200612/31/2018	200	0	0	0	0	200	0	0	0		0 0
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/200812/31/2022	610	0	0	37	0	573	0	0	0	(0 0
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/201012/31/2020	9,955	0	0	605	0	9,350	0	0	0	(0 0
0	44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/201312/31/2019	257	0	0	0	0	257	0	0	0	(0 0
0	73 PROCESS EQUIPMENT UPGRADE ENGINEERING-2018	SC01/01/201812/31/2020	-220	0	0	-13	0	-207	0	0	0	(0 0
0	74 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-20	18 {01/01/201812/31/2020	-1,920	0	0	-117	0	-1,803	0	0	0		0 0
0	75 EVACUATION AND COMMUNICATION SYSTEMS-2018 S	C 01/01/201812/31/2019	-232	0	0	0	0	-232	0	0	0	(0 0
		Project Sub-total:	8,650	0	0	512	0	8,138	0	0	0	(0 0
0 WAT906	930 DIST W/M REPLACEMENT												
	21 2011 WM REPLC	01/01/2011 12/31/2018	4	0	0	0	0	4	0	0	0	(0 0
	29 DIST W/M REPLC - 2012	01/01/2011 12/31/2018	69	0	0	0	0	69	0	0	0		0 0
0	51 DIST W/M REPLACEMENT - 2014	01/01/201412/31/2018	275	0	0	43	0	232	0	0	0		0 0
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/201412/31/2021	545	0	0	0	0	545	0	0	0	(0 0
0	59 2013 WM REPLC - UPGRADES	01/01/2015 12/31/2018	106	0	0	33	0	73	0	0	0	(0 0
0	63 DIST W/M REPLACEMENT - 2015	01/01/2015 12/31/2018	4,075	0	0	633	0	3,442	0	0	0	(0 0
0	64 WATERMAIN UPGRADES - 2015	01/01/2015 12/31/2018	6	0	0	2	0	4	0	0	0	(0 0
0	73 DIST W/M REPLACEMENT - 2016	01/01/201612/31/2019	5,163	0	0	803	0	4,360	0	0	0	(0 0
0	74 WATERMAIN UPGRADES - 2016	01/01/201612/31/2018	2,863	0	0	891	0	1,972	0	0	0	(0 0
0	83 DIST W/M REPLACEMENT - 2017	01/01/201612/31/2019	27,294	0	0	4,244	0	23,050	0	0	0	(0 0
0	84 WATERMAIN UPGRADES - 2017	01/01/201612/31/2019	4,808	0	0	1,495	0	3,313	0	0	0	(0 0
0	85 DIST W/M REPLACEMENT - 2018	01/01/201812/31/2021	37,555	0	0	5,840	0	31,715	0	0	0	(0 0
0	86 WATERMAIN UPGRADES - 2018	01/01/201812/31/2020	10,349	0	0	3,220	0	7,129	0	0	0	(0 0
0	98 DIST W/M REPLC - 2012-2018 SC	01/01/201812/31/2019	-48	0	0	0	0	-48	0	0	0	(0 0
0 1	00 2013 WM REPLC - UPGRADES-2018 SC	01/01/201812/31/2019	-101	0	0	-31	0	-70	0	0	0	(0 0
0 1	01 DIST W/M REPLACEMENT - 2014-2018 SC	01/01/201812/31/2019	-255	0	0	-40	0	-215	0	0	0	(0 0
0 1	02 WATERMAIN UPGRADES - 2014-2018 SC	01/01/201812/31/2018	1	0	0	0	0	1	0	0	0	(0 0
0 1	03 WATERMAIN REPLACEMENT - METROLINX-2018 SC	01/01/201812/31/2021	-351	0	0	0	0	-351	0	0	0	(0 0
0 1	04 DIST W/M REPLACEMENT - 2015-2018 SC	01/01/201812/31/2019	-2,677	0	0	-416	0	-2,261	0	0	0	(0 0

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



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Project/	Financing		2018					Financ					
Priority	Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 W	AT906930 DIST W/M REPLACEMENT												
0	106 DIST W/M REPLACEMENT - 2016-2018 SC	01/01/2018 12/31/2019	-4,286	0	0	-667	0	-3,619	0	0	0		0 0
0	107 WATERMAIN UPGRADES - 2016-2018 SC	01/01/201812/31/2019	-2,458	0	0	-765	0	-1,693	0	0	0		0 0
0	108 DIST W/M REPLACEMENT - 2017-2018 SC	01/01/201812/31/2020	-15,598	0	0	-2,425	0	-13,173	0	0	0		0 0
0	109 WATERMAIN UPGRADES - 2017-2018 SC	01/01/201812/31/2019	-2,952	0	0	-918	0	-2,034	0	0	0		0 0
		Project Sub-total:	64,387	0	0	11,942	0	52,445	0	0	0		0 0
0 W	AT906932 DIST W/M REHABILITATION												
0	4 HYDRANT & VALVE REPAIR	01/01/2007 12/31/2018	2,516	0	0	0	0	2,516	0	0	0		0 0
0	6 WATERMAIN STRUCTURAL LINING	01/01/2007 12/31/2024	54,868	0	0	0	0	54,868	0	0	0		0 (
0	7 CATHODIC PROTECTION	01/01/2007 12/31/2018	3,033	0	0	0	0	3,033	0	0	0		0
0	30 CUT REPAIR	01/01/2007 12/31/2018	3,300	0	0	0	0	3,300	0	0	0		0
0	55 HYDRANT & VALVE REPAIR-2018 SC	01/01/2018 12/31/2019	-1,536	0	0	0	0	-1,536	0	0	0		0
0	56 CUT REPAIR-2018 SC	01/01/2018 12/31/2019	249	0	0	0	0	249	0	0	0		0
0	57 WATERMAIN STRUCTURAL LINING-2018 SC	01/01/2018 12/31/2024	17,588	0	0	0	0	17,588	0	0	0		0
0	58 CATHODIC PROTECTION-2018 SC	01/01/2018 12/31/2020	336	0	0	0	0	336	0	0	0		0
0	59 PRV INSPECTION & RENEWAL	01/01/201812/31/2020	110	0	0	0	0	110	0	0	0		0
0	60 INFRASTRUCTURE REHAB & UPGRADES - METROLINX	01/01/201812/31/2021	75	0	0	0	0	75	0	0	0		0
		Project Sub-total:	80,539	0	0	0	0	80,539	0	0	0		0 (
0 W	AT906934 DIST WATER SERVICE REPAIR												
0	12 WATER SERVICE REPAIR - LEAD PROGRAM	01/01/2008 12/31/2020	11,541	0	0	0	0	11,541	0	0	0		0
0	19 2010 WSR	01/01/2015 12/31/2018	215	0	0	0	0	215	0	0	0		0
0	32 WSR CUT REPAIR	01/01/201212/31/2018	1,500	0	0	0	0	1,500	0	0	0		0
0	39 2012 WATER SERVICE REPLC - SOGR	01/01/2012 12/31/2018	4	0	0	0	0	4	0	0	0		0
0	41 2013 WSR	01/01/201312/31/2018	111	0	0	0	0	111	0	0	0		0
0	52 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014 12/31/2018	273	0	0	0	0	273	0	0	0		0
0	59 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015 12/31/2018	1,014	0	0	0	0	1,014	0	0	0		0
0	68 2016 WATER SERVICE REPLACEMENT - SOGR	01/01/2016 12/31/2018	5,783	0	0	0	0	5,783	0	0	0		0
0	71 WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/2016 12/31/2020	7,500	0	0	0	0	7,500	0	0	0		0
0	74 REPLACEMENT OF FROZEN SERVICES	01/01/2016 12/31/2018	22	0	0	0	0	22	0	0	0		0
0	75 WSR CUT REPAIRS WITH WM SL	01/01/2016 12/31/2018	1,500	0	0	0	0	1,500	0	0	0		0 (
0	78 2011 WSR	01/01/2016 12/31/2018	15	0	0	0	0	15	0	0	0		0 (
0	84 2017 WATER SERVICE REPLACEMENT - SOGR	01/01/201612/31/2019	11,167	0	0	0	0	11,167	0	0	0		0 (
0	85 2018 WATER SERVICE REPLACEMENT - SOGR	01/01/201812/31/2020	7,000		0	0	0	7,000	0	0	0		0 (
0	93 WATER SERVICE REPAIR - LEAD PROGRAM-2018 SC	01/01/201812/31/2021	-1,159		0	0	0	-1,159	0	0	0		0 0
0	94 2010 WSR-2018 SC	01/01/2018 12/31/2018	-215	0	0	0	0	-215	0	0	0		0 0





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Project/Fir			I	2018					Financ	ing				
Priority Pr	•	Start Date Comp	pletion C ate		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WATS	006934 DIST WATER SERVICE REPAIR													
0	97 WSR CUT REPAIR-2018 SC	01/01/201812/31	1/2019	113	0	0	0	0	113	0	0	0		0 0
0	98 2013 WSR-2018 SC	01/01/201812/31	1/2019	-100	0	0	0	0	-100	0	0	0		0 0
0	99 2014 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/201812/31	1/2019	-260	0	0	0	0	-260	0	0	0		0 0
0	100 2015 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/201812/31	1/2019	-478	0	0	0	0	-478	0	0	0		0 0
0	101 2016 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/201812/31	1/2019	-4,954	0	0	0	0	-4,954	0	0	0		0 0
0	102 WATER SERVICE REPAIR - WM REHAB PROGRAM-2018 S	(01/01/201812/31	1/2021	8,178	0	0	0	0	8,178	0	0	0		0 0
0	103 WSR CUT REPAIRS WITH WM SL-2018 SC	01/01/201812/31	1/2019	113	0	0	0	0	113	0	0	0		0 0
0	104 2017 WATER SERVICE REPLACEMENT - SOGR-2018 SC	01/01/201812/31	1/2019	-1,811	0	0	0	0	-1,811	0	0	0		0 0
0	106 REPLACEMENT OF FROZEN SERVICES	01/01/201612/31	1/2019	1,000	0	0	0	0	1,000	0	0	0		0 0
0	107 REPLACEMENT OF FROZEN SERVICES - 2018 SC	01/01/201812/31	1/2019	-1,000	0	0	0	0	-1,000	0	0	0		0 0
	F	Project Sub-tota	al:	47,072	0	0	0	0	47,072	0	0	0		0 0
0 WATS	006935 NEW SERVICE CONNECTIONS													
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/200812/31	1/2018	5,200	0	0	0	0	5,200	0	0	0		0 0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/201012/31	1/2018	30,000	0	0	0	0	30,000	0	0	0		0 0
0	24 NEW SERVICE CONNECTIONS - SITE SERVICING-2018 Se	C01/01/201812/31	1/2019	-552	0	0	0	0	-552	0	0	0		0 0
0	25 NEW SERVICE CONNECTIONS - CUT REPAIRS-2018 SC	01/01/201812/31	1/2019	177	0	0	0	0	177	0	0	0		0 0
	F	Project Sub-tota	al:	34,825	0	0	0	0	34,825	0	0	0		0 0
0 WATS	006951 ENGINEERING		Ī											
0	2 CONSULTING FEES	01/01/200612/31	1/2026	11,709	0	0	0	0	11,709	0	0	0		0 0
0	63 ROAD RESTORATION	01/01/200612/31	1/2018	2,000	0	0	0	0	2,000	0	0	0		0 0
0	69 LEGAL SERVICES SALARIES	01/01/201812/31	1/2018	414	0	0	0	0	414	0	0	0		0 0
0	70 ECS SALARIES	01/01/201812/31	1/2018	14,592	0	0	0	0	14,592	0	0	0		0 0
0	71 PPFA SALARIES	01/01/201812/31	1/2018	2,416	0	0	0	0	2,416	0	0	0		0 0
0	74 PMMD SALARIES	01/01/201812/31	1/2018	310	0	0	0	0	310	0	0	0		0 0
0	75 ROAD RESTORATION-2018 SC	01/01/201812/31	1/2020	669	0	0	0	0	669	0	0	0		0 0
0	76 CONSULTING FEES-2018 SC	01/01/201812/31	1/2026	6,982	0	0	0	0	6,982	0	0	0		0 0
0	77 TW SALARIES	01/01/201812/31	1/2018	1,930	0	0	0	0	1,930	0	0	0		0 0
	F	Project Sub-tota	al:	41,022	0	0	0	0	41,022	0	0	0		0 0
0 WATS	006977 ISLAND W.T.P. R&R		Ī											
0	1 FACILITY & PROCESS UPGRADES	01/01/2006 12/31	1/2018	458	0	0	0	0	458	0	0	0		0 0
0	12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011 12/31	1/2019	3,916	0	0	0	0	3,916	0	0	0		0 0
0	25 ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009 12/31	1/2018	56	0	0	3	0	53	0	0	0		0 0
0	32 TRAVELLING SCREEN REPLACEMENT	01/01/2015 12/31	1/2020	205	0	0	0	0	205	0	0	0		0 0



