

CAPITAL BUDGET NOTES



Toronto Water

2016 – 2025 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 3.4 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 \$28.363 billion. Toronto Water maintains two categories of capital assets, linear infrastructure, such as distribution (5,524 km) and transmission (550 km) watermains, sanitary (3,716 km), combined (1,411 km) and storm (4,962 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment plants (4), water (18) and wastewater pumping stations (84), reservoirs, storage and detention tanks.

State of Good Repair (SOGR) projects remain a priority given the significant backlog in infrastructure renewal, with considerable funding also included in the 2016-2025 Recommended Capital Budget and Plan for investments in Basement Flooding Protection and Wet Weather Flow Master Plan projects.

П	gniignts	
Ov	verview & Recommendations	
l: 1	LO-Year Rec'd Capital Plan	6
II:	2016 Rec'd Capital Budget	21
III:	Issues for Discussion	26
Αp	pendices:	
1.	2015 Performance	33
2.	10-Year Recommended Capital Plan Summary	35
3.	2016 Rec'd Capital Budget; 2017 2025 Rec'd Capital Plan	7- 37
4.	2016 Recommended Cash Flow & Future Year Commitments	38
5.	2016 Recommended Capital Projects with Financing Detail	39
6.	2016 Reserve / Reserve Fund	40

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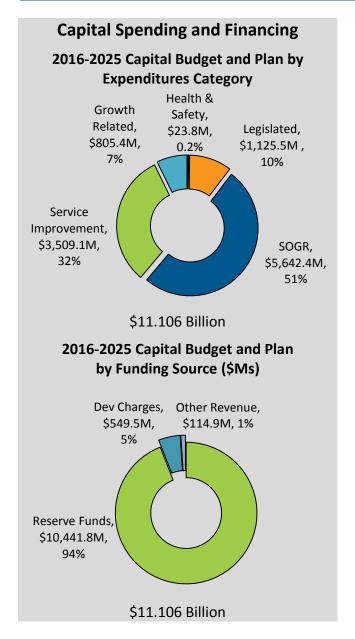
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Where does the money go?

The 2016–2025 Recommended Capital Budget and Plan totalling \$11.106 billion provides funding for:

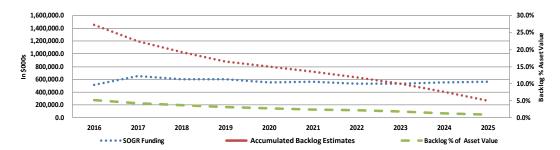
- Approximately \$6.787 billion or 61% of total funding for on-going state of good repair projects (including health and safety) for linear infrastructure and treatment facilities that are the primary focus of the 10-Year Recommended Capital Plan.
- The remaining funding of \$4.319 billion or 39% of total funding is for Service Improvement and Growth Related projects. The most significant undertakings are the Basement Flooding Protection Program to reduce the risk of future flooding from extreme storm events (\$1.638 billion) and Wet Weather Flow Master Plan to improve water quality and city's environments (\$1.139 billion).

Where does the money come from?

- The 10-Year Recommended Capital Plan is funded primarily from the Program's capital reserves, which account for approximately 94% of financing sources or \$10.442 billion.
 - Over the 10-year planning horizon, Toronto Water continues to be 100% self-sustaining requiring no debenture financing and having no impact on the municipal property tax levy.
- Other sources of funding, such as development charges for growth related projects and capital cost sharing with York Region represent the remaining 6% or \$664.4 million of total capital financing.

State of Good Repair Backlog

The 10-Year Recommended Capital Plan includes cash flow funding of \$5.638 billion for State of Good Repair projects to address the backlog. The SOGR backlog is \$1.623 billion and, as a % of asset replacement value, will decrease from 5.1% in 2016 to 0.8% in 2025, virtually eliminating the Program's backlog.



Key Issues & Priority Actions

Aging Infrastructure – Aging infrastructure that has an accumulated state of good repair backlog estimated at \$1.623 billion that, particularly for linear infrastructure, can result in service interruption.

✓ The 10-Year Capital Plan funding of \$5.638 billion for SOGR will reduce accumulated backlog to \$261.328 million by 2025.

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 \$238.3 million for the design and construction of a new effluent disinfection system at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.

Stormwater Management and Resiliency - Considerable investment is required to manage basement flooding and other stormwater issues across the City which are caused by more frequent severe storms. The stormwater management program's portion is projected to grow from 18% of the total capital program in 2015 to 40% in 2025.

✓ The 10-Year Capital Plan includes an added \$230.699 million for Basement Flooding and Wet Weather Flow projects that will improve the City's resiliency to extreme weather events.

Long-term Financial Sustainability - The 10-Year Capital Plan relies primarily on successive water rate increases of 8% in 2016, 5% in years 2017 and 2018 and 3% thereafter.

✓ In addition to recommended water rate increases, a report entitled "Funding Options for Paying the Toronto Water Capital Program" will be presented for consideration with the 2016 Recommended Operating Budget and 2016-2025 Recommended Capital Budget and Plan concurrently to support Toronto Water's financial sustainability for stormwater management projects.

2016 Capital Budget Highlights

The 2016 Recommended Capital Budget for Toronto Water of \$800.283 million, excluding carry forward funding, will:

- Continue state of good repair projects to address infrastructure renewal such as Watermain Replacement and Rehabilitation (\$115.818 million), Sewer System Replacement and Rehabilitation (\$75.442 million) and Trunk Sewer and Pumping Station projects (\$34.185 million).
- Continue Basement Flooding Protection projects (\$67.754 million), implementation of the Wet Weather Flow Master Plan (\$32.374 million), and Erosion Control projects (\$10.364 million).
- Continue to provide funding for the TRCA erosion control projects including critical erosion sites (\$11.171 million).









Recommendations

The City Manager and Chief Financial Officer recommend that:

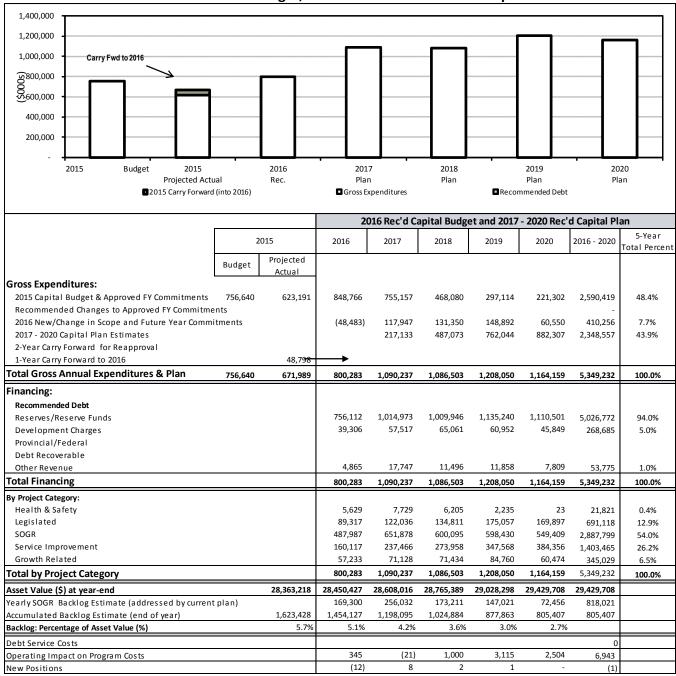
- 1. City Council approve the 2016 Recommended Capital Budget for Toronto Water with a total project cost of \$738.789 million, and 2016 cash flow of \$849.081 million and future year commitments of \$2.921 billion comprised of the following:
 - a) New Cash Flow Funds for:
 - i. 316 new / change in scope sub-projects with a 2016 total project cost of \$738.789 million that requires a cash flow reduction of \$48.483 million in 2016 and future year cash flow commitments of \$117.947 million for 2017; \$131.350 million for 2018; \$148.892 million for 2019; \$60.550 million for 2020; \$59.582 million for 2021; \$91.862 million for 2022; \$52.813 million for 2023; \$68.646 million for 2024; and \$55.630 million for 2025;
 - ii. 250 previously approved sub-projects with a 2016 cash flow of \$848.766 million; and future year cash flow commitments of \$755.157 million for 2017; \$468.080 million for 2018; \$297.114 million for 2019; \$221.302 million for 2020; \$185.393 million for 2021; \$86.507 million for 2022; \$80.520 million for 2023; and \$39.930 million for 2024;
 - b) 2015 approved cash flow for 44 previously approved sub-projects with carry forward funding from 2015 into 2016 totalling \$48.798 million.
- 2. City Council approve the 2017 2025 Recommended Capital Plan for Toronto Water totalling \$7.385 billion in project estimates, comprised of \$217.133 million in 2017; \$487.073 million for 2018; \$762.044 million for 2019; \$882.307 million for 2020; \$944.915 million for 2021; \$928.595 million for 2022; \$981.637 million for 2023; \$1.021 billion for 2024; and \$1.160 billion in 2025.
- 3. City Council consider the operating costs/ (savings) of \$0.333 million net in 2016; (\$0.021 million) net in 2017; \$1.0 million net in 2018; \$3.115 million net in 2019; \$2.504 million net in 2020; \$0.338 million in 2021; and \$0.228 million in 2022, resulting from the approval of the 2016 Recommended Capital Budget for inclusion in the 2016 and future year operating budgets.
- 4. City Council approve 4 new temporary capital positions for the delivery of 2016 capital projects and that the duration for each temporary position not exceed the life and funding of its respective projects / sub-projects.
- 5. City Council request the Deputy City Manager and Chief Financial Officer in consultation with the General Manager, Toronto Water to advance the 2017 cashflow for the Basement Flooding projects into 2016, should it become evident that greater than planned volume of work can be completed, and that the 2017–2025 budgeted cash flows be adjusted accordingly as part of the 2017 Budget process.
- 6. This report be considered concurrently with the 2016 Water and Wastewater Rate Report from the Deputy City Manager and Chief Financial Officer and General Manager for Toronto Water.

Part I:

10-Year Capital Plan

10 Year Capital Plan

Table 1a
2016 Recommended Budget, 2017-2020 Recommended Capital Plan



1,400,000 1,200,000 1,000,000 (\$000,000 600,000 400,000 200,000 0 2021 Plan 2022 Plan 2023 Plan 2024 Plan 2025 Plan ■ Gross Expenditures ■ Recommended Debt 2021 - 2025 Rec'd Capital Plan 10-Year 2021 2022 2023 2024 2025 2016 - 2025 Total Percent **Gross Expenditures:** 2015 Capital Budget & Approved FY Commitments 185,393 86,507 80,520 39,930 2,982,769 26.9% Recommended Changes to Approved FY Commitments 2016 New/Change in Scope and Future Year Commitments 59,582 91,862 52,813 55,630 738,789 6.7% 68.646 2021 - 2025 Capital Plan Estimates 944,915 928,595 981,637 1,021,259 1,159,757 7,384,720 66.5% Total Gross Annual Expenditures & Plan 1,189,890 1,106,964 1,114,970 1,129,835 1,215,387 11,106,278 100.0% Financing: Recommended Debt 94.0% Reserves/Reserve Funds 1.129.405 1.047.923 1.046.507 1.054.408 1.136.815 10.441.830 **Development Charges** 53,761 51,094 59,563 549,500 5.0% 55,259 61,138 Provincial/Federal Debt Recoverable Other Revenue 6,724 7,947 13,204 15,864 17,434 114,948 1.0% Total Financing 1,189,890 1,106,964 1,114,970 1,129,835 1,215,387 11,106,278 100.0% By Project Category: Health & Safety 423 400 400 400 400 23,844 0.2% Legislated 145,773 117,175 83,390 48,304 39,735 1,125,495 10.1% 536,794 551,006 50.8% SOGR 561.090 536.045 564.807 5.637.541 Service Improvement 398,591 363,593 403,593 429,544 515,182 3,513,968 31.6% 805,430 84.013 90.793 100.581 Growth Related 89.751 95.263 7 2% Total by Project Category 1,189,890 1,106,964 1,114,970 1,129,835 1,215,387 11,106,278 100.0% 31,486,693 32,189,261 Asset Value(\$) at year-end 29,770,126 30,424,371 31,697,099 32,189,261 Yearly SOGR Backlog Estimate (addressed by current plan) 87,986 81,241 103,555 125,067 146,231 1,362,100 Accumulated Backlog Estimate (end of year) 717,422 636,181 532,626 407,559 261,328 261,328 2.4% 2.1% 1.7% 1.3% 0.8% Backlog: Percentage of Asset Value (%) Debt Service Costs 0 338 288 7,568 Operating Impact on Program Costs 1 **New Positions**

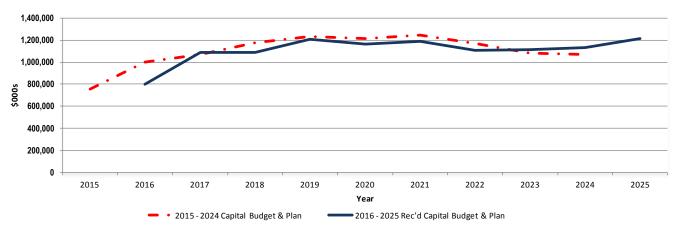
Table 1b 2021 - 2025 Recommended Capital Plan

Key Changes to the 2015 - 2024 Approved Capital Plan

The 2016 Recommended Capital Budget and the 2017 - 2025 Recommended Capital Plan reflects an increase of \$94.809 million in capital funding from the 2015 - 2024 Approved Capital Plan.

The table and chart below provide a breakdown of the \$94.809 million or 0.9% increase in the Capital Program on an annual basis from 2015 to 2025.

Chart 1
Changes to the 2015 -2024 Approved Capital Plan (In \$000s)



(\$000s)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
2015 - 2024 Capital Budget & Plan	756,640	1,001,027	1,067,880	1,175,867	1,234,304	1,211,437	1,245,351	1,168,485	1,079,178	1,071,300	
2016 - 2025 Rec'd Capital Budget & Plan		800,283	1,090,237	1,086,503	1,208,050	1,164,159	1,189,890	1,106,964	1,114,970	1,129,835	1,215,387
Change %		(20.1%)	2.1%	(7.6%)	(2.1%)	(3.9%)	(4.5%)	(5.3%)	3.3%	5.5%	
Change \$		(200,744)	22,357	(89,364)	(26,254)	(47,278)	(55,461)	(61,521)	35,792	58,535	

_	
	10-Year
	Total
	11,011,469
7	11,106,278
	0.9%
	94,809

As made evident in the chart above, the \$94.809 million increase in the Capital Program reflects the deferral of approximately \$481 million in various capital projects to the outer years of the 10-Year Capital Plan.

As reflected in Table 2 on the following page, changes to the 2015 – 2024 Approved Capital Plan, specifically the recommended \$363.938 million decrease in capital funding over the nine common years of the Capital Plans (2016 - 2024) arise from the reprioritization of Toronto Water's capital projects based on the following factors:

- Currently, there appears to be a limited capacity of the construction industry to deliver projects
 across the City, resulting in higher unit rates for linear structure replacement projects. In order to
 accommodate escalating construction prices, Toronto Water had to re-assess the priority and
 renewal strategy of projects.
- The continuing downward trend in water consumption over the last decade, in spite of population growth, has resulted in project deferrals in order to align the 10-Year Capital Program with available funding as calculated by the Water and Wastewater Rate Model, and to ensure positive reserve balances during major capital spending years.
- Changes have also been made based on updated schedules for coordinated and sequenced delivery
 of the projects requiring large capital funding, as well as new condition assessments; and

The need to realign Toronto Water 2016 Capital Budget with historical spending rates.

A summary of project changes for the years 2016 to 2024 totalling \$363.938 million are provided in Table 2 below:

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

\$000s	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2016 -	2024 Total
2015 - 2024 Capital Budget & Plan	756,640	1,001,027	1,067,880	1,175,867	1,234,304	1,211,437	1,245,351	1,168,485	1,079,178	1,071,300			10,254,829
2016 - 2025 Rec'd Capital Budget & Plan		800.283	1.090,237	1.086.503	1,208,050	1,164,159	1.189.890	1.106.964	1.114.970	1.129.835	1.215.387		9,890,891
Capital Budget & Plan Changes (2016 - 2024)		(200,744)	22,357	(89,364)	(26,254)	(47,278)	(55,461)	(61,521)	35,792	58,535			(363,938
	•			, , , , , , ,			, , , , ,				•		1
	Total Bushas												Revised
	Total Project Cost	2016	2017	2018	2019	2020	2021	2022	2023	2024	2016 - 2024	2025	Total
Previously Approved													Project Cos
Water Treatment & Supply													
FJ Horgan Water Treatment Plant	223,728	(8,058)	(462)	(647)	(67)	13	20	9	2	2	(9,188)	200	214,740
Island Water Treatment Plant		(2.538)	7.141	8.056	(3.788)	1.860	1.570	10	10		12,321	375	
RC Harris Water Treatment Plant		(6,442)	5,708	(11,802)	(16,727)	(12,800)	(10,300)	9,450	11.000	11,000	(20,913)	12.550	
RL Clark Water Treatment Plant		(1,210)	1,252	(620)	(3,751)	(9,940)	(20,000)	(20,000)	,	,	(54,269)	150	-
Water Treatment Plant - Plantwide		1,700	1,550	6,525	11.645	27.025	21,820	26,905	15.315	22,760	135,245	30,900	
Watermain Rehabilitation (Cleaning & Lining)		(9,112)	(6.175)	(3.020)	(3.175)	(2,383)	(2,902)	(4,263)	(2,885)	(3,270)	(37,185)	70,243	
Watermain Replacement		(18,154)	(1,806)	10,948	(845)	(4,993)	(8,983)	(10,991)	(11,000)	(11,000)	(56,824)	114,000	-
Water Service Replacement		22,756	14.258	12,788	5.759	7.908	7.594	7.269	4.457	4.096	86.885	34,335	
New Service Connections		920	8,548	(12,000)	5,000	5,000	5,000	5.000	5.000	5,000	27,468	28,273	
Transmission Watermains		(20,773)	(23,223)	(18,944)	884	(8,110)	(19,500)	(4,325)	11,500	17,620	(64,871)	17,570	
WT Storage and Treatment		(27,616)	23,252	8,492	8,512	(119)	6,026	325	(8,375)	(8,050)	2,447	24,850	_
Water Meter Program (AMR)	232.155	(22,068)	4.465	2.000	915	545	6,026	323	(8,373)	(8,050)	(14,143)	24,650	218.012
	232,133	(22,008)	4,465	2,000	915	545					(14,143)	520	
Water Efficiency Program		(2,937)	(1.125)	(581)	1.110	5.999	1.479	270	225	290	4.720	2.714	
Business & Technology Improvements			. , . ,	,,,,							4,730		
Sub-Total Water Treatment & Supply	+	(93,532)	33,383	1,195	5,472	10,005	(18,176)	9,659	25,249	38,448	11,703	336,680	
Wastewater Collection & Treatment and Stormwater													
Management													
Ashbridges Bay Wastewater Treatment Plant (ABTP)		(26,607)	(42,555)	(77,009)	(11,049)	22,643	17,494	7,369	(5,922)	28,479	(87,157)	126,990	
Highland Creek Wastewater Treatment Plant (HCTP)		(24,613)	11,976	(9,314)	(1,617)	(9,285)	5,345	5,350	9,950	32,650	20,442	20,100	
Humber Wastewater Treatment Plant (HTP)		(20,453)	6,372	6,969	(870)	(13,377)	2,671	5,475	13,074	450	311	36,425	
Linear Infrastructure Engineering		(11,779)	5,322	7,743	8,132	(3,345)	(4,899)	400	(4,800)	6,400	3,174	71,573	
Sewer System Rehabilitation & Trunk Sewer & Sewage													
Pumping Stations		23,847	22,330	2,687	5,185	(7,532)	(840)	(14,800)	(3,050)	8,050	35,877	121,236	i l
Sewer Replacement Program		(18,659)	(10,788)	(5,208)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(94,655)	45,000	
New Sewer Construction		(4,940)	(8,050)	(7,000)	(6,500)	(13,000)	(5,000)	(5,000)	(5,000)	(5,000)	(59,490)	9,000	
Pumping Stations		(2,249)	1,027	7,650	7,600	(2,100)	1,050	1,100	1,100	3,050	18,228	2,050	
Basement Flooding Relief		(11,579)	(15,020)	(1,061)	3,333	2,109	370				(21,848)	180,194	
Wet Weather Flow Stream Restoration & Implementation		,											
Projects		(10,423)	18,320	(16,015)	(26,088)	(22,895)	(39,024)	(52,820)	23,591	(41,692)	(167,046)	239,399	
Yard & Facility Improvements		243	40	(1)	148	(501)	(4,452)	(8,254)	(8,400)	(2,300)	(23,477)	26,740	
Sub-Total Wastewater Collection & Treatment and													
Stormwater Management		(107,212)	(11,026)	(90,559)	(31,726)	(57,283)	(37,285)	(71,180)	10,543	20,087	(375,641)	878,707	<u> </u>
Total Previously Approved		(200,744)	22,357	(89,364)	(26,254)	(47,278)	(55,461)	(61,521)	35,792	58,535	(363,938)	1,215,387	
New													
N/A													
Total New													

Significant Capital Project Changes in Toronto Water:

Cash flow funding for the following previously approved capital projects has been adjusted based on available funding, capacity and expected progress and completion of the projects, as outlined below:

(200,744) 22,357 (89,364) (26,254) (47,278) (55,461) (61,521) 35,792 58,535 (363,938) 1,215,387

Increases in Previously Approved Projects

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

- The allocation for *Water Treatment Plant projects* has increased by \$63.196 million or 23% from \$277.049 million in capital funding for all water treatment plants during the nine common years of the 2015 2024 Approved Capital Plan.
- The Water Service Replacement project has increased funding of \$86.885 million or 34%, from \$257.629 million.
- Additional funding of \$38.877 million or 5% from \$813.711 is recommended for the Sewer System Rehabilitation, Trunk Sewers & Sewage Pumping Station projects.

- Funding for *New Service Connection projects* has been increased by \$27.648 million or 13% from \$205.217 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 allocation for *Highland Creek Wastewater Treatment Plant (HCTP) projects* has increased by \$20.442 million or 4%, from \$553.692 million.
- Transmission Pumping Stations project costs has increased by \$18.228 million or 20% from \$89.886 million.
- Additional funding of \$12.321 million or 28% from \$44.560 million is necessary for the *Island Treatment Plant*.
- Increased funding totalling \$10.662 has been allocated to a number of other projects including the Business and Technology Improvements, WT Storage and Treatment, Humber River Wastewater Treatment Plant (HTP) projects and Linear Infrastructure Engineering projects.

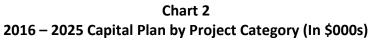
Deferral/ Reductions in Previously Approved Capital Projects:

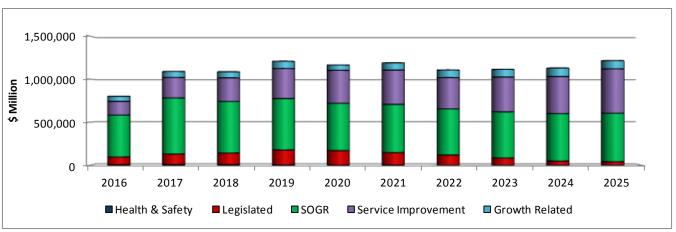
Significant reductions in capital expenditures have been made due to the escalation in unit rate prices for linear infrastructure replacement, as well as the continuing decline in water consumption which has resulted in a need to defer/delay a number of capital projects over the 10 year planning horizon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

- The funding allocation for *R.C. Harris Water Treatment Plant* projects has been deferred or reduced by \$20.913 million or 20% from \$105.272 million in the realignment of program delivery as a result of the recently completed Water Quality Master Plan, in addition the delivery of the Filter Rehabilitation project has been stretched from 5 to 10 years.
- The capital program at *the Ashbridges Bay Wastewater Treatment Plant* has been revised to reflect decreased capital funding of \$87.157 million or 5% from \$1.628 billion due to:
 - > Delay of Odour Control Tanks (7-9) project by 1 year.
 - > Delay of Digester Cleaning ad Fine Bubble Aeration projects by 2 years (carried post 2025).
- Sewer System Replacement costs have been decreased by \$94.655 million or 22% from \$438.015 million in anticipation of rehabilitation opportunities.
- The *Transmission Watermain program* has been reduced by \$64.871 or 26% from \$250.646 million to reflect delays in project implementation including:
 - ➤ Delay of *Victoria Park Watermain* by 2 years.
 - > Delay of Horgan (to Elsemere) Watermain project which will be carried post 2025
- The Wet Weather Flow Stream Restoration and Implementation projects have been reduced by \$167.046 million or 17% from \$1.067 billion due to:
 - ➤ Delays in Scarborough Waterfront and Etobicoke Waterfront projects by 4 years and 1 year respectively.
 - > Delay in the phased implementation of stream restoration projects by 2 years.
 - ➤ Delay of Phase 2 of the *Don River and Central Waterfront Combined Sewer Overflow (CSO)* project implementation by 1 year.

- Watermain Replacement costs have been decreased by \$56.824 million or 6% from 1.027 billion in anticipation of rehabilitation opportunities.
- The funding allocation for R.L. Clark Water Treatment Plant projects has been reduced by \$54.269 million or 5% from \$103.072 million in the realignment of program delivery as a result of the recently completed Water Quality Master Plan.
- The Water Meter Program (AMR) project has been allocated decreased funding of \$14.143 or 6% from \$232.155 million to reflect lower project implementation costs.
- The FJ Horgan Water Treatment Plant project funding has been updated to reflect lower implementation costs of \$9.188 million or 4% from \$223.728 million due to the realignment of program delivery as a result of the recently completed Water Quality Master Plan and cancellation of the supernatant pipe project.
- Over the 2016-2025 planning period, there are also cashflow realignments for a variety of other projects, which reflect more updated schedules for implementation and realignment of projects between different program areas resulting in a funding reduction totalling \$82.510 million.

2016 - 2025 Recommended Capital Plan





As illustrated in the chart above, the 10-Year Recommended Capital Plan for Toronto Water of \$11.106 billion predominantly provides funding for State of Good Repair (SOGR) projects (including Health and Safety and Legislated projects), which represent 61% of total funding over the 10-year period. Service Improvements and Growth Related Projects represent the remaining funding allocations of 31.6% and 7.2% respectively.

- Health and Safety projects account for approximately 0.2% or \$23.844 million. Funding is allocated mostly within the first 5 years of the 10-Year Capital Plan period in order to improve the safety and upgrade electrical systems at Ashbridges Bay, Humber and North Toronto wastewater treatment plants.
- Legislated projects represent 10.1% or \$1.125 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 \$564 million over the 10 year period in order to ensure the continued reduction of Toronto Water's infrastructure renewal backlog estimated at \$1.623 billion at the end of 2015.
- Service Improvement projects represent approximately 32% or \$3.514 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$160.117 million in 2016 to \$515.182 million in 2025.
- Growth projects constitute about 7% or \$805.430 million 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 \$26.096 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 2016 – 2025 Recommended Capital Budget and Plan for Toronto Water:

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

		•	•		•	•	•		•				
	Total App'd Cash Flows to Date*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total	Rec'd Total Project Cost
Total Expenditures by Category													
State of Good Repair (Including Health & Safety and													
Legislated Projects)													
Watermain Rehabilitation (Cleaning & Lining)		53,460	63,866	66,418	64,337	65,322	69,150	69,638	71,118	70,838	70,243	664,390	
Watermain Replacement		62,358	80,438	84,662	88,000	95,000	95,000	95,000	95,000	95,000	95,000	885,458	
Water Service Replacement		48,250	41,506	40,796	34,242	36,880	37,070	37,265	34,170	34,335	34,335	378,849	
Sewer System Rehabilitation		57,163	53,250	55,031	56,000	53,250	58,395	60,136	60,886	59,986	60,136	574,233	
Sewer Replacement Program		18,279	31,603	36,692	36,786	40,000	45,000	45,000	45,000	45,000	45,000	388,360	
Linear Infrastructure Engineering		56,031	70,362	70,995	73,755	72,514	63,127	62,148	58,281	63,635	65,023	655,871	
Transmission Watermains		14,324	21,366	6,294	2,366	2,319	5,250	5,250	5,250	5,250	5,250	72,919	
	203,289	2,420	21,366	2,600	2,366 550	1,027	785	684	202	202	200	11,451	214,740
FJ Horgan Water Treatment Plant	203,269	6,414	15,794	14,135	3,837		1,955	535	385	525	375	48,390	214,740
Island Water Treatment Plant						4,435							
RC Harris Water Treatment Plant		12,878	17,517	8,903	1,273	1,850	1,200	11,150	11,500	11,500	12,550	90,321	
RL Clark Water Treatment Plant		9,630	23,464	13,275	1,624	210	150	150	150	150	150	48,953	
Trunk Sewer & Sewage Pumping Stations		34,185	29,074	32,440	32,781	25,379	25,110	24,100	35,100	32,100	35,100	305,369	
Ashbridges Bay Wastewater Treatment Plant (ABTP)		96,060	149,357	156,649	246,775	226,320	213,073	188,618	121,898	95,619	84,990	1,579,359	
Highland Creek Wastewater Treatment Plant (HCTP)		45,504	50,634	35,331	25,928	5,715	4,350	14,850	25,350	27,780	20,100	255,542	
Humber Wastewater Treatment Plant (HTP)		36,634	73,258	56,590	54,026	49,448	50,191	7,825	17,319	16,575	36,425	398,291	
Stream Restoration & Erosion Control		10,364	17,384	20,102	17,387	8,615	4,236	10,790	15,890	13,830	11,330	129,928	
Other Projects		18,979	39,989	40,198	36,055	31,045	33,244	20,481	23,085	27,385	28,735	299,196	
Sub-Total	203,289	582,933	781,643	741,111	775,722	719,329	707,286	653,620	620,584	599,710	604,942	6,786,880	214,740
Service Improvements												1	
Basement Flooding Relief		67,754	114,074	166,008	179,958	180,313	184,117	189,090	188,440	188,440	180,194	1,638,388	
Wet Weather Flow Implementation Projects		32,374	30,570	26,148	45,660	65,110	66,410	81,207	152,891	155,988	211,860	868,218	
TRCA SWM Funding & Land Acquisition for Source													
Water Protection		11,171	12,360	12,382	13,991	14,104	14,219	14,337	15,958	16,082	16,209	140,813	
Water Treatment Plant - Plantwide		1,700	1,550	6,525	11,645	27,025	21,820	26,905	15,315	22,760	30,900	166,145	
Highland Creek Wastewater Treatment Plant - Solids													
& Gas Handling		3,075	16,222	19,730	57,032	74,903	93,695	36,285	20,250	16,000		337,192	
Ashbridges Bay Wastewater Treatment Plant - Liquid		-,-		.,	, , , , ,	,	,		.,	.,			
Treatment & Handling		1,770	1,685	3,450	4,655	480	5,580	5,600	1,000	20,000	42,000	86,220	
Business & Technology Improvements		11,859	14,637	15,738	16,528	11,461	4,895	2,664	2,734	2,769	2,714	85.999	
Water Meter Program (AMR)	199,273	8,299	6,980	2,000	915	545	,	, , ,			'	18,739	218,012
Other Projects		22,115	39,388	21,977	17,184	10,415	7,855	7,505	7,005	7,505	31,305	172,254	
Sub-Total	199,273	160,117	237,466	273,958	347,568	384,356	398,591	363,593	403,593	429,544	515,182	3,513,968	218,012
Growth Related													
New Service Connections		27,100	27,000	12,601	27,254	27,411	27,574	27,741	27,913	28,091	28,273	260,958	
New Sewer Construction		5,740	7,630	8,680	11,180	1,000	9,000	9,000	9,000	9,000	9,000	79,230	1
Trunk Sewer & Sewage Pumping Stations		850	753		1,000	5,500	9,000	11,000	11,000	26,000	26,000	91,103	1
Trunk Watermains		600	3,654	13,450	12,973	5,171	15,220	20,200	22,500	18,220	12,320	124,308	
Lawrence Allan Revitalization Plan		4,813	6,765	13,272	5,506	-,		.,	,			30,356	
Regent Park Capital Contribution		2,356	596	1,391	812	44	71	40				5.310	
Other Projects		15,774	24,730	22,040	26,035	21,348	23,148	21,770	20,380	19,270	19,670	214,165	
Sub-Total		57,233	71,128	71,434	84,760	60,474	84,013	89,751	90,793	100,581	95,263	805,430	-
Total Expenditures by Category (excluding carry		2.,220	,	,	2 .,. 00	,., -	2 .,.22	22,: 01	22,.30		11,200	222,120	
forward)	402,562	800,283	1,090,237	1.086.503	1,208,050	1.164.159	1,189,890	1.106.964	1.114.970	1.129.835	1.215.387	11,106,278	432,752

^{*}Life to Date approved cash flows are provided for multi-year capital projects with cash flow approvals prior to 2016, excluding ongoing capital projects

2016 - 2025 Recommended Capital Projects

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

In addition to the state of good repair projects, considerable funding is provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding and growth related projects, some of which is recovered from Development Charges. Additional financial pressures arising from updated cost estimates for engineering services for the Highland Creek Biosolids Disposal Truck Loading Facility and the addition of the Basement Flooding program areas approved by Council, are also accommodated within the Plan.

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

- The on-going state of good repair projects for linear infrastructure renewal to ensure the replacement or rehabilitation of aging watermains and sewers, and investment in the City's aging wastewater treatment facilities, remains a primary focus of the 2016-2025 Recommended Capital Budget and Plan.
- The 10-Year Recommended Capital Plan incorporates an investment of approximately \$6.787 billion or 61% of the total funding of \$11.106 billion for new SOGR projects (including Health & Safety projects of \$1.125 billion or 10%) over the next 10 years.
- The 2016-2025 Recommended Capital Budget and Plan includes funding of \$565.329 million or 5% of the total capital funding to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$97.628 million or 0.9% of the total is allocated to the legislated odour control projects at Highland Creek and Humber wastewater treatment plants.
- State of Good Repair funding included in the 10-Year Recommended Capital Plan is intended to address Toronto Water's SOGR backlog, estimated at \$1.623 billion by year-end 2015 and projected to be reduced to \$261.328 million by year-end 2025, if the current funding allocated to State of Good Repair projects is maintained over the next 10 years.
- However, due to significantly higher market rates for linear infrastructure currently returned through the bidding process, this estimate has to be regularly updated.
- It should be noted that Toronto Water is undertaking a review to define its requirements for an integrated Asset Management Solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in early 2016.

Service Improvements

- Service Improvement projects total \$3.514 million or 32% of total funding over the 10-year period, some of which is recovered from Development Charges.
- Approximately \$1.638 million or 15% has been allocated to implement the Basement Flooding Relief Work Plan 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 \$521.595 million or 5% of the total.
- ➤ The Stormwater Management End of Pipe Facilities projects totalling \$209.644 million or 2% of total capital funding which are intended to address most of the storm sewer discharges to the waterfront and all but 9 of the 69 combined sewer overflow discharges in the City.
- ➤ Approximately \$140.813 million or 1% is included in the 10-Year Capital Plan in funding contributions to the TRCA for stream restoration and erosion control projects.
- Another \$333.148 million or 3% has been allocated to the Highland Creek Waste Water Treatment
 Plant upgrades and biosolids and gas handling projects implementation.
- The Water Metering Program approved in 2008 involving the City-wide water meter replacement program coupled with the concurrent installation of automated meter reading technology requires funding of \$18.739 million. This project has been substantially completed in 2015 and will be fully completed by 2017.

Growth Related

- Growth Related projects account for \$805.430 million or 7.2% of the 10-Year Recommended 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 2016-2025 Recommended Capital Budget and Plan allocates funding for the New Sewer Construction (\$79.230 million) and Trunk Sewer and Pumping Station projects (\$91.103 million), New Service Connections (\$260.958 million) and Trunk Watermains (\$124.308 million) to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments.

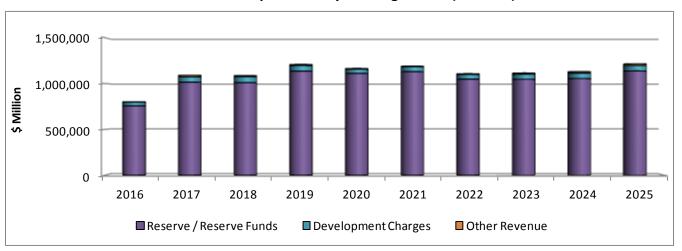
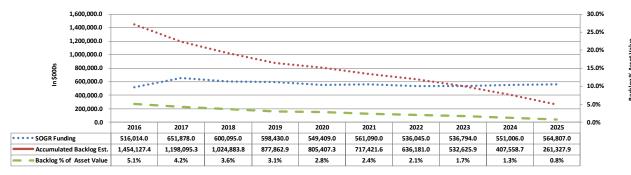


Chart 3
2016 – 2025 Capital Plan by Funding Source (In \$000s)

- 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 \$11.106 billion will be funded primarily from the Program's reserves, representing approximately 94% or \$10.441 billion of total capital financing.
 - ➤ Capital funding from Toronto Water reserves increases from \$756.112 million in 2016 to \$1.137 billion in 2025. This increase in reserve funding coincides with the implementation schedules for large capital projects such as Ashbridges Bay Waste Water Treatment Plant disinfection and outfall construction projects, the Highland Creek Biosolids project and Basement Flooding Protection projects.
 - ➤ The 10-Year Recommended Capital Plan is based on planned water rate increases of 8% (2016), followed by 5% (2017 and 2018), and 3% thereafter.
- Development Charges (DC) provide approximately 5% or \$549.500 million of financing included the 10-Year Recommended Capital Plan. The use of Development Charge funding has been maximized based on project eligibility resulting in an increase in funding of \$28.853 million over the 2015 2024 Approved Capital Plan's estimates. This increase in development charge funding will assist Toronto Water in maintaining a positive reserve balance, while accommodating increased capital funding needs.

State of Good Repair (SOGR) Backlog

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



- At the end of 2015, the replacement value of Toronto Water's assets was estimated at \$28.363 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 \$20.081 billion.
 - Facility/plant assets account for the remaining 26% or \$7.282 billion.
- Toronto Water projects that the 2015 year-end backlog of state of good repair work for linear and plant infrastructure renewal at \$1.623 billion, representing 5.7% of the asset replacement value. Approximately 56% or \$0.913 billion of the backlog relates to linear infrastructure, with the remaining 44% or \$0.710 billion representing facilities.
- The backlog estimate for various facilities is based on detailed assessment/surveys undertaken in 2005 and 2008. From these assessments, the facility backlog in 2008 was established as \$520 million. In addition, an annual renewal need of \$140 million was defined based on the forecasted life expectancy of various components of the facilities and their appraised replacement costs.
- The backlog estimate for linear infrastructure was established based on a probability model forecasting failure rates based on defined life expectancy ranges for a categorized list of pipes. This backlog was estimated to be \$1.25 billion with an additional annual renewal rate of \$111 million.
- The linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates have been periodically updated to reflect changes in unit rates for replacement and changing condition of the asset.
- The 10-Year Capital Budget and Plan dedicates \$5.638 billion or \$564 million on average annually, to address state of good repair, which is anticipated to reduce the backlog to \$261.328 million or 0.8% of the total asset value by 2025.

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

Total	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
State of Good Repair Funding	516,014	651,878	600,095	598,430	549,409	561,090	536,045	536,794	551,006	564,807
Accumulated Backlog Est. (yr end)	1,454,127	1,198,095	1,024,884	877,863	805,407	717,422	636,181	532,626	407,559	261,328
Backlog %Asset Value	5.1%	4.2%	3.6%	3.0%	2.7%	2.4%	2.1%	1.7%	1.3%	0.8%
Asset Value	28,450,427	28,608,016	28,765,389	29,028,298	29,429,708	29,770,126	30,424,371	31,486,693	31,697,099	32,189,261
Plants										
State of Good Repair Funding	189,235	286,848	223,611	217,703	184,960	193,772	161,983	148,269	163,367	175,725
Accumulated Backlog Est. (yr end)	662,522	517,209	435,132	358,963	315,537	263,299	242,851	236,116	214,283	180,092
Backlog %Asset Value	9.1%	7.0%	5.9%	4.8%	4.1%	3.4%	2.9%	2.6%	2.3%	1.9%
Asset Value	7,311,961	7,370,259	7,374,259	7,427,393	7,658,573	7,825,910	8,266,134	9,150,807	9,183,567	9,409,258
Linear Infrastructure										_
State of Good Repair Funding	326,779	365,030	376,484	380,727	364,449	367,318	374,062	388,525	387,639	389,082
Accumulated Backlog Est. (yr end)	791,605	680,887	589,752	518,900	489,870	454,122	393,330	296,510	193,275	81,235
Backlog %Asset Value	3.7%	3.2%	2.8%	2.4%	2.3%	2.1%	1.8%	1.3%	0.9%	0.4%
Asset Value	21,138,466	21,237,757	21,391,130	21,600,905	21,771,135	21,944,216	22,158,237	22,335,886	22,513,533	22,780,003

- While both categories of assets have historically received funding for state of good repair projects, the accumulated backlog of projects for linear infrastructure has been addressed at a higher rate, resulting in a proportionally lower backlog representing 4.3% of its replacement value at the end of 2015, compared to 9.7% 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 will be undertaken over 2 years starting in 2016. New methods for inspection of pressurized pipe are being explored to assess condition of assets without taking the pipes out of service during the inspection.
- Toronto Water is also undertaking a review to define its requirements to develop an integrated Asset Management solution. This review is expected to be completed in early 2016. The integrated Asset Management solution should provide a plan for implementing harmonized asset management planning across Toronto Water's linear and vertical infrastructure in response to multiple pressures driving capital investment.

10-Year Capital Plan: Net Operating Budget Impact

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

	2016 Rec'd	Budget	2017	Plan	2018	Plan	2019	Plan	2020) Plan	2016 -	2020	2016 -	2025
Projects	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
Basement Floofing Relief			100.0								100.0		100.0	
CCTV Inspection	177.5	1.0	86.7	1.0							264.2	2.0	264.2	2.0
SWM End of Pipe Facilities - North														
Toronto	228.9	1.0									228.9	1.0	228.9	1.0
Humber River WWTP - Cogeneration														
Upgrades	(360.0)		(604.6)	4.0							(964.6)	4.0	(964.6)	4.0
Highland Creek WWTP - Solids & Gas														
Handling	63.0		52.0								115.0		115.0	
Ashbridges Bay WWTP - P Building	150.0										150.0		150.0	
Ashbridges Bay WWTP - Process &														
Equipment	102.9	1.0									102.9	1.0	102.9	1.0
Ashbridges Bay WWTP - Aeration Tanks	143.2	1.0									143.2	1.0	143.2	1.0
Transmission Operations Optimizer	107.3	1.0									107.3	1.0	107.3	1.0
Sewer Replacement - Waterfront			240.0	2.0	240.0	2.0					480.0	4.0	480.0	4.0
Laboratory Equipment (Warranty Expiry)	10.0										10.0		10.0	
Automated Meter Reading System	(312.9)	(17.0)									(312.9)	(17.0)	(312.9)	(17.0)
New Projects - Future Years														
Operating Impact of Capital - Business														
System Improvements	35.0										35.0		35.0	
Humber WWTP - New Substation			105.0	1.0							105.0	1.0	105.0	1.0
Water Treatment Taste Odour					760.0		3,000.0				3,760.0		3,760.0	
Water Treatment UV Disinfection													575.0	
Ashbridges Bay WWTP - Effluent System									2,504.0		2,504.0		2,504.0	
SWM End of Pipe Facilities - Etobicoke														
Waterfront													50.0	1.0
Wet Weather Flow Master Plan							115.0	1.0			115.0	1.0	115.0	1.0
Total Recommended (Net)	344.9	(12.0)	(20.9)	8.0	1,000.0	2.0	3,115.0	1.0	2,504.0		6,943.0	(1.0)	7,568.0	

The 10-Year Recommended Capital Plan will increase future year Operating Budgets by a total of \$7.568 million net over the 2016 – 2025 period, as shown in the table above.

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

- Year 2016: An increase in operating costs of \$0.345million. Savings resulting from the implementation of Automated Meter Reading (\$0.313 million) and of the cogeneration facility upgrades at the Humber Wastewater Treatment Plant (\$0.360 million) will partially offset increased operational costs of other previously approved projects, for salaries, benefits, chemicals, energy, utilities, and contracted services, at the Ashbridges Bay and Highland Creek Wastewater Treatment plants.
 - ➤ There will also be a need for 2 additional positions at the Ashbridges Bay Treatment Plant. One position each is required for the water services transmission optimization, linear infrastructure inspection scans (CCTV) and the North Toronto CSO facility. There will however be a reduction of 17 positions from the implementation of the Automated Meter Reader System, resulting in a net decrease of 12 positions.
- Year 2017: A decrease in operating costs in the amount of \$0.021 million. Savings resulting from the implementation of the cogeneration facility upgrades at the Humber Wastewater Treatment Plant (\$0.605 million) will partially offset operating impact of other capital projects such as Waterfront/ East Bay project and the Humber Wastewater Treatment Plant new substation.
 - > 5 new positions will be needed at the Humber Wastewater Treatment Plant. Another 2 positions are needed for the sewer replacement requirements at the Waterfront/East Bay project and one position for the linear infrastructure inspection scans (CCTV).

- Year 2018: Additional operating costs of \$1.0 million are anticipated from the implementation of the Water Treatment Taste Odour projects (\$0.760 million) and Waterfront/East Bay project (\$0.240 million).
 - In order to maintain new infrastructure resulting from the Waterfront/East Bay project implementation, 2 additional positions will be required.
- Years: 2019, 2020 and 2021. The operating cost increase is comprised of funding to sustain the following capital projects:
 - ➤ Wet Weather Flow Master Plan projects including the future storm water and combined sewer overflow management End of Pipe Facilities projects at North Toronto and Etobicoke Waterfront \$0.115 million and \$0.050 million in 2019 and 2021 respectively, including addition of one position for the later.
 - ➤ Water Treatment Taste and Odour projects \$3.0 million in 2019.
 - Ashbridges Bay WWTP effluent system upgrades \$2.504 million in 2020.
 - ➤ Water Treatment UV Disinfection projects \$0.287 million in each 2021 and 2022.

Table 6
Capital Project Delivery: Temporary Positions

	CAPTOR		Project D	elivery	Salary and Benefits \$ Amount(\$000s)						
	Project	# of		End Date						2020 -	
Position Title	Number	Positions	Start Date	(m/d/yr)	2016	2017	2018	2019	2020	2025	
Linear Infrastructure											
Watermain Maintenance Worker 2	Multiple	3.0	01/01/2016	11/01/2025	225.1						
ABTP Disinfection and Outfall											
Manager Water Treatment Plants	WAS907098	1.0	01/01/2016	01/01/2024	122.5						
Total		4.0			347.6						

Approval of the 2016 – 2025 Recommended Capital Budget and Plan will result in a requirement for 4 temporary capital project delivery positions to support the implementation of *Linear infrastructure* projects as well as the *Ashbridges Bay Treatment Plant Disinfection and Outfall* projects.

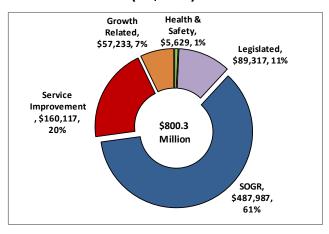
It is recommended that Council approve these 4 temporary capital positions for the delivery of the above capital projects / sub-projects and that the duration for each temporary position not exceed the life of the funding of its respective capital projects / sub-projects.

Part II: 2016 Capital Budget

2016 Recommended Capital Budget

2016 Capital Budget by Project Category and Funding Source

2016 Capital Budget by Project Category (in \$000s)

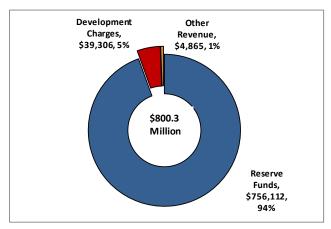


The 2016 Recommended Capital Budget, excluding funding carried forward from 2015 to 2016, requires new cash flow funding of \$800.283 million.

The 2016 Capital Budget expenditures are allocated to the following project categories:

- Health & Safety (\$5.629 million, 1%). The category includes building and electrical upgrades at wastewater treatment plants.
- Legislated (\$89.317 million, 11%). The most significant projects in 2016 are the Humber Wastewater Treatment Plant odour control and Ashbridges Bay Treatment Plant effluent system.
- SOGR (\$487.987 million, 61%). Approximately \$191.260 million or 33% of the total 2016 SOGR funding will be dedicated to watermain and sewer replacement and rehabilitation projects.
- Service Improvements (\$160.117 million, 20%) include Basement Flooding Protection projects and elements of the Wet Weather Flow Master Plan
- Growth Related (\$57.233 million, 7%). The category includes expansion projects required for future water supply and wastewater treatment demand.

2016 Capital Budget by Funding Source (in \$000s)



The 2016 Recommended Capital Budget is financed primarily by:

- Toronto Water's reserves account for approximately 94% or \$756.112 million of total financing.
- Development charges funding has been maximized based on eligible growth component of capital projects and provide funding of \$39.306 million or 5% of the 2016 Recommended Capital Budget.
- Capital cost sharing with York Region for construction of new water and sewer connections, represents 1% or \$4.865 million of 2016 funding.
- Toronto Water's 2016 Capital Budget continues to be self-sustaining and does not require debenture financing. It does not impact the municipal property tax levy.

Total 2016 Total 2016 Cash Flow Rec'd Cash 2015 Carry 2016 Rec'd (Incl Flow & FY **Forwards** Cash Flow C/Fwd) 2017 2018 2019 2020 2021 2022 2023 2024 2025 Commits expenditures Previously Approved 48.798 848.766 897.564 755.157 468.080 297.114 221.302 185.393 86,507 80.520 39 930 3.031.567 Change in Scope (171,380) (171,380)(17,446)19,921 85,512 34,945 39,812 78,912 38,163 62,826 54,610 225,875 New 122,897 135,393 25,605 19,770 12,950 1,020 512,914 New w/Future Year 122.897 111.429 63.380 Total Expenditure 48,798 849,081 873,104 599,430 446,006 281,852 244,975 178,369 133,333 108,576 55,630 3,770,356 800,283 Financing Debt 970 Other 107 4,865 4,972 13,045 3,550 2,007 245 300 150 30 25,269 172,024 127,340 101.966 50.932 Reserves/Res Funds 42.865 756,112 798,977 560.976 422,360 274,168 234,685 3.563.565 820,137 Development Charges 5,826 39.306 45.132 39.922 34.904 21.639 6.714 10.045 6.045 5.843 6.580 4.698 181.522 Provincial/Federal Total Financing (including carry forward funding) 48,798 800,283 849,081 873,104 599,430 446,006 281,852

Table 7
2016 Recommended Cash Flow & Future Year Commitments (In \$000s)

Approval of the 2016 Recommended Capital Budget of \$849.081 million will result in the following:

- \$48.798 million in 2015 funding that will be carried forward into 2016 for on-going upgrades at the Island Treatment Plant, FJ Horgan Treatment Plant, Humber Treatment Plant and Ashbridges Bay Treatment Plant, as well as completion of a number of projects including Business & Process Control System Improvement projects, linear infrastructure rehabilitation and replacement and various Basement Flooding and Wet Weather Flow projects.
- Recommended multi-year funding of \$800.283 million in 2016 which will require future year commitments of \$2.921 billion from 2017 to 2025 for initiatives that will either commence or continue in 2016 and are anticipated to be completed in future years.
 - ➤ The high rate of commitment to future year funding reflects the nature of Toronto Water's capital program which includes many multi-year, multi-million dollar projects such as the Water and Wastewater Treatment upgrade projects; Transmission Watermains; Basement Flooding Protection Program and Watermain Replacement.
 - ➤ The use of multi-year contracts has allowed Toronto Water to increase its capital delivery and spending rates.

2016 Recommended Capital Project Highlights

Table 8
2016 Recommended Capital Project Commitments by Category (in \$000s)

	Total												2016 - 202
Project	Project Cost	2016	2017	2018	2019	2020	2016 - 2020	2021	2022	2023	2024	2025	Total
Health & Safety:													
ASHBRIDGES BAY WWTP REHAB		4,426	3,765	1,710	35	-	9,936	-	-	-	-	-	9,93
HUMBER WWTP UPGRADES		996	2,759	2,200	1,100	23	7,078	423	400	400	400	400	9,10
NORTH TORONTO WTP UPGRADES		207	1,205	2,295	1,100	-	4,807	-	-	-	-	-	4,80
Sub-Total		5,629	7,729	6,205	2,235	23	21,821	423	400	400	400	400	23,84
Legislated:													
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE	E DEV	100	100	-	-	-	200	-	-	-	-	-	20
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM		7,510	11,440	10,700	5,960	5,167	40,777	5,123	5,000	1,660	269		52,82
CLARK RESIDUE MGMT. FACILITIES		200	994	425	-	-	1,619	-	-	-	-	-	1,61
DIST WATER SERVICE REPAIR		46,500	35,756	11,736	2		93,994						93,99
ENGINEERING STUDIES		797	200	200	-	-	1,197	-	-	-	-	-	1,19
HIGHLAND CREEK WWTP - ODOUR CONTROL		18,000	15,000	15,000	5,205		53,205						53,20
HIGHLAND CREEK WWTP UPGRADES		25	975	1,500	-		2,500	-	-		_		2,50
HUMBER WWTP - ODOUR CONTROL		9,992	3,385	_	_	_	13,377	-	-		_	-	13,37
HUMBER WWTP UPGRADES		300	5,505	_	_	_	300	_	_		_		30
ISLAND W.T.P. R&R		2,270	8,694	7,740	2,900	3,900	25,504	1,580	10	10			27,10
OPERATIONAL SUPPORT		100	100	100	2,300	3,500	300	1,360	10	10	-		30
SEWAGE PUMPING STATION UPGRADES		3,470	1,248	3,250	6,300	5,300	19,568	4,200	3,100	50	50	-	26,96
				3,250	0,300	5,300		4,200	3,100	50	50		
SEWER SYSTEM REHABILITATION		53	144	-	-	-	197	-	-	-	-	-	19
Sub-Total		89,317	78,036	50,651	20,367	14,367	252,738	10,903	8,110	1,720	319	-	273,79
State of Good Repair:													
ASHBRIDGES BAY T.P. YR2006		297	1,248	-	-	-	1,545	-	-	-	-	-	1,54
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	NDLING	46,977	33,724	24,828	53,000	53,000	211,529	57,500	57,500	49,750	45,000	35,000	456,27
ASHBRIDGES BAY WWTP - O&M UPGRADES		7,517	9,532	4,980	3,167		25,196						25,19
ASHBRIDGES BAY WWTP - ODOUR CONTROL		9,164	8,234	122	-		17,520	-	-	-	-	-	17,52
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING		5,537	14,517	15,468	14,710	2,710	52,942	2,158	110	284	_		55,49
ASHBRIDGES BAY WWTP REHAB		12,407	15,437	19,371	24,176	20,953	92,344	18,532	16,268	214	10		127,36
ASHRIDGES BAY TP YR2005		1,918	4,955	2,335	237	,	9,445		,				9,44
DIST SEWER REHAB OPS YR2005		4	3	2,333		_	7	_			_		3,
DIST W/M REHABILITATION		53,460	61,201	15,079	15	2	129,757						129,75
DIST W/M REPLACEMENT		56,378	26,710	9,662	1,000		93,750						93,75
DIST WATER SERVICE REPAIR		1,750	1,750	3,002	1,000		3,500						3,50
DOWNTOWN W/M ENHANCEMENT				-	-	-		-	-	-	-	-	
FNGINFFRING		715	5,312	20.010	12.014	12.100	6,027 123,343	2.626	-	-	-	-	6,02
		48,799	27,912	20,910	13,614	12,108		3,626					126,96
EQUIPMENT REPLACEMENT & REHABILITATION		800	5,704	4,558	3,652	-	14,714		-	-	-	-	14,71
FJ HORGAN W.T.P. R&R		2,420	2,781	2,400	250	152	8,003	10	9				8,02
HARRIS W.T.P. R&R		12,878	16,517	7,253	773	750	38,171	200					38,37
HIGHLAND CREEK TP YR2005		7	27	6	-	-	40	-	-	-	-	-	4
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DE		3,500	3,500	4,000	1,742	-	12,742	-	-	-	-	-	12,74
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		1,000	771	-	-	-	1,771	-	-	-	-	-	1,77
HIGHLAND CREEK WWTP UPGRADES		22,972	30,361	14,575	18,731	5,065	91,704	3,100	4,100	3,200	6,380	5,000	113,48
HUMBER WWTP - LIQUID TREATMENT & HANDLING		9,583	48,283	48,350	48,332	48,250	202,798	47,193	150	394			250,53
HUMBER WWTP - O&M UPGRADES		6,706	3,320	-	-	-	10,026	-	-	-	-	-	10,02
HUMBER WWTP UPGRADES		8,257	9,807	1,072	117	200	19,453	750	4,700	10,500	2,150		37,55
ISLAND W.T.P. R&R		4,144	7,100	6,245	562	10	18,061						18,06
RL CLARK W.T.P. R&R		9,430	22,470	12,850	1,474	60	46,284						46,28
SEWAGE PUMPING STATION UPGRADES		3	-	-	-	-	3	-	-	-	-	-	
SEWER ASSET PLANNING		12,223	16,195	14,841	16,090	11,255	70,604	5,495					76,09
SEWER REPLACEMENT PROGRAM		19,318	16,620	16,692	11,686	50	64,366	.,					64,36
SEWER SYSTEM REHABILITATION		57,169	39,200	18,831	,		115,200						115,20
STREAM RESTORATION & EROSION CONTROL		6,424	10,563	12,210	11,530	4,700	45,427	2,250	3,150	3,100	3,020	520	57,46
SWITCH GEAR TRANSFORMER		4,300	3,125			.,,	7,425	2,230	5,255		3,020		7,42
TRANSMISSION R&R		20,668	43,830	27,950	5,988	80	98,516	11					98,52
TRUNK SEWER SYSTEM		33,982	29,074	27,950	13,681	279	104,506	10					104,51
					13,081	2/9		10					
TRUNK WATERMAIN		50	3,500	2,950			6,500						6,50
W&WW LABORATORIES		292	188	207	,		687						68
WESTERN BEACHES RETROFIT		920	3,271	3,092	1,057	15	8,355	86	-	-	-	-	8,44
WET WEATHER FLOW MP		3,020	3,550	4,800	4,800	2,000	18,170						18,17
		484,989	530,292	343,127	250,384	161,639	1,770,431	140,921	85,987	67,442	56,560	40,520	2,161,86

2016 Recommended Capital Project Commitments by Category (in \$000s) - Continued

ZOTO RECOILINE	illaca	Capita	1110			Hents	by Cate	BOIR	<u>(111 201</u>	503)	COIICII	404	
	Total												2016 - 2025
Project	Project Cost	2016	2017	2018	2019	2020	2016 - 2020	2021	2022	2023	2024	2025	Total
Service Improvements:													
ASHBRIDGES BAY T.P III YR2004		167	30	-	-	-	197	-	-	-	-	-	197
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SIT	E DEV	800	1,300	3,250	4,455	80	9,885	80	-	-	-		9,965
ASHBRIDGES BAY WWTP REHAB		803	355	200	200	400	1,958	5,500	5,500	-	-	-	12,958
BASEMENT FLOODING RELIEF		67,754	88,816	82,119	84,532	64,893	388,114	58,430	60,030	36,730	15,509	10	558,823
BUSINESS IT PROJECTS		919	1,721	1,422	1,273	1,000	6,335	500	-	-	-	-	6,835
BUSINESS SYSTEM INFRASTRUCTURE - PW		9,296	8,913	7,100	7,610	4,600	37,519	50	110				37,679
DON & WATERFRONT TRUNK CSO		9,686	7,095	5,338	5,180	5,180	32,479	5,180	5,307	5,641	488		49,095
EMERY CREEK POND		7,380	5,793	50	-	-	13,223	-	-	-	-	-	13,223
ENGINEERING STUDIES		472	1,280	855	105	5	2,717	-	-	-	-	-	2,717
EQUIPMENT REPLACEMENT & REHABILITATION		118	-	-	-	-	118	-	-	-	-	-	118
FJ HORGAN W.T.P. R&R		1,710	3,245	1,378	1,828	10	8,171	10	-	-	-	-	8,181
HARRIS W.T.P. R&R		452	2,776	1,153	7	-	4,388	-	-	-	-	-	4,388
HIGHLAND CREEK WWTP - ODOUR CONTROL		1,002	1,000	1,020	917	100	4,039	5	-	-	-	-	4,044
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	ŝ	125	3,010	4,340	1,600	655	9,730	2,000	250	250	-	-	12,230
HIGHLAND CREEK WWTP UPGRADES		1,948	12,212	13,370	14,515	12,148	54,193	10,690	35			-	64,918
HUMBER T.P.		200	200	109	-		509	-	-	-	_	-	509
HUMBER T.P II YR2004		5	1			_	6				_	_	6
HUMBER TP YR2005		1,239	440	100	60	_	1,839	_	_		_	_	1,839
HUMBER WWTP UPGRADES		700	2,400	1,860	1,160	25	6,145	25			_	_	6,170
ISLAND PLANT WINTERIZATION		404	2,100	1,000	1,100		404		_	_	_	_	404
ISLAND W.T.P. R&R		265	1,822	1,791	_	_	3,878	_	_	_	_	_	3,878
Land Acquisition for Source Water Protect		7,000	85	1,731			7,085						7,085
METERING & METER READING SYS		8,299	6,980	2,000	915	545	18,739						18,739
NEW SEWER CONSTRUCTION		8,233	0,560	2,000	313	343	18,733	-	_	-	_	-	18,733
			6 070	6 200	F 000	4,024	35.007	24	-	-	-	-	25 021
OPERATIONAL SUPPORT		3,688 600	6,078	6,309 1,000	5,808 1,000	1,000	25,907 5,100	1,000	1,000	500	500	500	25,931
PW ENGINEERING			1,500	1,000	1,000	1,000		1,000	1,000	500	500	500	8,600
SEWER SYSTEM REHABILITATION		500	187	-	-	-	687	-	-	-	-	-	687
STREAM RESTORATION & EROSION CONTROL		20	25	-	-	-	45	-	-				45
SWM TRCA FUNDING		4,171	4.000	7.400		420	4,171						4,171
SWM END OF PIPE FACILITIES		7,854	4,000	7,400	5,570	130	24,954						24,954
SWM SOURCE CONTROL PROG		150	150	150	-	-	450	-	-	-	-	-	450
TRANSMISSION OPERATIONS OPTIMIZER		2	-	-	-	-	2	-	-	-	-	-	2
TRUNK WATERMAIN		2,704	2,504	260	250	200	5,918	200	-		-	-	6,118
WET WEATHER FLOW MP		7,284	10,507	7,045	5,050	500	30,386	5,000	5,000	2,950			43,336
WT&S PLANTWIDE		1,700	1,100	600	1,200	1,400	6,000	800	1,000	500	100		8,400
YARD & BUILDING RENOVATION		2	2	2	-	-	6	-	-	-	-	-	6
Sub-Total		149,420	175,527	150,221	143,235	96,895	715,298	89,494	78,232	46,571	16,597	510	946,702
Growth Related:		143,420	173,327	130,221	143,233	30,033	713,230	05,454	70,232	40,571	10,557	310	340,702
ASHBRIDGES BAY WWTP REHAB		250	1,000	500	250		2,000						2,000
DIST W/M REPLACEMENT		10,382	4,207	1,840	230		16,429						16,429
DISTRICT WATERMAINS - NEW		50	500	1,040			550						550
				F 600	F 600								
Georgetown South City Infrastructure Upgrades		5,680	5,680	5,680	5,680	-	22,720	-	-	-	-	-	22,720
HIGHLAND CREEK WWTP UPGRADES		500	500	500	-	-	1,500	-	-	-	-	-	1,500
HORGAN W.T.P. EXPANSION		109		40.070		-	109	-	-	-	-	-	109
LAWRENCE ALIAN REVITALIZATION PLAN		4,813	6,765	13,272	5,506	-	30,356	-	-	-	-	-	30,356
NEW SERVICE CONNECTIONS		27,100	27,000	7,500			61,600						61,600
NEW SEWER CONSTRUCTION		60	1,950	2,000	4,500		8,510						8,510
PW ENGINEERING		500	1,000	500	-	-	2,000	-	-	-	-	-	2,000
REGENT PARK CAPITAL CONTRIBUTION		2,356	596	1,391	812	44	5,199	71	40	-	-	-	5,310
SEWAGE PUMPING STATION UPGRADES		2	-	-	-	-	2	-	-	-	-	-	2
SEWER ASSET PLANNING		363	225				588						588
SEWER SYSTEM REHABILITATION		2,613	5,300	6,300	6,165	1,928	22,306	28	-	-	-	-	22,334
TRANSMISSION R&R		350	230				580					-	580
TRUNK SEWER SYSTEM		850	753	-			1,603						1,603
TRUNK WATERMAIN EXPANSION		600	604	450	173	21	1,848	-	-	-	-	-	1,848
WATER EFFICIENCY PROGRAM		520	520				1,040						1,040
WATER STORAGE EXPANSION		135	18	-	-	-	153	-	-	-	-	-	153
Sub-Total		57,233	56,848	39,933	23,086	1,993	179,093	99	40	-		-	179,232
Total (excluding carry forward funding)		800,283	873,104	599,430	446,006	281,852	3,000,675	244,975	178,369	133,333	108,576	55,630	3,721,558

The 2016 Recommended Capital Budget provides funding of \$800.243 million to:

- Continue state of good repair projects to address infrastructure renewal such as Watermain Replacement and Rehabilitation (\$115.818 million), Sewer System Replacement and Rehabilitation (\$75.442 million), and Trunk Sewers and Pumping Stations (\$34.185 million).
- Continue the Basement Flooding Protection projects (\$67.754 million), implementation of the Wet Weather Flow Master Plan (\$32.374 million), and Erosion Control projects (\$10.364 million).
- Continue to provide funding for TRCA erosion control projects and land acquisition for source water protection (\$11.171 million).