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Project/	Financing		,	2018	-				Financ					
Priority	Project Name	Start Date C	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 W	AT906977 ISLAND W.T.P. R&R													
0	50 AMMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/20141:	2/31/2020	3,559	0	0	0	0	3,559	0	0	0		0 0
0	51 CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	01/01/20141:	2/31/2018	34	0	0	0	0	34	0	0	0		0 (
0	69 Generators` DR3 Program	01/01/20151	2/31/2020	80	0	0	0	0	80	0	0	0		0 (
0	70 PLANTWIDE HVAC UPGRADES	01/01/20151	2/31/2020	1,668	0	0	0	0	1,668	0	0	0		0 (
0	83 RAW WATER INTAKE CLEANING	01/01/20161	2/31/2018	1,228	0	0	0	0	1,228	0	0	0		0
0	101 FACILITY & PROCESS UPGRADES-2018 SC	01/01/20181	2/31/2022	-76	0	0	0	0	-76	0	0	0		0
0	102 ISLAND FILTER AIR SCOUR SYSTEM-2018 SC	01/01/20181	2/31/2018	-56	0	0	-3	0	-53	0	0	0		0
0	103 FACILITY UPGRADE - FORMER MARINE YARD-2018 SC	01/01/20181:	2/31/2020	241	0	0	0	0	241	0	0	0		0
0	104 AMMONIA AND FLUORIDE SYSTEM UPGRADES-2018 SC	01/01/20181	2/31/2021	-2,103	0	0	0	0	-2,103	0	0	0		0
0	105 TRAVELLING SCREEN REPLACEMENT-2018 SC	01/01/20181	2/31/2020	-100	0	0	0	0	-100	0	0	0		0
0	106 PLANTWIDE HVAC UPGRADES-2018 SC	01/01/20181:	2/31/2020	-138	0	0	0	0	-138	0	0	0		0
0	107 CHEMICAL SYSTEMS' ELECTRICAL FEED DISTR - 2018 SC	01/01/20181:	2/31/2018	-4	0	0	0	0	-4	0	0	0		0
0	108 RAW WATER INTAKE CLEANING - 2018 SC	01/01/20181:	2/31/2019	1,272	0	0	0	0	1,272	0	0	0		0
0	109 Generators` DR3 Program - 2018 SC	01/01/20181:	2/31/2022	-80	0	0	0	0	-80	0	0	0		0
	Pr	oject Sub-t	total:	10,160	0	0	0	0	10,160	0	0	0		0
0 WA	AT907353 LAWRENCE ALLAN REVITALIZATION PLAN		İ											
0		01/01/20131:	2/31/2020	8,682	0	0	8,682	0	0	0	0	0		0 (
0		01/01/20131:	2/31/2019	3,842	0	0	3,842	0	0	0	0	0		0
0	11 LAWRENCE ALLAN REVITALIZATION PLAN INTERNAL-2018	01/01/20181:	2/31/2022	-4,762	0	0	-4,762	0	0	0	0	0		0
0	12 LAWRENCE ALLAN REVITALIZATION PLAN EXTERNAL-201			-3,842	0	0	-3,842	0	0	0	0	0		0
		oject Sub-t		3,920	0	0	3,920	0	0	0	0	0		0
0 W	AT907558 REGENT PARK CAPITAL CONTRIBUTION						· · ·							
0		01/01/20161:	2/31/2024	2,499	0	0	2,499	0	0	0	0	0		0
0	15 REGENT PARK CAPITAL CONTRIBUTION - PH3-5 - 2018 SCI			-1,715	0	0	-1,715	0	0	0	0	0		0
U		oject Sub-t		784	0	0	784	0	0	0	0	0		0 (
		oject Sub-t	otai.	704			704							
	AT907946 BUSINESS IT PROJECTS				_									
0		01/01/20141:		1,580	0	0	0	0	1,580	0	0	0		0 (
	Pr	oject Sub-t	total:	1,580	0	0	0	0	1,580	0	0	0		0
<u>0</u> <u>W/</u>	AT908087 TRUNK WATERMAIN													
0	1 TRANSMISSION SYSTEM AUTOMATION	01/01/20151:	2/31/2022	392	0	0	0	0	392	0	0	0		0 (
0	4 JOS - REVENUE METER REPLACEMENT	01/01/20161:	2/31/2020	4,950	0	0	0	0	2,475	0	0	2,475		0
0	6 3RD PARTY RELOCATIONS (METROLINX)	01/01/20151:	2/31/2021	250	0	0	0	0	250	0	0	0		0
0	13 TRANSMISSION SYSTEM AUTOMATION-2018 SC	01/01/20181:	2/31/2020	283	0	0	0	0	283	0	0	0		0





CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Water Program Sub-Project Summary

Projec	t/Financing			2018					Financ	ing				
Priority	y 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</u> v	/AT908087 TRUNK WATERMAIN													
0	14 3RD PARTY RELOCATIONS (METROLINX) - 2018 SC	01/01/20181	12/31/2021	-200	0	0	0	0	-200	0	0	0	(0 0
0	15 JOS - REVENUE METER REPLACEMENT - 2018 SC	01/01/20181	2/31/2020	-1,609	0	0	0	0	-805	0	0	-804	(0
		Project Sub-	total:	4,066	0	0	0	0	2,395	0	0	1,671	(0 0
<u>0 V</u>	/AT908248 WT&S PLANTWIDE													
0	1 UV DISINFECTION - CONCEPTUAL DESIGN	01/01/20161	12/31/2018	10	0	0	0	0	10	0	0	0	(0 0
0	4 ZEBRA MUSSEL CONTROL - ENG	01/01/20161	2/31/2022	800	0	0	0	0	800	0	0	0	(0
0	6 STANDBY POWER - PHASE 2 - ENG	01/01/20161	12/31/2026	1,282	0	0	77	0	820	0	0	385	(0 0
0	10 UV DISINFECTION - ISLAND WTP - ENGINEERING	01/01/20161	12/31/2024	1,438	0	0	0	0	1,438	0	0	0	(0 0
0	12 SCRUBBER AND TONNER CONNECTION IMPROVEMEN	NTS01/01/20161	12/31/2021	995	0	0	60	0	636	0	0	299	(0 0
0	14 ZEBRA MUSSEL CONTROL - ENG-2018 SC	01/01/20181	12/31/2024	-184	0	0	0	0	-184	0	0	0	(0 0
0	15 STANDBY POWER - PHASE 2 - ENG-2018 SC	01/01/20181	12/31/2026	-1,007	0	0	-60	0	-645	0	0	-302	(0 0
0	16 UV DISINFECTION - ISLAND WTP - ENGINEERING-2018	SC01/01/20181	12/31/2024	-653	0	0	0	0	-653	0	0	0	(0 0
0	17 SCRUBBER&TONNER CONNECTION IMPRO AT WTP-20	01/01/20181	12/31/2023	-395	0	0	-24	0	-252	0	0	-119	(0 0
0	18 SOURCE WATER PROTECTION-LAKE ONTARIO COLLA	BOI01/01/20181	12/31/2020	70	0	0	0	0	70	0	0	0	(0 0
		Project Sub-	total:	2,356	0	0	53	0	2,040	0	0	263	(0 0
					·									
Progr	am Total:			387,293	0	0	22,585	0	357,151	0	0	7,557	(0 0

Status Code Description

S2 S2 Prior Year (With 2018 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow)

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

S5 S5 New (On-going or Phased Projects)