Part III:

Issues for Discussion

Issues for Discussion

Issues Impacting the 2016 Capital Budget

Water Consumption Forecast

- As noted in the 2016 Water and Wastewater Rate report, there has been a trend towards reduced water consumption over the last decade, despite population growth. Besides weather conditions, the decline in water consumption is attributed to water efficiency measures and economic factors.
- Over the last 10 years, Toronto's water consumption has declined by approximately 13%, from 374 cubic metres in 2005 to 327 million cubic metres at the end of 2014.
- In 2015, actual consumption has continued to decline. Based on the billing data to the end of August 2015, projected year-end consumption is estimated at 322 million cubic metres, a further drop of 1.5% compared to 2014 actual consumption.
- The 2016 Water and Wastewater Rate Model assumes that the 2016 consumption will remain at the same level as the 2015 projected actual experience. For future years (2017-2025), a 0.5% decline in consumption is projected annually.
- It is important to note that uncertainty in revenues from the sale of water continues to be a challenge for Toronto Water, especially given that a 1% variance in water consumption estimates would have an \$8.5 million impact on annual anticipated water rate revenue.

Water Rate Increases & Reserve Balances

- Council, as part of the 2015 budget process, endorsed the direction that the capital plan prepared for the 2016 Budget process be premised on 8% water and wastewater consumption rate increases for 2015 and 2016, followed by successive 5% increases in 2017 and 2018 in order to reinstate approximately \$1 billion in capital funding lost from a systematic decline in consumption and to fund emerging projects.
- For 2016, 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 2016-2025 Recommended Capital Budget and Plan in accordance with the project delivery schedule, the following rate increases are recommended and incorporated in the 2016 Water and Wastewater Rate Model:
 - > 8% in 2016.
 - > 5% in 2017 and 2018.
 - 3% from 2019 to 2025.
- The following should be noted:
 - ➤ Based on the above water consumption and water and wastewater rates, sufficient revenues will be generated to fund the 2016-2025 Recommended Capital Budget and Plan, leaving a positive capital financing reserve balance of \$47.697 million at the end of the 10-year period. Due to the fact that the reserve balance decreases to approximately \$15.7 million and \$7.5 million in years 2021 and 2022, as some of the largest multi-year projects are nearing

- completion, any further decline in water consumption would require an adjustment of the 10-Year Requested Capital Plan's projects.
- > Toronto Water's 10-Year Recommended Capital Plan includes a forecast for the expanded TRCA Watercourse Erosion Control project for a total of \$69.0 million to be spent between 2017 and 2025. It was assumed that 2/3 (\$46 million) will be funded by other orders of government. This funding has yet to be secured. Funding for 2016 is being drawn predominately from the Capital Reserve and a baseline funding allocation for TRCA critical erosion from 2017-2025 for \$18 million is similarly being funding from the Capital Reserve.
- > The previously unfunded TRCA Scarborough Waterfront Trail (\$54 million) has not been incorporated in Toronto Water's 10-Year Recommended Capital Plan since this project is awaiting results of the Environmental Impact Assessment that is currently underway and will not be completed until 2017. The scope of this project includes both trail/parkland and soil erosion work necessary to establish this new trail. Any further Toronto Water funding will be established on the portion of work associated with soil erosion component only, once their portion is known.
- ➤ Unit rate pricing for linear infrastructure replacement have escalated recently, requiring additional funding to cover these increased project costs. As a result, the Program has deferred some previously planned capital projects by 1 to 5 years, to align with the Water and Wastewater Rate Model financial projections of available rate funding. This trend, if it continues, will not only significantly impact the state of good repair backlog for infrastructure renewal, but possibly create funding pressures in future years.

Issues Impacting the 10-Year Capital Plan

State of Good Repair (SOGR) Backlog

- Toronto Water currently has a significant infrastructure renewal backlog, higher than any other major Canadian urban centre. It has the largest asset base in the country, estimated at \$28.363 billion with some infrastructure dating back to the 1800s.
- However, some of the City's oldest pipes (100 years or older) are still performing well. As Toronto Water plans for the renewal of aging infrastructure, a risk based approach is taken that considers infrastructure age, condition and performance assessment, upsizing, which may be required to service future growth, and opportunities to reduce overall costs.
- Some key initiatives to identify Toronto Water's State of Good Repair needs include:
 - Water Loss Reduction Program which includes leak detection surveys on distribution water mains that is an indicator of the condition and performance of watermain.
 - Closed camera TV (CCTV) inspection program that utilizes closed camera technology to assess the condition of sanitary and storm sewers.
- The 2015 year-end value of the infrastructure renewal backlog is estimated at \$1.623 billion, reflecting 5.7% of Toronto Water's total asset value of \$28.363 billion. This is based on a detailed

- analysis of current condition assessments and assumptions of service life by linear asset class, coupled with assessments of water and wastewater treatment facilities.
- Condition assessments of infrastructure by asset class continue to be reviewed and updated. In addition to the condition assessments, Toronto Water is undertaking a review to define its requirements for an integrated Asset Management Solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in early 2016.
- The 10-Year Recommended Capital Plan State of Good Repair funding totals \$5.637 billion that averages \$564 million annually over the 10 year period. This level of funding will contribute towards reducing the watermain and sewer break rates. If the projected 2015 state of good repair backlog remains unchanged, the year-end backlog will be reduced from \$1.623 billion in 2015 to \$261.328 million by 2025.
- A continued trend in escalating unit rate pricing for linear infrastructure will significantly impact the state of good repair backlog for infrastructure renewal as project deferral is required to align with projected funding. These unit rates are mostly impacted by construction industry capacity to deliver projects across the City.
- The Program's State of Good Repair Backlog analysis excludes stormwater management facilities (stormwater ponds and underground storage tanks) as they are relatively new assets, nor does it include stream restoration from erosion scars. Restoration 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 2013, the number of study areas in the City was increased from 31 to 34 study areas in response to additional storm events and new occurrences of basement flooding.
 - Extreme storms in 2008, 2012, July 8, 2013, and June 25, 2014 impacted different parts of the City and resulted in thousands of flooding complaints. In December 2013, City Council approved the city-wide expansion of the Basement Flooding Protection Program. Seven new study areas were delineated in this same report bringing the total to 41 areas.
 - As part of the 2015 Capital Budget Process, another 26 new study areas were delineated to address the city wide expansion of the program, bringing the total number to 67 Study Areas. As these new EA studies are completed, even further ongoing updates to the cost to implement basement flooding protection projects will be needed.

- As of the end of October 2015, Basement Flooding Environmental Assessment (EA) studies for 26 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. Fifteen studies are ongoing and they will be completed in 2015, the 8 remaining areas are anticipated to be completed in 2017.
- 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 2015, \$237 million will have been spent to upgrade over 130 kilometres of storm and sanitary sewers, build two surface storage ponds, and build one underground storm storage tank to meet the enhanced level of service requirements required under the Basement Flooding Protection Program. A further \$55 million in construction projects has been committed.
- The 2016 2025 Capital Budget and Plan includes \$1.638 billion in funding for Basement Flooding Relief projects, representing an increase of \$158.3 million over the approved funding in the 2015-2024 Capital Plan.
- 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.
 - In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that will deliver more quickly and more efficiently a larger number of infrastructure improvements, and meet the needs of the citywide expansion of the Program.

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 2016-2025 Recommended Capital Budget and Plan allocates a total of \$140.813 million over a 10-year period, as Toronto Water continues to support the TRCA's efforts in watercourse management.

 Toronto Water's 2016-2025 Recommended Capital Budget and Plan also includes further funding of \$104.302 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:

- At its meeting of October 30, 31 and November 1, 2012, Council in considering a report entitled "Toronto Water Capital Program Funding Pressures and Financing Options", directed the Deputy City Manager and Chief Financial Officer, and General Manager, Toronto Water to report to Executive Committee on strategies to maximize funding capacity and/or provide reductions in current project costs to address existing and emerging unfunded capital priorities and financing options in June 2013, in advance of Toronto Water's long term Capital Plan. Council also requested that as part of the same report, consideration be given to a property owner's ability to pay in establishing the water rate and/or water rate increases, and with respect of the introduction of a fixed stormwater charge for the Wet Weather Flow Program.
- At its meeting of July 16, 17, 18 and 19, 2013, City Council directed the General Manager, Toronto Water, in consultation with the Deputy City Manager & Chief Financial Officer, to report to the October 30, 2013 meeting of the Executive Committee with financing options for increased investment in Toronto Water Infrastructure, particularly for Wet Weather Flow Management Master Plan and Basement Flooding Protection projects, as previously directed by Council of November 29, 30 and December 1, 2012.
- In response to the above requests, the General Manager of Toronto Water and the Deputy City Manager & Chief Financial Officer, prepared a report titled "Future Options and Public Attitudes for Paying for Water, Wastewater and Storm Water Infrastructure and Services", which was approved by Council in November, 2013.
- The report underlined Toronto Water's need for more funding in order to continue to provide safe drinking water, safely treat wastewater, and provide stormwater management to protect private property and the environment.
- In approving the report recommendations City Council requested the General Manager Toronto Water, and the Deputy City Manager & Chief Financial Officer to identify the most appropriate way to generate additional revenue for Toronto Water to fund its substantial infrastructure and to conduct further detailed studies including stakeholder input on such options.
- Some of the revenue generating options that were identified include:
 - Water rate increases greater than the rate of inflation once the '9% for 9 years' increases end in 2014; and/or,
 - A separate stormwater management charge on the water bill; and/or,
 - Debenture financing for large scale, long service period projects, with all debt service costs to be paid from water rate revenue; and/or,
 - Local improvement charges for all or a portion of the Basement Flooding Protection Program.
- City Council also directed the Deputy City Manager & Chief Financial Officer and the General
 Manager Toronto Water, to report back to the Executive Committee, as part of Toronto Water's

2015 Capital Budget Submission with a recommended financing strategy to support Toronto Water's long term Capital Plan with a detailed implementation plan.

- In response to this request, a report entitled "Funding Option for Paying for the Toronto Water Capital Program" will be presented for consideration concurrently with the 2016 Recommended Operating Budget and 2016-2025 Recommended Capital Budget and Plan.
 - ➤ This report highlights the growing needs of the stormwater management capital program, which, as a portion of the total capital program, is projected to grow from 18% in 2015 to 40% in 2025. The report recommends development of an implementation plan for a charge that is dedicated to funding stormwater management projects. This involves a separate funding structure for stormwater management based on alternative parameters including per lot charges and impervious area, with a possible implementation as early as 2018.
 - ➤ It should be underlined that the 2016-2025 Recommended Capital Plan is based on the current consumption based water rate funding and all necessary revenues for the Capital Plan are to be generated by the recommended rate increases by the 2016 Water and Wastewater Rates and Service Report until such time that Council approves a new funding structure.

Other Challenges: Planning for Growth

The City of Toronto is experiencing significant growth with many landowners submitting development applications to increase the density permitted by the zoning-by-law. A strategy is required to ensure that water and wastewater services are available for the new developments.

Issues Referred to the 2016 Capital Budget Process

Additional TRCA Projects

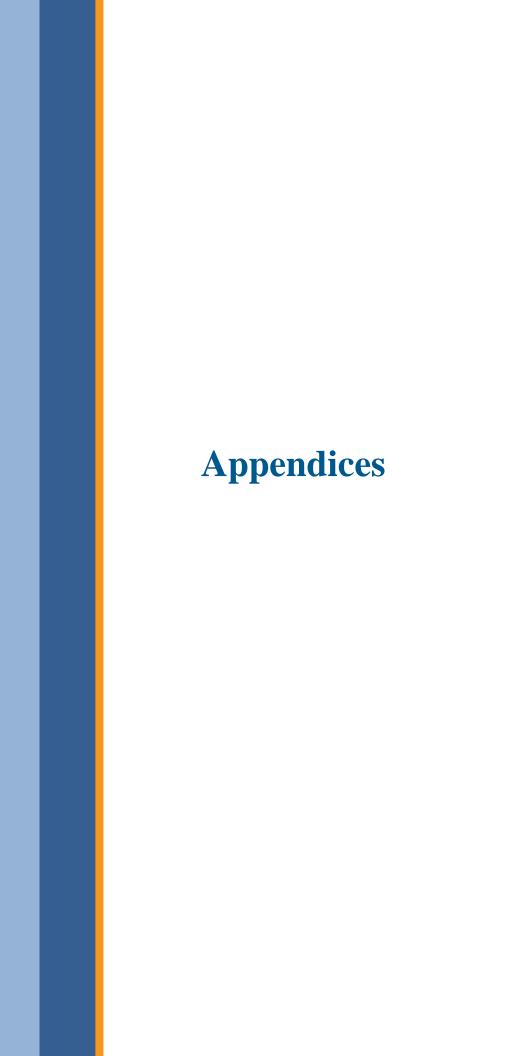
During the 2015 Budget Process, City Council request the General Manager, Toronto Water and the Deputy City Manager and Chief Financial Officer, in consultation with the General Manager, Parks, Forestry and Recreation and Chief Executive Officer, Toronto and Region Conservation Authority, to consider as part of the 2016 budget process, funding the following Toronto Waterfront projects:

- a. \$1.5 million for Etobicoke Waterfront projects including Humber Bay Park and Mimico Park Trail enhancements;
- b. \$1.5 million for Scarborough Waterfront projects including the Scarborough Bluffs Waterfront Trail Environmental Assessment; and
- c. \$ 1.5 million for Toronto Waterfront projects including Tommy Thompson Park enhancements.

Funding for these projects has not been provided in the 10-Year Recommended Capital Plan. Toronto Water is awaiting an update from TRCA, which is in process of reviewing the scope for the above noted projects.

Tree Canopy Reserve

During the 2015 Budget Process, City Council authorized the creation of a Tree Canopy Reserve Fund to help achieve City's forest canopy targets, and directed that funding in the amount of \$1.0 million be provided from the Stabilization Reserve. A separate Administrative Report on Reserve and Reserve Funds will address this direction.



Appendix 1

2015 Performance

2015 Key Accomplishments

In 2015, Toronto Water made significant progress on its on-going projects and/or accomplished the following:

Water Treatment & Supply

- ✓ Approximately 38 km of watermain replacement (\$58.0 million) and 58 km of structural watermain lining (\$36.0 million in 2015)
- ✓ Water service replacement (\$25 million)
- ✓ R.L. Clark Water Treatment Plant Filter Rehabilitation (awarded in 2014)
- ✓ Gerrard St. transmission watermain to be completed in 2015 (\$78.0 million)

Waste Water Collection and Treatment

- √ 17 km of sewer replacement (\$56.0 million) and 125 km of sewer rehabilitation (\$32.0 million in 2015)
- ✓ Ashbridges Bay Wastewater Treatment Plant on-going projects P Building Upgrades, Fine Bubble Aeration (\$30.0 million in 2015)
- ✓ ABTP Ashbridges Bay Wastewater Treatment Plant awarded engineering services for Integrated Pumping Station and Outfall
- ✓ Highland Creek Treatment Plant Biosolids Upgrades, Odour Control Upgrades (\$17.0 million in 2015)
- ✓ Humber River Wastewater Treatment Plant Chlorine Facility Upgrades, New Substation, Gas Compressor Upgrades, Odour Control (\$41.0 million in 2015)

Stormwater Management

- ✓ Basement Flooding Protection Program (\$62.0 million in 2015)
- ✓ Wet Weather Flow Master Plan (\$40.0 million in 2015)

2015 Financial Performance

Table 9
2015 Budget Variance Analysis (In \$000's)

2015 Approved	As of Sept	. 30, 2015	Projected Actu	als at Year End	Unspent Balance				
\$	\$ % Spent		\$	% Spent	\$ Unspent	% Unspent			
756,640	321,192	42.4%	623,191	82.4%	133,449	17.6%			

^{*} Based on 2015 Third Quarter Capital Variance Report

2015 Experience

For details of the variance explanations and year-end projections for Toronto Water, please refer to the 2015 Capital Variance Report for the nine months ended September 30, 2015 which will be submitted to the Budget Committee meeting on November 13, 2015.

Impact of the 2015 Capital Variance on the 2016 Recommended Budget

- As a result of delays in capital project implementation, as described in the 2015 Q3 Capital Variance Report, funding of \$48.798 million is being carried forward to the 2016 Recommended Capital Budget to continue the capital work.
- A detailed review of the 2016 2025 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 multi-year, multi-million dollar capital projects such as the water and wastewater treatment plant upgrade projects, as well as linear infrastructure replacement and rehabilitation projects which could be the major contributors to annual under expenditures. By deferring the cash flow funding to future years, the 2016 Recommended Capital Budget reflects readiness to proceed and will assist Toronto Water in maintain its high rate of spending.

Appendix 2

Table 10 2016 Rec'd Capital Budget; 2017 to 2025 Rec'd Capital Plan (\$000s)

Part	2016 Rec'd Capital Budget; 2017 to 2025 Rec'd Capital Plan (\$000s)														
Temporal Content	Project	Project	Carry	2016	2017	2018	2019	2020		2021	2022	2023	2024	2025	2016 - 2025 Total
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SAMERIOSE SALVERANDO SUDIA GELAMADINO 88 5.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19.57 19			1 901												
SAMPOLISE AND TYPE MADE 1.01													3,200	3,200	
VARISE ROLL TRANSPARS REPACEMENT 1.21 569 1.127 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128 1.128			003					17,710		17,130	15,110	204			
ASSESSIS PROJECTS 9.75 11.0074 15.0005 17.0005 18.0001 17.0006 18.00.001 17.0006 18.00.001 17.0006 18.00.001 17.0006 18.0006 18.00.001 17.0006 18.0006 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.00000 18.00000 18.00000 18.00000 18.000000 18.00000 18.00000 18.000000 18.00000 18.000000 18.000000 18.0000000 18.00000000 18.000000000 18.000000000 18.000000000 18.0000000000	AVENUE ROAD TRUNKMAIN REPLACEMENT		521		.,	_,									1,125
UNINESS FOR PRINCEST 9.39 1.721 1.422 1.273 1.000 6.335 500	BASEMENT FLOODING RELIEF				114,074	166,008	179,958	180,313		184,117	189,090	188,440	188,440	180,194	1,641,828
## ST SEAVER READ OF STRACOS ## 3 ## 5125 STAND ST. ST	BUSINESS IT PROJECTS														6,835
ST WARR REPLACEMENT 7,999 8,970 9,980 97,902 101,000 113,000 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 112,700 1	DIST SEWER REHAB OPS YR2005			4											7
OWNDOWN MAN PROMISEMENT 1.48.69 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.00 1.50.	DIST W/M REHABILITATION		1,027	53,460	63,866	66,418	64,337	65,322	314,430	69,150	69,638	71,118	70,838	70,243	665,417
MORDER PROPERTY 1988 1964 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 196	DIST W/M REPLACEMENT		7,969	66,760	89,840	97,602	104,100	110,300	476,571	112,100	112,300	112,500	112,500	113,500	1,039,471
QUIMMENT WITH PRACEMENT & REMARKATARON 938 5,707 4,558 3,652 1,452 1,152 5 644 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202 202	DOWNTOWN W/M ENHANCEMENT			715	5,312										6,027
HORGEAN LYTE RAB	ENGINEERING							60,259		52,632	52,148	48,281	53,635	55,023	534,471
MARIS WIT P. BRR 13,30 20,93 1,055 2,200 1,850 49,09 1,100 11,500 11,500 11,500 12,500 46,000															14,832
MINISTRATOR CREEK WATE - BULDINGS SERV & STEDEY 3.500 3.500 4.000 1.742 12.744 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1			639												
NOTE 1.00 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72							2,280	1,850		1,200	11,150	11,500	11,500	12,550	
MINISTRY MARINE															40
1,299 400 100 100 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10								50.655		45.000	250	250			
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UMBER WITT - GOLD TREATMENT & FANOLING 1,107 10,750 5,330 1,000 35,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000				1 220				1,450		10,620	10,600	1,900	620	20	
MILNESS WWWT-OBAN UFGRADES								49 400		40 102	1 500	E 204	12 000	25 000	
MARSEN WATER PROMOTES 1,107 10,253 15,966 9,542 6,202 1,328 44,598 2,023 6,325 1,1925 3,375 1,425 69,877 1,205 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206 1,206			1 207			48,330	40,332	46,400		46,193	1,500	3,394	13,000	35,000	
SLAND WITP - RAR						0.5/12	6 202	1 5 2 8		2 023	6 3 2 5	11 025	3 5 7 5	1 //25	
ABOUND TOWN PURPEABLES 207 1,005 2,295 1,100 4,807 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051 1,051															
LCARK W.T.P. RRR			300					4,133		1,555	333	505	323	3,3	
PAMORE PAMPINES STATION UPGRADES 1.476 3.475 1.248 3.350 6.750 1.650 1.619 1.050 3.150 5.151 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1.515 1			944					210		150	150	150	150	150	
SERRING SET PLANNING 5-77 12,586 16,420 16,905 18,189 15,648 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150 15,150	SEWAGE PUMPING STATION UPGRADES														51,199
EWER SYSTEM REHABILITATION 213 60,335 58,881 61,331 62,165 55,178 298,103 58,423 60,136 60,886 59,986 60,136 597,677 EVALUATION OF PIPE FACULTIES 4,154 7,854 4,000 7,440 5,730 2,030 31,208 3,330 7,200 30,600 64,800 76,660 213,798 EVALUATION OF PIPE FACULTIES 4,154 7,854 4,000 7,440 5,730 2,038 3,330 7,200 30,600 64,800 76,660 213,798 EVALUATION OF PIPE FACULTIES 4,872 2,1018 44,690 29,180 20,088 21,830 14,633 2,661 11,600 16,910 21,200 25,050 240,054 EVALUATION OF PIPE FACULTIES 4,887 2,1018 44,690 29,180 20,088 21,830 14,4633 25,661 11,600 16,910 21,200 25,050 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500	SEWER ASSET PLANNING														157,434
MAREND OF PIPE FACUITES	SEWER SYSTEM REHABILITATION		213	60,335		61,331	62,165		298,103	58,423	60,136	60,886	59,986	60,136	597,670
RANSMISSION REPRATIONS OF PINIMIZER 2	STREAM RESTORATION & EROSION CONTROL			6,444	10,588	12,210	11,530	4,700	45,472	2,250	9,810	15,910	15,180	15,680	104,302
RANSMISSION R&R 4,827 21,018 44,690 29,180 20,088 21,300 141,693 23,661 11,600 15,910 21,200 25,050 24,054 10,000 10,000 10,000 5,000 5,000 5,000 5,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,	SWM END OF PIPE FACILITIES		4,154	7,854	4,000	7,440	5,730	2,030	31,208	3,330	7,200	30,600	64,800	76,660	213,798
RUNK WATERMAIN 2.754 6,004 3,210 2,250 2,200 16,418 5,200 5,000 5,000 5,000 41,618 with the content of the con	TRANSMISSION OPERATIONS OPTIMIZER			2					2						2
VASIMUL ABORATORIES 292 188 207 358 209 124 458 356 210 210 21,110 23,599	TRANSMISSION R&R		4,827	21,018	44,690	29,180	20,088	21,830	141,633	23,661	11,600	16,910	21,200	25,050	240,054
Mestern Mester	TRUNK WATERMAIN								16,418	5,200		5,000	5,000		41,618
131,843 484,541 694,959 704,048 743,147 712,966 3,371,504 736,026 667,532 675,295 743,461 802,816 6,996,632	W&WW LABORATORIES										356	210	210	21,110	23,598
SHBRIDGES BAY WWTP - FFLUENT SYSTEM 5,510 51,440 65,700 125,960 120,167 370,777 95,623 65,000 33,660 269 565,322 55,000 500 556,322 55,000 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500															8,441
SHBRIDGES BAY WWTP	Sub-Total		31,843	484,541	694,959	704,048	743,147	712,966	3,371,504	736,026	667,532	675,295	743,461	802,816	6,996,634
Scherioges Bay Wwith - Effluent System 7,510 51,440 65,700 125,960 120,167 370,777 95,623 65,000 33,660 269 565,325 548RRIOGES Bay Wwith - CODUR CONTROL 9,164 8,234 122 17,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520 11,520	Service Improvements:														
Schering Star	ASHBRIDGES BAY WWTP			464	1,278										1,742
Scheric Sche	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	1					125,960	120,167		95,623	65,000	33,660	269		565,329
129 9,432 8,913 9,007 9,447 6,437 43,365 4,371 2,664 2,734 2,769 2,714 58,611	ASHBRIDGES BAY WWTP - ODOUR CONTROL	1		-, -											17,520
STRICT WATERMAINS - NEW 50 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500	ASHBRIDGES BAY WWTP REHAB	1													233,276
SON & WATERFRONT TRUNK CSO 9,686 7,095 5,338 28,180 51,180 10,479 51,180 59,307 108,141 80,988 120,500 521,598	BUSINESS SYSTEM INFRASTRUCTURE - PW	1	129												58,617
MERY CREEK POND 3,837 7,380 5,793 50 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060 17,060		1													4,550
1,269 1,480 1,165 155 55 4,124 50 50 50 50 50 50 50 4,374		1	2.000				28,180	51,180		51,180	59,307	108,141	80,988	120,500	
19,002 16,000 16,020 6,122 500 57,644 1,005 6,500 11,300 10,550 5,350 92,348		1	3,837				455								
NUMBER T.P. 205 201 109 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 515 51		1													
1,758 9,992 3,385 15,135 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 404 4		1					0,122	500		1,005	0,500	11,300	10,550	5,350	
SLAND PLANT WINTERIZATION		1	1 750			109									
### METERING & METER READING SYS 8,299 6,980 2,000 915 545 18,739		1	1,/38		2,203					l					
3,468 7,666 7,129 3,730 3,300 25,293 2,000 1,900 1,400 1,400 1,400 33,393 26,641 2,356 3,596 1,391 812 44 5,199 71 40 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,		1			6.980	2.000	915	545							
EMERIT PARK CAPITAL CONTRIBUTION 2,356 596 1,391 812 44 5,199 71 40 47,000 47,000 47,000 47,000 423,265 46,692 46,692 46,692 46,696 42,050 188,215 47,050 47,000 47,000 47,000 47,000 423,265 47,000 47,000 47,000 47,000 47,000 423,265 47,050 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 47,000 4	PW ENGINEERING	1								2.000	1.900	1.400	1.400	1.400	33,393
Separate												1,-100	2,	2,-30	5,310
WITCH GEAR TRANSFORMER	SEWER REPLACEMENT PROGRAM		599									47,000	47,000	47,000	423,265
RUNK WATERMAIN EXPANSION 50 600 3,604 12,450 12,173 3,021 31,898	SWITCH GEAR TRANSFORMER		1			-,2	2,220	2,000		.,	.,	.,	1,,,,,,	.,	7,425
VATER EFFICIENCY PROGRAM 520 520 520 520 520 520 520 520 520 52	TRUNK WATERMAIN EXPANSION		50			12,450	12,173	3,021							31,898
VATER STORAGE EXPANSION 135 18 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 153 154 153	WATER EFFICIENCY PROGRAM							-		520	520	520	520	520	5,200
VATER SUSTAINABILITY PROGRAM 10,697 19,756 4,364 5,169 1,815 41,801 15 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816 41,816	WATER STORAGE EXPANSION														153
VET WEATHER FLOW MP 961 10,304 17,057 17,970 16,550 15,800 78,642 13,800 15,680 14,130 8,850 10,350 141,455 VT&S PLANTWIDE 1,700 1,550 6,525 11,645 27,025 48,445 21,820 26,905 15,315 22,760 30,900 166,148 ARD & BUILDING RENOVATION 2 2 2 6 6 6 6 6	WATER SUSTAINABILITY PROGRAM					4,364	5,169	1,815		15					41,816
VT&S PLANTWIDE 1,700 1,550 6,525 11,645 27,025 48,445 21,820 26,905 15,315 22,760 30,900 166,145 (ARD & BUILDING RENOVATION 2 2 2 2 6 6	WET WEATHER FLOW MP		961								15,680	14,130	8,850	10,350	141,452
ARD & BUILDING RENOVATION 2 2 2 6	WT&S PLANTWIDE														166,145
	YARD & BUILDING RENOVATION														6
	Sub-Total		8,308	154,143	218,820	223,575	297,315	304,502	1,206,663	272,997	259,774	249,654	187,206	230,974	2,407,268

Table 10
2016 Rec'd Capital Budget; 2017 to 2025 Rec'd Capital Plan (\$000s) – (Continued)

		Prior Year												
Davis	Project	Carry	2016	2017	2010	2010	2020	2016 - 2020	2024	2022	2022	2024	2025	2016 - 2025 Total
Project	Cost	Forward	2016	2017	2018	2019	2020	2020	2021	2022	2023	2024	2025	IULAI
Growth Related:														
GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES			5,680	5,680	5,680	5,680		22,720						22,720
HIGHLAND CREEK WWTP UPGRADES		86	25,445	44,048	30,195	33,496	29,463	162,733	52,040	44,385	34,050	33,230	14,750	341,188
LAND ACQUISITION FOR SOURCE WATER PROTECT		1,605	7,000	8,085	8,000	9,500	9,500	43,690	9,500	9,500	11,000	11,000	11,000	95,690
LAWRENCE ALLAN REVITALIZATION PLAN		3,100	4,813	6,765	13,272	5,506		33,456						33,456
NEW SERVICE CONNECTIONS			27,100	27,000	12,601	27,254	27,411	121,366	27,574	27,741	27,913	28,091	28,273	260,958
NEW SEWER CONSTRUCTION			61	1,950	3,000	5,500	1,000	11,511	9,000	9,000	9,000	9,000	9,000	56,511
TRUNK SEWER SYSTEM		3,125	34,832	29,827	32,440	33,781	30,879	164,884	34,110	35,100	46,100	58,100	61,100	399,394
Sub-Total		7,916	104,931	123,355	105,188	120,717	98,253	560,360	132,224	125,726	128,063	139,421	124,123	1,209,917
Total		48,798	800,283	1,090,237	1,086,503	1,208,050	1,164,159	5,398,030	1,189,890	1,106,964	1,114,970	1,129,835	1,215,387	11,155,076