Category Code Description

Health and Safety C01 01 02 Legislated C02

State of Good Repair C03 03

04 Service Improvement and Enhancement C04

05 Growth Related C05 Reserved Category 1 C06

Reserved Category 2 C07

(Phase 2) 11-Wastewater Program

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



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/	Financing		2018					Financ	ing				
-	Project Name	Start Date Completic Date		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves		Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	AS000007 ASHBRIDGES BAY WWTP REHAB												
0	17 STANDBY POWER GENERATION	01/01/2005 12/31/20	8 18	0	0	1	0	17	0	0	0		0 0
0	19 FERROUS UPGRADES	01/01/201312/31/20	9 11,521	0	0	928	0	10,593	0	0	0		0 0
0	30 ELECTRICAL REHAB - ECAP	01/01/2005 12/31/20	9 3,428	0	0	0	0	3,428	0	0	0		0 0
0	41 POLYMER UPGRADE	01/01/201412/31/202	23 6,632	0	0	0	0	6,632	0	0	0		0 0
0	46 REHAB OF GROUNDS & BUILDINGS	01/01/201012/31/20	8 472	0	0	0	0	472	0	0	0		0 0
0	47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2005 12/31/202	1,876	0	0	151	0	1,725	0	0	0		0 0
0	49 PROCESS UPGRADES & ODOUR CONTROL ENGINEERIN	(01/01/200512/31/20	8 153	0	0	12	0	141	0	0	0		0 0
0	189 PROCESS AND EQUIPMENT	01/01/201312/31/202	1,682	0	0	0	0	1,682	0	0	0		0 0
0	190 GROUND AND FACILITIES	01/01/201312/31/202	20 440	0	0	0	0	440	0	0	0		0 0
0	215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/201412/31/202	3,854	. 0	0	0	0	3,854	0	0	0		0 0
0	216 OPERATIONS CENTRE - ENGINEERING	01/01/201612/31/20	8 920	0	0	0	0	920	0	0	0		0 0
0	226 ABTP - PROCESS ROADMAP PHASE 2	01/01/201512/31/202	680	0	0	0	0	680	0	0	0		0 0
0	227 AIR HEADER REHAB	01/01/201512/31/20	8 3,393	0	0	0	0	3,393	0	0	0		0 0
0	229 D BUILDING PHASE 2	01/01/2015 12/31/202	1,010	0	0	0	0	1,010	0	0	0		0 0
0	246 NEW FLEET PURCHASES	01/01/2016 12/31/20	8 25	0	0	0	0	25	0	0	0		0 0
0	247 HEATING AND AIR SYSTEMS ASSESSMENT	01/01/2016 12/31/20	8 470	0	0	0	0	470	0	0	0		0 0
0	264 HVAC CONVERSION Z-BLDG	01/01/2016 12/31/20	9 1,500	0	0	0	0	1,500	0	0	0		0 0
0	285 BLOWER 7-9 OVERHAUL	01/01/2016 12/31/20	8 1,300	0	0	0	0	1,300	0	0	0		0 0
0	287 POLYMER UPGRADE-2018 SC	01/01/2018 12/31/202	-6,282	0	0	0	0	-6,282	0	0	0		0 0
0	288 DIGESTERS CLEANING REHAB TANKS 14, 16, 13-2018 SC	01/01/201812/31/202	-165	0	0	0	0	-165	0	0	0		0 0
0	289 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2	2101/01/2018 12/31/202	20 794	. 0	0	64	0	730	0	0	0		0 0
0	290 PROCESS UPGRADES & ODOUR CONTROL ENG-2018 SC	01/01/201812/31/20	9 -55	0	0	-4	0	-51	0	0	0		0 0
0	291 FERROUS UPGRADES-2018 SC	01/01/2018 12/31/202	20 1,147	0	0	92	0	1,055	0	0	0		0 0
0	292 BLOWER STUDY	01/01/201812/31/20	9 200	0	0	0	0	200	0	0	0		0 0
0	293 HEATING AND AIR SYSTEMS ASSESSMENT - 2018 SC	01/01/201812/31/20	8 -350	0	0	0	0	-350	0	0	0		0 0
0	294 OPERATIONS CENTRE - ENGINEERING - 2018 SC	01/01/201812/31/20	9 -220	0	0	0	0	-220	0	0	0		0 0
0	295 ABTP - PROCESS ROADMAP PHASE 2 - 2018 SC	01/01/201812/31/202	320	0	0	0	0	320	0	0	0		0 0
0	296 REHAB OF GROUNDS & BUILDINGS - 2018 SC	01/01/201812/31/20	8 -442	0	0	0	0	-442	0	0	0		0 0
0	297 STANDBY POWER GENERATION - 2018 SC	01/01/201812/31/20	8 -18	0	0	-1	0	-17	0	0	0		0 0
0	298 ELECTRICAL REHAB - ECAP - 2018 SC	01/01/201812/31/202	-2,864	0	0	0	0	-2,864	0	0	0		0 0
0	299 HVAC CONVERSION Z-BLDG - 2018 SC	01/01/201812/31/20	9 500	0	0	0	0	500	0	0	0		0 0
0	300 PROCESS AND EQUIPMENT - 2018 SC	01/01/201812/31/202	22 78	0	0	0	0	78	0	0	0		0 0
0	301 GROUND AND FACILITIES - 2018 SC	01/01/201812/31/202	160	0	0	0	0	160	0	0	0		0 0
0	303 BLOWER 7-9 OVERHAUL - 2018 SC	01/01/201812/31/20	8 -500	0	0	0	0	-500	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/l	Financing		2018					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 - Recoverable
<u>0 WA</u>	S000007 ASHBRIDGES BAY WWTP REHAB												
0	304 D BUILDING PHASE 2 - 2018 SC	01/01/201812/31/2024	72	0	0	0	0	72	0	0	0		0 0
0	305 AIR HEADER REHAB - 2018 SC	01/01/201812/31/2019	-238	0	0	0	0	-238	0	0	0		0 0
		Project Sub-total:	31,511	0	0	1,243	0	30,268	0	0	0		0 0
0 WA	S000115 HUMBER T.P.												
0	9 CO-GENERATION	01/01/2005 12/31/2018	269	0	0	0	0	269	0	0	0		0 0
0	63 CO-GENERATION - 2018 SC	01/01/2018 12/31/2018	-10	0	0	0	0	-10	0	0	0		0 0
		Project Sub-total:	259	0	0	0	0	259	0	0	0		0 0
0 WA	S000259 TRUNK SEWER SYSTEM												
0	15 TRUNK SEWER REHABILITATION - 2012	01/01/201212/31/2021	2,489	0	0	0	0	2,489	0	0	0		0 0
0	27 TRUNK SEWER REHABILITATION - 2014	01/01/2014 12/31/2021	29,722	0	0	0	0	29,722	0	0	0		0 0
0	34 BLACK CREEK STS EA	01/01/200812/31/2018	593	0	0	0	0	593	0	0	0		0 0
0	47 TRUNK SEWER REHABILITATION - 2016	01/01/201612/31/2021	22,346	0	0	0	0	22,346	0	0	0		0 0
0	53 TRUNK SEWER REHABILITATION - 2018	01/01/201612/31/2026	3,136	0	0	0	0	3,136	0	0	0		0 0
0	56 TRUNK SEWER REHABILITATION - 2012-2018 SC	01/01/201812/31/2021	-811	0	0	0	0	-811	0	0	0		0 0
0	57 TRUNK SEWER REHABILITATION - 2014-2018 SC	01/01/201812/31/2022	-10,059	0	0	0	0	-10,059	0	0	0		0 0
0	58 TRUNK SEWER REHABILITATION - 2016-2018 SC	01/01/201812/31/2022	981	0	0	0	0	981	0	0	0		0 0
0	59 TRUNK SEWER REHABILITATION - 2018-2018 SC	01/01/201812/31/2026	-494	0	0	0	0	-494	0	0	0		0 0
0	60 BLACK CREEK STS EA-2018 SC	01/01/201812/31/2019	-47	0	0	0	0	-47	0	0	0		0 0
0	61 TRUNK SEWER REHABILITATION - 2018 SC	01/01/201812/31/2018	1	0	0	0	0	1	0	0	0		0 0
		Project Sub-total:	47,857	0	0	0	0	47,857	0	0	0		0 0
<u>0</u> WA	S000442 BASEMENT FLOODING RELIEF												
0	1 BASEMENT FLOODING PROTECTION SUBSIDY PROG	RAN01/01/200512/31/2019	4,600	0	0	0	0	4,600	0	0	0		0 0
0	8 BASEMENT FLOODING STUDIES & EAS	01/01/200612/31/2021	1,330	0	0	0	0	1,330	0	0	0		0 0
0	9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/201312/31/2026	3,455	0	0	0	0	3,455	0	0	0		0 0
0	14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/200812/31/2019	272	0	0	0	0	272	0	0	0		0 0
0	18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011 12/31/2020	1,959	0	0	0	0	1,959	0	0	0		0 0
0	19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/201412/31/2021	11,241	0	0	0	0	11,241	0	0	0		0 0
0	20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014 12/31/2020	2,881	0	0	0	0	2,881	0	0	0		0 0
0	29 BASEMENT FLOODING RELIEF - GROUP 1	01/01/201012/31/2019	2,558	0	0	0	0	2,558	0	0	0		0 0
0	76 BASEMENT FLOODING FLOW MONITORING	01/01/201612/31/2020	926	0	0	0	0	926	0	0	0		0 0
0	77 BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEE	RINC01/01/2015 12/31/2025	21,536	0	0	0	0	21,536	0	0	0		0 0
0	81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEME	NTA 101/01/2014 12/31/2023	4,501	0	0	0	0	4,501	0	0	0		0 0
0	89 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRU	CTIC01/01/2016 12/31/2025	45,007	0	0	0	0	45,007	0	0	0		0 0

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



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/Fi	inancing		2018					Financ	ing				
Priority P	Project Name	Start Date Completio Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAS	8000442 BASEMENT FLOODING RELIEF												
0	107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUC	TIC01/01/2016 12/31/202	1 15,153	0	0	0	0	15,153	0	0	0		0 0
0	109 REAL ESTATE - IDC	01/01/2016 12/31/201	131	0	0	0	0	131	0	0	0		0 0
0	118 BASEMENT FLOODING PROTECTION SUBSIDY PROG-2	01 01/01/2018 12/31/202	900	0	0	0	0	900	0	0	0		0 0
0	119 BASEMENT FLOODING STUDIES & EAS-2018 SC	01/01/201812/31/202	-804	. 0	0	0	0	-804	0	0	0		0 0
0	120 BASEMENT FLOODING DESIGN - GROUP 1-2018 SC	01/01/2018 12/31/201	769	0	0	0	0	769	0	0	0		0 0
0	121 BASEMENT FLOODING DESIGN - GROUP 2-2018 SC	01/01/2018 12/31/202	-279	0	0	0	0	-279	0	0	0		0 0
0	122 BASEMENT FLOODING RELIEF - GROUP 1-2018 SC	01/01/2018 12/31/202	-2,499	0	0	0	0	-2,499	0	0	0		0 0
0	123 ROAD RESTORATION FOR BSMT FLDG PRJS-2018 SC	01/01/2018 12/31/201	9 13	0	0	0	0	13	0	0	0		0 0
0	124 BASEMENT FLOODING RELIEF - TUNNEL PROJECT-201	8 \$01/01/201812/31/202	-2,203	0	0	0	0	-2,203	0	0	0		0 0
0	125 BASEMENT FLOODING RELIEF - GROUP 2-2018 SC	01/01/2018 12/31/202	-5,394	. 0	0	0	0	-5,394	0	0	0		0 0
0	126 BASEMENT FLOODING DESIGN - GROUP 3-2018 SC	01/01/2018 12/31/202	-1,109	0	0	0	0	-1,109	0	0	0		0 0
0	127 BASEMENT FLOODING STUDIES & EAS IMPLEMENT-20	18 01/01/201812/31/202	-2,057	0	0	0	0	-2,057	0	0	0		0 0
0	128 BASEMENT FLOODING DESIGN - GROUP 4 (ENG)-2018			0	0	0	0	-239	0	0	0		0 0
0	129 BASEMENT FLOODING RELIEF - GROUP 4 (CONS)-2018	S(01/01/201812/31/202	7 -32,410	0	0	0	0	-32,410	0	0	0		0 0
0	130 BASEMENT FLOODING RELIEF - GROUP 3 (CONS)-2018	S(01/01/201812/31/202	-8,853	0	0	0	0	-8,853	0	0	0		0 0
0	131 REAL ESTATE - IDC - 2018 SC	01/01/2018 12/31/201	-131	0	0	0	0	-131	0	0	0		0 0
		Project Sub-total:	61,254	0	0	0	0	61,254	0	0	0		0 0
<u>0</u> WAS	MIGHLAND CREEK WWTP - BUILDING SERV & SITE	<u>DEV</u>											
0	3 HCTP BLDG REHAB & IMPROVEMENTS	01/01/2012 12/31/201	681	0	0	0	0	681	0	0	0		0 0
0	10 HCTP BLDG REHAB & IMPROVEMENTS - 2018 SC	01/01/2018 12/31/201	2,132	0	0	0	0	2,132	0	0	0		0 0
		Project Sub-total:	2,813	0	0	0	0	2,813	0	0	0		0 0
0 WAS	S906322 W&WW LABORATORIES												
0	9 LAB EQUIPMENT	01/01/2008 12/31/202	1 248	0	0	0	0	248	0	0	0		0 0
0	22 LAB & EMP FACILITIES	01/01/2018 12/31/202	7 1,800	0	0	0	0	1,800	0	0	0		0 0
0	27 LAB EQUIPMENT - FUTURE	01/01/2018 12/31/202	7 254	. 0	0	0	0	254	0	0	0		0 0
0	32 LAB EQUIPMENT - 2018 SC	01/01/2018 12/31/202	1 33	0	0	0	0	33	0	0	0		0 0
		Project Sub-total:	2,335	0	0	0	0	2,335	0	0	0		0 0
<u>0</u> WAS	S906328 SWM END OF PIPE FACILITIES												
0	11 Bonar Creek SWMF Construction	01/01/2014 12/31/202	2 660	0	0	53	0	607	0	0	0		0 0
0	12 EARL BALES PARK SWM FACILITY - PHASE 2	01/01/2012 12/31/201	859	0	0	69	0	790	0	0	0		0 0
0	64 HUMBER BAY POND (ETOBICOKE)	01/01/2016 12/31/201	9 400	0	0	32	0	368	0	0	0		0 0
0	67 YR03 D1 END OF PIPE	01/01/2016 12/31/201	3 1	0	0	0	0	1	0	0	0		0 0
0	69 EARL BALES PARK SWM FACILITY - PHASE 2-2018 SC	01/01/2018 12/31/201	-839	0	0	-67	0	-772	0	0	0		0 0