Appendix 3

2016 Rec'd Capital Budget; 2017 to 2025 Rec'd Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

	-		_					_														
rogram																						
					Curre	ent and F	uture Yea	r Cash Flo	w Commitn	nents			Cui	rrent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
pject No. Project Name		.	•	0040	0047	0040	0040	2000	Total	Total	Total	Provincial Grants and	Federal	Development	Pasanyas	Reserve	Capital from			Reco		Iotai
	vvara	Stat.	Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Subsidies	Subsidy	Charges	110001100	i unus	Current	Other 1	Otner2	Debt		Financing
HORGAN W.I.F. EXFANSION																						
PLANT EXPANSION - CONSTRUCTION	CW	S2	05	472	0	0	0	0	472	0	472	C) C) 151	0	170	0	0	151	0	0	472
SUPERNATANT AND FORCEMAIN INSTALLATION	CW	S2	05	4,500	0	0	0	0	4,500	0	4,500	C) C	1,438	0	3,062	0	0	0	0	0	4,500
PLANT EXPANSION - CONSTRUCTION-2016 SC	CW	S3	05	-413	0	0	0	0	-413	0	-413	c) C	-131	0	-150	0	0	-132	0	0	-413
SUPERNATANT & FORCEMAIN-2016 SC	CW	S3	05	-4,500	0	0	0	0	-4,500	0	-4,500	С) C	-1,438	0	-3,062	0	0	0	0	0	-4,500
PLANT EXPANSION - DESIGN & CONSTR ADMIN - 2016 SC	CW	S3	05	50	0	0	0	0	50	0	50	C) C) 16	0	18	0	0	16	0	0	50
Sub-total				109	0	0	0	0	109	0	109	0	C	36	0	38	0	0	35	0	0	109
WATER STORAGE EXPANSION																						
MILLIKEN PS & RESERVOIR-DESIGN&CONT ADMIN-2016		S3	05	130	0	0	0	0	130	0	130	С) C	52	0	31	0	0	47	0	0	130
DUFFERIN RES.EXT-DESIGN AND CONT. ADMIN - 2016 SC	CW	S3	05	5	18	0	0	0	23	0	23	С) C) 14	0	9	0	0	0	0	0	23
Sub-total				135	18	0	0	0	153	0	153	0	C) 66	0	40	0	0	47	0	0	153
CLARK RESIDUE MGMT. FACILITIES																						
RESIDUALS RETROFITS & UPGRADES	CW	S2	02	950	0	0	0	0	950	0	950	С) С	0	0	950	0	0	0	0	0	950
RESIDUALS RETROFITS AND UPGRADES-2016 SC	CW	S3	02	-750	994	425	0	0	669	0	669	С) C	0	0	669	0	0	0	0	0	669
Sub-total				200	994	425	0	0	1,619	0	1,619	0	C	0	0	1,619	0	0	0	0	0	1,619
WATER EFFICIENCY PROGRAM												İ										
ICI INDOOR WATER AUDIT	CW	S2	05	300	300	0	0	0	600	0	600	c) C	600	0	0	0	0	0	0	0	600
PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	150	0	0	0	300	0	300	c) с	300	0	0	0	0	0	0	0	300
ANCILLARY COSTS	CW	S2	05	70	70	0	0	0	140	0	140	c) с	140	0	0	0	0	0	0	0	140
WATER EFFICIENCY FUTURE YEAR	CW	S6	05	0	0	520	520	520	1,560	2,600	4,160	c) C	4,160	0	0	0	0	0	0	0	4,160
Sub-total				520	520	520	520	520	2,600	2,600	5,200	0	C	5,200	0	0	0	0	0	0	0	5,200
S ISLAND PLANT WINTERIZATION																						
PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	515	0	0	0	0	515	0	515	С) C	0	0	515	0	0	0	0	0	515
PLANT WINTERIZATION & SUMMERIZATION-2016 SC	CW	S3	04	-111	0	0	0	0	-111	0	-111	c) C	0	0	-111	0	0	0	0	0	-111
Sub-total				404	0	0	0	0	404	0	404	0	C	0	0	404	0	0	0	0	0	404
B ENGINEERING STUDIES																						
	Diect No. Project Name bProj No. Sub-project Name HORGAN W.T.P. EXPANSION PLANT EXPANSION - CONSTRUCTION SUPERNATANT AND FORCEMAIN INSTALLATION PLANT EXPANSION - CONSTRUCTION PLANT EXPANSION - CONSTRUCTION PLANT EXPANSION - DESIGN & CONSTR ADMIN - 2016 SC Sub-total WATER STORAGE EXPANSION MILLIKEN PS & RESERVOIR-DESIGN&CONT ADMIN-2016 CLARK RESIDUE MGMT. FACILITIES RESIDUALS RETROFITS & UPGRADES RESIDUALS RETROFITS & UPGRADES RESIDUALS RETROFITS & UPGRADES RESIDUALS RETROFITS & UPGRADES RESIDUALS RETROFITS AND UPGRADES-2016 SC Sub-total WATER EFFICIENCY PROGRAM ICI INDOOR WATER AUDIT PUBLIC EDUCATION & PROMOTIONS ANCILLARY COSTS WATER EFFICIENCY FUTURE YEAR SUB-total SUMMERIZATION PLANT WINTERIZATION & SUMMERIZATION & SUMMERIZATION SUMBERIZATION & SUMMERIZATION SUMERIZATION & SUMMERIZATION SUMERIZATION & SUMMERIZATION SUMERIZATION & SUMERIZATION SUM	Diect No. Project Name bProj No. Sub-project Name Ward HORGAN W.T.P. EXPANSION PLANT EXPANSION - CONSTRUCTION CW SUPERNATANT AND FORCEMAIN INSTALLATION PLANT EXPANSION - CW CONSTRUCTION-2016 SC SUPERNATANT & FORCEMAIN-2016 SC SUPERNATANT & FORCEMAIN-2016 SC SUPERNATANT & FORCEMAIN-2016 SC SUB-total WATER STORAGE EXPANSION MILLIKEN PS & CW RESERVOIR-DESIGN&CONT ADMIN-2016 DUFFERIN RES.EXT-DESIGN AND CONT. CW ADMIN - 2016 SC Sub-total CLARK RESIDUE MGMT. FACILITIES RESIDUALS RETROFITS & UPGRADES CW RESIDUALS RETROFITS & UPGRADES CW RESIDUALS RETROFITS AND UPGRADES-2016 SC Sub-total WATER EFFICIENCY PROGRAM ICI INDOOR WATER AUDIT CW PUBLIC EDUCATION & PROMOTIONS CW ANCILLARY COSTS CW WATER EFFICIENCY FUTURE YEAR CW Sub-total SILAND PLANT WINTERIZATION PLANT WINTERIZATION & CW SUMMERIZATION & CW	Diect No. Project Name Diect No. Sub-project Name Ward Stat.	Diect No. Project Name Project Name Proj No. Sub-project Name Project	Diject No. Project Name Ward Stat. Cat. 2016	Curre	Diect No. Project Name Ward Stat. Cat. 2016 2017 2018	Digition Project Name Digition Project Name Ward Stat. Cat. 2016 2017 2018 2019	Current and Future Year Cash Flotogiet No. Project Name Ward Stat. Cat. 2016 2017 2018 2019 2020	Diect No. Project Name Diect No. Project Name Ward Stat. Cat. 2016 2017 2018 2019 2020 2016-2020 2016 2017 2018 2019 2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2	Diect No. Project Name	Digitar No. Project Name Ward Stat. Cat. 2016 2017 2018 2019 2020 2016-2021 2011-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025 2016-2025	Current and Future Year Cash Flow Commitments Current and Future Year Cash Flow Commitments Proposed Name Proposed Name Ward Stat. Cat. 2016 2017 2018 2019 2020 2018 2012 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2019 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2018 2020 2020 2018 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2	Diest No. Project Name	Dick No	Current and Future Year Cash Flow Commitments	Signature Project Name Name Sub-project Name Name Sub-project Name Name	Purple No. Public Name P	Company Comp	Current Amenican	Property Name Property Nam	Property Name

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

0 0 0	oritySul 000363	bProj No. B ENGINEE	Project Name Sub-project Name					Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rent and Fut	ture Year	Cash Flow	Commi	itments F	inanced E	Зу	
0 0 0 0	oritySul 000363 2 18	bProj No. B ENGINEE																						
0 0 0	2			Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges F	Reserves	Reserve Funds 0	Capital from Current	Other 1	Other2	Debt - Recoverat Debt	le Total Financin
0 0 0	18	IMPROVE	RING STUDIES																					
0		IIVIPROVE	D TREATMENT STUDIES	CW	S2	04	207	50	0	0	0	257	0	257	0	0	0	0	257	0	0	0	0	0 25
0	31	CONTROL ABATEME	LLED SUBSTANCES ID AND ENT	CW	S2	02	68	70	60	0	0	198	0	198	0	0	0	0	198	0	0	0	0	0 19
	31	ENERGY	EFFICIENCY IMPLEMENTATION	CW	S2	04	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0 10
0	38	CORROSI	ON CONTROL	CW	S2	02	404	0	0	0	0	404	0	404	0	0	25	0	379	0	0	0	0	0 40
-	64	IMPROVE SC	D TREATMENT STUDIES-2016	CW	S3	04	160	210	0	0	0	370	0	370	0	0	0	0	182	0	0	188	0	0 37
0	65	SCRUBBE IMPROVE	ER AND TONNER CONNECTION MENTS	CW	S4	04	100	915	730	105	5	1,855	0	1,855	0	0	0	0	1,855	0	0	0	0	0 1,85
0	68		LLED SUBSTANCES ID AND :NT-2016 SC	CW	S3	02	132	130	140	0	0	402	0	402	0	0	0	0	402	0	0	0	0	0 40
0	69		EFFICIENCY NTATION-2016 SC	CW	S3	04	-95	105	125	0	0	135	0	135	0	0	0	0	135	0	0	0	0	0 13
0	70	FACILITY	FORECAST/SOGR FUNDING	CW	S6	03	0	0	110	50	50	210	250	460	0	0	0	0	460	0	0	0	0	0 46
0	71	CORROSI	ION CONTROL-2016 SC	CW	S3	02	193	0	0	0	0	193	0	193	0	0		0	181	0			0	0 19
			Sub-total				1,269	1,480	1,165	155	55	4,124	250	4,374	0	0	37	0	4,149	0	0	188	0	0 4,37
WAT9	906334	BUSINES	S SYSTEM INFRASTRUCTURE -	PW																				
0	7	NETWOR	K EQUIPMENT REPLACEMENT	CW	S2	03	38	0	0	0	0	38	0	38	0	0	0	0	38	0	0	0	0	0 3
0	8	NETWORI REPLACE	K CABLE LIFECYCLE MENT	CW	S2	03	1,834	2,050	1,500	0	0	5,384	0	5,384	0	0	0	0	5,384	0	0	0	0	0 5,38
0	9	TRUNK RA	ADIO SYSTEM	CW	S2	04	200	100	250	750	250	1,550	280	1,830	0	0	0	0	1,830	0	0	0	0	0 1,83
0	12	PCS LEG	ACY ALARM IMPROVEMENT	CW	S2	04	600	0	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0 60
0	23	RELIABILI	ITY IMPROVEMENT PROGRAM	CW	S2	04	885	0	0	0	0	885	0	885	0	0	0	0	885	0	0	0	0	0 88
0	41	BUSINESS PHASE 2	S & TECH IMPROVEMENT -	CW	S2	04	3,364	4,405	5,710	6,715	3,900	24,094	3,660	27,754	0	0	0	0	27,754	0	0	0	0	0 27,75
	42		RADES FOR WATER SUPPLY		S2		1,284	219	0	0	0	1,503	0	1,503	0	0		0	1,503	0	0	0	0	0 1,50
0	43	10 YEAR F				04	0	0	257	407	407	1,071	7,722	8,793	0	0	0	0	8,793	0	0	0	0	0 8,79
	61	FUTURE \					0	0	0	200	200	400	1,000	1,400	0			0	1,400	0	0	0	0	0 1,40
	67		PGRADES FOR WWT - II		S2		415	400	600	350	0	1,765	0	1,765	0	_		0	•	0	0	0	0	0 1,76
	76	REPLACE	K EQUIPMENT LIFE CYCLE MENT-2016 SC		S3		3	0	0	0		3	0	3	0			0	3	0			0	0
U	77	SCADA UI	PGRADES FOR WWT-2016 SC	CW	S3	04	0	292	50	445	300	1,087	-3,500	-2,413	0	0	0	0	-2,413	0	0	0	0	0 -2,41

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

					ĺ		Curre	ent and Fu	iture Year	Cash Flov	w Commitr	nents			Cur	rent and F	ıture Year	Cash Flo	w Comm	nitments	Financed	Ву		
Sub Prio		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal I	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE	- PW																					
0	78	NETWORK CABLE LIFE CYCLE REPLACEMENT-2016 SC	CW	S3	03	-1,739	-2,050	-1,500	0	0	-5,289	0	-5,289	0	0	0	0	-5,289	0	0 (0 0	0	0	-5,289
0	79	RELIABILITY IMPROVEMENT PROGRAM-2016 SC	CW	S3	04	-305	585	400	0	0	680	0	680	0	0	0	0	680	0	0 (0 0	0	0	680
0	80	PCS LEGACY ALARM IMPROVEMENT -2016 SC	CW	S3	04	-200	200	0	0	0	0	0	0	0	0	0	0	0	0	0 (0 0	0	0	0
0	81	PCS UPGRADES FOR WATER SUPPLY-2016 SC	CW	S3	04	188	-187	0	0	0	1	0	1	0	0	0	0	1	0	0 (0 0	0	0	1
0	82	SCADA UPGRADES FOR WWT - II -2016 SC	CW	S3	04	1,222	1,126	0	100	400	2,848	0	2,848	0	0	0	0	2,848	0	0 (0 0	0	0	2,848
0	83	NETWORK IMPROVEMENTS - 10 YEAR	CW	S6	04	0	0	1,650	1,230	1,230	4,110	6,370	10,480	0	0	0	0	10,480	0	0 (0 0	0	0	10,480
0	84	TRUNK RADIO SYSTEM-2016 SC	CW	S3	04	-170	300	-250	-750	-250	-1,120	-280	-1,400	0	0	0	0	-1,400	0	0 (0 0	0	0	-1,400
0	85	NETWORK IMPROVEMENTS	CW	S4	04	1,813	1,473	340	0	0	3,626	0	3,626	0	0	0	0	3,626	0	0 (0 0	0	0	3,626
		Sub-total				9,432	8,913	9,007	9,447	6,437	43,236	15,252	58,488	0	0	0	0	58,488	C	0 (0 0	0	0	58,488
WAT	906340	METERING & METER READING SYS																						
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	30,367	2,515	0	0	0	32,882	0	32,882	0	0	0	0	32,882	0	0 (0 0	0	0	32,882
0	17	AUTOMATED METER READING SYSTEM-2016 SC	CW	S3	04	-22,068	4,465	2,000	915	545	-14,143	0	-14,143	0	0	0	0	-14,143	0	0 (0 0	0	0	-14,143
		Sub-total				8,299	6,980	2,000	915	545	18,739	0	18,739	0	0	0	0	18,739	С) (0 0	0	0	18,739
WAT	906467	AVENUE ROAD TRUNKMAIN REPLACEM	<u>ENT</u>																					
0	2	AVENUE RD WM CONSTRUCTION - HI LEVELTO LAWRENCE	CW	S2	03	1,000	0	0	0	0	1,000	0	1,000	0	0	504	0	309	0	0 (0 187	0	0	1,000
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	90	0	0	0	0	90	0	90	0	0	45	0	28	0	0 (0 17	0	0	90
0	27	JOS-AVENUEWM ENG - HI LEVEL TO LAWRENCE-2016 SC	CW	S3	03	35	0	0	0	0	35	0	35	0	0	18	0	10	0	0 (0 7	0	0	35
0	28	AVENUE RD WM CONS - HI LEVELTO LAWRENCE - 2016 SC	CW	S3	03	-521	0	0	0	0	-521	0	-521	0	0	-263	0	-161	0	0 (0 -97	0	0	-521
		Sub-total				604	0	0	0	0	604	0	604	0	0	304	0	186	С) (0 114	0	0	604
WAT	906468	HORGAN TRUNK MAIN EXPANSION																						
0	1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	1,100	900	600	50	50	2,700	0	2,700	0	0	1,025	0	799	С	0 (0 876	0	0	2,700
0	3	JOS - HORGAN TO ELLESMERE WM - CONSTRUCTION	CW	S2	05	5,000	30,000	26,000	2,000	0	63,000	0	63,000	0	0	23,911	0	18,639	0) (0 20,450	0	0	63,000
0	44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	0	0	1,000	1,000	22,000	23,000	0	0	8,731	0	14,269	0) (0 0	0	0	23,000
0	49	JOS - HORGAN TO ELLESMERE WM - ENG - 2016 SC	CW	S3	05	-1,100	-900	-600	-50	-50	-2,700	0	-2,700	0	0	-1,025	0	-799	C	0 (0 -876	0	0	-2,700
0	50	JOS - HORGAN TO ELLESMERE WM - CONS-2016 SC	CW	S3	05	-5,000	-30,000	-26,000	-2,000	0	-63,000	0	-63,000	0	0	-23,911	0	-18,639	0) (0 -20,450	0	0	-63,000

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

							Curre	ent and Fu	ture Year	Cash Flov	v Commitm	ents			Curr	ent and Fu	ıture Year	Cash Flo	w Comm	itments	Finance	d By		
<u>Sub</u> Prio		iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal D	evelopment Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	2 De	Debt - Recoverable bt	Total Financing
WAT	006468	HORGAN TRUNK MAIN EXPANSION																						
0	51	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S6	05	0	50	600	700	450	1,800	1,760	3,560	0	0	1,353	0	2,207	0		0	0	0 (3,560
		Sub-total				0	50	600	700	1,450	2,800	23,760	26,560	0	0	10,084	0	16,476	0		0	0	0	26,560
WAT	906470	ISLAND W.T.P. R&R																						
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	680	485	250	250	50	1,715	10	1,725	0	0	0	0	1,725	0		0	0	0 (1,725
0	11	CHEMICAL & RESIDUALS MANAGMENT CONST	CW	S2	02	1,850	7,000	7,000	7,000	2,000	24,850	0	24,850	0	0	1,512	0	23,338	0		0	0	0 (24,850
0	28	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2016 SC	CW	S3	02	-410	209	90	150	350	389	90	479	0	0	0	0	479	0		0	0	0 (479
0	29	CHEMICAL & RESIDUALS MANAGMENT CONST-2016 SC	CW	S3	02	150	1,000	400	-4,500	1,500	-1,450	1,500	50	0	0	3	0	47	0		0	0	0 (50
		Sub-total				2,270	8,694	7,740	2,900	3,900	25,504	1,600	27,104	0	0	1,515	0	25,589	0		0	0	0	27,104
WAT	906481	DISTRICT WATERMAINS - NEW																						
0	1	DIST W/MAINS NEW	CW	S2	05	500	0	0	0	0	500	0	500	0	0	500	0	0	0		0	0	0 (500
0	3	NEW WM - 10 YEAR	CW	S6	05	0	0	500	500	500	1,500	2,500	4,000	0	0	4,000	0	0	0		0	0	0 (4,000
0	14	NEW WM -2016 SC	CW	S3	05	-450	500	0	0	0	50	0	50	0	0	50	0	0	0		0	0	0 (50
		Sub-total				50	500	500	500	500	2,050	2,500	4,550	0	0	4,550	0	0	0		0	0	0	4,550
WAT	906483	PW ENGINEERING																						
0	2	CAPITAL PRGMG & FACILITY ASSET PLANNING	CW	S2	03	1,669	1,800	500	0	0	3,969	0	3,969	0	0	0	0	3,969	0		0	0	0 (3,969
0	5	WATERMAIN ASSET PLANNING	CW	S2	03	985	685	135	0	0	1,805	0	1,805	0	0	451	0	1,354	0		0	0	0 (1,805
0	7	EASEMENT ACQUISITION	CW	S2	04	300	0	0	0	0	300	0	300	0	0	0	0	300	0		0	0	0 (300
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	570	1,300	1,000	1,000	0	3,870	0	3,870	0	0	0	0	3,870	0		0	0	0 (3,870
0	37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S4	04	100	1,000	1,000	1,000	1,000	4,100	3,500	7,600	0	0	1,900	0	5,700	0		0	0	0 (7,600
0	38	WATERMAIN ASSET PLANNING - 10 YEA	R CW	S6	04	0	0	0	500	800	1,300	2,100	3,400	0	0	850	0	2,550	0		0	0	0 (3,400
0	52	JOS UPDATE PHASE II	CW	S2	05	1,000	500	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0		0	0	0 (1,500
0	53	EASEMENT ACQUISITION - 10 YEAR	CW	S6	04	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0		0	0	0 (4,000
0	59	WATERMAIN ASSET PLANNING-2016 SC	: CW	S3	03	-175	313	456	145	0	739	0	739	0	0	184	0	-451	0		0 1,00	6	0 (739
0	60	JOS UPDATE PHASE II-2016 SC	CW	S3	05	-500	500	500	0	0	500	0	500	0	0	1,000	0	-1,500	0		0 1,00	0	0 (500
0	61	CAPITAL PROG& FACILITY ASSET PLANNING-2016 SC	CW	S 3	03	-318	1,868	2,700	585	0	4,835	0	4,835	0	0	0	0	4,835	0		0	0	0 (4,835

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

		<u> </u>											-											
							Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flow	v Commi	tments F	inanced	Ву		
Sub- Prior		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds (Capital from Current	Other 1	Other2	Debt Debt		Total Financing
	-	PW ENGINEERING												Cubolaloo										
0		WATER LOSS REDUCTION STRATEGY-2016 SC	CW	S3	03	-363	-800	338	0	1,000	175	0	175	C	0	0	0	175	0	0	0	0	0	175
0	63	EASEMENT ACQUISITION-2016 SC	CW	S3	04	200	500	0	0	0	700	0	700	С	0	0	0	700	0	0	0	0	0	700
		Sub-total				3,468	7,666	7,129	3,730	3,300	25,293	8,100	33,393	0	0	4,385	0	27,002	0	0	2,006	0	0	33,393
WAT9	06749	DOWNTOWN W/M ENHANCEMENT																						
0	1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	15	7	0	0	0	22	0	22	С	0	4	0	2	0	0	16	0	0	22
0		JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	7,806	0	0	0	0	7,806	0	7,806	С	0	1,554	0	283	0	0	5,969	0	0	7,806
0		JOS - GERRARD ST WM - CONSTRUCTION -2016 SC	CW	S3	03	-7,161	5,300	0	0	0	-1,861	0	-1,861	С	0	-371	0	-67	0	0	-1,423	0	0	-1,861
0		JOS - GERRARD ST WM - ENGINEERING-2016 SC	CW	S 3	03	55	5	0	0	0	60	0	60	С	0	11	0	3	0	0	46	0	0	60
		Sub-total				715	5,312	0	0	0	6,027	0	6,027	0	0	1,198	0	221	0	0	4,608	0	0	6,027
WAT9	06752	TRANSMISSION R&R																						
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	545	0	0	0	0	545	0	545	С	0	0	0	545	0	0	0	0	0	545
0	50	10 YR TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	250	250	500	1,250	1,750	С	0	0	0	1,750	0	0	0	0	0	1,750
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	9,405	2,420	113	30	0	11,968	0	11,968	С	0	0	0	11,968	0	0	0	0	0	11,968
0		CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,300	1,000	125	75	0	2,500	0	2,500	С	0	0	0	2,500	0	0	0	0	0	2,500
0		CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S4	03	2,000	3,500	2,650	0	0	8,150	0	8,150	С	0	0	0	8,150	0	0	0	0	0	8,150
0	71	TRUNK WATERMAIN REHAB-2016 SC	CW	S3	03	-295	250	250	0	0	205	0	205	С	0	0	0	205	0	0	0	0	0	205
0		CAST IRON TRUNK REPLC - PHASE 3 - ENG-2016 SC	CW	S3	03	0	47	-41	-61	0	-55	0	-55	С	0	0	0	-55	0	0	0	0	0	-55
0		CAST IRON TRUNK REPLC - PHASE 2-2016 SC	CW	S3	03	0	5,337	247	72	69	5,725	0	5,725	C	0	0	0	5,725	0	0	0	0	0	5,725
		Sub-total				12,955	12,554	3,344	366	319	29,538	1,250	30,788	0	0	0	0	30,788	0	0	0	0	0	30,788
WAT9	06900	TRANSMISSION R&R																						
0	1	TRANS FACILITIES REHAB	CW	S2	03	475	135	25	0	0	635	0	635	С	0	0	0	635	0	0	0	0	0	635
0	6	ELLESMERE P.S. UPGRADE	CW	S2	05	25	525	0	0	0	550	0	550	С	0	127	0	75	0	0	348	0	0	550
0	7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	0	6,000	10,300	16,300	37,850	54,150	С	0	0	0	54,150	0	0	0	0	0	54,150
0	26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	534	0	0	0	0	534	0	534	С	0	0	0	534	0	0	0	0	0	534
0	27	EGLINTON PS -PUMP REPLC	CW	S2	03	44	0	0	0	0	44	0	44	C	0	0	0	44	0	0	0	0	0	44

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

_		- 3										1										—	
						Cur	rent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	ture Year	Cash Flo	w Comm	itments F	inanced		_	
Sub	<u>- Pro</u>	pject No. Project Name								Total	Total	Total	Provincial	Federal	Development		Reserve	Capital from			Debt - Recovera		Total
		bProj No. Sub-project Name	Ward	Stat.	Cat. 2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Grants and Subsidies	Subsidy	Charges	Reserves		Current	Other 1	Other2	Debt	_ֈ՛	Financing
WAT	906900	TRANSMISSION R&R																					
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03 15,54	3 5,485	353	7	0	21,388	0	21,388	C) (0	0	21,388	0	0	0	0	0	21,388
0	43	DOWNSVIEW PS - Construction	CW	S6	05	0 0	0	2,000	2,500	4,500	9,500	14,000	C) C	0	0	14,000	0	0	0	0	0	14,000
0	44	PUMPING STATION REHAB - Engineering	g CW	S6	03	0 0	0	0	250	250	7,400	7,650	C) (0	0	7,650	0	0	0	0	0	7,650
0	45	PUMPING STATION REHAB - Construction	on CW	S6	03	0 0	0	3,500	5,000	8,500	34,000	42,500	C) (0	0	42,500	0	0	0	0	0	42,500
0	47	DOWNSVIEW PS - Engineering	CW	S6	05	0 30	130	350	450	960	960	1,920	C) с	0	0	1,920	0	0	0	0	0	1,920
0	48	ROSEHILL RESERVOIR	CW	S2	03 8,00	0 7,500	500	0	0	16,000	0	16,000	C) с	0	0	16,000	0	0	0	0	0	16,000
0	49	DOWNSVIEW PS & CONNECTOR	CW	S2	05 15	0 60	0	0	0	210	0	210	C) с	0	0	210	0	0	0	0	0	210
0	50	PARKDALE PS REHABILITATION	CW	S2	03 1,50	0 1,000	0	0	0	2,500	0	2,500	C) с	0	0	2,500	0	0	0	0	0	2,500
0	51	ROSEHILL PS REHAB	CW	S2	03 97	5 100	0	0	0	1,075	0	1,075	C) с	0	0	1,075	0	0	0	0	0	1,075
0	62	DOWNSVIEW PS & CONNECTOR EA-20 SC	16 CW	S3	05 20	0 170	0	0	0	370	0	370	C) с	0	0	370	0	0	0	0	0	370
0	63	PARKDALE PS REHABILITATION-2016 S	sc cw	S3	03 -18	7 1,680	1,757	21	0	3,271	0	3,271	C) с	0	0	3,271	0	0	0	0	0	3,271
0	64	TRANS FACILITIES REHAB-2016 SC	CW	S3	03 27	5 615	725	0	0	1,615	0	1,615	C) с	0	0	1,615	0	0	0	0	0	1,615
0	65	ELLESMERE P.S. UPGRADE-2016 SC	CW	S3	05 -2	5 -525	0	0	0	-550	0	-550	C) с	-127	0	-75	0	0	-348	0	0	-550
0	66	ROSEHILL PS REHAB-2016 SC	CW	S3	03 -64	0 1,686	2,786	1,144	11	4,987	11	4,998	C) с	0	0	4,998	0	0	0	0	0	4,998
0	67	ARMOUR HEIGHTS PUMP#2 REPLC	CW	S4	03 10	0 900	900	100	0	2,000	0	2,000	C) с	0	0	2,000	0	0	0	0	0	2,000
0	68	ST CLAIR RESERVOIR REHAB/QUALITY PROTECTION-2016SC	CW	S3	03 -11,19	3 8,375	7,560	0	0	4,742	0	4,742	C) с	0	0	4,742	0	0	0	0	0	4,742
0	69	SCARBOROUGH PS - PUMP REPLC-20°	16 CW	S3	03 -37	0 0	0	0	0	-370	0	-370	C) (0	0	-370	0	0	0	0	0	-370
0	70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0 0	0	750	750	1,500	3,750	5,250	C) (0	0	5,250	0	0	0	0	0	5,250
0	71	EGLINTON PS - PUMP REPLC-2016 SC	CW	S3	03	8 0	0	0	0	8	0	8	C) (0	0	8	0	0	0	0	0	8
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S6	03	0 400	500	550	950	2,400	1,500	3,900	C) (0	0	3,900	0	0	0	0	0	3,900
0	73	ROSEHILL RESERVOIR-2016 SC	CW	S3	03 -7,35	1 3,800	10,000	4,600	0	11,049	0	11,049	C) (0	0	11,049	0	0	0	0	0	11,049
0	74	PS REHAB - PHASE 2 - ENG	CW	S6	03	0 200	600	700	1,300	2,800	2,200	5,000	C) (0	0	5,000	0	0	0	0	0	5,000
		Sub-total			8,06	3 32,136	25,836	19,722	21,511	107,268	97,171	204,439	0	C	0	0	204,439	0	0	0	0	0	204,439
WAT	906902	HARRIS W.T.P. R&R																					

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

					Ì		Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u> Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
		HARRIS W.T.P. R&R						-						Cubsidies							-			
0	2	BUILDING ENVELOPE REHAB	CW	S2	03	13	0	0	0	0	13	0	13	0	0	0	0	13	0) (0 0	0	0	13
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	500	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0) (0 0	0	0	1,000
0	21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,220	1,000	580	0	0	2,800	0	2,800	0	0	0	0	2,800	0) (0 0	0	0	2,800
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,600	775	25	0	0	4,400	0	4,400	0	0	0	0	4,400	0) (0 0	0	0	4,400
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	12,609	8,110	2,103	7	0	22,829	0	22,829	0	0	0	0	22,829	0) (0 0	0	0	22,829
0	70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	0	150	0	150	300	150	450	0	0	0	0	450	0) (0 0	0	0	450
0	71	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0) (0 0	0	0	4,000
0	78	ENERGY OPTIMIZATION	CW	S6	04	0	200	1,000	1,000	0	2,200	0	2,200	0	0	0	0	2,200	0) (0 0	0	0	2,200
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	950	50	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0) (0 0	0	0	1,000
0	80	FACILITY INFRASTRUCTURE REHAB	CW	S6	03	0	1,000	1,000	0	0	2,000	0	2,000	0	0	0	0	2,000	0) (0 0	0	0	2,000
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	320	200	0	0	0	520	0	520	0	0	0	0	520	0) (0 0	0	0	520
0	82	PD2 OPTIMIZATION	CW	S2	03	90	0	0	0	0	90	0	90	0	0	0	0	90	0) (0 0	0	0	90
0	85	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	0	0	450	450	45,050	45,500	0	0	0	0	45,500	0) (0 0	0	0	45,500
0	92	HARRIS DISINFECTION MODIFICATIONS	CW	S2	04	250	1,500	3,500	3,500	0	8,750	0	8,750	0	0	532	0	8,218	0) (0 0	0	0	8,750
0	93	LIQUID CHEMICAL SYSTEM RELOCATION	1 CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0) (0 0	0	0	20
0	95	HARRIS FILTERS REHABILITATION - PILOT-2016 SC	CW	S3	03	-3,250	2,665	697	0	0	112	0	112	0	0	0	0	112	0) (0 0	0	0	112
0	96	LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2016 SC	CW	S3	04	-113	1,201	1,148	7	0	2,243	0	2,243	0	0	0	0	2,243	0) (0 0	0	0	2,243
0	97	PD2 OPTIMIZATION-2016 SC	CW	S3	03	-90	0	0	0	0	-90	0	-90	0	0	0	0	-90	0) (0 0	0	0	-90
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S4	03	200	200	200	200	200	1,000	200	1,200	0	0	0	0	1,200	0) (0 0	0	0	1,200
0	99	CONTROL ROOM RELOCATION	CW	S4	04	75	525	0	0	0	600	0	600	0	0	0	0	600	0) (0 0	0	0	600
0	100	EMERGENCY STANDBY POWER	CW	S4	04	150	850	5	0	0	1,005	0	1,005	0	0	0	0	1,005	0) (0 0	0	0	1,005
0	102	PHONE SYSTEM UPGRADE	CW	S4	03	70	510	0	0	0	580	0	580	0	0	0	0	580	0) (0 0	0	0	580
0	103	REHAB OF SETTLING BASIN ROOF&SLUICE GATES-2016 SC	CW	S3	03	-2,209	1,290	3,281	16	0	2,378	0	2,378	0	0	0	0	2,378	0) (0 0	0	0	2,378
0	104	EXTERIOR SECURITY LIGHTING UPGRADES-2016 SC	CW	S3	03	-950	-50	100	550	550	200	0	200	0	0	0	0	200	0) (0 0	0	0	200