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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/Financing		2018					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 - Recoverable
0 WAS906328 SWM END OF PIPE FACILITIES												
0 70 Bonar Creek SWMF Construction-2018 SC	01/01/2018 12/31/2022	-160	0	0	-13	0	-147	0	0	0		0 0
0 71 HUMBER BAY POND (ETOBICOKE)-2018 SC	01/01/2018 12/31/2020	-350	0	0	-28	0	-322	0	0	0		0 0
0 72 NORTH TORONTO CSO CONSTR - 2018 SC	01/01/2018 12/31/2020	500	0	0	40	0	460	0	0	0		0 0
	Project Sub-total:	1,071	0	0	86	0	985	0	0	0		0 0
0 WAS906331 SWM SOURCE CONTROL PROG												
0 9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005 12/31/2018	204	0	0	0	0	204	0	0	0		0 0
0 16 DOWNSPOUT DISCONNECTION PROGRAM - 2018 SC	01/01/201812/31/2022	-122	0	0	0	0	-122	0	0	0		0 0
	Project Sub-total:	82	0	0	0	0	82	0	0	0		0 0
0 WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL												
0 1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/2008 12/31/2021	620	0	0	50	0	570	0	0	0		0 0
0 2 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/201312/31/2020	4,866	0	0	392	0	4,474	0	0	0		0 0
0 22 ODOUR CONTROL UPGRADES - PHASE 1 ENG-2018 SC	01/01/201812/31/2023	112	0	0	9	0	103	0	0	0		0 0
0 23 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-20°	18 S01/01/201812/31/2020	1,005	0	0	80	0	925	0	0	0		0 0
	Project Sub-total:	6,603	0	0	531	0	6,072	0	0	0		0 0
0 WAS906486 ASHBRIDGES BAY T.P III YR2004	•											
0 3 PCS-PLANT SRVS	01/01/2005 12/31/2018	197	0	0	16	0	181	0	0	0		0 0
0 49 PCS-PLANT SRVS-2018 SC	01/01/2018 12/31/2018	-177	0	0	-14	0	-163	0	0	0		0 0
	Project Sub-total:	20	0	0	2	0	18	0	0	0		0 0
0 WAS906488 HUMBER T.P II YR2004												
0 2 PCS PLANT SERVICES	01/01/200512/31/2018	8	0	0	1	0	7	0	0	0		0 0
0 25 PCS PLANT SERVICES - 2018 SC	01/01/2005 12/31/2018	-3	0	0	-1	0	-2	0	0	0		0 0
0 23 FG3 FLANT 3ERVICE3 - 2010 3G	Project Sub-total:	-s 5	0	0	0	0	5	0	0	0		0 0
	Project Sub-total.	3	0									
0 WAS906492 WET WEATHER FLOW MP			•									
0 1 SWM INA/EA	01/01/2005 12/31/2019		0	0	44	0	504	0	0	0		0 0
0 2 PUBLIC EDUCATION	01/01/2005 12/31/2018		0	0	56	0	642	0	0	0		0 0
0 14 WWFMP IMPLEMENTATION - DESIGN	01/01/2008 12/31/2020	918	0	0	73	0	845	0	0	0		0 0
0 41 SWM CONVEYANCE 2012	01/01/2012 12/31/2018	1		0	0	0	1	0	0	0		0 0
0 51 SWM CONVEYANCE 2014	01/01/2014 12/31/2018	1 505	0	0	0	0	1	0	0	0		0 0
0 58 SWM CONVEYANCE 2015	01/01/2015 12/31/2018		0	0	40	0	465	0	0	0		0 0
0 59 STORM WATER POND ASSESSMENT & CLEANING 0 60 ASHBRIDGES BAY LANDFORMS	01/01/2015 12/31/2022	2,098	0	0	0	0	2,098	0	0	0		0 0
007.00.12.11.20.20.27.11.21.11.27.01.11.10	01/01/2015 12/31/2023	5,000	0	0	0	0	5,000	0	0	0		0 0
0 0 10 1111 00 1112 1711 00 10 11	01/01/2016 12/31/2019	,		-	185	ŭ	2,107	0	0	ŭ		
0 86 GREEN STREETS	01/01/201612/31/2020	814	l	0	66	0	748	0	0	0		0 0



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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project.	/Financing		7.	2018		nin.			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 - Recoverabl
<u>0</u> W	AS906492 WET WEATHER FLOW MP													
0	97 WATERFRONT MODELLING STUDIES	01/01/2016	12/31/2022	100	0	0	8	0	92	0	0	0		0
0	98 SWM INA/EA-2018 SC	01/01/2018	12/31/2022	408	0	0	33	0	375	0	0	0		0
0	99 WWFMP IMPLEMENTATION - DESIGN-2018 SC	01/01/2018	12/31/2020	-265	0	0	-20	0	-245	0	0	0		0
0	102 SWM CONVEYANCE 2015-2018 SC	01/01/2018	12/31/2019	-500	0	0	-40	0	-460	0	0	0		0
0	103 STORM WATER POND ASSESSMENT & CLEANING-2018	S(01/01/2018	12/31/2022	-573	0	0	0	0	-573	0	0	0		0
0	104 ASHBRIDGES BAY LANDFORMS-2018 SC	01/01/2018	12/31/2025	-5,000	0	0	0	0	-5,000	0	0	0		0
0	105 SWM CONVEYANCE 2017-2018 SC	01/01/2018	12/31/2021	504	0	0	40	0	464	0	0	0		0
0	106 GREEN STREETS-2018 SC	01/01/2018	12/31/2022	79	0	0	6	0	73	0	0	0		0
0	107 WATERFRONT MODELLING STUDIES - 2018 SC	01/01/2018	12/31/2025	-100	0	0	-8	0	-92	0	0	0		0
0	108 PUBLIC EDUCATION - 2018 SC	01/01/2018	12/31/2018	-88	0	0	-7	0	-81	0	0	0		0
		Project Sub	-total:	7,440	0	0	476	0	6,964	0	0	0		0
0 W	AS906495 SEWER ASSET PLANNING													
0	5 SEWER ASSET PLANNING	01/01/2007	12/31/2020	9,360	0	0	754	0	8,606	0	0	0		0
0	7 SEWER SYSTEM INSPECTION	01/01/2010	12/31/2020	18,125	0	0	0	0	18,125	0	0	0		0
0	21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014	12/31/2018	160	0	0	0	0	160	0	0	0		0
0	35 SEWER ASSET PLANNING-2018 SC	01/01/2018	12/31/2023	-2,679	0	0	-216	0	-2,463	0	0	0		0
0	36 SEWER SYSTEM INSPECTION-2018 SC	01/01/2018	12/31/2020	-8,188	0	0	0	0	-8,188	0	0	0		0
0	37 PPD - INFRASTRUCTURE PLANNING STUDIES-2018 SC	01/01/2018	12/31/2019	102	0	0	0	0	102	0	0	0		0
0	38 CORP IT - IDC-2018 SC	01/01/2018	12/31/2018	147	0	0	0	0	147	0	0	0		0
		Project Sub	-total:	17,027	0	0	538	0	16,489	0	0	0		0
0 W	AS906500 NEW SEWER CONSTRUCTION													
- 0	5 NEW SEWERS	01/01/2008	12/31/2018	560	0	0	348	0	212	0	0	0		0
0	24 WATERFRONT SANITARY MASTER SERVICING PLAN IM	IP 01/01/2015	12/31/2020	2,280	0	0	1,140	0	1,140	0	0	0		0
0	25 DOWNSVIEW LANDS EXTERNAL UPGRADES	01/01/2015	12/31/2019	5,000	0	0	5,000	0	0	0	0	0		0
0	36 SHEPPARD SANITARY SEWER AT EAST DON STS	01/01/2018	12/31/2020	1,000	0	0	622	0	378	0	0	0		0
0	37 NEW SEWERS-2018 SC	01/01/2018	12/31/2020	-545	0	0	-339	0	-206	0	0	0		0
0	38 DOWNSVIEW LANDS EXTERNAL UPGRADES-2018 SC	01/01/2018	12/31/2022	-5,000	0	0	-5,000	0	0	0	0	0		0
0	39 WATERFRONT SANITARY MASTER SERVICING PLAN-20	1801/01/2018	12/31/2022	-280	0	0	-140	0	-140	0	0	0		0
		Project Sub	-total:	3,015	0	0	1,631	0	1,384	0	0	0	,	0
0 W	AS906501 YARD & BUILDING RENOVATION												,	,
0	11 YARDS & BUILDING RENOVATION	01/01/2016	12/31/2018	2	0	0	0	0	2	0	0	0		0
0	12 YARDS & BUILDING RENOVATION - 2018 SC	01/01/2018			0	0	0	0	-2	0	0			0
-		Project Sub			0	0	0	0	0	0	0			0



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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/F	inancing		2018					Financ	ing				
Priority I	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
0 WA	S906735 DIST SEWER REHAB OPS YR2005												
0	10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005 12/31/201	9 12	0	0	1	0	11	0	0	0		0 0
0	19 GROUP 1 SEWAGE PUMPING STATION UPGRADES -20°	18 (01/01/201812/31/202	0 3	0	0	0	0	3	0	0	0		0 0
		Project Sub-total:	15	0	0	1	0	14	0	0	0		0 0
0 WA	S906741 HIGHLAND CREEK TP YR2005												
0	1 WAS THICKENING AND DEWATERING - ENG	01/01/200512/31/201	8 13	0	0	1	0	12	0	0	0		0 0
0	20 WAS THICKENING AND DEWATERING - ENG - 2018 SC	01/01/201812/31/201	8 -10	0	0	-1	0	-9	0	0	0		0 0
		Project Sub-total:	3	0	0	0	0	3	0	0	0		0 0
0 WA	S906742 HUMBER TP YR2005	·											
0	8 ODOUR CONTROL ENGINEERING	01/01/200812/31/202	1 10	0	0	0	0	10	0	0	0		0 0
0	57 ODOUR CONTROL ENGINEERING - 2018 SC	01/01/201812/31/202			0	0	0	295	0	0	0		0 0
-		Project Sub-total:	305	0	0	0	0	305	0	0	0		0 0
0 WA	S906743 ASHRIDGES BAY TP YR2005	,											
0	1 MISC MECH ENGINEERING	01/01/2005 12/31/202	0 500	0	0	40	0	460	0	0	0		0 0
0	7 SERVICE AIR UPGRADES	01/01/2006 12/31/201			0	0	0	1,600	0	0	0		0 0
0	62 SERVICE AIR UPGRADES - 2018 SC	01/01/2018 12/31/201	,	_	0	0	0	-1,435	0	0	0		0 0
Ü	02 GENVIOLE/MIX GI GIVIDEG 25 TO GO	Project Sub-total:	665	0	0	40	0	625	0	0	0		0 0
0 WA	S906755 WESTERN BEACHES RETROFIT	r rojour oub rotali		<u> </u>									
<u>0</u> <u>WA</u>	1 WESTERN BEACHES RETROFIT	01/01/2005 12/31/202	2 5,561	0	0	448	0	5,113	0	0	0		0 0
0	16 WESTERN BEACHES RETROFIT-2018 SC	01/01/2003 12/31/202		0	0	62	0	719	0	0	0		0 0
U	10 WESTERN BEACHES RETROPTI-2010 SC	Project Sub-total:	6,342	0	0	510	0	5,832	0	0	0		0 0
	OCCUPATION AND STREET	Project Sub-total.	0,342		0	310	0	3,032	0	- 0	0		
	S906926 OPERATIONAL SUPPORT	0.4.10.4.10.000.4.010.4.100.4						==0					
0	6 FACILITY RENOVATION	01/01/2006 12/31/201		0	0	0	0	750	0	0	0		0 0
Ü	7 RENOVATION - MERTON STREET	01/01/2012 12/31/201			0	0	0	20	0	0	0		0 0
0	23 EMP MONITORING NEEDS 40 PCS UPGRADES FOR WASTEWATER TREATMENT	01/01/2010 12/31/201		0	0	0	0	50 9,444	0	0	0		0 0
0	100 DIVISIONAL SECURITY	01/01/2013 12/31/202 01/01/2016 12/31/201	•	0	0	0	0	1,030	0	0	0		0 0
0	107 OFFICE MODERNIZATION - MH18	01/01/2016 12/31/201	1	_	0	0	0	1,875	0	0	0		0 0
0	114 DISTRICT OPERATIONS FACILITY UPGRADES	01/01/2016 12/31/201	•	_	0	0	0	500	0	0	0		0 0
0	115 PCS UPGRADES FOR WASTEWATER TREATMENT - 201			_	0	0	0	-7,624	0	0	0		0 0
0	116 DISTRICT OPERATIONS FACILITY UPGRADES - 2018 SC		1	_	0	0	0	-7,024	0	0	0		0 0
0	118 OFFICE MODERNIZATION - MH18 - 2018 SC	01/01/2018 12/31/202			0	0	0	-1,425	0	0	0		0 0
0	119 RENOVATION - MERTON STREET - 2018 SC	01/01/201812/31/201			0	0	0	-10	0	0	0		0 0
0	120 DIVISIONAL SECURITY - 2018 SC	01/01/2018 12/31/201			0	0	0	5	0	0	0		0 0
•			1	l	•	3	3	9	Ū	Ū	3		. •