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

vvalei	Frogram																							
							Curre	ent and Fu	uture Year	Cash Flov	w Commitn	nents			Cui	rent and Fu	ıture Year	Cash Flo	w Comm	itments	Finance	d Ву		
	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	I Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - overable	Total Financing
-	902 HARRIS													Cuboraroo										
0 10	5 HARRIS	DISINFECTION CATIONS-2016 SC	CW	S3	04	-250	-1,500	-3,500	-3,500	0	-8,750	0	-8,750	0	0	-532	0	-8,218	0) () (0	0	-8,750
0 10	6 BUILDIN	G ENVELOPE REHAB-2016 SC	CW	S3	03	113	0	0	0	0	113	0	113	0	0	0	0	113	0) () (0	0	113
0 10	7 HVAC RE	EHAB CONSTRUCTION-2016 SC	CW	S3	03	-738	1,467	267	0	0	996	0	996	o	0	0	0	996	0) () (0	0	996
0 10	8 TRAVEL	LING 3 & 5 UPGRADE	CW	S4	03	750	0	0	0	0	750	0	750	0	0	0	0	750	0) () (0	0	750
		Sub-total				13,330	20,493	11,056	2,280	1,850	49,009	47,900	96,909	0	0	0	0	96,909	0) () (0 0	0	96,909
WAT9069	903 FJ HORO	GAN W.T.P. R&R																						
0 5	FACILITY	Y & PROCESS UPGRADES	CW	S2	03	1,160	300	0	0	0	1,460	0	1,460	o	0	0	0	1,460	0) () (0	0	1,460
0 15	REPLAC	EMENT OF MCCS	CW	S2	03	2,290	2,233	1,100	320	149	6,092	0	6,092	0	0	0	0	6,092	0) () (0	0	6,092
0 16	REPLAC		CW	S2	03	500	2,500	1,950	0	0	4,950	0	4,950	0	0		0	4,950	0				0	4,950
0 28	FUTURE		CW		03	0	0	200	200	200	600	1,000	1,600	0	0		0	1,600	0				0	1,600
0 31	UPGRAD		CW		04	75	855	1,375	1,825	10	4,140	10	4,150	0	_		0	4,150	0				0	4,150
0 32	CHEM U	ROUNDING SYSTEM & BULK NLOADING IMPRO RENOVATION	CW		04	700	0	0	100	675	700 775	1,054	700 1,829	0			0	700 1,829	0				0	700 1,829
0 33		D WATER PUMP UPGRADES	CW	S2	03	1,850	550	0	0	0/3	2,400	0	2,400	0	0		0	2,400	0				0	2,400
0 46		ORE CHLORINATION	CW		03	-500	-2,500	-1,950	0	0	-4,950	0	-4,950	0	0		0	-4,950	0				0	-4,950
	RELOCA	TION-2016 SC						,		_				•										
0 47	SC	Y & PROCESS UPGRADES-2016	CW		03	0	216	0	0	0	216	0	216	0	·		0	216	0				0	216
0 48	UPGRAD	D WATER PUMP DES-2016 SC	CW		04	-550	1,340	0	0	0	790	0	790	0			0	790	0				0	790
0 49	CHEM U	ROUNDING SYSTEM&BULK NLOADING-2016SC	CW		04	-365	500	3	3	0	141	0	141	0	0		0	141	0				0	141
0 51		ROAD REPAVING-2016 SC	CW		03	-1,230	32	1,300	-70	3	200	19	200 54	0			0	200 54	0				0	200 54
0 32	. KEI EAO	Sub-total	0.11	00		4,130	6,026	3,978	2,378	1,037	17,549	2,083	19,632	0	0		0		0					19,632
WAT9069	906 TRUNK	WATERMAIN EXPANSION				.,.50	-,0	-,0	_,	.,	11,510	_,						,				- -		
0 25	JOS WM MIDLANI	I SCAR PS TO ST CLAIR AND D - ENG	CW	S2	05	600	700	400	50	50	1,800	0	1,800	0	0	862	0	530	0) (408	3 0	0	1,800
0 67	JOS -WN (ENG)-20	M Scar PS to St. Clair&Midland 016 SC	CW	S3	05	0	-96	50	123	-29	48	0	48	0	0	23	0	14	0) () 11	0	0	48

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

rrator i	Togram																						
						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	iture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
	06 TRUNK WATERMAIN EXPANSION			-									Cubsidies									\exists	
0 68	JOS -WM Scar PS to St. Clair and Midland (CONST)	CW	S6	05	0	3,000	12,000	12,000	3,000	30,000	0	30,000	a	C	14,372	0	8,812	0	0	6,816	0	0	30,000
	Sub-total				600	3,604	12,450	12,173	3,021	31,848	0	31,848	0	(15,257	0	9,356	0	0	7,235	0	0	31,848
WAT90691	4 SWITCH GEAR TRANSFORMER																						
0 13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	5,400	3,703	0	0	0	9,103	0	9,103	o	(0	0	9,103	0	0	0	0	0	9,103
0 28	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2016 SC	CW	S3	03	-1,100	-578	0	0	0	-1,678	0	-1,678	0	(0	0	-1,678	0	0	0	0	0	-1,678
	Sub-total				4,300	3,125	0	0	0	7,425	0	7,425	0	C	0	0	7,425	0	0	0	0	0	7,425
WAT90691	TRANSMISSION OPERATIONS OPTIMIZE	<u>ER</u>																				T	
0 11	TRANSMISSION OPERATIONS OPTIMIZER - 2016 SC	CW	S3	04	2	0	0	0	0	2	0	2	O	C	0	0	1	0	0	1	0	0	2
	Sub-total				2	0	0	0	0	2	0	2	0	C	0	0	1	0	0	1	0	0	2
WAT90691	8 WATER SUSTAINABILITY PROGRAM																						
0 1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	13,307	7,205	20	2	0	20,534	0	20,534	О	(1,248	0	19,286	0	0	0	0	0	20,534
0 12	STANDBY POWER - ROSEHILL	CW	S2	04	4,850	4,800	0	0	0	9,650	0	9,650	o	(0	0	9,650	0	0	0	0	0	9,650
0 17	WATER SUSTAINABILITY PROG STANDBY POWER-2016 SC	CW	S3	04	-3,007	9,207	0	0	0	6,200	0	6,200	o	(377	0	-2,225	0	0	8,048	0	0	6,200
0 18	STANDBY POWER - ROSEHILL-2016 SC	CW	S3	04	-4,453	-1,456	4,344	5,167	1,815	5,417	15	5,432	0	C	906	0	1	0	0	4,525	0	0	5,432
	Sub-total				10,697	19,756	4,364	5,169	1,815	41,801	15	41,816	0	C	2,531	0	26,712	0	0	12,573	0	0	41,816
WAT90691	9 RL CLARK W.T.P. R&R																					\exists	
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	215	150	0	0	0	365	0	365	О	(0	0	365	0	0	0	0	0	365
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,275	1,037	1,225	25	0	3,562	0	3,562	o	(217	0	3,345	0	0	0	0	0	3,562
0 12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	150	150	300	750	1,050	0	C	0	0	1,050	0	0	0	0	0	1,050
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	7,800	21,000	12,215	0	0	41,015	0	41,015	0	(2,495	0	38,520	0	0	0	0	0	41,015
0 44	EVALUATION & COMMUNICATION SYSTEMS	CW	S2	03	600	25	5	0	0	630	0	630	0	(0	0	630	0	0	0	0	0	630
0 64	PROCESS EQUIPMENT UPGRADE CONSTRUCTION-2016 SC		S3	03	0	0	0	82	0	82	0	82	0	(0	78		0	0	0	0	82
0 65	PROCESS EQUIPMENT UPGRADE ENGINEERING-2016 SC	CW	S3	03	-395	-25	-745	1,367	60	262	0	262	0	(17	0	245		0	0	0	0	262
0 66	EVACUATION AND COMMUNICATION SYSTEMS-2016 SC	CW	S3	03	0	283	0	0	0	283	0	283	0	(0	0	283	0	0	0	0	0	283

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

Water Program	

						Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
Priority		Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
	919 RL CLARK W.T.P. R&R																						
0 67	FACILITY & PROCESS UPGRADES-2016 SC	CW	S3	03	-65	0	150	0	0	85	0	85	0	0	0	0	85	С	1 (0 0	(0 0	85
	Sub-total				9,430	22,470	12,850	1,624	210	46,584	750	47,334	0	0	2,733	0	44,601	C) (0 (0 0	47,334
WAT9069	930 DIST W/M REPLACEMENT																						
0 4	10 YEAR WATERMAIN REPLACEMENT	CW	S6	03	0	47,723	75,000	87,000	95,000	304,723	475,000	779,723	0	0	121,283	0	658,440	C) (0 0	(0 0	779,723
0 15	WM REPLC - STANDALONE	CW	S2	03	1,177	0	0	0	0	1,177	0	1,177	0	0	0	0	1,177	C) (0 0	C	0 0	1,177
0 39	DIST W/M REPLACEMENT 2013	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	C) (0 0	(0 0	500
0 42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	11,200	11,100	16,100	15,300	53,700	87,900	141,600	0	0	44,051	0	97,549	C) (0 0	C	0 0	141,600
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	6,764	0	0	0	0	6,764	0	6,764	0	0	0	0	6,764	C) (0 0	C	0 0	6,764
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	2,087	0	0	0	0	2,087	0	2,087	0	0	0	0	2,087	C) (0 0	C	0 0	2,087
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	50	1,000	1,000	1,000	0	3,050	0	3,050	0	0	0	0	3,050	C) (0 0	(0 0	3,050
0 63	DIST W/M REPLACEMENT - 2015	CW	S2	03	20,841	11,424	0	0	0	32,265	0	32,265	0	0	5,017	0	27,248	C) (0 0	C	0 0	32,265
0 64	WATERMAIN UPGRADES - 2015	CW	S2	05	3,292	1,204	0	0	0	4,496	0	4,496	0	0	1,399	0	3,097	C) (0 0	(0 0	4,496
0 71	DIST W/M REPLACEMENT - 2014-2016 SC	c cw	S3	03	-5,516	401	0	0	0	-5,115	0	-5,115	0	0	0	0	-5,115	C) (0 0	C	0 0	-5,115
0 72	DIST W/M REPLACEMENT - 2015-2016 SC	c cw	S3	03	0	-5,677	235	0	0	-5,442	0	-5,442	0	0	-844	0	-4,598	C) (0 0	C	0 0	-5,442
0 73	DIST W/M REPLACEMENT - 2016	CW	S4	03	34,067	19,562	8,427	0	0	62,056	0	62,056	0	0	9,650	0	52,406	C) (0 0	C	0	62,056
0 74	WATERMAIN UPGRADES - 2016	CW	S4	05	8,461	3,470	1,840	0	0	13,771	0	13,771	0	0	4,284	0	9,487	C) (0 0	C	0 0	13,771
0 75	WATERMAIN UPGRADES - 2014-2016 SC	CW	S3	05	-1,729	400	0	0	0	-1,329	0	-1,329	0	0	0	0	-1,329	C) (0 0	C	0 0	-1,329
0 76	WATERMAIN UPGRADES - 2015-2016 SC	CW	S3	05	-1,835	-867	0	0	0	-2,702	0	-2,702	0	0	-841	0	-1,861	C) (0 0	C	0	-2,702
0 77	2013 WM REPLC - UPGRADES-2016 SC	CW	S3	05	106	0	0	0	0	106	0	106	0	0	33	0	73	C) (0 0	C	0 0	106
0 78	WM REPLC - STANDALONE-2016 SC	CW	S3	03	-1,177	0	0	0	0	-1,177	0	-1,177	0	0	0	0	-1,177	C) (0 0	C	0 0	-1,177
0 79	DIST W/M REPLC - 2012-2016 SC	CW	S3	03	148	0	0	0	0	148	0	148	0	0	0	0	148	C) (0 0	C	0 0	148
0 80	2013 WM REPLC - SOGR-2016 SC	CW	S3	03	-480	0	0	0	0	-480	0	-480	0	0	0	0	-480	C) (0 0	C	0 0	-480
0 81	2011 WM REPLC-2016 SC	CW	S 3	03	4	0	0	0	0	4	0	4	0	0	0	0	4	C) (0 0	C	0 0	4
	Sub-total				66,760	89,840	97,602	104,100	110,300	468,602	562,900	1,031,502	0	0	184,032	0	847,470	C) (0 0	1	0 0	1,031,502
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CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

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							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	r Cash Flo	ow Comm	itments F	inanced	Ву		
<u>Sub</u> Prio		ject No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt		Total Financing
		DIST W/M REHABILITATION												Capararee									\neg	
0	3	10 YEAR WATERMAIN REHABILITATION	CW	S6	03	0	2,665	48,318	61,210	62,115	174,308	333,457	507,765	0	C) 0	0	507,765	0	0	0	0	0	507,765
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	О	(0	0	2,000	0	0	0	0	0	2,000
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	54,415	61,658	20,717	5,400	0	142,190	0	142,190	o	(0	0	142,190	0	0	0	0	0	142,190
0	7	CATHODIC PROTECTION	CW	S2	03	4,392	4,450	450	0	0	9,292	0	9,292	o	(0	0	9,292	. 0	0	0	0	0	9,292
0	30	CUT REPAIRS	CW	S2	03	2,765	0	0	0	0	2,765	0	2,765	O	() 0	0	2,765	0	0	0	0	0	2,765
0	34	CUT REPAIR - FUTURE	CW	S6	03	0	0	3,021	3,112	3,205	9,338	17,530	26,868	О	(0	0	26,868	0	0	0	0	0	26,868
0	46	WATERMAIN STRUCTURAL LINING-2016 SC	CW	S3	03	-10,957	-9,340	-6,088	-5,385	2	-31,768	0	-31,768	o	(0	0	-31,768	0	0	0	0	0	-31,768
0	47	HYDRANT & VALVE REPAIR-2016 SC		S3	03	1,845	500	0	0	0	2,345	0	2,345	0				,		0	0	0	0	2,345
0	49	CUT REPAIR-2016 SC	CW	S3	03	0	2,933	0	0	0	2,933	0	2,933	0				,,,,,				0	0	2,933
		Sub-total				53,460	63,866	66,418	64,337	65,322	313,403	350,987	664,390	0	(0	0	664,390	0	0	0	0	0	664,390
WAT	906934	DIST WATER SERVICE REPAIR																						
0	4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM	CW	S6	02	0	0	7,000	12,000	12,000	31,000	60,000	91,000	0	(0	0	91,000	0	0	0	0	0	91,000
0	6	10 YR WATER SERVICE REPAIR - SOGR	CW	S6	02	0	0	12,510	12,690	12,880	38,080	64,675	102,755	o	(0	0	102,755	0	0	0	0	0	102,755
0	12	ALL DISTRICT WSR - LEAD REPLACEMENT	CW	S2	02	9,250	9,250	0	0	0	18,500	0	18,500	O	() 0	0	18,500	0	0	0	0	0	18,500
0	32	WSR CUT REPAIRS	CW	S2	03	2,100	0	0	0	0	2,100	0	2,100	O	(0	0	2,100	0	0	0	0	0	2,100
0	41	2013 WATER SERVICE REPLACMENT -SOGR	CW	S2	02	1,253	0	0	0	0	1,253	0	1,253	0	(0	0	1,253	0	0	0	0	0	1,253
0	45	WSR CUT REPAIR - FUTURE		S6	02	0	0	3,500	3,500	3,500	10,500	17,500	28,000	0			_	,		-		0	0	28,000
0	52	2014 WATER SERVICE REPLACEMENT - SOGR		S2		1,891	0	0	0	0	1,891	0	1,891	0				,	0	-		0	0	1,891
0	59	2015 WATER SERVICE REPLACEMENT - SOGR		S2		9,000	4,500	0	0	0	13,500	0	13,500	0			_	,				0	0	13,500
0	67	WATER SERVICE REPAIR - LEAD PROGRAM-2016 SC		S3	02	5,754	3,203	5,000	0	0	13,957	0	13,957	0	(0	,	0) 0	0	0	0	13,957
0	68	2016 WATER SERVICE REPLACEMENT - SOGR				10,001	12,000	5,000	0	0	27,001	0	27,001	0	() 0	_	,	0) 0	0	0	0	27,001
0	69 70	2014 WATER SERVICE REPLACEMENT - SOGR-2016 SC 2015 WATER SERVICE REPLACEMENT -				-672	276	736	0	0	-396	0	-396	0			_) 0	Ü		0	-396 -5,258
	70	SOGR-2016 SC WATER SERVICE REPAIR - WM REHAB		S3 S4		-3,773 12,000	-2,223 6,000	736	0	0	-5,258 18,000	0	.,	٥				-5,258 18,000					0	
0	/ 1	PROGRAM	CVV	J4	UZ	12,000	0,000	U	U	U	10,000		10,000		·	, 0	U	10,000		, 0	U	U	ď	10,000

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

		- 3																						
							Curr	ent and Fu	ıture Year	Cash Flo	w Commitr	nents			Cu	rrent and I	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		oject No. Project Name bProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	^t Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
WA	T906934	4 DIST WATER SERVICE REPAIR																						
0	72	10 YR WATER SERVICE REPAIR - WITH WM SL	I CW	S6	02	0	4,000	6,000	6,000	6,000	22,000	30,000	52,000	c) () (0	52,000	0	0	0	0	0	52,000
0	73	WATER SERVICE REPLACEMENT - TUNNEL	CW	S6	02	0	0	50	50	2,500	2,600	5,000	7,600	c) () (0	7,600	0	0	0	0	0	7,600
0	74	REPLACEMENT OF FROZEN SERVICES	S CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	С) () (0	3,000	0	0	0	0	0	3,000
0	75	WSR CUT REPAIRS WITH WM SL	CW	S4	02	1,750	1,750	0	0	0	3,500	0	3,500	c) () (0	3,500	0	0	0	0	0	3,500
0	76	WSR CUT REPAIR-2016 SC	CW	S3	03	-350	1,750	0	0	0	1,400	0	1,400	C) () (0	1,400	0	0	0	0	0	1,400
0	77	2013 WSR-2016 SC	CW	S3	02	-1,004	0	0	0	0	-1,004	0	-1,004	C) () (0	-1,004	0	0	0	0	0	-1,004
0	78	2011 WSR	CW	S4	02	15	0	0	0	0	15	0	15	C) () (0	15	0	0	0	0	0	15
0	79	2012 WATER SERVICE REPLC - 2016 Se	C CW	S3	02	35	0	0	0	0	35	0	35	С) () (0	35	0	0	0	0	0	35
		Sub-total				48,250	41,506	40,796	34,242	36,880	201,674	177,175	378,849	0	() (0	378,849	0	0	0	0	0	378,849
WA	T906935	NEW SERVICE CONNECTIONS																						
0	2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	4,080	0	0	0	0	4,080	0	4,080	C) () (0	4,080	0	0	0	0	0	4,080
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	22,100	13,500	2,500	0	0	38,100	0	38,100	c) () (0	38,100	0	0	0	0	0	38,100
0	14	NEW SERVICE CONNECTIONS - 10 Year	ar CW	S6	05	0	0	0	22,000	22,000	44,000	110,000	154,000	C) () (0	154,000	0	0	0	0	0	154,000
0	15	NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE	CW	S6	05	0	0	5,101	5,254	5,411	15,766	29,592	45,358	C) () (0	45,358	0	0	0	0	0	45,358
0	20	NEW SERVICE CONNECTIONS - SITE SERVICING-2016 SC	CW	S3	05	0	8,500	5,000	0	0	13,500	0	13,500	C) () (0	13,500	0	0	0	0	0	13,500
0	21	NEW SERVICE CONNECTIONS - CUT REPAIRS-2016 SC	CW	S3	05	920	5,000	0	0	0	5,920	0	5,920	С) (5,920	0	0	0	0	0	5,920
		Sub-total				27,100	27,000	12,601	27,254	27,411	121,366	139,592	260,958	0	() (0	260,958	0	0	0	0	0	260,958
WA	T906951	1 ENGINEERING																					ļ	
0	2	CONSULTING FEES	CW	S2	03	11,389	6,909	2,998	1,251	1,054	23,601	2,013	25,614	С) () (0	25,614	0	0	0	0	0	25,614
0	5	10 YEAR ENGINEERING	CW	S6	03	0	26,640	27,823	40,029	45,859	140,351	246,633	386,984	c) () (0	386,984	0	0	0	0	0	386,984
0	57	PPFA SALARIES - FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	C) () (0	20,628	0	0	0	0	0	20,628
0	63	ROAD RESTORATION	CW	S2	03	5,830	0	0	0	0	5,830	0	5,830	C) () (0	5,830	0	0	0	0	0	5,830
0	64	LEGAL SERVICES SALARIES-2016 SC	CW	S3	03	199	0	0	0	0	199	0	199	C) () (0	199	0	0	0	0	0	199
0	65	PPFA SALARIES-2016 SC	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	C) () (0	2,292	0	0	0	0	0	2,292

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

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						Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	ow Comm	nitments F	inanced	Ву		
		oject No. Project Name IbProj No. Sub-project Name	Ward	Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2	Deb Recove Debt		Total Financing
_		1 ENGINEERING											Cabbidios									\neg	
0	66	ECS SALARIES-2016 SC	CW	S3 03	13,081	0	0	0	0	13,081	0	13,081	О	(0 0	0	13,081	I (0 0	0	0	0	13,081
0	67	ROAD RESTORATION-2016 SC	CW	S3 03	150	6,005	0	0	0	6,155	0	6,155	o	(0 0	0	6,155	5 (0 0	0	0	0	6,155
0	68	CONSULTING FEES-2016 SC	CW	S3 03	-4,359	4,654	8,459	6,056	5,500	20,310	300	20,610	o	(0 0	0	20,610) (0 0	0	0	0	20,610
		Sub-total			28,582	46,500	41,572	49,628	54,705	220,987	260,406	481,393	0	(0 0	0	481,393	3 () 0	0	0	0	481,393
WA	T906977	7 ISLAND W.T.P. R&R																					
0	1	FACILITY & PROCESS UPGRADES	CW	S2 03	757	375	0	0	0	1,132	0	1,132	o	(0 0	0	1,132	2 (0 0	0	0	0	1,132
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2 03	1,437	0	0	0	0	1,437	0	1,437	O	(0 0	0	1,437	7 (0 0	0	0	0	1,437
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S2 03	2,120	380	10	0	0	2,510	0	2,510	0	(0 0	0	2,510) (0	0	0	0	2,510
0	44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2 04	27	0	0	0	0	27	0	27	o	(0 0	0	27	7 (0 0	0	0	0	27
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S2 03	880	1,320	40	0	0	2,240	0	2,240	o	(0 0	0	2,240) (0 0	0	0	0	2,240
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEB DISTRIBUTION	ED CW	S2 03	365	0	0	0	0	365	0	365	o	(0 0	0	365	5 (0 0	0	0	0	365
0	53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6 03	0	0	0	375	375	750	1,875	2,625	o	(0 0	0	2,625	5 (0 0	0	0	0	2,625
0	54	FILTER MEDIA REPLC - FUTURE	CW	S6 03	0	0	150	0	150	300	300	600	o	(0 0	0	600) (0 0	0	0	0	600
0	69	GENERATORS` DR3 PROGRAM	CW	S2 04	750	425	0	0	0	1,175	0	1,175	o	(0 0	0	1,175	5 (0 0	0	0	0	1,175
0	70	PLANTWIDE HVAC UPGRADES	CW	S2 04	90	490	45	0	0	625	0	625	o	(0 0	0	625	5 (0 0	0	0	0	625
0	78	Generators DR3 Program-2016 SC	CW	S3 04	-670	270	650	0	0	250	0	250	o	(0 0	0	250) (0 0	0	0	0	250
0	79	PLANTWIDE HVAC UPGRADES-2016 SC	C CW	S3 04	-5	637	1,096	0	0	1,728	0	1,728	o	(0 0	0	1,728	3 (0 0	0	0	0	1,728
0	80	FACILITY UPGRADE - FORMER MARINE YARD-2016 SC	CW	S3 03	0	1,370	0	0	0	1,370	0	1,370	o	(0 0	0	1,370) (0 0	0	0	0	1,370
0	81	TRAVELLING SCREEN REPLACEMENT-2016 SC	CW	S3 03	-1,950	800	2,420	550	10	1,830	0	1,830	O	(0 0	0	1,830) (0 0	0	0	0	1,830
0	83	RAW WATER INTAKE CLEANING	CW	S4 03	100	1,000	0	0	0	1,100	0	1,100	o	(0 0	0	1,100) (0 0	0	0	0	1,100
0	84	CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION-2016 SC	CW	S3 03	-360	26	0	0	0	-334	0	-334	o	(0 0	0	-334	1 (0 0	0	0	0	-334
0	85	AMMONIA AND FLOURIDE SYSTEM UPGRADES-2016 SC	CW	S3 03	-535	1,279	3,400	12	0	4,156	0	4,156	o	(0 0	0	4,156	6 (0 0	0	0	0	4,156
0	86	ISLAND FILTER AIR SCOUR SYSTEM-2016 SC	CW	S3 04	100	0	0	0	0	100	0	100	o	(0 6	0	94	1 (0 0	0	0	0	100
0	87	ISLAND ENWAVE/RETROFIT PROJECT-2016 SC	CW	S3 04	-27	0	0	0	0	-27	0	-27	O	(0 0	0	-27	7 (0 0	0	0	0	-27
l																							

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

		J				J																		
							Curr	ent and F	uture Year	Cash Flo	w Commitr	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAT90	6977 <u>I</u>	SLAND W.T.P. R&R																						
0 8		FACILITY & PROCESS UPGRADES-2016 SC	6 CW	S3	03	1,330	550	375	0	0	2,255	0	2,255	c	0	0	0	2,255	0	0	0	0	0	2,255
		Sub-total				4,409	8,922	8,186	937	535	22,989	2,175	25,164	0	0	6	0	25,158	0	0	0	0	0	25,164
WAT90	6979 <u>[</u>	D2/D4 TRUNK WATERMAIN UPGRADES	<u>i</u>																					
0 1	I1 J	JOS - VICTORIA PARK W/M - CONST	CW	S6	05	0	0	0	0	0	0	54,000	54,000	C	0	25,971	0	18,659	0	0	9,370	0	0	54,000
0 2		JOS - VICTORIA PARK W/M - ENGINEERING	CW	S6	05	0	0	0	0	300	300	2,700	3,000	С	0	1,444	0	1,036	0	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	0	9,890	0	0	57,000
WAT90	7135 E	BAYVIEW TRUNK WATERMAIN - PH2																						
0 5	5 H	HPEC W/M - BAYVIEW TO KEELE	CW	S6	05	0	0	400	100	400	900	8,000	8,900	С	0	5,538	0	3,362	0	0	0	0	0	8,900
		Sub-total				0	0	400	100	400	900	8,000	8,900	0	0	5,538	0	3,362	0	0	0	0	0	8,900
<u>WAT90</u>	7353 L	LAWRENCE ALLAN REVITALIZATION PL	<u>AN</u>																					
0 1		LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	3,354	12,641	2,127	3,531	0	21,653	0	21,653	c	0	21,653	0	0	0	0	0	0	0	21,653
0 2		LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	0	5,437	0	0	0	5,437	0	5,437	С	0 0	5,437	0	0	0	0	0	0	0	5,437
0 7		LAWRENCE ALLAN REVITALIZATION PLAN-INTERNAL-2016SC	CW	S3	05	0	-9,968	11,145	1,975	0	3,152	0	3,152	C) 0	3,152	0	0	0	0	0	0	0	3,152
0 8		LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL-2016SC	CW	S3	05	1,459	-1,345	0	0	0	114	0	114	C) 0	114	0	0	0	0	0	0	0	114
		Sub-total				4,813	6,765	13,272	5,506	0	30,356	0	30,356	0	0	30,356	0	0	0	0	0	0	0	30,356
WAT90	7558 F	REGENT PARK CAPITAL CONTRIBUTION	<u>N</u>																					
0 1	l F	REGENT PARK CAPITAL CONTRIBUTION	N CW	S2	05	1,803	475	1,090	632	37	4,037	85	4,122	C	0	0	0	4,122	0	0	0	0	0	4,122
0 1		REGENT PARK CAPITAL CONTRIBUTION-2016 SC	CW	S3	05	553	121	301	180	7	1,162	26	1,188	С) 0	5,310	0	-4,122	0	0	0	0	0	1,188
		Sub-total				2,356	596	1,391	812	44	5,199	111	5,310	0	0	5,310	0	0	0	0	0	0	0	5,310
<u>WAT90</u>	7946 E	BUSINESS IT PROJECTS																						
0 2	2 E	BACKFLOW INSPECTION PORTAL	CW	S2	04	200	200	0	0	0	400	0	400	c) 0	0	0	400	0	0	0	0	0	400
0 4	1 E	EDOCS	CW	S2	04	150	0	0	0	0	150	0	150	С	0 0	0	0	150	0	0	0	0	0	150
0 7		ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,719	1,421	1,272	1,373	500	6,285	0	6,285	С) 0	0	0	6,285	0	0	0	0	0	6,285
0 1		BACKFLOW INSPECTION PUBLIC REPORTING PORTAL-2016SC	CW	S3	04	-200	-200	0	0	0	-400	0	-400	C) 0	0	0	-400	0	0	0	0	0	-400
0 1		ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT-2016 SC	CW	S3	04	-800	300	150	-100	500	50	500	550	C	0	0	0	550	0	0	0	0	0	550

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

vvater i	rogram																						
						Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Curi	rent and Fu	ure Year	Cash Flo	w Comm	itments l	inanced	Ву		
PrioritySu	roject No. Project Name ubProj No. Sub-project Name 16 BUSINESS IT PROJECTS	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal D Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - ecoverable	Total Financing
WAT90794	BUSINESS II PROJECTS																						
0 15	EDOCS-2016 SC	CW	S3	04	-150	0	0	0	0	-150	0	-150	0	0	0	0	-150	0) (0	(0 0	-150
	Sub-total				919	1,721	1,422	1,273	1,000	6,335	500	6,835	0	0	0	0	6,835	0) (0	ı	0 0	6,835
WAT90808	TRUNK WATERMAIN																						
0 1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	1,750	1,750	10	0	0	3,510	0	3,510	0	0	0	0	3,510	0) (0	(0 0	3,510
0 4	JOS - REVENUE METER REPLACEMENT	CW	S4	03	50	3,500	2,950	0	0	6,500	0	6,500	0	0	0	0	3,250	0) (3,250	(0 0	6,500
0 5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	0	0	2,000	2,000	4,000	25,000	29,000	0	0	0	0	29,000	0) (0	(0 0	29,000
0 6	3RD PARTY RELOCATIONS (METROLINX) CW	S2	04	500	500	250	250	0	1,500	0	1,500	0	0	0	0	1,500	0) (0	(0 0	1,500
0 8	TRANSMISSION SYSTEM AUTOMATION-2016 SC	CW	S3	04	654	454	0	0	0	1,108	0	1,108	0	0	0	0	1,108	0) (0	(0 0	1,108
0 9	3RD PARTY RELOCATIONS (METROLINX)-2016 SC	CW	S3	04	-200	-200	0	0	200	-200	200	0	0	0	0	0	0	0) (0	(0 0	0
	Sub-total				2,754	6,004	3,210	2,250	2,200	16,418	25,200	41,618	0	0	0	0	38,368	0) (3,250		0 0	41,618
WAT90824	8 WT&S PLANTWIDE																						
0 1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S4	04	1,500	500	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0) (0	(0 0	2,000
0 2	UV DISINFECTION - ENGINEERING	CW	S6	04	0	0	1,450	645	1,150	3,245	2,890	6,135	0	0	0	0	6,135	0) (0	(0 0	6,135
0 3	UV DISINFECTION - CONSTRUCTION	CW	S6	04	0	0	0	0	13,400	13,400	36,610	50,010	0	0	0	0	50,010	0) (0	(0 0	50,010
0 4	ZEBRA MUSSEL CONTROL - ENG	CW	S6	04	0	450	275	300	475	1,500	100	1,600	0	0	0	0	1,600	0) (0	(0 0	1,600
0 5	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S6	04	0	0	200	2,500	7,000	9,700	800	10,500	0	0	0	0	10,500	0) (0	(0 0	10,500
0 6	STANDBY POWER - PHASE 2 - ENG	CW	S4	04	200	600	600	1,200	1,400	4,000	2,400	6,400	0	0	384	0	4,096	0) (1,920	(0 0	6,400
0 7	STANDBY POWER - FUTURE	CW	S6	04	0	0	4,000	7,000	3,600	14,600	74,900	89,500	0	0	5,370	0	57,280	0) (26,850	(0 0	89,500
	Sub-total				1,700	1,550	6,525	11,645	27,025	48,445	117,700	166,145	0	0	5,754	0	131,621	0) (28,770	l	0 0	166,145
Total P	Program Expenditure				332,085	455,561	396,359	364,663	372,592	1,921,260	1,904,677	3,825,937	0	0	306,307	03	3,450,913	0) (68,717		0 0	3,825,937