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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

oject/	/Financing	[2018		1 -			Financ					T = .
iority	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 - Recoverabl
<u>w</u>	AS906926 OPERATIONAL SUPPORT													
0	122 435 KIPLING AVENUE	01/01/2018	12/31/2020	150	0	0	0	0	150	0	0	0		0 (
		Project Sub	-total:	4,515	0	0	0	0	4,515	0	0	0		0 (
0 <u>w</u>	AS906958 SEWER SYSTEM REHABILITATION													
0	2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRA	DE\$01/01/2005	12/31/2018	32	0	0	3	0	29	0	0	0		0 (
0	5 CCTV INSPECTION	01/01/2007	12/31/2018	1,200	0	0	0	0	1,200	0	0	0		0
0	8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008	12/31/2018	224	0	0	18	0	206	0	0	0		0
0	9 SEWER REHABILITATION	01/01/2008	12/31/2020	16,161	0	0	0	0	16,161	0	0	0		0
0	23 SEWAGE PUMPING STATION STANDBY POWER	01/01/2009	12/31/2018	115	0	0	9	0	106	0	0	0		0
0	24 GROUP 5 SEWAGE PUMPING STATION UPGRADES	01/01/2013	12/31/2021	6,300	0	0	507	0	5,793	0	0	0		0
0	79 SEWER REHABILITATION - CWD	01/01/2016	12/31/2023	52,158	0	0	0	0	52,158	0	0	0		0
0	91 SEWER REHABILITATION-2018 SC	01/01/2018	12/31/2022	8,117	0	0	0	0	8,117	0	0	0		0
0	92 SEWER REHABILITATION - CWD-2018 SC	01/01/2018	12/31/2023	-753	0	0	0	0	-753	0	0	0		0
0	94 SPS SCADA UPGRADES - ENGINEERING-2018 SC	01/01/2018	12/31/2019	17	0	0	1	0	16	0	0	0		0
0	95 SEWAGE PUMPING STATION STANDBY POWER-2018 S	SC 01/01/2018	12/31/2019	-114	0	0	-9	0	-105	0	0	0		0
0	96 GROUP 5 SEWAGE PUMPING STATION UPGRADES-20	18 S01/01/2018	12/31/2021	-1,775	0	0	-143	0	-1,632	0	0	0		0
0	97 CCTV INSPECTION - 2018 SC	01/01/2018	12/31/2020	100	0	0	0	0	100	0	0	0		0
		Project Sub	-total:	81,782	0	0	386	0	81,396	0	0	0		0
) W	AS906960 STREAM RESTORATION & EROSION CONTROL													
0	7 STREAM RESTORATION	01/01/2008	12/31/2018	1,440	0	0	116	0	1,324	0	0	0		0
0	41 WATERCOURSE - ENGINEERING	01/01/2016	12/31/2026	1,175	0	0	95	0	1,080	0	0	0		0 (
0	43 PARTNER PROJECTS	01/01/2016	12/31/2021	1,920	0	0	155	0	1,765	0	0	0		0
0	51 STUDIES, EAs, MASTER PLANS	01/01/2016	12/31/2022	2,330	0	0	187	0	2,143	0	0	0		0
0	52 CRITICAL REPAIRS	01/01/2016	12/31/2024	2,367	0	0	191	0	2,176	0	0	0		0
0	53 EMERGENCY EROSION CONTROL	01/01/2016	12/31/2022	860	0	0	70	0	790	0	0	0		0
0	55 STREAM RESTORATION -2018 SC	01/01/2018	12/31/2019	-1,042	0	0	-84	0	-958	0	0	0		0
0	56 STUDIES, EAs, MASTER PLANS -2018 SC	01/01/2018	12/31/2022	-978	0	0	-78	0	-900	0	0	0		0
0	57 CRITICAL REPAIRS-2018 SC	01/01/2018	12/31/2026	-887	0	0	-72	0	-815	0	0	0		0
0	59 WATERCOURSE - ENGINEERING - 2018 SC	01/01/2018	12/31/2027	-705	0	0	-57	0	-648	0	0	0		0
0	60 EMERGENCY EROSION CONTROL - 2018 SC	01/01/2018	12/31/2019	-560	0	0	-46	0	-514	0	0	0		0
0	61 PARTNER PROJECTS - 2018 SC	01/01/2018	12/31/2019	-1,320	0	0	-107	0	-1,213	0	0	0		0
		Project Sub	-total·	4,600	0	0	370	0	4,230	0	0	0		0

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Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Project/	Financing		2018					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 - Recoverable
0 WA	AS906966 SWM TRCA FUNDING												
0	22 TORONTO WATER TRANSFER TO TRCA CAPITAL	01/01/2018 12/31/2018	4,382	0	0	353	0	4,029	0	0	0		0 0
		Project Sub-total:	4,382	0	0	353	0	4,029	0	0	0		0 0
0 WA	AS906968 ENGINEERING												
0	2 CONSULTING FEES	01/01/2006 12/31/2026	14,195	0	0	0	0	14,195	0	0	0		0 0
0	52 ECS SALARIES	01/01/201412/31/2018	114	0	0	0	0	114	0	0	0		0 0
0	59 ROAD RESTORATION	01/01/200612/31/2018	800	0	0	0	0	800	0	0	0		0 0
0	65 ECS SALARIES - 2018 SC	01/01/201812/31/2018	14,477	0	0	0	0	14,477	0	0	0		0 0
0	67 ROAD RESTORATION-2018 SC	01/01/2018 12/31/2019	-71	0	0	0	0	-71	0	0	0		0 0
0	68 CONSULTING FEES-2018 SC	01/01/201812/31/2026	-2,513	0	0	0	0	-2,513	0	0	0		0 0
0	69 TW SALARIES	01/01/2018 12/31/2018	967	0	0	0	0	967	0	0	0		0 0
		Project Sub-total:	27,969	0	0	0	0	27,969	0	0	0		0 0
0 WA	AS906973 SEWER REPLACEMENT PROGRAM												
0	24 FORCEMAIN REPLACEMENT	01/01/201212/31/2018	25	0	0	0	0	25	0	0	0		0 0
0	25 2012 SEWER REPLC	01/01/201212/31/2018	100	0	0	0	0	100	0	0	0		0 0
0	35 2013 SEWER REPLC	01/01/201312/31/2018	9	0	0	1	0	8	0	0	0		0 0
0	36 SEWER REPLC - 2014 PROGRAM	01/01/201412/31/2018	335	0	0	27	0	308	0	0	0		0 0
0	46 WATERFRONT STORMWATER INFRASTRUCTURE	01/01/201312/31/2018	1,483	0	0	970	0	513	0	0	0		0 0
0	47 EBF REPORT	01/01/201312/31/2018	400	0	0	262	0	138	0	0	0		0 0
0	52 SEWER REPLACEMENT - METROLINX	01/01/201412/31/2021	244	0	0	0	0	244	0	0	0		0 0
0	62 SEWER REPLC - 2015 PROGRAM	01/01/201512/31/2018	895	0	0	72	0	823	0	0	0		0 0
0	71 SEWER REPLC - 2016 PROGRAM	01/01/201612/31/2018	7,636	0	0	615	0	7,021	0	0	0		0 0
0	75 FORCEMAIN REPLACEMENT - 2016	01/01/201612/31/2021	11,008	0	0	0	0	11,008	0	0	0		0 0
0	78 SEWER REPLC - 2017 PROGRAM	01/01/2016 12/31/2019	4,121	0	0	332	0	3,789	0	0	0		0 0
0	79 SEWER REPLC - 2018 PROGRAM	01/01/201812/31/2020	4,176	0	0	336	0	3,840	0	0	0		0 0
0	90 2012 SEWER REPLC-2018 SC	01/01/2018 12/31/2019	-84	0	0	0	0	-84	0	0	0		0 0
0	92 SEWER REPLC - 2014 PROGRAM-2018 SC	01/01/201812/31/2019	-333	0	0	-27	0	-306	0	0	0		0 0
0	93 SEWER REPLC - 2015 PROGRAM-2018 SC	01/01/201812/31/2019	-687	0	0	-55	0	-632	0	0	0		0 0
0	94 SEWER REPLC - 2016 PROGRAM-2018 SC	01/01/2018 12/31/2019	-4,756	0	0	-383	0	-4,373	0	0	0		0 0
0	95 FORCEMAIN REPLACEMENT - 2016-2018 SC	01/01/2018 12/31/2021	-6,660	0	0	0	0	-6,660	0	0	0		0 0
0	96 SEWER REPLC - 2017 PROGRAM-2018 SC	01/01/2018 12/31/2020	-2,047	0	0	-165	0	-1,882	0	0	0		0 0
0	97 SEWER REPLACEMENT - METROLINX - 2018 SC	01/01/2018 12/31/2022	-153	0	0	0	0	-153	0	0	0		0 0
0	99 EBF REPORT - 2018 SC	01/01/2018 12/31/2019	1,000	0	0	654	0	346	0	0	0		0 0



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Proio	ect/Financing		2018					Financ	ina				
•	rity Project Project Name	Start Date Completion			Federal	Developmt	Reserves	Reserve	Capital	Other 1	Other 2	Debt	Debt -
		Date		Grants Subsidies	Subsidy	Charges		Funds	From Current				Recoverable
0	WAS906973 SEWER REPLACEMENT PROGRAM												
0	100 CSP RENEWAL	01/01/201812/31/2022	1,305	0	0	105	0	1,200	0	0	0		0 0
		Project Sub-total:	18,017	0	0	2,744	0	15,273	0	0	0		0 0
<u>o</u>	WAS906980 ASHBRIDGES BAY T.P. YR2006												
0		01/01/2006 12/31/2018	3	0	0	0	0	3	0	0	0		0 0
0	43 MEDIATION AGREEMENT IMPLEMENTATION - 20	01/01/201812/31/2018	3 1	0	0	0	0	1	0	0	0		0 0
		Project Sub-total:	4	0	0	0	0	4	0	0	0		0 0
0	WAS906981 HIGHLAND CREEK WWTP UPGRADES												
0		01/01/2006 12/31/2022	2,167	0	0	0	0	2,167	0	0	0		0 0
0	3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006 12/31/2020	416	0	0	33	0	383	0	0	0		0 0
0	5 TRANSFORMERS AND SWITCHGEAR	01/01/2006 12/31/2020	200	0	0	16	0	184	0	0	0		0 0
0	7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2006 12/31/2018	120	0	0	0	0	120	0	0	0		0 0
0	8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011 12/31/2020	6,677	0	0	0	0	6,677	0	0	0		0 0
0	23 ELECTRICAL UPGRADES - ECAR	01/01/2012 12/31/2019	835	0	0	0	0	835	0	0	0		0 0
0	32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2009 12/31/2022	1,522	0	0	0	0	1,522	0	0	0		0 0
0	80 DIGESTER CLEANING, REHAB AND IMPROVEMI	ENTS #4-7 01/01/201412/31/2022	118	0	0	0	0	118	0	0	0		0 0
0	90 PROCESS IMPROVEMENTS (ROADMAP FOR RO	CM) 01/01/2015 12/31/2019	100	0	0	0	0	100	0	0	0		0 0
0	92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/2015 12/31/2021	3,459	0	0	0	0	3,459	0	0	0		0 0
0	101 AERATION SYSTEM AND ASSOCIATED BUILDING	G UPGRAC01/01/201612/31/2021	14,000	0	0	0	0	14,000	0	0	0		0 0
0	102 LIQUID TRAIN - ENGINEERING	01/01/2015 12/31/2026	2,940	0	0	0	0	2,940	0	0	0		0 0
0	123 COMMUNICATION SYSTEM	01/01/2016 12/31/2022	233	0	0	0	0	233	0	0	0		0 0
0	139 PROCESS & FACILITY UPGRADE-2018 SC	01/01/201812/31/2023	-913	0	0	0	0	-913	0	0	0		0 0
0	140 BIOSOLIDS TREATMENT UPGRADES -2018 SC	01/01/201812/31/2020	482	0	0	40	0	442	0	0	0		0 0
0	141 DIGESTER GAS SYSTEM UPGRADES-2018 SC	01/01/2018 12/31/2020	98	0	0	0	0	98	0	0	0		0 0
0		01/01/2018 12/31/2027	-1,015		0	0	0	-1,015	0	0	0		0 0
0		01/01/2018 12/31/2022	-1,928	0	0	0	0	-1,928	0	0	0		0 0
0		01/01/2018 12/31/2021		0	0	-15	0	-175	0	0	0		0 0
0			1	0	0	0	0	-14,000	0	0	0		0 0
0				0	0	0	0	-24	0	0	0		0 0
0	(•		0	0	0	0	-100	0	0	0		0 0
0				0	0	0	0	-91	0	0	0		0 0
0				0	0	0	0	-622	0	0	0		0 0
0	150 ELECTRICAL UPGRADES - ECAR - 2018 SC	01/01/201812/31/2019	-440	0	0	0	0	-440	0	0	0		0 0



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Project/F	-inancing			2018					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> <u>W</u> A	S906981 HIGHLAND CREEK WWTP UPGRADES													
0	151 COMMUNICATION SYSTEM - 2018 SC	01/01/20181	12/31/2023	42	0	0	0	0	42	0	0	0		0
		Project Sub-	-total:	14,086	0	0	74	0	14,012	0	0	0		0
0 WA	S906982 HUMBER WWTP UPGRADES													
0	2 CHLORINE FACILITY UPGRADE	01/01/20061	12/31/2018	643	0	0	0	0	643	0	0	0		0
0	6 NEW SUBSTATION	01/01/20061		5	0	0	0	0	5	0	0	0		0
0	7 ELECTRICAL CONDITION ASSESSMENT RECOMMEND			2,677	0	0	0	0	2,677	0	0	0		0
0	29 ADMIN BUILDING EXPANSION - ENGINEERING	01/01/20101		500	0	0	0	0	500	0	0	0		0
0	52 HVAC UPGRADES	01/01/20131	12/31/2021	8,016	0	0	0	0	8,016	0	0	0		0
0	81 BLOWER REPLACEMENT	01/01/20161	12/31/2024	250	0	0	0	0	250	0	0	0		0
0	82 DIGESTERS CLEANING REHAB	01/01/20181	12/31/2022	550	0	0	0	0	550	0	0	0		0
0	95 REPLACEMENT OF WASTE GAS BURNERS	01/01/20161	12/31/2022	1,800	0	0	0	0	1,800	0	0	0		0
0	99 WET WEATHER FLOW	01/01/20161	12/31/2020	2,100	0	0	0	0	2,100	0	0	0		0
0	107 MESI UPGRADES	01/01/20161	12/31/2021	860	0	0	0	0	860	0	0	0		0
0	108 BUILDING UPGRADES ENGINEERING	01/01/20161	12/31/2018	100	0	0	0	0	100	0	0	0		0
0	114 FIELD OFFICE	01/01/2017 1	12/31/2018	471	0	0	0	0	471	0	0	0		0
0	115 ADMIN BUILDING EXPANSION - CONSTRUCTION	01/01/20181	12/31/2023	500	0	0	0	0	500	0	0	0		0
0	116 SERVICE REHAB AND UPGRADES	01/01/20161	12/31/2022	1,000	0	0	0	0	1,000	0	0	0		0
0	117 BLOWER REPLACEMENT-2018 SC	01/01/20181	12/31/2027	-250	0	0	0	0	-250	0	0	0		0
0	118 WET WEATHER FLOW-2018 SC	01/01/20181	12/31/2023	-1,700	0	0	0	0	-1,700	0	0	0		0
0	119 SERVICE REHAB AND UPGRADES-2018 SC	01/01/20181	12/31/2023	-1,000	0	0	0	0	-1,000	0	0	0		0
0	120 ELECTRICAL CONDITION ASSESSMENT RECOMM - 20	18 \$01/01/20181	12/31/2019	-256	0	0	0	0	-256	0	0	0		0
0	121 OPERATIONS CONTROL CENTRE - ENGINEERING - 20	18 S01/01/20181	12/31/2022	117	0	0	0	0	117	0	0	0		0
0	122 REPLACEMENT OF WASTE GAS BURNERS - 2018 SC	01/01/20181	12/31/2022	-550	0	0	0	0	-550	0	0	0		0
0	123 BUILDING UPGRADES ENGINEERING - 2018 SC	01/01/20181	12/31/2018	-100	0	0	0	0	-100	0	0	0		0
0	124 CHLORINE FACILITY UPGRADE - 2018 SC	01/01/20181	12/31/2019	-638	0	0	0	0	-638	0	0	0		0
0	125 NEW SUBSTATION - 2018 SC	01/01/20181	12/31/2019	7	0	0	0	0	7	0	0	0		0
0	126 HVAC UPGRADES - 2018 SC	01/01/20181	12/31/2020	-2,106	0	0	0	0	-2,106	0	0	0		0
0	127 MESI UPGRADES - 2018 SC	01/01/20181	12/31/2022	-360	0	0	0	0	-360	0	0	0		0
0	128 FIELD OFFICE - 2018 SC	01/01/20181	12/31/2018	191	0	0	0	0	191	0	0	0		0
		Project Sub-	-total:	12,827	0	0	0	0	12,827	0	0	0		0
0 WA	.S906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLI	NG		ĺ										
0	1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/20121	12/31/2026	2,557	0	0	206	0	2,351	0	0	0		0
0	3 WAS THICKENING - CONSTR	01/01/20101		504	0	0	41	0	463	0	0	0		0
0	8 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/20181			0	0	1	0	9	0	0	0		0



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Project/F	Financing		2018					Financ	ing				
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 - Recoverable
0 WA	S906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HANDL	<u>ING</u>											
0	19 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-20	18 S01/01/201812/31/202	7 -57	0	0	-5	0	-52	0	0	0		0 0
0	20 WAS THICKENING - CONSTR-2018 SC	01/01/201812/31/201	8 -9	0	0	-1	0	-8	0	0	0		0 0
		Project Sub-total:	3,005	0	0	242	0	2,763	0	0	0		0 0
<u>0 WA</u>	S907038 Land Acquisition for Source Water Protect												
0	25 TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/201612/31/201	9 1,200	0	0	96	0	1,104	0	0	0		0 0
0	29 TRCA - CRITICAL EROSION SITES	01/01/201812/31/201	8,000	0	0	644	0	7,356	0	0	0		0 0
0	30 TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 201	8 S(01/01/201812/31/201	8 800	0	0	64	0	736	0	0	0		0 0
0	31 TRCA - SCARBOROUGH WATERFRONT WEST EA - 201	8 S(01/01/201812/31/201	9 -350	0	0	-28	0	-322	0	0	0		0 0
		Project Sub-total:	9,650	0	0	776	0	8,874	0	0	0		0 0
<u>0</u> WA	.S907097 ASHBRIDGES BAY WWTP - BUILDING SERVICES 8	SITE DE											
0	7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABA	TEM01/01/2007 12/31/202	0 100	0	0	0	0	100	0	0	0		0 0
0	19 BIO GAS UTILIZATION	01/01/200912/31/202	3 1,200	0	0	0	0	1,200	0	0	0		0 0
0	21 BLOWER BLDG & OLD NORTH SUBSTATION IMPROVE	MEN01/01/201012/31/202	3 1,970	0	0	0	0	1,970	0	0	0		0 0
0	64 GROVE LANDSCAPING - PHASE 1	01/01/201612/31/201	8 2,256	0	0	0	0	2,256	0	0	0		0 0
0	65 BLOWER BLDG & OLD NORTH SUBSTATION IMPRO -2	018 :01/01/201812/31/202	3 404	. 0	0	0	0	404	0	0	0		0 0
0	66 GROVE LANDSCAPING - PHASE 1-2018 SC	01/01/201812/31/202	0 1,486	0	0	0	0	1,486	0	0	0		0 0
0	67 BIO GAS UTILIZATION - 2018 SC	01/01/201812/31/202	5 -1,000	0	0	0	0	-1,000	0	0	0		0 0
		Project Sub-total:	6,416	0	0	0	0	6,416	0	0	0		0 0
<u>0</u> WA	S907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM												
0	1 DISINFECTION ENGINEERING	01/01/200912/31/202	2 4,456	0	0	358	0	4,098	0	0	0		0 0
0	2 OUTFALL CONSTRUCTION	01/01/201812/31/202	5,000	0	0	402	0	4,598	0	0	0		0 0
0	13 OUTFALL ASSESSMENT	01/01/201212/31/201	8 5	0	0	0	0	5	0	0	0		0 0
0	14 OUTFALL ENGINEERING	01/01/201512/31/202	6 5,874	. 0	0	472	0	5,402	0	0	0		0 0
0	15 DISINFECTION SYSTEM CONSTRUCTION	01/01/201612/31/202	0 75,080	0	0	6,042	0	69,038	0	0	0		0 0
0	31 OUTFALL - SITE PREP	01/01/201612/31/201	8 450	0	0	36	0	414	0	0	0		0 0
0	33 DISINFECTION ENGINEERING-2018 SC	01/01/201812/31/202	4 -3,656	0	0	-294	0	-3,362	0	0	0		0 0
0	34 DISINFECTION SYSTEM CONSTRUCTION-2018 SC	01/01/2018 12/31/202	2 -24,945	0	0	-2,007	0	-22,938	0	0	0		0 0
0	35 OUTFALL ENGINEERING-2018 SC	01/01/201812/31/202	6 -3,449	0	0	-277	0	-3,172	0	0	0		0 0
		Project Sub-total:	58,815	0	0	4,732	0	54,083	0	0	0		0 0
<u>0</u> WA	S907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT &	HANDLIN											
0	1 FINE BUBBLE AERATION - TANK #2	01/01/200912/31/201	8 540	0	0	43	0	497	0	0	0		0 0
0	3 P BLDG HEADWORKS UPGRADE	01/01/2010 12/31/201	9 7,546	0	0	607	0	6,939	0	0	0		0 0
0	6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014 12/31/201	8 3,940	0	0	0	0	3,940	0	0	0		0 0