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Page 16 of 16

0

0 68,717

0

3,825,937

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 S5,S6 Part C Sub-Project Status S2,S3,S4

396,359 364,663 372,592

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

332,085

455,561

Water Program **Current and Future Year Cash Flow Commitments and Estimates** Current and Future Year Cash Flow Commitments and Estimates Financed By Debt -Capital Total Total Total Sub- Project No. Project Name Provincial Recoverable Reserve Total from Federal Development Grants and Financing Priority SubProj No. Sub-project Name 2016 2017 2018 2019 2020 2021-2025 Charges Reserves Funds Ward Stat. Cat. 2016-2020 2016-2025 Current Other 1 Other 2 Debt Subsidy Financed By: **Development Charges** 0 0 306,307 0 0 0 0 0 152,467 153,840 0 306,307 22,052 31,282 41,571 33,494 24,068 306,307 Reserve Funds (Ind."XR" Ref.) 345,740 0 0 0 03,450,913 0 0 0 0 3,450,913 305,169 410,552 347,312 324,336 1,733,109 1,717,804 3,450,913 Other2 (External) 0 68,717 0 4,864 13,727 7,476 6,833 2,784 35,684 33,033 68,717 68,717

1,904,677

3,825,937

0

0 306,307

03,450,913

1,921,260

Status Code	Description
S2	S2 Prior Year (With 2016 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2016 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 2017 & Beyond)

Category Code Description

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

Total Program Financing

Service Improvement and Enhancement C04

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

CITY OF TORONTO

Wastewater Program

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

***	SICWE	ater Prot	Ji di ii																						
								Curr	ent and Fu	ture Year	Cash Flo	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sul</u> Pri		<u>oject No.</u> bProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
	_		GES BAY WWTP REHAB													-									
0	17	STANDB	Y POWER GENERATION	CW	S2	04	405	2	0	0	0	407	0	407	0) (33	0	374	C	0	0	0	0	407
0	19	FERROU	SUPGRADES	CW	S2	03	4,335	6,900	5,338	450	0	17,023	0	17,023	О) (0 1,377	0	15,646	C	0	0	0	0	17,023
0	30	ELECTRI	CAL REHAB	CW	S2	01	9,818	1,604	14	0	0	11,436	0	11,436	o) (0 0	0	11,436	C	0	0	0	0	11,436
0	41	POLYME	R UPGRADE	CW	S2	03	700	4,000	13,000	13,000	5,041	35,741	3,635	39,376	0) (0 0	0	39,376	C	0	0	0	0	39,376
0	47		HEADWORKS ENG CONTRACT ADMIN	CW	S2	03	1,400	840	1,766	250	49	4,305	0	4,305	О) (347	0	3,958	C	0	0	0	0	4,305
0	49		S UPGRADES & ODOUR IL ENGINEERING	CW	S2	04	555	310	0	0	0	865	0	865	o) (0 70	0	795	C) 0	0	0	0	865
0	189	PROCES	S AND EQUIPMENT	CW	S2	03	4,633	2,000	0	0	0	6,633	0	6,633	o) (0 0	0	6,633	C	0	0	0	0	6,633
0	190	FACILITY	AND GROUNDS	CW	S2	03	547	0	0	0	0	547	0	547	0) (0 0	0	547	C) 0	0	0	0	547
0	200	LAB & EN	MP FACILITIES	CW	S6	03	0	0	2,040	2,040	2,040	6,120	10,200	16,320	0) (0 0	0	16,320	C	0	0	0	0	16,320
0	215	DIGESTE 14, 16, 13	RS CLEANING REHAB - TANKS	CW	S2	03	3,725	3,175	2,139	94	0	9,133	0	9,133	0) (0 0	0	9,133	C	0	0	0	0	9,133
0	217		CAL REHAB - FUTURE			03	0	200	2,700	0	0	2,900	0	,	0			0	2,900	С	_		0	0	2,900
0	223	CONSTR				04	0	250	200	200	400	1,050	11,000	12,050	0			0	12,050	C			0	0	12,050
0	224		UPGRADES (D/P BUILDING)			03	1,100	2,500	2,600	100	0	6,300	0	6,300	0			0	6,300		_		0	0	6,300
0	225	FUTURE				03	0	0	0	100	6,300	6,400	41,700	48,100	0			0	48,100				0	0	48,100
0	226		NVIRONMENTAL ASSESSMENT	CW		05	250	600	250	0	0	1,100	0	,	0			0	1,100		_		0	0	1,100
0	227		DER REHAB			03	700	1,200	0	0	0	1,900	0	,,,,,,	0			0	1,900		_		0	0	1,900
0	228	SHOP	BUILDING MAINTENANCE			04	100	300	0	0	0	400	0	400	0			0	400		_		0		400
0	229		NG PHASE 2 FER LOOP MODIFICATIONS			03	700 500	3,600	1,200	50	0	5,550	0	,	0			0	5,550				0	0	5,550
0	231		Y UPGRADES			03	1,200	1,550	0	0	0	500 2,750	0	500 2,750	٥			0	500 2,750		, 0	0	0	٥	500 2,750
			CAL REHAB - ECAP-2016 SC		S3		-5,392	2,161	1,696	35	0	-1,500	0		٥		. o		-1,500		. 0	0	0	0	-1,500
0	244		UPGRADES (D/P BUILDING)-2016				-1,100	-2,500	-2,600	-100	0	-6,300	0				0 0) 0		0	0	-6,300
0	245	SC	NG PHASE 2-2016 SC		S3		-200	-3,300	1,140	2,290	2,300	2,230	4,620	6,850									0	0	6,850
0			EET PURCHASES		S4		130	0	0	0	0	130	0		0				130				0	0	130

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flow	v Commi	tments F	inanced	Ву		
	<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt - Recovera	able	Total Financing
WAS00000	ASHBRIDGES BAY WWTP REHAB																						
0 247	HEATING & AIR SYSTEMS ASSESSMEN	T CW	S4	03	250	500	250	0	0	1,000	0	1,000	0	C	0	0	1,000	0	0	0	0	0	1,000
0 248	SOILS MANAGEMENT PLAN	CW	S4	03	100	200	100	0	0	400	0	400	0	C	0	0	400	0	0	0	0	0	400
0 249	P BLDG HEADWORKS - ENG DESIGN & CONT ADMIN-2016 SC	CW	S3	03	260	350	-620	0	0	-10	0	-10	o	C	-1	0	-9	0	0	0	0	0	-10
0 250	PROCESS UPGRADES & ODOUR CONTROL ENG-2016 SC	CW	S3	04	-214	-210	0	0	0	-424	0	-424	О	C	-34	0	-390	0	0	0	0	0	-424
0 251	DIGESTERS CLEANING REHAB - TANKS 14,16,13-2016 SC	S CW	S3	03	-95	-1,211	965	2,010	3,104	4,773	1,038	5,811	О	C	0	0	5,811	0	0	0	0	0	5,811
0 252	BLOWER BUILDING MAINTENANCE SHOP-2016 SC	CW	S3	04	-100	-300	0	0	0	-400	0	-400	О	C	0	0	-400	0	0	0	0	0	-400
0 253	OPERATIONS CENTRE - ENGINEERING-2016 SC	CW	S 3	03	0	100	0	0	0	100	0	100	О	C	0	0	100	0	0	0	0	0	100
0 254	ABTP - ENVIRONMENTAL ASSESSMENT-2016 SC	CW	S3	05	0	400	250	250	0	900	0	900	o	C	0	0	900	0	0	0	0	0	900
0 255	FINAL TANK UPGRADES - TANKS 10 & 1	1 CW	S6	03	0	0	0	1,500	1,500	3,000	500	3,500	o	C	0	0	3,500	0	0	0	0	0	3,500
0 256	DIGESTER CLEANING - 10 YEAR PLAN	CW	S6	03	0	0	0	450	350	800	8,600	9,400	o	C	0	0	9,400	0	0	0	0	0	9,400
0 257	STANDBY POWER GENERATION-2016 S	SC CW	S3	04	-73	3	0	0	0	-70	0	-70	o	C	-6	0	-64	0	0	0	0	0	-70
0 258	PROCESS AND EQUIPMENT-2016 SC	CW	S3	03	-2,328	-204	26	27	0	-2,479	0	-2,479	o	C	0	0	-2,479	0	0	0	0	0	-2,479
0 259	GROUND AND FACILITIES-2016 SC	CW	S3	03	0	445	0	0	0	445	0	445	О	C	0	0	445	0	0	0	0	0	445
0 260	SECURITY UPGRADES-2016 SC	CW	S3	04	-1,200	-1,550	0	0	0	-2,750	0	-2,750	О	C	0	0	-2,750	0	0	0	0	0	-2,750
0 261	FERROUS UPGRADES-2016 SC	CW	S3	03	-2,620	-1,520	235	5,505	0	1,600	0	1,600	О	C	130	0	1,470	0	0	0	0	0	1,600
0 262	AIR HEADER REHAB-2016 SC	CW	S3	03	-600	-500	1,700	0	0	600	0	600	О	C	0	0	600	0	0	0	0	0	600
0 263	POLYMER UPGRADE-2016 SC	CW	S3	03	-100	-2,638	-9,368	500	10,459	-1,147	25,551	24,404	o	C	0	0	24,404	0	0	0	0	0	24,404
0 264	HVAC CONVERSION Z-BLDG	CW	S4	03	500	1,500	1,500	0	0	3,500	0	3,500	o	C	0	0	3,500	0	0	0	0	0	3,500
	Sub-total				17,886	20,757	26,521	28,751	31,543	125,458	106,844	232,302	0	С	1,916	0	230,386	0	0	0	0	0	232,302
WAS000115	HUMBER T.P.																						
0 9	CO-GENERATION	CW	S2	04	200	109	0	0	0	309	0	309	О	C	0	0	309	0	0	0	0	0	309
0 61	CO-GENERATION-2016 SC	CW	S3	04	0	91	109	0	0	200	0	200	0	C	0	0	200	0	0	0	0	0	200
	Sub-total				200	200	109	0	0	509	0	509	0	С	0	0	509	0	0	0	0	0	509
WAS000259	9 TRUNK SEWER SYSTEM																						

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

								Curre	ent and Fu	iture Year	Cash Flor	w Commitn	nents			Curr	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Bv		
						F														Capital			Debt		
Sub			Project Name		.	.	0046	0047	0040	0040	0000	Total	Total	Total	Provincial Grants and	Federal D	Development	Reserves	Reserve	from	0.1. 4	0.1. 0	Recover		1 Olai
		-	Sub-project Name EWER SYSTEM	Ward	Stat. (Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Subsidies	Subsidy	Charges	110001100	ruius	Current	Other 1	Other2	Debt	\dashv	Financing
WAS	000238																								
0	15	TRUNK S	EWER REHABILITATION - 2012	CW	S2	03	6,281	1,922	391	89	11	8,694	0	8,694	0	0	0	0	8,694	0	0	0	0	0	8,694
0	18	BLACK CI CONSTRI	REEK STS DESIGN & UCTION	CW	S6	05	0	0	0	1,000	5,500	6,500	83,000	89,500	0	0	25,614	0	63,886	0	0	0	0	0	89,500
0	23	TRUNK S	EWER REHABILITATION	CW	S2	03	15	0	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15
0	24	TRUNK S	EWER REHABILITATION - ST	CW	S6	03	0	0	50	14,100	20,100	34,250	126,500	160,750	o	0	0	0	160,750	0	0	0	0	0	160,750
0	27	TRUNK S	EWER REHABILITATION - 2014	CW	S2	03	24,200	5,925	1,393	7	0	31,525	0	31,525	О	0	0	0	31,525	0	0	0	0	0	31,525
0	34	BLACK CI	REEK STS EA	CW	S2	05	600	300	0	0	0	900	0	900	О	0	0	0	900	0	0	0	0	0	900
0	36		S UPGRADES & ODOUR L ENGINEERING	CW	S6	03	0	0	4,900	5,000	5,000	14,900	25,000	39,900	О	0	0	0	39,900	0	0	0	0	0	39,900
0	44	TRUNK S 2014-2016	EWER REHABILITATION - 6 SC	CW	S3	03	3,413	18,274	6,174	1,803	10	29,674	0	29,674	О	0	0	0	29,674	0	0	0	0	0	29,674
0	45	TRUNK S 2012-2016	EWER REHABILITATION - 6 SC	CW	S3	03	-912	-322	357	12	18	-847	0	-847	o	0	0	0	-847	0	0	0	0	0	-847
0	46	TRUNK S SC	EWER REHABILITATION-2016	CW	S3	03	-15	0	0	0	0	-15	0	-15	o	0	0	0	-15	0	0	0	0	0	-15
0	47	TRUNK S	EWER REHABILITATION - 2016	CW	S4	03	1,000	3,275	19,175	11,770	240	35,460	10	35,470	O	0	0	0	35,470	0	0	0	0	0	35,470
0	48	BLACK CI	REEK STS EA-2016 SC	CW	S3	05	250	453	0	0	0	703	0	703	o	0	0	0	703	0	0	0	0	0	703
			Sub-total				34,832	29,827	32,440	33,781	30,879	161,759	234,510	396,269	0	0	25,614	0	370,655	0	0	0	0	0	396,269
WAS	000442	BASEMEN	NT FLOODING RELIEF																					\exists	
0	1		NT FLOODING PROTECTION PROGRAM	CW	S2	04	2,000	5,500	0	0	0	7,500	0	7,500	0	0	0	0	7,500	0	0	0	0	0	7,500
0	8	BASEMEN	NT FLOODING STUDIES & EAS	CW	S2	04	2,023	280	100	100	0	2,503	0	2,503	О	0	0	0	2,503	0	0	0	0	0	2,503
0	9	BASEMEN PROJECT	NT FLOODING RELIEF - TUNNE	L CW	S2	04	15,000	30,000	30,000	35,000	30,000	140,000	10,000	150,000	0	0	0	0	150,000	0	0	0	0	0	150,000
0	12	ROAD RE	STORATION FOR BSMT FLDG	CW	S2	04	800	0	0	0	0	800	0	800	o	0	0	0	800	0	0	0	0	0	800
0	14	BASEMEN 1	NT FLOODING DESIGN - GROUI	P CW	S2	04	525	1,397	129	0	0	2,051	0	2,051	О	0	0	0	2,051	0	0	0	0	0	2,051
0	18	BASEMEN 2	NT FLOODING DESIGN - GROUI	P CW	S2	04	3,925	6,299	1,000	334	14	11,572	7	11,579	О	0	0	0	11,579	0	0	0	0	0	11,579
0	19	BASEMEN 2	NT FLOODING RELIEF - GROUP	cw	S2	04	29,502	66,398	45,069	2,000	0	142,969	0	142,969	o	0	0	0	142,969	0	0	0	0	0	142,969
0	20	BASEMEN 3	NT FLOODING DESIGN - GROUI	P CW	S2	04	2,761	2,115	678	3,279	0	8,833	0	8,833	o	0	0	0	8,833	0	0	0	0	0	8,833
0	29	BASEMEN 1	NT FLOODING RELIEF - GROUP	cw	S2	04	10,267	75	0	0	0	10,342	0	10,342	o	0	0	0	10,342	0	0	0	0	0	10,342
0	52	BASEMEN	NT FLOODING RELIEF - FUTUR	E CW	S6	04	0	0	43,451	38,150	39,537	121,138	342,560	463,698	0	0	0	0	463,698	0	0	0	0	0	463,698
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CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
WAS	000442	BASEMENT FLOODING RELIEF																						
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S4	04	1,000	1,500	1,500	1,500	1,500	7,000	500	7,500	c) () 0	0	7,500	0	0	0	0	0	7,500
0	77	BASEMENT FLOODING DESIGN - GROU	P CW	S2	04	4,030	6,030	10,000	13,270	15,190	48,520	60,670	109,190	C) (0	0	109,190	0	0	0	0	0	109,190
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	7,000	9,500	5,000	0	0	21,500	0	21,500	c) (0 0	0	21,500	0	0	0	0	0	21,500
0	84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	0	79	4,081	4,083	8,243	21,457	29,700	C) (0 0	0	29,700	0	0	0	0	0	29,700
0	85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	0	0	0	3,750	3,750	C) () 0	0	3,750	0	0	0	0	0	3,750
0	86	BASEMENT FLOODING RELIEF - TUNNE PROJECT-2016 SC	L CW	S3	04	-12,985	-25,500	-23,000	0	5,000	-56,485	80,000	23,515	С) () 0	0	23,515	0	0	0	0	0	23,515
0	88	BASEMENT FLOODING DESIGN - GROU 4 ENG-2016 SC	P CW	S3	04	2,471	5,764	7,820	8,290	6,740	31,085	18,539	49,624	C) (0	0	49,624	0	0	0	0	0	49,624
0	89	BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	P CW	S6	04	0	25,258	39,559	47,095	66,000	177,912	315,805	493,717	C) (0	0	493,717	0	0	0	0	0	493,717
0	90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	0	800	600	300	1,700	8,500	10,200	C) () 0	0	10,200	0	0	0	0	0	10,200
0	91	BASEMENT FLOODING RELIEF - GROUP 5 (ENGINEERING)	P CW	S6	04	0	0	0	0	0	0	40,000	40,000	c) () 0	0	40,000	0	0	0	0	0	40,000
0	92	BMST STUDIES & EA`S -IMPLEMENTATION-2016 SC	CW	S3	04	-686	-1,568	500	0	0	-1,754	0	-1,754	C) () 0	0	-1,754	0	0	0	0	0	-1,754
0	93	BASEMENT FLOODING PROTECTION SUBSIDY PROG - FUTURE	CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	c) () 0	0	38,500	0	0	0	0	0	38,500
0	94	BASEMENT FLOODING PROTECTION SUBSIDY PROG-2016 SC	CW	S3	04	3,500	0	5,500	0	0	9,000	0	9,000	C) (0	0	9,000	0	0	0	0	0	9,000
0	95	ROAD RESTORATION FOR BSMT FLDG PRJS-2016 SC	CW	S3	04	-335	515	0	0	0	180	0	180	C) () 0	0	180	0	0	0	0	0	180
0	96	BASEMENT FLOODING DESIGN - GROU 1-2016 SC	P CW	S3	04	-126	-4	1,007	0	0	877	0	877	С) () 0	0	877	0	0	0	0	0	877
0	97	BASEMENT FLOODING DESIGN - GROU 2-2016 SC	P CW	S3	04	0	-3,489	1,456	-334	-14	-2,381	-7	-2,388	C) (0	0	-2,388	0	0	0	0	0	-2,388
0	98	BASEMENT FLOODING RELIEF - GROUP 1-2016 SC	P CW	S3	04	-7,968	2,132	55	0	0	-5,781	0	-5,781	C) (0	0	-5,781	0	0	0	0	0	-5,781
0	99	BASEMENT FLOODING RELIEF - GROUP 2-2016 SC	P CW	S3	04	6,370	-19,511	-7,317	24,004	6,243	9,789	1,000	10,789	C) (0	0	10,789	0	0	0	0	0	10,789
0	100	BASEMENT FLOODING DESIGN - GROU 3-2016 SC	P CW	S3	04	0	813	1,966	-3,011	20	-212	0	-212	C) (0	0	-212	0	0	0	0	0	-212
0	101	BASEMENT FLOODING STUDIES & EAS-2016 SC	CW	S3	04	-1,320	570	656	100	200	206	0	206	С								0	0	206
		Sub-total				67,754	114,074	166,008	179,958	180,313	708,107	930,281	1,638,388	0	(0	0	1,638,388	0	0	0	0	0 1	1,638,388
WAS	000521	HIGHLAND CREEK WWTP - BUILDING S	ERV &																					
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	3,500	4,000	4,000	2,800	0	14,300	0	14,300	С) (0 0	0	14,300	0	0	0	0	0	14,300

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

Wastew	rater Program																					
					Curr	ent and Fu	ture Year	Cash Flor	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flov	v Commitm	ents Fi	inanced	Ву		
PriorityS	roject No. Project Name ubProj No. Sub-project Name the HIGHLAND CREEK WWTP - BUILDING SE	Nard Sta	at. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current Ot	her 1	Other2		ebt - verable	Total Financing
0 8	HCTP Bldg Rehab and Improvements-2016 SC	<u>-</u>	3 03	0	-500	0	-1,058	0	-1,558	0	-1,558	0	(0	0	-1,558	0	0	0	0	0	-1,558
	Sub-total			3,500	3,500	4,000	1,742	0	12,742	0	12,742	0	(0	0	12,742	0	0	0	0	0	12,742
WAS00095	51 NEW SEWER CONSTRUCTION																					
0 16	WESTERN BEACHES STORAGE TUNNEL	CW S	4 04	1	0	0	0	0	1	0	1	0	(0	0	1	0	0	0	0	0	1
	Sub-total			1	0	0	0	0	1	0	1	0	(0	0	1	0	0	0	0	0	1
WAS90632	22 W&WW LABORATORIES																					
0 9	LAB EQUIPMENT	CW S	2 03	120	150	210	0	0	480	0	480	0	(0	0	480	0	0	0	0	0	480
0 22	LAB & EMP FACILITIES	CW S	6 04	0	0	0	0	0	0	20,900	20,900	0	(0	0	20,900	0	0	0	0	0	20,900
0 27	LAB EQUIPMENT - FUTURE	CW S	6 03	0	0	0	358	209	567	1,444	2,011	0		0	0	2,011	0	0	0	0	0	2,011
0 30	LAB EQUIPMENT-2016 SC	CW S	3 03	172	38	-3	0	0	207	0	207	0	(0	0	207	0	0	0	0	0	207
	Sub-total			292	188	207	358	209	1,254	22,344	23,598	0	(0	0	23,598	0	0	0	0	0	23,598
WAS90632	SWM END OF PIPE FACILITIES																					
0 6	DON VALLEY SWM	CW S	6 04	0	0	40	160	1,880	2,080	1,880	3,960	0	(318	0	3,642	0	0	0	0	0	3,960
0 9	NORTH TORONTO CSO CONSTR	CW S	2 04	2,151	0	0	0	0	2,151	0	2,151	0	() 173	0	1,978	0	0	0	0	0	2,151
0 10	ETOBICOKE WATERFRONT SWM CONST	CW S	6 04	0	0	0	0	0	0	122,500	122,500	0	(9,857	0	112,643	0	0	0	0	0	122,500
0 11	Bonar Creek Construction	CW S	2 04	400	5,400	7,200	2,570	150	15,720	0	15,720	0	(1,265	0	14,455	0	0	0	0	0	15,720
0 12	EARL BALES SWM FACILITY - PHASE 2	CW S	2 04	5,300	0	0	0	0	5,300	0	5,300	0) 427	0	4,873	0	0	0	0	0	5,300
0 38	COATSWORTH CUT WETLAND	CW Se	6 04	0	0	0	0	0	0	10,260	10,260	0	(826	0	9,434	0	0	0	0	0	10,260
0 56	Scarborough Waterfront Construction-2016 SC	CW S	3 04	0	-1,150	-4,000	-9,600	-11,600	-26,350	26,350	0	0	(0	0	0	0	0	0	0	0	0
0 57	Scarborough Waterfront Construction	CW S	2 04	0	1,150	4,000	9,600	11,600	26,350	21,600	47,950	0	(3,860	0	44,090	0	0	0	0	0	47,950
0 58	EARL BALES PARK SWM FACILITY - PHASE 2-2016 SC	CW S	3 04	0	1,250	0	0	0	1,250	0	1,250	0	() 102	0	1,148	0	0	0	0	0	1,250
0 59	Bonar Creek SWMF Construction-2016 SC	CW S	3 04	0	-2,650	200	3,000	0	550	0	550	0	() 43	0	507	0	0	0	0	0	550
0 60	NORTH TORONTO CSO CONSTR-2016 SC	CW S	3 04	2	0	0	0	0	2	0	2	0	(0	0	2	0	0	0	0	0	2
0 61	YR03 D1 END OF PIPE	CW S	4 04	1	0	0	0	0	1	0	1	0	(0	0	1	0	0	0	0	0	1
	Sub-total			7,854	4,000	7,440	5,730	2,030	27,054	182,590	209,644	0	(16,871	0	192,773	0	0	0	0	0	209,644

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

		iter Progra				——.																			
								Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flov	w Commi	tments	Financed	Ву		
Sub Prio			Project Name Sub-project Name	Ward :	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
WAS	906331	SWM SOUR	RCE CONTROL PROG																						
0	9	DOWNSPO PROGRAM	UT DISCONNECTION	CW	S2	04	150	150	150	0	0	450	0	450	0	0	0	0	450	0	(0	0	0	450
			Sub-total				150	150	150	0	0	450	0	450	0	0	0	0	450	0	() 0	0	0	450
WAS	906380	HIGHLAND	CREEK WWTP - ODOUR CONT	TROI		İ																			
0	1	ODOUR CO	NTROL UPGRADES - PHASE 1	CW	S2	04	605	1,920	1,100	805	0	4,430	0	4,430	0	0	358	0	4,072	0	(0	0	0	4,430
0	2	ODOUR CO CONST	NTROL UPGRADES PHASE 1	CW	S2	02	19,000	15,000	15,000	5,575	0	54,575	0	54,575	0	0	4,392	0	50,183	0	(0	0	0	54,575
0	3	ODOUR CO	NTROL UPGRADES - PHASE 2	2 CW	S6	02	0	0	0	0	400	400	34,700	35,100	0	0	1,301	0	33,799	0	(0	0	0	35,100
0	18	ODOUR CO CONSTR-20	NTROL UPGRADES - PHASE 1 016 SC	CW	S3	02	-1,000	0	0	-370	0	-1,370	0	-1,370	0	0	-110	0	-1,260	0	(0	0	0	-1,370
0	19	ODOUR CO ENG-2016 S	NTROL UPGRADES - PHASE 1 SC	CW	S3	04	397	-920	-80	112	100	-391	5	-386	0	0	-32	0	-354	0	(0	0	0	-386
			Sub-total				19,002	16,000	16,020	6,122	500	57,644	34,705	92,349	0	0	5,909	0	86,440	0	() 0	0	0	92,349
WAS	906486	ASHBRIDG	ES BAY T.P III YR2004			İ																			
0	3	PCS-PLANT	SRVS	CW	S2	04	50	30	0	0	0	80	0	80	0	0	6	0	74	0	(0	0	0	80
0	47	PCS-PLANT	SRVS-2016 SC	CW	S3	04	117	0	0	0	0	117	0	117	0	0	9	0	108	0	(0	0	0	117
			Sub-total				167	30	0	0	0	197	0	197	0	0	15	0	182	0	() 0	0	0	197
WAS	906487	HIGHLAND	CREEK T.P IV YR2004																						
0	2	PCS PLANT	SERVICES	CW	S2	04	120	0	0	0	0	120	0	120	0	0	10	0	110	0	(0	0	0	120
0	21	PCS PLANT	SERVICES-2016 SC	CW	S3	04	-120	0	0	0	0	-120	0	-120	0	0	-10	0	-110	0	(0	0	0	-120
			Sub-total			İ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	() 0	0	0	0
WAS	906488	HUMBER T.	P II YR2004																						
0	2	PCS PLANT	SERVICES	CW	S2	04	5	7	7	0	0	19	0	19	0	0	2	0	17	0	(0	0	0	19
0	23	PCS PLANT	SERVICES-2016 SC	CW	S3	04	0	-6	-7	0	0	-13	0	-13	0	0	-1	0	-12	0	(0	0	0	-13
			Sub-total				5	1	0	0	0	6	0	6	0	0	1	0	5	0	() 0	0	0	6
WAS	906492	WET WEAT	HER FLOW MP																						
0	1	SWM INA-E	A	CW	S2	04	550	350	200	50	0	1,150	0	1,150	0	0	92	0	1,058	0	(0	0	0	1,150
0	2	WWFMP - F	PUBLIC EDUCATION	CW	S2	04	500	0	0	0	0	500	0	500	0	0	40	0	460	0	(0	0	0	500
0	10	10 YEAR SV	WM - CONVEYANCE	CW	S6	04	0	3,000	5,125	6,000	6,000	20,125	30,000	50,125	0	0	4,034	0	46,091	0	(0	0	0	50,125

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

				Curr	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward Stat. C	at. 2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAS906	492 WET WEATHER FLOW MP																				
0 11	10YR WWFMMP PUBLIC EDUCATION	CW S6 (0	0	500	500	500	1,500	2,500	4,000	0	0	320	0	3,680	0	0	0	0	0	4,000
0 14	WWFMP IMPLEMENTATION - DESIGN	CW S2 (1,700	1,350	0	0	0	3,050	0	3,050	o	0	246	0	2,804	0	0	0	0	0	3,050
0 40	10YR WWFMMP IMPLEMENTATION	CW S6 (0	0	500	200	400	1,100	7,200	8,300	0	0	668	0	7,632	0) 0	0	0	0	8,300
0 44	SWM CONVEYANCE 2013	CW S2 (292	0	0	0	0	292	0	292	0	0	24	0	268	0) 0	0	0	0	292
0 51	SWM CONVEYANCE 2014	CW S2 (974	0	0	0	0	974	0	974	0	0	0	0	974	0) 0	0	0	0	974
0 58	SWM CONVEYANCE 2015	CW S2 (1,267	767	0	0	0	2,034	0	2,034	0	0	0	0	2,034	0	0	0	0	0	2,034
0 59	STORM WATER POND ASSESSMENT & CLEANING	CW S2 (1,000	1,000	2,200	2,200	0	6,400	0	6,400	0	0	0	0	6,400	0) 0	0	0	0	6,400
0 60	Ashbridges Bay Landforms	CW S2 (7,208	3	4,668	0	0	11,879	0	11,879	0	0	0	0	11,879	0) 0	0	0	0	11,879
0 61	HUMBER BAY LANDFORMS	CW S6	0	0	0	0	0	0	5,000	5,000	0	0	0	0	5,000	0) 0	0	0	0	5,000
0 65	STORM WATER POND ASSESSMENT & CLEANING - 10 YEAR	CW S6	0	0	0	0	1,900	1,900	5,160	7,060	0) 0	0	0	7,060	0) 0	0	0	0	7,060
0 73	STORM WATER POND ASSESSMENT & CLEANING-2016 SC	CW S3 (2,020	2,550	2,600	2,600	2,000	11,770	0	11,770	О	0	0	0	11,770	0	0	0	0	0	11,770
0 74	Ashbridges Bay Landforms-2016 SC	CW S3 (-7,158	4,997	332	5,000	5,000	8,171	12,950	21,121	0	0	0	0	21,121	0) 0	0	0	0	21,121
0 75	SWM CONVEYANCE 2015-2016 SC	CW S3 (1,711	-333	0	0	0	1,378	0	1,378	0	0	275	0	1,103	0	0	0	0	0	1,378
0 76	SWM CONVEYANCE 2016	CW S4 0	1,194	2,303	245	0	0	3,742	0	3,742	0	0	301	0	3,441	0	0	0	0	0	3,742
0 77	WWFMP IMPLEMENTATION - DESIGN-2016 SC	CW S3 (-408	220	1,450	0	0	1,262	0	1,262	О	0	102	0	1,160	0	0	0	0	0	1,262
0 78	SWM CONVEYANCE 2013-2016 SC	CW S3 (-292	0	0	0	0	-292	0	-292	О	0	-24	0	-268	0	0	0	0	0	-292
0 79	SWM CONVEYANCE 2014-2016 SC	CW S3 (-304	0	0	0	0	-304	0	-304	o	0	55	0	-359	0	0	0	0	0	-304
0 80	PUBLIC EDUCATION-2016 SC	CW S3 (50	550	0	0	0	600	0	600	o	0	48	0	552	0	0	0	0	0	600
0 81	SWM INA/EA-2016 SC	CW S3 (0	300	150	0	0	450	0	450	0	0	36	0	414	0	0	0	0	0	450
	Sub-total		10,304	17,057	17,970	16,550	15,800	77,681	62,810	140,491	0	0	6,217	0	134,274	0) 0	0	0	0	140,491
WAS906	495 SEWER ASSET PLANNING																				
0 5	SEWER ASSET PLANNING	CW S2 (3,419	4,000	2,400	500	0	10,319	0	10,319	o	0	830	0	9,489	0	0	0	0	0	10,319
0 7	SEWER SYSTEM INSPECTION	CW S2 (13,213	10,945	9,951	12,000	11,000	57,109	5,495	62,604	o	0	0	0	62,604	0	0	0	0	0	62,604
0 17	SEWER ASSET PLANNING - 10 YEAR	CW S6 (0	0	2,000	2,000	5,000	9,000	25,000	34,000	0	0	1,258	0	32,742	0	0	0	0	0	34,000
			•	•				=-	-	•	•									•	