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



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Projec	/Financing		2018					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 - Recoverable
<u>o</u> <u>v</u>	AS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	ANDLIN											
0	10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011 12/31/2026	6,689	0	0	0	0	6,689	0	0	0		0 0
0	12 WORK AREA 1 REHAB	01/01/2008 12/31/2018	10	0	0	0	0	10	0	0	0		0 0
0	39 INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	01/01/201212/31/2026	3,350	0	0	0	0	3,350	0	0	0		0 0
0	77 FINE BUBBLE AERATION - ENGINEERING	01/01/2016 12/31/2025	1,500	0	0	121	0	1,379	0	0	0		0 0
0	80 INTEGRATED PUMPING STATION (IPS) - CONST-2018 SC	01/01/2018 12/31/2020	5,450	0	0	0	0	5,450	0	0	0		0 0
0	81 FINE BUBBLE AERATION - ENGINEERING-2018 SC	01/01/2018 12/31/2027	-1,100	0	0	-89	0	-1,011	0	0	0		0 0
0	82 FINE BUBBLE AERATION - TANK #2-2018 SC	01/01/201812/31/2019	-410	0	0	-33	0	-377	0	0	0		0 0
0	83 P BLDG HEADWORKS UPGRADE-2018 SC	01/01/2018 12/31/2019	9,479	0	0	763	0	8,716	0	0	0		0 0
0	85 INTEGRATED PUMPING STATION (IPS) - ENG - 2018 SC	01/01/201812/31/2027	511	0	0	0	0	511	0	0	0		0 0
0	86 M & T PUMPING STATION CRITICAL REPAIRS - 2018 SC	01/01/2018 12/31/2019	-440	0	0	0	0	-440	0	0	0		0 0
0	87 Primary and Final Tank Upgrades	01/01/201812/31/2018	42	0	0	3	0	39	0	0	0		0 0
0	88 WORK AREA 1 REHAB - 2018 SC	01/01/2018 12/31/2018	-10	0	0	0	0	-10	0	0	0		0 0
		Project Sub-total:	37,097	0	0	1,415	0	35,682	0	0	0		0 0
<u>o</u> <u>v</u>	AS907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLIN	<u>G</u>											
0	3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2014 12/31/2024	3,005	0	0	242	0	2,763	0	0	0		0 0
0	4 DIGESTERS 9-12 REFURBISH	01/01/2011 12/31/2023	3,373	0	0	271	0	3,102	0	0	0		0 0
0	8 BIOSOLIDS PELLETIZER RETROFIT	01/01/201312/31/2019	400	0	0	0	0	400	0	0	0		0 0
0	22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	N01/01/2016 12/31/2023	20,000	0	0	1,610	0	18,390	0	0	0		0 0
0	25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/2014 12/31/2019	937	0	0	0	0	937	0	0	0		0 0
0	49 DIGESTERS 9-12 REFURBISH-2018 SC	01/01/201812/31/2022	3,977	0	0	321	0	3,656	0	0	0		0 0
0	50 WASTE ACTIVATED SLUDGE UPGRADE - ENG-2018 SC	01/01/201812/31/2025	-1,073	0	0	-87	0	-986	0	0	0		0 0
0	51 WASTE ACTIVATED SLUDGE UPGRADE - CONST-2018 S	C 01/01/201812/31/2023	-14,677	0	0	-1,182	0	-13,495	0	0	0		0 0
0	54 PELLETIZER TRUCK LOADING FACILITY UPGRADES-201	8 01/01/2018 12/31/2019	-347	0	0	0	0	-347	0	0	0		0 0
		Project Sub-total:	15,595	0	0	1,175	0	14,420	0	0	0		0 0
<u>o</u> <u>v</u>	ASHBRIDGES BAY WWTP - O&M UPGRADES												
0	5 BOILER #4 DESIGN	01/01/201012/31/2019	11	0	0	0	0	11	0	0	0		0 0
0	6 MESI UPGRADES	01/01/2012 12/31/2019	3,432	0	0	0	0	3,432	0	0	0		0 0
0	7 MISC MECH REHAB	01/01/201012/31/2018	6,256	0	0	0	0	6,256	0	0	0		0 0
0	36 MISC MECH REHAB - 2018 SC	01/01/201812/31/2019	-1,856	0	0	0	0	-1,856	0	0	0		0 0
0	37 MESI UPGRADES - 2018 SC	01/01/201812/31/2020	-563	0	0	0	0	-563	0	0	0		0 0
		Project Sub-total:	7,280	0	0	0	0	7,280	0	0	0		0 0
<u>o</u> <u>v</u>	AS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL												
0	6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/201212/31/2019	5,434	0	0	437	0	4,997	0	0	0		0 0



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Project/F	Financing		2018					Financing					·	
Priority Project Name		Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
0 WA	S907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL													
0	13 D BUILDING TREATMENT & BIOFILTER	01/01/2009 12/31/2018	220	0	0	18	0	202	0	0	0		0 0	
0	40 BIOFILTERS UPGRADE & REPLACEMENT-2018 SC	01/01/201812/31/202	-134	0	0	-10	0	-124	0	0	0		0 0	
0	41 D BUILDING TREATMENT & BIOFILTER-2018 SC	01/01/2018 12/31/2019	-110	0	0	-9	0	-101	0	0	0		0 0	
		Project Sub-total:	5,410	0	0	436	0	4,974	0	0	0		0 0	
<u>0 WA</u>	S907104 HUMBER WWTP - LIQUID TREATMENT & HANDLING	i												
0	2 SECONDARY TREATMENT UPGRADES - SOUTH - ENGIN	NEI01/01/2009 12/31/2025	7,576	0	0	610	0	6,966	0	0	0		0 0	
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/2015 12/31/2022	46,555	0	0	3,749	0	42,806	0	0	0		0 0	
0	26 SECONDARY TREATMENT UPGRADES - SOUTH - ENG-2	20101/01/201812/31/2027	-4,566	0	0	-368	0	-4,198	0	0	0		0 0	
0	27 SECONDARY TREATMENT UPGRADES -SOUTH-CONS-2	20101/01/201812/31/2024	-23,555	0	0	-1,897	0	-21,658	0	0	0		0 0	
		Project Sub-total:	26,010	0	0	2,094	0	23,916	0	0	0		0 0	
0 WA	S907105 HUMBER WWTP - O&M UPGRADES													
0	1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008 12/31/2019	1,050	0	0	0	0	1,050	0	0	0		0 0	
0	2 LIQUID STREAM UPGRADES	01/01/201012/31/2018	5	0	0	0	0	5	0	0	0		0 0	
0	33 GAS COMPRESSOR SYSTEM UPGRADES - 2018 SC	01/01/2018 12/31/2019	-99	0	0	0	0	-99	0	0	0		0 0	
		Project Sub-total:	956	0	0	0	0	956	0	0	0		0 0	
0 WA	.S907106 HUMBER WWTP - ODOUR CONTROL													
0	1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/2013 12/31/2018	3,986	0	0	321	0	3,665	0	0	0		0 0	
0	14 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2018 S	C 01/01/201812/31/2019	-1,004	0	0	-81	0	-923	0	0	0		0 0	
		Project Sub-total:	2,982	0	0	240	0	2,742	0	0	0		0 0	
0 WA	.S907224 SEWAGE PUMPING STATION UPGRADES	•												
0	1 SPS UPGRADES	01/01/2011 12/31/2019	4,768	0	0	384	0	4,384	0	0	0		0 0	
0	18 SPS UPGRADES - GROUP 6	01/01/2016 12/31/2024	400	0	0	32	0	368	0	0	0		0 0	
0	26 SPS UPGRADES - GROUP 7	01/01/202012/31/2027	175	0	0	14	0	161	0	0	0		0 0	
0	33 SPS UPGRADES - 2018 SC	01/01/2018 12/31/2020	-1,766	0	0	-142	0	-1,624	0	0	0		0 0	
0	34 FACILITY & PROCESS UPGRADES	01/01/201812/31/2022	100	0	0	0	0	100	0	0	0		0 0	
0	35 SCOTT ST PS & SIMCOE ST PS	01/01/2018 12/31/2024	100	0	0	8	0	92	0	0	0		0 0	
		Project Sub-total:	3,777	0	0	296	0	3,481	0	0	0		0 0	
0 WA	S907559 DON & WATERFRONT TRUNK CSO													
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2013 12/31/2024	5,671	0	0	456	0	5,215	0	0	0		0 0	
0	15 DCW - PHASE 1 - ADDITIONAL SCOPE	01/01/201812/31/2019	6,800	0	0	547	0	6,253	0	0	0		0 0	
0	17 DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESI	_IE 01/01/2016 12/31/2023	500	0	0	40	0	460	0	0	0		0 0	
0	18 Don & Waterfront Trunk/CSO Construction - PHASE 1	01/01/201812/31/2024	17,500	0	0	1,408	0	16,092	0	0	0		0 0	



CITY OF TORONTO

Appendix 5: 2018 Recommended Capital Budget with Financing Detail

Wastewater Program Sub-Project Summary

Project/F	inancing	į	2018 Financing										
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</u> WA	S907559 DON & WATERFRONT TRUNK CSO												
0	22 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN-201	8 \$01/01/201812/31/2019	-1,247	0	0	-100	0	-1,147	0	0	0		0 0
		Project Sub-total:	29,224	0	0	2,351	0	26,873	0	0	0		0 0
<u>0</u> WA	S907700 NORTH TORONTO WTP UPGRADES	ĺ											
0	2 NTTP - ELECTRICAL UPGRADES - ECAR	01/01/201212/31/2020	1,754	0	0	0	0	1,754	0	0	0		0 0
0	10 OPS INTERFACE NTTP	01/01/2016 12/31/2018	300	0	0	0	0	300	0	0	0		0 0
0	11 NTTP - PROCESS IMPROVEMENTS	01/01/2016 12/31/2021	4,496	0	0	0	0	4,496	0	0	0		0 0
0	13 NTTP - ELECTRICAL UPGRADES - ECAR - 2018 SC	01/01/201812/31/2022	-594	0	0	0	0	-594	0	0	0		0 0
0	14 NTTP - PROCESS IMPROVEMENTS - 2018 SC	01/01/201812/31/2022	-3,496	0	0	0	0	-3,496	0	0	0		0 0
		Project Sub-total:	2,460	0	0	0	0	2,460	0	0	0		0 0
0 WA	S908143 Georgetown South City Infrastructure Upgrades	ĺ											
0	1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRA	AD 01/01/2015 12/31/2019	6,132	0	0	36	0	6,096	0	0	0		0 0
0	8 GEORGETOWN SOUTH CITY INFRASTR UPGRADES - 20	01{01/01/201812/31/2019	-1,017	0	0	376	0	-1,393	0	0	0		0 0
		Project Sub-total:	5,115	0	0	412	0	4,703	0	0	0		0 0
0 WA	SWP003 EMERY CREEK POND	İ											
0	1 EMERY CREEK POND	01/01/2005 12/31/2020	544	0	0	44	0	500	0	0	0		0 0
0	16 EMERY CREEK POND-2018 SC	01/01/2018 12/31/2020	-50	0	0	-4	0	-46	0	0	0		0 0
		Project Sub-total:	494	0	0	40	0	454	0	0	0		0 0
0 WA	SWP050 EQUIPMENT REPLACEMENT & REHABILITATION	ĺ											
0	78 EQUIPMENT REPLACEMENT	01/01/201212/31/2020	9,032	0	0	0	0	9,032	0	0	0		0 0
0	135 EQUIPMENT REPLACEMENT - 2018 SC	01/01/2018 12/31/2023	-3,327	0	0	0	0	-3,327	0	0	0		0 0
0	136 ABTP - DIG. TANKS #1-8 MODS.	01/01/2018 12/31/2018	1	0	0	0	0	1	0	0	0		0 0
		Project Sub-total:	5,706	0	0	0	0	5,706	0	0	0		0 0
		j											
Program	n Total:	<u> </u>	576,796	0	0	23,194	0	553,602	0	0	0		0 0

Status Code Description

S2 S2 Prior Year (With 2018 and\or Future Year Cashflow)

S3 Prior Year - Change of Scope 2018 and\or Future Year Cost\Cashflow) S3

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

S5 New (On-going or Phased Projects)