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

vvas	tewa	er Program																						
							Curr	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Commit	ments F	inanced I	Зу		
Sub-		ect No. Project Name Proj No. Sub-project Name	Ward	Stat	Cat	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera	able	Total Financing
	_	SEWER ASSET PLANNING												Cubsidies									\exists	<u> </u>
0		SEWER SYSTEM INSPECTION - 10 YEAR PLAN	cw	S6	03	0	0	0	0	0	0	45,000	45,000	0	C	0	0	45,000	0	0	0	0	0	45,000
0		PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	150	0	0	0	0	150	0	150	0	C	0	0	150	0	0	0	0	0	150
0		PPD - INFRASTRUCTURE PLANNING STUDIES - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	(0	0	1,200	0	0	0	0	0	1,200
0		PPD - INFRASTRUCTURE PLANNING STUDIES-2016 SC	CW	S3	05	213	225	0	0	0	438	0	438	0	(0	0	438	0	0	0	0	0	438
0	29	SEWER SYSTEM INSPECTION-2016 SC	CW	S3	03	-4,764	500	790	0	0	-3,474	0	-3,474	0	(0	0	-3,474	0	0	0	0	0	-3,474
0	30	SEWER ASSET PLANNING-2016 SC	CW	S3	03	355	750	1,700	3,590	255	6,650	0	6,650	0	(536	0	6,114	0	0	0	0	0	6,650
		Sub-total				12,586	16,420	16,991	18,240	16,405	80,642	76,245	156,887	0	(2,624	0	154,263	0	0	0	0	0	156,887
WAS	906500	NEW SEWER CONSTRUCTION																						
0	4	NEW SEWERS - FUTURE	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	(2,288	0	5,712	0	0	0	0	0	8,000
0	5	NEW SEWERS	CW	S2	05	1,000	0	0	0	0	1,000	0	1,000	0	(622	0	378	0	0	0	0	0	1,000
0		WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	0	5,000	5,000	5,000	5,000	20,000	20,000	40,000	0	(20,000	0	20,000	0	0	0	0	0	40,000
0		DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	4,000	2,000	0	0	0	6,000	0	6,000	0	(6,000	0	0	0	0	0	0	0	6,000
0		WATERFRONT SANITARY MASTER SERVICING PLAN-2016 SC	CW	S3	05	0	-5,000	-5,000	-5,000	-5,000	-20,000	20,000	0	0	(0	0	0	0	0	0	0	0	0
0		DOWNSVIEW LANDS EXTERNAL UPGRADES-2016 SC	CW		05	-3,950	-550	2,000	4,500	0	2,000	0	2,000	0	(,	0	0	0	0	0	0	0	2,000
0	30	NEW SEWERS-2016 SC	CW	S3	05	-990	500	0	0	0	-490	0	-490	0	(-305	0	-185	0	0	0	0	0	-490
		Sub-total				60	1,950	3,000	5,500	1,000	11,510	45,000	56,510	0	(30,605	0	25,905	0	0	0	0	0	56,510
WAS	906501	YARD & BUILDING RENOVATION																						
0	11	YARDS & BUILDING RENOVATION	CW	S4	04	2	2	2	0	0	6	0	6	0	(0	0	6	0	0	0	0	0	6
		Sub-total				2	2	2	0	0	6	0	6	0	(0	0	6	0	0	0	0	0	6
WAS	906735	DIST SEWER REHAB OPS YR2005																						
0		GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	12	0	0	0	0	12	0	12	0	() 1	0	11	0	0	0	0	0	12
0		GROUP 1 SEWAGE PUMPING STATION UPGRADES -2016 SC	CW	S3	03	-8	3	0	0	0	-5	0	-5	0	(-1	0	-4	0	0	0	0	0	-5
		Sub-total				4	3	0	0	0	7	0	7	0	C	0	0	7	0	0	0	0	0	7
WAS	906741	HIGHLAND CREEK TP YR2005						_	_									_			_			
0		WAS THICKENING AND DEWATERING - ENG	CW	S2	03	115	5	0	0	0	120	0	120	0	(9	0	111	0	0	0	0	0	120

Page 9 of 21

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 S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

	pen	ildix 3. 2010 Necollillierided	Саріта	ıı bu	ugei	., 2017 () 2023 IV	'ecoiiii	Hende	u Capi	tai Fiaii	1												
Wa	astew	water Program																						
ı							Curre	ent and Fu	uture Year	Cash Flo	ow Commitr	nents			Cu	rrent and Fut	ure Year (Cash Flo	w Commitme	ents Fi	nanced [Ву		
<u>Su</u> Pri		Project No. Project Name SubProj No. Sub-project Name	Ward	d Stat.	. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 5 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges R	F leserves	Reserve Funds	Capital from Current Oth	her 1	Other2		bt - verable	Total Financing
	_	741 HIGHLAND CREEK TP YR2005												Cabolaloo										
0	18	WAS THICKENING AND DEWATERING ENG-2016 SC	3- CW	V S3	03	-108	22	6	0	0	-80	0	-80	0) () -6	0	-74	0	0	0	0	0	-80
		Sub-total				7	27	6	0	0	40	0	40	0) (3	0	37	0	0	0	0	0	40
<u>WA</u>	S90674	742 HUMBER TP YR2005																						
0	8	ODOUR CONTROL ENGINEERING	CW	V S2	04	1,750	174	100	101	0	2,125	0	2,125	0) (0	0	2,125	0	0	0	0	0	2,125
0	55	ODOUR CONTROL ENGINEERING-20 SC	16 CW	V S3	04	-511	266	0	-41	0	-286	0	-286	0) (0	0	-286	0	0	0	0	0	-286
		Sub-total				1,239	440	100	60	0	1,839	0	1,839	0) (0	0	1,839	0	0	0	0	0	1,839
<u>W</u> A	S90674	ASHRIDGES BAY TP YR2005																						
0	1	MISC MECH ENGINEERING	CW	V S2	03	905	275	850	0	0	2,030	0	2,030	O) (163	0	1,867	0	0	0	0	0	2,030
0	4	M & T RETROFIT	CW	V S2	03	409	0	0	0	0	409	0	409	o) (0	0	409	0	0	0	0	0	409
0	7	SERVICE AIR UPGRADES	CW	V S2	03	2,400	3,000	588	0	0	5,988	0	5,988	0) (0	0	5,988	0	0	0	0	0	5,988
0	56	M & T RETROFIT-2016 SC	CW	V S3	03	-406	0	0	0	0	-406	0	-406	o) (0	0	-406	0	0	0	0	0	-406
0	57	MISC MECH ENGINEERING-2016 SC	CW	V S3	03	-545	330	-12	87	0	-140	0	-140	О) () -11	0	-129	0	0	0	0	0	-140
0	58	SERVICE AIR UPGRADES-2016 SC	CW	V S3	03	-845	1,350	909	150	0	1,564	0	1,564	О) (0	0	1,564	0	0	0	0	0	1,564
		Sub-total				1,918	4,955	2,335	237	0	9,445	0	9,445	0) () 152	0	9,293	0	0	0	0	0	9,445
WA	S9067	755 WESTERN BEACHES RETROFIT																						
0	1	WESTERN BEACHES RETROFIT	CW	V S2	03	4,100	1,000	0	0	0	5,100	0	5,100	О) (410	0	4,690	0	0	0	0	0	5,100
0	13	WESTERN BEACHES RETROFIT-2016	∂SC CW	√ S3	03	-3,180	2,271	3,092	1,057	15	3,255	86	3,341	o) (269	0	3,072	0	0	0	0	0	3,341
		Sub-total				920	3,271	3,092	1,057	15	8,355	86	8,441	0) (679	0	7,762	0	0	0	0	0	8,441
WA	S90692	926 OPERATIONAL SUPPORT																						
0	6	FACILITY RENOVATION	CW	V S2	04	1,000	0	0	0	0	1,000	0	1,000	О) (0	0	1,000	0	0	0	0	0	1,000
0	23	EMP MONITORING NEEDS	CW	V S2	04	50	50	0	0	0	100	0	100	o) (0	0	100	0	0	0	0	0	100
0	40	WWTP PLC PLATFORM UPGRADE	CW	V S2	04	3,180	5,774	5,780	5,393	25	20,152	25	20,177	o) (0	0	20,177	0	0	0	0	0	20,177
0	71	BIOSOLIDS TREATMENT UPGRADES	CW	V S6	03	0	0	525	1,625	1,625	3,775	8,125	11,900	О) (0	0	11,900	0	0	0	0	0	11,900
0	94	DISTRICT OPERATIONS FACILITY UPGRADES	CW	V S6	04	0	0	0	0	0	0	3,900	3,900	o) (0	0	3,900	0	0	0	0	0	3,900
0	95	DIVISIONAL SECURITY - BACKLOG	CW	V S6	04	0	0	605	605	605	1,815	3,025	4,840	0) (0	0	4,840	0	0	0	0	0	4,840

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

						l	Curre	ent and Fu	ture Year	Cash Flor	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Bv		
						I									Jui				Capital			Debt -	Т	
		o. <u>Project Name</u> lo. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recovera	- 1	Total Financing
WAS90	6926 OPER	ATIONAL SUPPORT																						
0 9	8 DESIG	GNATED SUBSTANCE ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	С	0	0	0	100	0	0	0	0	0	100
0 1	00 DIVIS	ONAL SECURITY-2016 SC	CW	S3	04	925	1,025	0	0	0	1,950	0	1,950	С	0	0	0	1,950	0	0	0	0	0	1,950
0 1	01 FACIL	ITY RENOVATION-2016 SC	CW	S3	04	69	1,000	1,000	0	0	2,069	0	2,069	С	0	0	0	2,069	0	0	0	0	0	2,069
0 1		IPGRADES FOR WASTEWATER FMENT-2016 SC	CW	S3	04	-1,536	-1,771	-471	415	3,999	636	-1	635	С	0	0	0	635	0	0	0	0	0	635
0 1		GNATED SUBSTANCE EMENT-2016 SC	CW	S3	02	0	100	100	0	0	200	0	200	C	0	0	0	200	0	0	0	0	0	200
		Sub-total				3,788	6,178	7,539	8,038	6,254	31,797	15,074	46,871	0	0	0	0	46,871	0	0	0	0	0	46,871
WAS90	6958 SEWE	R SYSTEM REHABILITATION																						
0 5	CCTV	INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	С	0	0	0	1,200	0	0	0	0	0	1,200
0 7	10 YE	AR SEWER REHABILITATION	CW	S6	03	0	14,050	36,200	56,000	53,250	159,500	299,539	459,039	С	0	0	0	459,039	0	0	0	0	0	459,039
0 8	SPS S	CADA UPGRADES - ENGINEERING	G CW	S2	04	500	12	0	0	0	512	0	512	C	0	41	0	471	0	0	0	0	0	512
0 9	SEWE	R REHABILITATION	CW	S2	03	31,120	24,100	4,500	0	0	59,720	0	59,720	С	0	0	0	59,720	0	0	0	0	0	59,720
0 2	3 SEWA POWE	GE PUMPING STATION STANDBY	CW	S2	02	252	0	0	0	0	252	0	252	С	0	20	0	232	0	0	0	0	0	252
0 2	4 GROL UPGR	P 5 SEWAGE PUMPING STATION ADES	CW	S2	05	4,250	6,300	6,300	3,665	1,028	21,543	28	21,571	С	0	1,736	0	19,835	0	0	0	0	0	21,571
0 7		IPS 2, 3 & 4 SEWAGE PS ADES-2016 SC	CW	S3	03	6	0	0	0	0	6	0	6	С	0	1	0	5	0	0	0	0	0	6
0 7		IP 5 SEWAGE PUMPING STATION ADES-2016 SC	CW	S3	05	-1,637	-1,000	0	2,500	900	763	0	763	С	0	61	0	702	0	0	0	0	0	763
0 7		GE PUMPING STATION STANDBY R-2016 SC	CW	S3	02	-199	144	0	0	0	-55	0	-55	С	0	-5	0	-50	0	0	0	0	0	-55
0 7		CADA UPGRADES - NEERING-2016 SC	CW	S3	04	0	175	0	0	0	175	0	175	c	0	14	0	161	0	0	0	0	0	175
0 7	8 SEWE	R REHABILITATION-2016 SC	CW	S3	03	4,518	-14,400	-919	0	0	-10,801	0	-10,801	С	0	0	0	-10,801	0	0	0	0	0	-10,801
0 7	9 SEWE	R REHABILITATION - CWD	CW	S4	03	20,250	29,500	15,250	0	0	65,000	0	65,000	С	0	5,158	0	59,842	0	0	0	0	0	65,000
0 8	0 CCTV	INSPECTION-2016 SC	CW	S3	03	75	0	0	0	0	75	0	75	С	0	0	0	75	0	0	0	0	0	75
		Sub-total				60,335	58,881	61,331	62,165	55,178	297,890	299,567	597,457	0	0	7,026	0	590,431	0	0	0	0	0	597,457
WAS90	6960 STRE	AM RESTORATION & EROSION CO	NTRC																				1	
0 5	10 YE	AR STREAM RESTORATION - ALL	CW	S6	03	0	0	0	0	0	0	38,790	38,790	C	0	3,122	0	35,668	0	0	0	0	0	38,790
0 7	STRE	AM RESTORATION	CW	S2	03	10,895	4,889	2,026	1,815	50	19,675	0	19,675	C	0	1,583	0	18,092	0	0	0	0	0	19,675

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

wa	istewa	ater Prog	gram																						
								Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cui	rrent and F	uture Year (Cash Flo	w Comm	itments	Financed	Ву		
<u>Su</u> Pri			Project Name Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves F	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt	able	Total Financing
	_		RESTORATION & EROSION CON																					\exists	
0	37	WATERC	OURSE EROSION CONTROL	CW	S6	04	0	0	0	0	0	0	8,000	8,000	0	C	645	0	7,355	0)	0 0	0	0	8,000
0	38		ID CREEK STREAM ATION-2016 SC	CW	S3	04	20	25	0	0	0	45	0	45	0	C) 4	0	41	0)	0 0	0	0	45
0	39	STREAM	RESTORATION - PHASE 2	CW	S4	03	950	2,850	8,350	8,800	4,400	25,350	11,990	37,340	0	C	3,003	0	34,337	0)	0 0	0	0	37,340
0	40	STREAM	RESTORATION -2016 SC	CW	S3	03	-5,421	2,824	1,834	915	250	402	50	452	0				416			0 0	0	0	452
			Sub-total				6,444	10,588	12,210	11,530	4,700	45,472	58,830	104,302	0	C	8,393	0	95,909	0)	0 0	0	0	104,302
WA	S906966	SWM TR	CA FUNDING																						
0	8	10 YEAR	TRCA FUNDING	CW	S6	04	0	4,275	4,382	4,491	4,604	17,752	24,805	42,557	0	C	3,425	0	39,132	0)	0 0	0	0	42,557
0	22	TORONTO	O WATER TRANSFER TO TRCA 2016 SC	CW	S3	04	4,171	0	0	0	0	4,171	0	4,171	0	C	336	0	3,835	0)	0 0	0	0	4,171
			Sub-total				4,171	4,275	4,382	4,491	4,604	21,923	24,805	46,728	0	C	3,761	0	42,967	0)	0 0	0	0	46,728
WA	S906968	ENGINEE																							
0	2	CONSULT	TING FEES	CW	S2	03	8,056	5,045	2,653	251	54	16,059	1,012	17,071	0	C	0	0	17,071	0)	0 0	0	0	17,071
0	59	ROAD RE	ESTORATION	CW	S2	03	1,249	0	0	0	0	1,249	0	1,249	0	C	0	0	1,249	0)	0 0	0	0	1,249
0	61	CONSULT	TING FEES-2016 SC	CW	S3	03	-2,299	3,461	6,800	6,056	5,500	19,518	301	19,819	0	C	0	0	19,819	0)	0 0	0	0	19,819
0	62	ECS SAL	ARIES-2016 SC	CW	S3	03	13,081	0	0	0	0	13,081	0	13,081	0	C	0	0	13,081	0)	0 0	0	0	13,081
0	63	ROAD RE	ESTORATION-2016 SC	CW	S3	03	20	1,838	0	0	0	1,858	0	1,858	0	C	0	0	1,858	0)	0 0	0	0	1,858
			Sub-total				20,107	10,344	9,453	6,307	5,554	51,765	1,313	53,078	0	C	0	0	53,078	0)	0 0	0	0	53,078
WA	S906973	SEWER F	REPLACEMENT PROGRAM																					十	
0	3	10YR SE\	WER REPLACEMENT	CW	S6	03	0	16,250	30,000	35,000	40,000	121,250	225,000	346,250	0	C	12,820	0	333,430	0)	0 0	0	0	346,250
0	24	SEWAGE	FORCEMAIN REPLACEMENT	CW	S2	03	1,505	5	0	0	0	1,510	0	1,510	0	C	0	0	1,510	0)	0 0	0	0	1,510
0	25	SEWER F	REPLACEMENT 2012	CW	S2	03	1,279	0	0	0	0	1,279	0	1,279	0	C	0	0	1,279	0)	0 0	0	0	1,279
0	35	SEWER F	REPLACMENT - 2013 PROGRAM	CW	S2	03	517	0	0	0	0	517	0	517	0	C	42	0	475	0)	0 0	0	0	517
0	36	SEWER F	REPLC - 2014 PROGRAM	CW	S2	03	2,104	0	0	0	0	2,104	0	2,104	0	C	0	0	2,104	0)	0 0	0	0	2,104
0	37	FORCEM	AIN REPLACEMENT - FUTURE	CW	S6	03	0	0	0	0	2,000	2,000	10,000	12,000	0	C	0	0	12,000	0)	0 0	0	0	12,000
0			L EMERGENCY TRUNK REPAIR				54	0	0	0		54	0	54	0				54			0 0		0	54
0	52	SEWER F	REPLACEMENT - METROLINX	CW	S2	03	57	1,900	1,900	1,786	0	5,643	0	5,643	0	C	0	0	5,643	0)	0 0	0	0	5,643

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	itments F	inanced	Ву		
	oritySub	ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	able	Total Financing
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	6,732	5,491	0	0	0	12,223	0	12,223	c	0	984	0	11,239	0	0	0	0	0	12,223
0	70	FORCEMAIN REPLACEMENT-2016 SC	CW	S3	03	-1,500	0	0	0	0	-1,500	0	-1,500	С	0	0	0	-1,500	0	0	0	0	0	-1,500
0	71	SEWER REPLC - 2016 PROGRAM	CW	S4	03	7,447	9,083	4,610	0	0	21,140	0	21,140	c	0	1,702	0	19,438	0	0	0	0	0	21,140
0	72	COXWELL EMERGENCY TRUNK REPAIR-2016 SC	CW	S3	03	149	0	0	0	0	149	0	149	С	0	0	0	149	0	0	0	0	0	149
0	73	SEWER REPLC - 2014 PROGRAM-2016 SC	CW	S3	03	-1,898	607	0	0	0	-1,291	0	-1,291	С	0	0	0	-1,291	0	0	0	0	0	-1,291
0	74	SEWER REPLC - 2015 PROGRAM-2016 SC	CW	S3	03	2,554	-3,981	182	0	0	-1,245	0	-1,245	С	0	-99	0	-1,146	0	0	0	0	0	-1,245
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S4	03	2,100	3,100	10,000	9,900	50	25,150	50	25,200	С	0	0	0	25,200	0	0	0	0	0	25,200
0	76	2012 SEWER REPLC-2016 SC	CW	S3	03	-1,278	415	0	0	0	-863	0	-863	С	0	0	0	-863	0	0	0	0	0	-863
0	77	2013 SEWER REPLC-2016 SC	CW	S3	03	-504	0	0	0	0	-504	0	-504	C	0	-41	0	-463	0	0	0	0	0	-504
		Sub-total			-	19,318	32,870	46,692	46,686	42,050	187,616	235,050	422,666	0	0	15,408	0	407,258	0	0	0	0	0	422,666
WAS	906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	510	1,049	0	0	0	1,559	0	1,559	c	0	125	0	1,434	0	0	0	0	0	1,559
0	40	DEWATERING EQUIPMENT UPGRADES-2016 SC	CW	S3	03	-213	199	0	0	0	-14	0	-14	c	0	-1	0	-13	0	0	0	0	0	-14
		Sub-total				297	1,248	0	0	0	1,545	0	1,545	0	0	124	0	1,421	0	0	0	0	0	1,545
WAS	906981	HIGHLAND CREEK WWTP UPGRADES			-																		一	
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,110	950	675	727	883	5,345	85	5,430	C	0	0	0	5,430	0	0	0	0	0	5,430
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	18,390	6,095	120	120	70	24,795	0	24,795	С	0	2,006	0	22,789	0	0	0	0	0	24,795
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	500	500	500	2,000	8,000	11,500	6,000	17,500	С	0	1,408	0	16,092	0	0	0	0	0	17,500
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	1,578	45	0	0	0	1,623	0	1,623	С	0	0	0	1,623	0	0	0	0	0	1,623
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	4,575	4,600	10	0	0	9,185	0	9,185	С	0	0	0	9,185	0	0	0	0	0	9,185
0	16	MECH SYSTEM UPGRADES - CONSTR	CW	S2	03	762	0	0	0	0	762	0	762	c	0	0	0	762	0	0	0	0	0	762
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	3,599	590	2,720	4,800	0	11,709	0	11,709	С	0	0	0	11,709	0	0	0	0	0	11,709
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	1,383	0	0	0	0	1,383	0	1,383	С	0	0	0	1,383	0	0	0	0	0	1,383
0	32	CEPA COMPLIANCE - CL NOTICE - HCTF	P CW	S2	02	450	2,000	0	0	0	2,450	0	2,450	С	0	0	0	2,450	0	0	0	0	0	2,450

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

						Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments l	Financed	Ву	
<u>Sub</u> Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat. Ca	t. 2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal _I Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverab Debt	le Total Financing
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																				
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2 03	1,500	1,300	0	0	0	2,800	0	2,800	C	0	0	0	2,800	0	C	0	0	0 2,800
0	83	PLANT FIRM CAPACITY - CONCEPT DESIGN	CW	S2 03	25	0	0	0	0	25	0	25	С	0	0	0	25	0	C	0	0	0 25
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S2 03	150	50	0	0	0	200	0	200	С	0	0	0	200	0	C	0	0	0 200
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S2 03	735	125	0	0	0	860	0	860	С	0	0	0	860	0	(0	0	0 860
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2 03	2,650	4,150	3,600	1,400	0	11,800	0	11,800	С	0	0	0	11,800	0	(0	0	0 11,800
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S4 04	100	10,000	12,000	12,000	10,900	45,000	10,000	55,000	С	0	0	0	55,000	0	C	0	0	0 55,000
0	102	LIQUID TRAIN - ENGINEERING	CW	S2 03	4,100	5,500	6,500	8,600	3,700	28,400	11,780	40,180	С	0	0	0	40,180	0	C	0	0	0 40,180
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6 04	0	0	0	0	12,000	12,000	110,000	122,000	С	0	0	0	122,000	0	(0	0	0 122,000
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6 03	0	0	250	250	250	750	1,250	2,000	С	0	0	0	2,000	0	C	0	0	0 2,000
0	105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6 03	0	0	0	0	0	0	34,700	34,700	С	0	0	0	34,700	0	(0	0	0 34,700
0	106	PROCESS & FACILITY UPGRADE-2016 S	C CW	S3 04	-462	962	45	-112	-35	398	590	988	С	0	0	0	988	0	(0	0	0 988
0	107	MECH & ELECTRICAL UPGRADE ENGINEERING-2016 SC	CW	S3 03	-1,386	567	0	0	0	-819	0	-819	С	0	0	0	-819	0	(0	0	0 -819
0	110	MECH SYSTEM UPGRADES - CONSTR-2016 SC	CW	S3 03	-762	0	0	0	0	-762	0	-762	С	0	0	0	-762	0	(0	0	0 -762
0	111	ELEC SYSTEM UPGRADES - CONSTR-2016 SC	CW	S3 03	-1,375	390	0	0	0	-985	0	-985	С	0	0	0	-985	0	(0	0	0 -985
0	112	DIGESTER CLEANING, REHAB&IMPROVEMENTS #4-7-2016 SC	CW	S3 03	-1,363	-1,050	124	81	85	-2,123	0	-2,123	С	0	0	0	-2,123	0	(0	0	0 -2,123
0	113	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)-2016 SC	CW	S3 03	-100	150	0	0	0	50	0	50	С	0	0	0	50	0	(0	0	0 50
0	114	PROCESS, EQUIPMENT, FACILITY UPGRADES-2016 SC	CW	S3 03	-560	1,115	0	0	0	555	0	555	С	0	0	0	555	0	(0	0	0 555
0	115	PLANT FIRM CAPACITY - CONCEPT DESIGN-2016 SC	CW	S3 03	-25	0	0	0	0	-25	0	-25	С	0	0	0	-25	0	C	0	0	0 -25
0	116	CEPA COMPLIANCE - CL NOTICE - HCTP-2016 SC	CW	S3 02	-425	-1,025	1,500	0	0	50	0	50	С	0	0	0	50	0	(0	0	0 50
0	117	LIQUID TRAIN REPAIRS - PHASE 1-2016 SC	CW	S3 03	-610	-110	1,056	0	0	336	0	336	С	0	0	0	336	0	(0	0	0 336
0	118	BIOSOLIDS TREATMENT UPGRADES -2016 SC	CW	S3 03	-7,938	5,865	0	0	0	-2,073	0	-2,073	С	0	-166	0	-1,907	0	C	0	0	0 -2,073
0	119	DIGESTER GAS SYSTEM UPGRADES-2016 SC	CW	S3 03	0	-48	2,515	1,300	0	3,767	0	3,767	С	0	0	0	3,767	0	(0	0	0 3,767
0	120	TRANSFORMERS AND SWITCHGEAR-2016 SC	CW	S3 05	0	0	0	-2,000	-8,000	-10,000	-6,000	-16,000	С	0	-1,288	0	-14,712	0	C	0	0	0 -16,000
0	121	ELECTRICAL UPGRADES - ECAR-2016 S	C CW	S3 03	-2,358	527	-2,070	2,430	1,210	-261	0	-261	С	0	0	0	-261	0	C	0	0	0 -261

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

	010110	iter i rogiam																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Commi	tments F	Financed	Ву		
<u>Sub</u> Prio		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - ecoverable	Total Financing
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	122	LIQUID TRAIN - ENGINEERING-2016 SC	CW	S3	03	2	500	0	0	0	502	10,000	10,502	0	(0	0	10,502	0	0	0	(0 0	10,502
0	123	COMMUNICATION SYSTEM	CW	S4	04	200	300	650	1,900	400	3,450	50	3,500	0	(0	0	3,500	0	0	0	(0 0	3,500
		Sub-total				25,445	44,048	30,195	33,496	29,463	162,647	178,455	341,102	0	C	1,960	0	339,142	0	0) 0		0 (341,102
WAS	906982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	939	34	0	0	0	973	0	973	0	(0	0	973	0	0	0	(0 C	973
0	5	FLOOD PROTECTION	CW	S3	02	300	0	0	0	0	300	0	300	0	(0	0	300	0	0	0	(0 0	300
0	6	NEW SUBSTATION	CW	S2	03	479	3	0	0	0	482	0	482	0	(0	0	482	0	0	0	(0 0	482
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	1,168	4,943	2,900	1,000	0	10,011	0	10,011	0	(0	0	10,011	0	0	0	(0 C	10,011
0	8	NEW GROUNDSKEEPING BUILDING	CW	S2	01	227	0	0	0	0	227	0	227	0	C	0	0	227	0	0	0	(0 0	227
0	29	ADMIN BUILDING EXPANSION	CW	S2	04	250	300	100	260	260	1,170	50	1,220	0	(0	0	1,220	0	0	0	(0 0	1,220
0	52	HVAC UPGRADES	CW	S2	03	4,684	3,357	18	3	0	8,062	0	8,062	0	C	0	0	8,062	0	0	0	(0 0	8,062
0	68	CITY IMPROVEMENTS RE: TH COGEN	CW	S6	04	0	1,000	4,000	3,000	455	8,455	0	8,455	0	(0	0	8,455	0	0	0	(0 C	8,455
0	75	HYDRAULIC ASSESSMENT	CW	S2	03	200	0	0	0	0	200	0	200	0	(0	0	200	0	0	0	(0 0	200
0	81	BLOWER REPLACEMENT	CW	S4	03	250	250	0	100	200	800	18,100	18,900	0	(0	0	18,900	0	0	0	(0 0	18,900
0	82	DIGESTERS CLEANING REHAB	CW	S6	03	0	0	410	825	825	2,060	2,050	4,110	0	(0	0	4,110	0	0	0	(0 0	4,110
0	83	ELECTRICAL UPGRADES - FUTURE	CW	S6	01	0	0	0	0	0	0	2,000	2,000	0	C	0	0	2,000	0	0	0	(0 0	2,000
0	84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	3,075	3,075	0	(0	0	3,075	0	0	0	(0 0	3,075
0	86	BUILDING UPGRADES ENGINEERING	CW	S2	03	60	10	0	0	0	70	0	70	0	(0	0	70	0	0	0	(0 0	70
0	90	ELEC CONDITION ASSESSMENT RECOMMENDATIONS-2016 SC	CW	S3	01	-318	-2,574	-700	100	23	-3,469	23	-3,446	0	(0	0	-3,446	0	0	0	(0 0	-3,446
0	91	ADMIN BUILDING EXPANSION - ENGINEERING-2016 SC	CW	S3	04	50	100	310	-100	-235	125	-25	100	0	C	0	0	100	0	0	0	(0 0	100
0	92	BUILDING UPGRADES ENGINEERING-2016 SC	CW	S3	03	-51	-10	0	0	0	-61	0	-61	0	(0	0	-61	0	0	0	(о с	-61
0	93	NEW GROUNDSKEEPING BUILDING-2016 SC	6 CW	S3	01	-227	0	0	0	0	-227	0	-227	0	(0	0	-227	0	0	0	(0 0	-227
0	94	CHLORINE FACILITY UPGRADE-2016 SC	CW	S3	01	-793	356	0	0	0	-437	0	-437	0	(0	0	-437	0	0	0	(0 0	-437
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S4	03	6,200	2,700	400	0	0	9,300	0	9,300	0	C	0	0	9,300	0	0	0	(o c	9,300