Category Code Description

Health and Safety C01

02 Legislated C02

03 State of Good Repair C03

Service Improvement and Enhancement C04 05 Growth Related C05

Reserved Category 1 C06 06 07

Reserved Category 2 C07

2018 Capital Budget Toronto Water

Appendix 6 Reserve / Reserve Fund Review

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

Tak	ole 1		Proposed Withdrawals										
Reserve / Reserve Fund Name	Project / SubProject Name	Projected Balance as at Dec. 31, 2017*	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total Contributions / Withdrawals
	Beginning Balance	\$89,563	\$47,488	\$54,826	\$36,496	\$24,027	\$14,833	\$10,758	\$7,531	\$6,865	\$3,132	\$1,543	
Water DC Reserve Fund	HORGAN W.T.P. EXPANSION	700,000	(\$3)	Ţ0.,020	400,.00	7 - 1,0 - 1	(\$13)		4.700	7 0,000	70,202	7 - 70 . 0	(\$16)
	WATER STORAGE EXPANSION		(\$15)				(4.0)						(\$15)
XR2111 DC - Water (2009)	WATER EFFICIENCY PROGRAM		(\$445)	(\$445)	(\$445)	(\$445)	(\$445)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$4,825)
	AVENUE ROAD TRUNKMAIN REPLACEMENT		(4)	(4.12)	(\$1.10)	(4:10)	(4 : 12)	(40=0)	(44=4)	(44=4)	(40-0)	(4422)	(+ -//
	HORGAN TRUNK MAIN EXPANSION		(\$152)	(\$380)	(\$1,176)	(\$6,717)	(\$6,718)	(\$6,718)	(\$3,302)	(\$93)	(\$13)		(\$25,269)
	ISLAND W.T.P. R&R		(\$167)	(\$91)	(\$912)	(\$1,094)	(\$450)						(\$2,714)
	DISTRICT WATERMAINS - NEW		(\$10)	(\$50)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$4,060)
	PW ENGINEERING		(\$794)	(\$1,333)	(\$782)	(\$558)	(\$669)	(\$699)	(\$538)	(\$244)	(\$119)	(\$119)	(\$5,855)
	DOWNTOWN W/M ENHANCEMENT		(\$1)										(\$1)
	TRUNK WATERMAIN EXPANSION		(\$3,074)	(\$9,437)	(\$9,394)	(\$1,167)							(\$23,072)
	WATER SUSTAINABILITY PROGRAM		(\$656)	(\$605)	(\$209)	(\$2)	(\$1)						(\$1,473)
	RL CLARK W.T.P. R&R		(\$512)	(\$553)	(\$260)	(\$4)	(\$2)						(\$1,331)
	DIST W/M REPLACEMENT		(\$11,942)	(\$30,414)	(\$23,097)	(\$22,704)	(\$20,220)	(\$20,221)	(\$20,221)	(\$20,532)	(\$20,532)	(\$20,532)	(\$210,415)
	ISLAND W.T.P. R&R												
	D2/D4 TRUNK WATERMAIN UPGRADES						(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)	(\$27,415)
	BAYVIEW TRUNK WATERMAIN - PH2												
	REGENT PARK CAPITAL CONTRIBUTION		(\$784)	(\$911)	(\$1,416)	(\$830)	(\$51)	(\$71)	(\$40)				(\$4,103)
	TRANSMISSION R&R		(\$57)	(\$53)		(\$380)	(\$759)	(\$1,139)	,,,,,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	WT&S PLANTWIDE		(\$53)	(\$411)	(\$805)	(\$1,588)	(\$1,062)	(\$568)	(\$899)	(\$545)	(\$622)	(\$203)	(\$6,756)
	Total Proposed Withdrawals	(\$67,654)	(\$18,665)	(\$44,683)	(\$38,996)	(\$35,989)	(\$31,034)	(\$30,725)	(\$28,714)	(\$32,342)	(\$30,771)	(\$27,789)	(\$319,708)
	Projected Contributions	\$25,579	\$26,003	\$26,353	\$26,527	\$26,795	\$26,959	\$27,498	\$28,048	\$28,609	\$29,182	\$29,765	\$275,739
TOTAL RESERVE FUND BALAN	CE AT YEAR-END	\$47,488	\$54,826	\$36,496	\$24,027	\$14,833	\$10,758	\$7,531	\$6,865	\$3,132	\$1,543	\$3,519	

^{*}Based on the 2017 Q2 Variance Report

2018 Capital Budget Toronto Water

Appendix 6 Reserve / Reserve Fund Review - Continued

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

Ta	ble 2						Pr	oposed Withdr	awals				
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Projected Balance as at Dec. 31, 2017*	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total Contributions / Withdrawals
	Beginning Balance	\$71,499	\$51,545	\$50,619	\$33,089	\$15,087	\$94	\$5	\$431	\$193	\$78	\$366	
Sanitary Sewer DC Reserve	ASHBRIDGES BAY WWTP												
Fund	REHAB		(\$1,243)	(\$885)	(\$24)	(\$4)							(\$2,156)
	TRUNK SEWER SYSTEM			(\$778)	(\$1,867)	(\$3,800)		(\$7,000)	(\$10,300)	(\$6,400)	(\$6,500)	(\$6,500)	(\$43,145)
XR2026 DC - Sewer (2004)	HIGHLAND CREEK WWTP -												
	ODOUR CONTROL		(\$531)	(\$530)	(\$428)	(\$5)	(\$4)	(\$34)	(\$80)	(\$523)	(\$909)	(\$849)	(\$3,893)
VP2442 DC 5 (2000)	ASHBRIDGES BAY T.P III		(00)										(00)
XR2112 DC - Sewer (2009)	YR2004		(\$2)										(\$2)
	HUMBER T.P II YR2004		(2)		(2	(2)	(0	(2)	(0)	(0)		(2)	
	SEWER ASSET PLANNING		(\$538)	(\$867)	(\$785)	(\$765)	(\$805)	(\$563)	(\$563)	(\$563)	(\$563)	(\$563)	(\$6,575)
	NEW SEWER CONSTRUCTION		(\$1,631)	(\$4,039)	(\$5,633)	(\$6,372)	(\$2,547)	(\$622)	(\$3,122)	(\$4,622)	(\$4,622)	(\$3,872)	(\$37,082)
	DIST SEWER REHAB OPS		(04)	(80)	(00)								(00)
	YR2005		(\$1)	(\$3)	(\$2)								(\$6)
	HIGHLAND CREEK TP YR2005												
	ASHRIDGES BAY TP YR2005		(\$40)	(\$53)	(\$6)								(\$99)
	SEWER SYSTEM REHABILITATION		(\$386)	(\$554)	(\$363)	(80)							(04 000)
	SEWER REPLACEMENT		(\$386)	(\$554)	(\$363)	(\$6)							(\$1,309)
	PROGRAM		(\$1,120)	(\$2,284)	(\$1,636)	(\$1,418)	(\$1,209)	(\$1,207)	(\$1,207)	(\$1,207)	(\$1,207)	(\$1,207)	(\$13,702)
	ASHBRIDGES BAY T.P. YR2006		(\$1,120)	(\$8)	(ψ1,030)	(ψ1,410)	(\$1,203)	(\$1,207)	(ψ1,201)	(ψ1,201)	(ψ1,201)	(ψ1,201)	(\$8)
	HIGHLAND CREEK WWTP			(40)									(90)
	UPGRADES		(\$74)	(\$34)	(\$67)	(\$40)							(\$215)
	HIGHLAND CREEK WWTP -		(ψ, ι)	(401)	(40.7)	(\$10)							(\$2.0)
	SOLIDS & GAS HANDLING		(\$242)	(\$207)	(\$482)	(\$2,189)	(\$2,173)	(\$2,173)	(\$1,368)	(\$660)	(\$650)	(\$8)	(\$10,152)
	ASHBRIDGES BAY WWTP -												
	EFFLUENT SYSTEM		(\$4,732)	(\$8,918)	(\$10,426)	(\$8,972)	(\$8,531)	(\$4,440)	(\$3,036)	(\$2,872)	(\$5)		(\$51,932)
	ASHBRIDGES BAY WWTP -												
	LIQUID TREATMENT & HANDLING		(\$1,415)	(\$453)					(\$129)	(\$1,530)	(\$3,865)	(\$5,474)	(\$12,866)
	ASHBRIDGES BAY WWTP -												
	SOLIDS & GAS HANDLING		(\$1,175)	(\$4,304)	(\$3,885)	(\$3,540)	(\$2,576)	(\$1,656)	(\$8)	(\$16)			(\$17,160)
	ASHBRIDGES BAY WWTP -												
	ODOUR CONTROL		(\$436)	(\$136)	(\$68)	(\$6)							(\$646)
	HUMBER WWTP - LIQUID		(0			(22 1)	(2	(8		(00)	(********	(
	TREATMENT & HANDLING		(\$2,094)	(\$2,118)	(\$2,198)	(\$2,774)	(\$1,309)	(\$1,923)	(\$1,220)	(\$2,588)	(\$2,831)	(\$3,358)	(\$22,413)
	HUMBER WWTP - O&M UPGRADES			(\$31)								l	(\$31)
	HUMBER WWTP - ODOUR			(\$31)								l	(\$31)
	CONTROL		(\$240)	(\$80)								l	(\$320)
	SEWAGE PUMPING STATION		(WE 40)	(400)				l		1		1	(\$320)
	UPGRADES		(\$296)	(\$476)	(\$759)	(\$953)	(\$913)	(\$652)	(\$348)	(\$700)	(\$557)	(\$503)	(\$6,157)
	DON & WATERFRONT TRUNK		(4250)	(\$110)	(\$.00)	(+300)	(\$3.0)	(+302)	(\$10)	(4.00)	(+301)	(\$300)	(+2,107)
	CSO											l	
	LAWRENCE ALLAN							İ		i i		İ	
	REVITALIZATION PLAN		(\$3,920)	(\$10,225)	(\$9,367)	(\$4,315)	(\$210)	<u> </u>			ļ		(\$28,037)
	Land Acquisition for Source												
	Water Protect				(\$2)	(\$32)	(\$134)	(\$33)					(\$201)
	Georgetown South City											l	
1	Infrastructure Upgrades		(\$412)	(\$412)									(\$824)
	L												
	Total Proposed Withdrawals	(\$39,236)	(\$20,528)	(\$37,395)	(\$37,998)	(\$35,191)	(\$20,411)	(\$20,303)	(\$21,381)	(\$21,681)	(\$21,709)	(\$22,334)	(\$258,931)
	Projected Contributions	\$19,282	\$19,602	\$19,865	\$19,996	\$20,198	\$20,322	\$20,729	\$21,143	\$21,566	\$21,997	\$22,437	\$207,855
TOTAL RESERVE FUND BALAN	ICE AT YEAR-END	\$51,545	\$50,619	\$33,089	\$15,087	\$94	\$5	\$431	\$193	\$78	\$366	\$469	

^{*} Based on the 2017 Q2 Variance Report

Та	Table 3						Pr	oposed Withdr	awals				
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Projected Balance as at Dec. 31, 2017*	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total Contributions , Withdrawals
	Beginning Balance	\$16,845	\$18,733	\$13,101	\$6,744	\$1,793	\$50	\$250	\$21	\$456	\$365	\$951	
Storm Water Management	SWM END OF PIPE FACILITIES		(\$86)	(\$261)	(\$808)	(\$734)	(\$14)		(\$93)	(\$322)	(\$773)	(\$2,672)	(\$5,763
DC Reserve Fund	WET WEATHER FLOW MP		(\$476)	(\$378)	(\$234)	(\$109)	(\$20)	(\$8)	(\$8)	(\$7)			(\$1,240
	WESTERN BEACHES RETROFIT		(\$510)	(\$427)	(\$513)	(\$1)	(\$7)						(\$1,458
XR2113 DC - SWM (2009)	STREAM RESTORATION & EROSION CONTROL		(\$370)	(\$567)	(\$461)	(\$339)	(\$156)	(\$98)	(\$38)	(\$15)	(\$9)	(\$6)	(\$2,059
XR2404 DC - SWM (2004)	SWM TRCA FUNDING		(\$353)										(\$353
	Land Acquisition for Source Water Protect		(\$776)	(\$64)									(\$840
	WATERFRONT STROMWATER INFRASTRUCTURE												
	DON & WATERFRONT TRUNK CSO		(\$2,351)	(\$7,604)	(\$8,262)	(\$5,948)	(\$5,025)	(\$5,653)	(\$5,067)	(\$5,500)	(\$4,500)	(\$4,000)	(\$53,910
	SEWER REPLACEMENT PROGRAM		(\$1,624)	(\$1,062)									(\$2,686
	EMERY CREEK POND		(\$40)	(\$44)	(\$8)								(\$92
	Total Proposed Withdrawals	(\$3,256)	(\$6,586)	(\$10,407)	(\$10,286)	(\$7,131)	(\$5,222)	(\$5,759)	(\$5,206)	(\$5,844)	(\$5,282)		
	Projected Contributions	\$5,144	\$5,229	\$5,300	\$5,335	\$5,388	\$5,422	\$5,530	\$5,641	\$5,753	\$5,868	\$5,986	\$55,45
	Other Program / Agency Net (Withdrawls) and												
TOTAL RESERVE FUND BALAN	Contributions	\$18,733	(\$4,275) \$13,101	(\$1,250) \$6.744	\$1,793	\$50	\$250	\$21	\$456	\$365	\$951	\$259	(\$5,525

^{*} Based on the 2017 Q2 Variance Report