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

Wa	stewa	ater Program																						
							Curr	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comn	nitments	Finance	і Ву		
	ritySub	oject No. Project Name oProj No. Sub-project Name thumber wwtp upgrades	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
О	96	HYDRAULIC ASSESSMENT-2016 SC	CW	S3	03	-200	0	0	0	0	-200	0	-200	0	0	0	0	-200	(0 () (0	0	-200
0	97	NEW SUBSTATION-2016 SC	CW	S3	03	0	39	5	0	0	44	0	44	0	0	0	0	44	(0 () (0	0	44
0	98	HVAC UPGRADES-2016 SC	CW	S3	03	-3,740	3,458	649	14	0	381	0	381	0	0	0	0	381	(0 () (0	0	381
0	99	WET WEATHER FLOW	CW	S4	04	400	2,000	1,450	1,000	0	4,850	0	4,850	0	0	0	0	4,850	(0 () (0	0	4,850
0	100	FIELD OFFICE	CW	S4	03	375	0	0	0	0	375	0	375	0	0	0	0	375	(0 () (0	0	375
		Sub-total				10,253	15,966	9,542	6,202	1,528	43,491	25,273	68,764	0	0	0	0	68,764	(0 () (0 0	0	68,764
WAS	906994	HIGHLAND CREEK WWTP - SOLIDS & G	AS HA																					
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	3,100	4,050	1,500	3,000	2,000	13,650	2,500	16,150	0	0	1,299	0	14,851	(0 () (0	0	16,150
0	3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	2,245	0	0	0	0	2,245	0	2,245	0	0	181	0	2,064	(0 () (0	0	2,245
0	8	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S6	04	0	0	1,000	40,000	50,000	91,000	43,000	134,000	0	0	4,961	0	129,039	(0 () (0	0	134,000
0	15	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2016 SC	CW	S3	04	-2,975	-1,040	2,840	-1,400	-1,345	-3,920	0	-3,920	О	0	-315	0	-3,605	(0 () (0	0	-3,920
0	16	WAS THICKENING - CONSTR-2016 SC	CW	S3	03	-1,245	771	0	0	0	-474	0	-474	0	0	-38	0	-436	(0 () (0	0	-474
		Sub-total				1,125	3,781	5,340	41,600	50,655	102,501	45,500	148,001	0	0	6,088	0	141,913	(0 () (0	0	148,001
WAS	907038	<u>Land Acquisition for Source Water Protect</u>																						
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	1,449	0	16,551	(0 () (0	0	18,000
0	19	TRCA - CRITICAL EROSION SITES-2016 SC	CW	S3	04	7,000	0	0	0	0	7,000	0	7,000	0	0	563	0	6,437	(0 () (0	0	7,000
0	20	TRCA - SCARBOROUGH WATERFRONT TRAIL EA-2016 SC	CW	S3	04	0	85	0	0	0	85	0	85	0	0	7	0	78	(0 () (0	0	85
0	21	TRCA - WATERCOURSE EROSION CONTROL	CW	S6	04	0	6,000	6,000	7,500	7,500	27,000	42,000	69,000	0	0	5,520	0	17,250	(0 (46,230	0	0	69,000
		Sub-total				7,000	8,085	8,000	9,500	9,500	42,085	52,000	94,085	0	0	7,539	0	40,316	(0 (0 46,230	0	0	94,085
WAS	907097	ASHBRIDGES BAY WWTP - BUILDING SI	ERVIC																					
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0	100	(0 () (0	0	100
0	19	CITY IMPROVEMENTS RE: TH COGEN	CW	S2	04	900	1,300	2,000	50	50	4,300	0	4,300	0	0	0	0	4,300	(0 () (0	0	4,300
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	1,760	1,950	1,095	10	0	4,815	0	4,815	0	0	0	0	4,815	(0 () (0	0	4,815
0	40	OUTFALL ENGINEERING	CW	S6	04	0	0	0	0	0	0	2,000	2,000	0	0	0	0	2,000	(0 () (0	0	2,000
0	52	CONTROLLED SUBSTANCE IDENTIFICATION&ABATEMENT - FY	CW	S6	03	0	0	100	100	100	300	500	800	0	0	0	0	800	(0 () (0	0	800

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

<i></i>																							
1						Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	uture Year	Cash Flov	w Comm	itments I	inanced	Ву		
	<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat	Cat	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover	able	Total Financing
	7 ASHBRIDGES BAY WWTP - BUILDING SE		Otat.	Oat.	20.0		20.0	20.0		2010 2020		2010 2020	Subsidies	Gubblay					0 11101 1	01.1012	2001	十	1 manong
0 58	CONTROLLED SUBS IDENTIFICATION&ABATEMENT-2016 SC		S3	02	0	100	0	0	0	100	0	100	0	0	0	0	100	0	C	0	0	0	100
0 59	CITY IMPROVEMENTS RE: TH COGEN-2016 SC	CW	S3	04	-750	-400	-700	1,950	0	100	50	150	0	0	0	0	150	0	C	0	0	0	150
0 60	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2016 SC	CW	S3	04	-1,110	-1,550	855	2,445	30	670	30	700	0	0	0	0	700	0	C	0	0	0	700
1	Sub-total				900	1,400	3,350	4,555	180	10,385	2,580	12,965	0	0	0	0	12,965	0	C	0	0	0	12,965
WAS907098	ASHBRIDGES BAY WWTP - EFFLUENT SY	/STE		:																		T	
0 1	DISINFECTION ENGINEERING	CW	S2	02	3,710	5,339	2,000	950	167	12,166	123	12,289	0	0	989	0	11,300	0	C	0	0	0	12,289
0 2	OUTFALL CONSTRUCTION	CW	S6	02	0	0	10,000	75,000	75,000	160,000	167,000	327,000	o	0	12,107	0	314,893	0	C	0	0	0	327,000
0 13	ABTP OUTFALL ASSESSMENT	CW	S2	02	1,020	0	0	0	0	1,020	0	1,020	0	0	82	0	938	0	C	0	0	0	1,020
0 14	OUTFALL ENGINEERING	CW	S2	02	7,000	7,000	1,400	5,000	4,000	24,400	8,800	33,200	O	0	2,671	0	30,529	0	C	0	0	0	33,200
0 23	OUTFALL ENGINEERING-2016 SC	CW	S3	02	-1,000	0	3,100	0	1,000	3,100	3,129	6,229	O	0	501	0	5,728	0	C	0	0	0	6,229
0 25	OUTFALL ASSESSMENT-2016 SC	CW	S3	02	-1,010	940	0	0	0	-70	0	-70	O	0	13	0	-83	0	C	0	0	0	-70
0 26	DISINFECTION SYSTEM CONSTRUCTION	I CW	S6	02	0	40,000	45,000	45,000	40,000	170,000	15,500	185,500	O	0	14,930	0	170,570	0	C	0	0	0	185,500
0 27	DISINFECTION ENGINEERING-2016 SC	CW	S3	02	-2,210	-1,839	4,200	10	0	161	0	161	0	0	13	0	148	0	C	0	0	0	161
1	Sub-total				7,510	51,440	65,700	125,960	120,167	370,777	194,552	565,329	0	0	31,306	0	534,023	0	C) 0	0	0	565,329
WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREAT	<u>IMEN</u>																					
0 1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	2,370	0	0	0	0	2,370	0	2,370	О	0	192	0	2,178	0	C	0	0	0	2,370
0 2	ODOUR CONTROL - PRIMARY TANKS 7-9 UPGRADES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	o	0	2,261	0	58,839	0	C	0	0	0	61,100
0 3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	27,000	25,000	15,131	0	0	67,131	0	67,131	0	0	5,403	0	61,728	0	C	0	0	0	67,131
0 5	FINE BUBBLE AERATION UPGRADES	CW	S6	03	0	0	0	200	1,000	1,200	120,000	121,200	0	0	4,486	0	116,714	0	C	0	0	0	121,200
0 6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,670	0	0	0	0	5,670	0	5,670	0	0	0	0	5,670	0	C	0	0	0	5,670
0 7	PRIMARY AND FINAL TANK UPGRADES	CW	S2	03	595	0	0	0	0	595	0	595	О	0	48	0	547	0	C	0	0	0	595
0 10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	10,117	8,437	10,000	6,000	6,000	40,554	14,000	54,554	О	0	0	0	54,554	0	C	0	0	0	54,554
0 12	WORK AREA 1 REHAB	CW	S2	03	2	0	0	0	0	2	0	2	0	0	0	0	2	0	C	0	0	0	2
0 39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	1,000	25,000	45,000	45,000	50,000	166,000	159,000	325,000	o	0	0	0	325,000	0	C	0	0	0	325,000

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

			Ī		Curr	ant and F	Itura Vass	Cach Ela	v Commite	nente			C	ront and F	uturo Voc	Cach Elc.	, Commi	tmonto F	inarcad	By		
			}	1	Curre	ani and Fl	nure rear	Casi1 F101	v Commitn	ielita			Cui	rent and Fi	uture Year			unents F	manced			
	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	from	Other 1	Other2	Recov		Total Financing
	13MTA																					
INTEGRATED PUMPING STATION (IPS) - CONS-2016 SC	CW	S3	03	-1,000	-25,000	-35,000	0	-5,000	-66,000	66,000	0	0	0	0	0	0	0	0	0	0	0	0
INTEGRATED PUMPING STATION (IPS) - ENG-2016 SC	CW	S3	03	-4,712	-2,476	-2,000	2,000	2,000	-5,188	5,750	562	0	0	0	0	562	0	0	0	0	0	562
M & T PUMPING STATION CRITICAL REPAIRS-2016 SC	CW	S3	03	-2,521	2,250	0	0	0	-271	0	-271	0	0	0	0	-271	0	0	0	0	0	-271
Primary and Final Tank Upgrades-2016 SC	CW	S3	03	106	0	0	0	0	106	0	106	0	0	9	0	97	0	0	0	0	0	106
FINE BUBBLE AERATION - TANK #2-2016 SC	6 CW	S3	03	-259	500	0	0	0	241	0	241	0	0	20	0	221	0	0	0	0	0	241
P BLDG HEADWORKS UPGRADE-2016 SC	CW	S3	03	8,605	10	-8,303	0	0	312	0	312	0	0	26	0	286	0	0	0	0	0	312
WORK AREA 1 REHAB-2016 SC	CW	S3	03	4	3	0	0	0	7	0	7	0	0	0	0	7	0	0	0	0	0	7
Sub-total				46,977	33,724	24,828	53,200	54,000	212,729	425,850	638,579	0	0	12,445	0	626,134	0	0	0	0	0	638,579
00 ASHBRIDGES BAY WWTP - SOLIDS & G	AS HA																					
WASTE ACTIVATED SLUDGE UPGRADE ENGINEERING	- CW	S2	03	2,000	4,596	2,000	2,000	2,000	12,596	2,100	14,696	0	0	1,183	0	13,513	0	0	0	0	0	14,696
DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	600	11,950	10,700	4,710	4,710	32,670	1,050	33,720	o	0	2,713	0	31,007	0	0	0	0	0	33,720
BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	o	0	0	0	400	0	0	0	0	0	400
WASTE ACTIVATED SLUDGE UPGRADE CONSTRUCTION	- CW	S6	03	0	5,000	15,000	20,000	15,000	55,000	30,000	85,000	0	0	3,146	0	81,854	0	0	0	0	0	85,000
PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	725	500	500	0	0	1,725	0	1,725	0	0	0	0	1,725	0	0	0	0	0	1,725
PELLETIZER TRUCK LOADING FACILITY UPGRADES-2016 SC	CW	S3	03	-625	467	0	1,000	0	842	0	842	0	0	0	0	842	0	0	0	0	0	842
BIOSOLIDS PELLETIZER RETROFIT-20°	6 CW	S3	03	0	400	0	0	0	400	0	400	o	0	0	0	400	0	0	0	0	0	400
WASTE ACTIVATED SLUDGE UPGRADE ENG-2016 SC	- CW	S3	03	37	-1,096	1,092	0	0	33	-498	-465	0	0	-38	0	-427	0	0	0	0	0	-465
DIGESTERS 9-12 REFURBISH-2016 SC	CW	S3	03	2,400	-2,300	1,176	7,000	-4,000	4,276	-100	4,176	0	0	335	0	3,841	0	0	0	0	0	4,176
Sub-total				5,537	19,517	30,468	34,710	17,710	107,942	32,552	140,494	0	0	7,339	0	133,155	0	0	0	0	0	140,494
ASHBRIDGES BAY WWTP - O&M UPGRA	DES		•																			
BOILER #4 DESIGN	CW	S2	03	57	0	0	0	0	57	0	57	0	0	0	0	57	0	0	0	0	0	57
MESI UPGRADES	CW	S2	03	3,100	2,500	0	0	0	5,600	0	5,600	0	0	0	0	5,600	0	0	0	0	0	5,600
MISC MECH REHAB	CW	S2	03	6,500	3,000	0	0	0	9,500	0	9,500	0	0	0	0	9,500	0	0	0	0	0	9,500
MESI UPGRADES - FUTURE YEAR	CW	S6	03	0	0	0	0	3,200	3,200	16,000	19,200	σ	0	0	0	19,200	0	0	0	0	0	19,200
0	INTEGRATED PUMPING STATION (IPS) - CONS-2016 SC INTEGRATED PUMPING STATION (IPS) - ENG-2016 SC M & T PUMPING STATION CRITICAL REPAIRS-2016 SC Primary and Final Tank Upgrades-2016 SC FINE BUBBLE AERATION - TANK #2-2016 SC P BLDG HEADWORKS UPGRADE-2016 SC WORK AREA 1 REHAB-2016 SC WASTE ACTIVATED SLUDGE UPGRADE ENGINEERING DIGESTERS 9-12 REFURBISHMENT BIOSOLIDS PELLETIZER RETROFIT WASTE ACTIVATED SLUDGE UPGRADE CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY UPGRADES-2016 SC BIOSOLIDS PELLETIZER RETROFIT-201 SC WASTE ACTIVATED SLUDGE UPGRADE CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY UPGRADES-2016 SC BIOSOLIDS PELLETIZER RETROFIT-201 SC WASTE ACTIVATED SLUDGE UPGRADE ENG-2016 SC DIGESTERS 9-12 REFURBISH-2016 SC Sub-total ASHBRIDGES BAY WWTP - O&M UPGRADE BOILER #4 DESIGN MESI UPGRADES MISC MECH REHAB	JUDPTOJ NO. SUB-PROJECT NAME WARD ASHBRIDGES BAY WWTP - LIQUID TREATMEN INTEGRATED PUMPING STATION (IPS) - CW CONS-2016 SC INTEGRATED PUMPING STATION (IPS) - CW ENG-2016 SC M & T PUMPING STATION CRITICAL REPAIRS-2016 SC Primary and Final Tank Upgrades-2016 SC Primary and Final Tank Upgrades-2016 SC WORK AREA 1 REHAB-2016 SC WORK AREA 1 REHAB-2016 SC WASTE ACTIVATED SLUDGE UPGRADE - CW ENGINEERING DIGESTERS 9-12 REFURBISHMENT WASTE ACTIVATED SLUDGE UPGRADE - CW CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY CW UPGRADES PELLETIZER TRUCK LOADING FACILITY CW UPGRADES PELLETIZER TRUCK LOADING FACILITY CW UPGRADES-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW SC WASTE ACTIVATED SLUDGE UPGRADE - CW CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY CW UPGRADES PELLETIZER TRUCK LOADING FACILITY CW UPGRADES-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW SC WASTE ACTIVATED SLUDGE UPGRADE - CW ENG-2016 SC DIGESTERS 9-12 REFURBISH-2016 SC CW SUB-total ASHBRIDGES BAY WWTP - O&M UPGRADES BOILER #4 DESIGN CW MESI UPGRADES CW MISC MECH REHAB CW	JUBPTOJ NO. SUB-Project Name Ward Stat. ASHBRIDGES BAY WWTP - LIQUID TREATMEN INTEGRATED PUMPING STATION (IPS) - CW S3 CONS-2016 SC INTEGRATED PUMPING STATION (IPS) - CW S3 ENG-2016 SC M & T PUMPING STATION CRITICAL CW S3 REPAIRS-2016 SC Primary and Final Tank Upgrades-2016 SC CW S3 FINE BUBBLE AERATION - TANK #2-2016 CW S3 SC P BLDG HEADWORKS UPGRADE-2016 CW S3 SC WORK AREA 1 REHAB-2016 SC CW S3 Sub-total ASHBRIDGES BAY WWTP - SOLIDS & GAS HA WASTE ACTIVATED SLUDGE UPGRADE - CW S2 ENGINEERING DIGESTERS 9-12 REFURBISHMENT CW S2 WASTE ACTIVATED SLUDGE UPGRADE - CW S6 CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY CW S2 UPGRADES PELLETIZER TRUCK LOADING FACILITY CW S3 SC WASTE ACTIVATED SLUDGE UPGRADE - CW S3 SC BIOSOLIDS PELLETIZER RETROFIT CW S2 UPGRADES PELLETIZER TRUCK LOADING FACILITY CW S3 UPGRADES-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW S3 SC WASTE ACTIVATED SLUDGE UPGRADE - CW S3 ENG-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW S3 SC WASTE ACTIVATED SLUDGE UPGRADE - CW S3 ENG-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW S3 SC WASTE ACTIVATED SLUDGE UPGRADE - CW S3 ENG-2016 SC BIOSOLIDS PELLETIZER RETROFIT-2016 CW S3 ENG-2016 SC DIGESTERS 9-12 REFURBISH-2016 SC CW S3 Sub-total ASHBRIDGES BAY WWTP - O&M UPGRADES BOILER #4 DESIGN CW S2 MESI UPGRADES CW S2 MISC MECH REHAB CW S2	March Stat. Cat.	UDPTOJ NO. SUb-project Name Ward Stat. Cat. 2016 29 ASHBRIDGES BAY WWTP - LIQUID TREATMEN INTEGRATED PUMPING STATION (IPS) - CW S3 03 -1,000 CONS-2016 SC INTEGRATED PUMPING STATION (IPS) - CW S3 03 -4,712 ENG-2016 SC INTEGRATED PUMPING STATION CRITICAL CW S3 03 -2,521 REPAIRS-2016 SC M & T PUMPING STATION CRITICAL CW S3 03 106 FINE BUBBLE AERATION - TANK #2-2016 CW S3 03 -2,59 SC P BLDG HEADWORKS UPGRADE-2016 CW S3 03 8,605 SC WORK AREA 1 REHAB-2016 SC CW S3 03 46,977 20 ASHBRIDGES BAY WWTP - SOLIDS & GAS HA WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03 4000 BIOSOLIDS PELLETIZER RETROFIT CW S2 03 400 WASTE ACTIVATED SLUDGE UPGRADE - CW S6 03 0 WASTE ACTIVATED SLUDGE UPGRADE - CW S6 03 0 CONSTRUCTION PELLETIZER TRUCK LOADING FACILITY CW S2 03 725 UPGRADES PELLETIZER TRUCK LOADING FACILITY CW S3 03 -625 UPGRADES PELLETIZER RETROFIT CW S3 03 -625 UPGRADES PELLETIZER RETROFIT CW S3 03 -625 UPGRADES PELLETIZER RETROFIT CW S3 03 -625 UPGRADES PELLETIZER RETROFIT-2016 CW S3 03 -625 UPGRADES PELLETIZER RETROFIT-2016 CW S3 03 -625 UPGRADES - CW S3 03 -625 UPGRADES - CW S3 03 -625 UPGRADES - CW S3 03 -625 UPGRADES - CW S3 03 -625 UPGRADES - CW S2 03 -6500 MESI UPGRADES BOILER #4 DESIGN CW S2 03 -6500	Note	Notice Notice Notice Name N	No. Sub-project Name Ward Stat. Cat.	TOIGET NO. Project Name UbProj No. Sub-project Name Ward Stat. Cat. 2016 2017 2018 2019 2020 2020 2020 2020 2020 2020 2020	Total Description Project Name Ward Stat. 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2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020 2016-2020			TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR SUB-PROPRIOR 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CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

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							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Commi	itments I	inanced	Ву		
		<u>pject No. Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WA	S907101	ASHBRIDGES BAY WWTP - O&M UPGF	RADES																					
0	29	MISC MECH REHAB-2016 SC	CW	S3	03	-1,901	3,500	1,900	0	0	3,499	0	3,499	o	(0	0	3,499	0	C	0	0	0	3,499
0	30	MESI UPGRADES-2016 SC	CW	S3	03	-202	485	3,074	3,167	0	6,524	0	6,524	o	(0	0	6,524	0	C	0	0	0	6,524
0	31	BOILER #4 DESIGN-2016 SC	CW	S3	03	-37	47	6	0	0	16	0	16	0	(0	0	16	0	C	0	0	0	16
		Sub-total				7,517	9,532	4,980	3,167	3,200	28,396	16,000	44,396	0	(0	0	44,396	0	C	0	0	C	44,396
WA	S907102	ASHBRIDGES BAY WWTP - ODOUR CO	NTROL																					
0	6	BIOFILTERS UPGRADE	CW	S2	03	11,542	8,400	122	0	0	20,064	0	20,064	O	(1,615	0	18,449	0	C	0	0	0	20,064
0	13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	1,145	0	0	0	0	1,145	0	1,145	О	(92	0	1,053	0	C	0	0	0	1,145
0	36	BIOFILTERS UPGRADE & REPLACEMENT-2016 SC	CW	S3	03	-2,478	-1,060	0	0	0	-3,538	0	-3,538	o	(-285	0	-3,253	0	C	0	0	0	-3,538
0	37	D BUILDING TREATMENT & BIOFILTER-2016 SC	CW	S3	03	-1,045	894	0		0	-151	0	-151	0			0	-139	0			0	0	-151
		Sub-total				9,164	8,234	122	0	0	17,520	0	17,520	0	(1,410	0	16,110	0	C	0	0	C	17,520
WA	S907104	HUMBER WWTP - LIQUID TREATMENT	& HANI																					
0	2	SECONDARY TREATMENT UPGRADES	CW	S2	03	6,134	4,025	3,600	3,582	2,000	19,341	1,875	21,216	o	(1,708	0	19,508	0	C	0	0	0	21,216
0	17	SECONDARY TREATMENT UPGRADES NORTH PLANT	- CW	S6	03	0	0	0	0	150	150	55,350	55,500	О	(2,054	0	53,446	0	C	0	0	0	55,500
0	19	SECONDARY TREATMENT UPGRADES SOUTH - CONS	- CW	S2	03	20,000	45,000	45,000	45,000	45,000	200,000	39,800	239,800	O	(19,306	0	220,494	0	C	0	0	0	239,800
0		SECONDARY TREATMENT UPGRADES SOUTH CONS-2016 SC		S3	03	-15,000	0	0	0	0	-15,000	5,200	-9,800	0	(0	-9,012	0	C		0	0	-9,800
0	23	SECONDARY TREATMENT UPGRADES SOUTH - ENG-2016 SC	- CW	S3	03	-1,551	-742	-250		1,250	-1,543	862	-681	0			0	-627	0			0	0	001
		Sub-total				9,583	48,283	48,350	48,332	48,400	202,948	103,087	306,035	0	(22,226	0	283,809	0	C	0	0		306,035
WA	S907105	HUMBER WWTP - O&M UPGRADES																						
0	1	GAS COMPRESSOR SYSTEM UPGRAD	ES CW	S2	03	5,877	4,850	0	0	0	10,727	0	10,727	O	(0	0	10,727	0	C	0	0	0	10,727
0	29	GAS COMPRESSOR SYSTEM UPGRADES-2016 SC	CW	S3	03	779	-1,846	0	0	0	-1,067	0	-1,067	0	(0	0	-1,067	0	C	0	0	0	-1,067
0	30	LIQUID STREAM UPGRADES-2016 SC	CW	S3	03	50	316	0		0	366	0	366	0				337	0	C		0		366
		Sub-total				6,706	3,320	0	0	0	10,026	0	10,026	0	() 29	0	9,997	0	C	0	0		10,026
WA	S907106	HUMBER WWTP - ODOUR CONTROL																						
0	1	ODOUR CONTROL IMPLEMENTATION - PHASE 1	· CW	S2	02	11,750	3,385	0	0	0	15,135	0	15,135	0	(1,218	0	13,917	0	C	0	0	0	15,135

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

Appen	dix 3. 2010 Necollillellaea Ca	apıta	ı bu	ugei	ι, 2017 ις	2023 IV	CCOIIII	iieiiue	u Capi	iai Fiaii													
Wastew	vater Program																						
						Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Yea	Cash Flo	ow Commi	itments l	inanced	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat	Cat	2016	2017	2018	2019	2020	Total	Total 2021-2025	Total	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other?	Recov	ebt - verable	Total Financing
	06 HUMBER WWTP - ODOUR CONTROL	vvaiu	Stat.	Cat.	2010	2017	2010	2019	2020	2016-2020	2021-2023	2010-2025	Subsidies	Subsidy	Onarges				Other	Otherz	Debt		Financing
0 12	ODOUR CONTROL IMPLEMENTATION - PHASE 1 - 2016 SC	CW	S3	02	-1,758	0	0	0	0	-1,758	0	-1,758	C) (0 -141	0	-1,617	0	(0	0	0	-1,758
	Sub-total				9,992	3,385	0	0	0	13,377	0	13,377	0	(0 1,077	0	12,300	0	(0	0	0	13,377
WAS90722	24 SEWAGE PUMPING STATION UPGRADES	<u>s</u>																					
0 1	SPS UPGRADES	CW	S2	02	3,729	0	0	0	0	3,729	0	3,729	c) (0 300	0	3,429	0	C	0	0	0	3,729
0 2	SCOTT STREET PS UPGRADES	CW	S2	05	64	0	0	0	0	64	0	64	c) (0 5	0	59	0	C	0	0	0	64
0 4	SUNNYSIDE AND MARYPORT SPS UPGRADES	CW	S2	03	3	3	0	0	0	6	0	6	c) (0 0	0	6	0	C	0	0	0	6
0 18	SPS UPGRADES - GROUP 6 & 7	CW	S4	02	190	540	3,250	6,300	5,300	15,580	7,400	22,980	C) (0 1,850	0	21,130	0	(0	0	0	22,980
0 25	SUNNYSIDE SPS REHAB-2016 SC	CW	S3	03	0	-3	0	0	0	-3	0	-3	C) (0 0	0	-3	0	C	0	0	0	-3
0 26	SPS UPGRADES - GROUP 7	CW	S6	02	0	0	100	450	3,250	3,800	18,950	22,750	c) (0 1,777	0	20,973	0	C	0	0	0	22,750
0 27	SCOTT ST PS -2016 SC	CW	S3	05	-62	0	0	0	0	-62	0	-62	C) (0 -5	0	-57	0	C	0	0	0	-62
0 28	SPS UPGRADES-2016 SC	CW	S3	02	-449	708	0	0	0	259	0	259	C) (0 21	0	238	0	C	0	0	0	259
	Sub-total				3,475	1,248	3,350	6,750	8,550	23,373	26,350	49,723	0	(0 3,948	0	45,775	0	C	0	0	0	49,723
WAS90755	59 DON & WATERFRONT TRUNK CSO																						
0 1	DON & WATERFRONT TRUNK/CSO PKG - DESIGN	1 CW	S2	04	12,601	4,000	5,546	5,180	5,180	32,507	16,667	49,174	c) (0 3,958	0	45,216	0	C	0	0	0	49,174
0 3	Don & Waterfront Trunk/CSO Construction PHASE 1	- CW	S6	04	0	0	0	23,000	46,000	69,000	138,000	207,000	C) (0 7,663	0	199,337	0	C	0	0	0	207,000
0 4	Don & Waterfront Trunk/CSO Construction PHASE 2	- CW	S6	04	0	0	0	0	0	0	159,500	159,500	C) (0 5,906	0	153,594	0	C	0	0	0	159,500
0 8	Don & Waterfront Trunk/CSO Construction PHASE 3+	- CW	S6	04	0	0	0	0	0	0	106,000	106,000	C) (0 3,925	0	102,075	0	C	0	0	0	106,000
0 13	Don&Waterfront Trunk/CSO Design PH1-2016 SC	CW	S3	04	-2,915	3,095	-208	0	0	-28	-51	-79	c) (0 -7	0	-72	0	C	0	0	0	-79
	Sub-total				9,686	7,095	5,338	28,180	51,180	101,479	420,116	521,595	0	(0 21,445	0	500,150	0	C	0	0	0	521,595
WAS90770	00 NORTH TORONTO WTP UPGRADES																						
0 2	NTTP-ELECTRICAL UPGRADES	CW	S2	01	752	500	250	0	0	1,502	0	1,502	c) (0 0	0	1,502	0	C	0	0	0	1,502
0 9	NTTP - ELECTRICAL UPGRADES - ECAR-2016 SC	CW	S3	01	-545	705	2,045	1,100	0	3,305	0	3,305	c) (0 0	0	3,305	0	C	0	0	0	3,305
	Sub-total				207	1,205	2,295	1,100	0	4,807	0	4,807	0	(0 0	0	4,807	. 0	C	0	0	0	4,807
WAS90814	Georgetown South City Infrastructure Upgra	ades																					

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 S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

		Curre	ent and Fu	iture Year (Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments	Financed	I Ву		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2		Debt - ecoverable	Total Financing
WAS908143 Georgetown South City Infrastructure Upgrades																			
0 6 GEORGETOWN SOUTH CITY INFRA CW S4 05 UPGRADES - FUTURE	5,680	5,680	5,680	5,680	0	22,720	0	22,720	С) C	0	0	22,720	0)	0 0)	0 0	22,720
Sub-total	5,680	5,680	5,680	5,680	0	22,720	0	22,720	0	C	0	0	22,720	0)) ()	0 0	22,720
WASWP003 EMERY CREEK POND																			
0 1 EMERY CREEK POND CW S2 04	1,073	0	0	0	0	1,073	0	1,073	С) C	86	0	987	0)	0 0)	0 0	1,073
0 14 EMERY CREEK POND-2016 SC CW S3 04	6,307	5,793	50	0	0	12,150	0	12,150	c) C	978	0	11,172	0)	0 0)	0 0	12,150
Sub-total Sub-total	7,380	5,793	50	0	0	13,223	0	13,223	0	C	1,064	0	12,159	0)	0 0)	0 0	13,223
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIO																			
0 35 MTI REAL TIME CONTROL CW S2 04	0	2,000	2,000	0	0	4,000	0	4,000	c) C	0	0	4,000	0)	0 0)	0 0	4,000
1 78 North Primaries Pumping Equipment CW S2 03	4,670	3,220	1,890	20	30	9,830	0	9,830	c) C	0	0	9,830	0)	0 0)	0 0	9,830
0 117 REHAB OF SOUTH PRIMARY CLARIFIERS CW S2 03	188	0	0	0	0	188	0	188	С) C	0	0	188	0)	0 0)	0 0	188
0 129 EQUIPMENT REPLACEMENT-2016 SC CW S3 03	-3,900	2,360	2,668	3,632	-30	4,730	0	4,730	c) (0	0	4,730	0)	0 0)	0 0	4,730
0 130 REHAB OF SOUTH PRIMARY CW S3 03 CLARIFIERS-2016 SC	-158	124	0	0	0	-34	0	-34	c) C	0	0	-34	0)	0 0)	0 0	-34
0 131 MTI CHAMBER UPGRADES AND CW S3 04 PCS-2016 SC	118	-2,000	-2,000	0	0	-3,882	0	-3,882	c) (0	0	-3,882	0)	0 0)	0 0	-3,882
Sub-total	918	5,704	4,558	3,652	0	14,832	0	14,832	0	C	0	0	14,832	0)) ()	0 0	14,832
Total Program Expenditure	468,198	634,676	690,144	843,387	791,567	3,427,972	3,852,369	7,280,341	0	C	243,194	0.6	6,990,917	0)	0 46,230)	0 0	7,280,341

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Page 21 of 21

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 S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2016 Recommended Capital Budget; 2017 to 2025 Recommended Capital Plan

Wastewater Program																				
		C	urrent and	Future Ye	ar Cash F	low Comr	nitments ar	nd Estimate	s		Curren	t and Future	e Year Cas	h Flow Co	ommitme	nts and	Estima	tes Fin	anced By	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name	Ward Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges		Reserve Funds	Capital from Current	Other 1	1 Other	2 De	Debt - Recoverable bt	Total Financing
Financed By: Development Charges											_	243.194		0			0	0		
Reserve Funds (Ind."XR" Ref.)		17,255 450,943	26,235 604,421	23,490 662,634	27,458 810,904	21,781 764,761	116,219 3,293,663	126,975 3,697,254		0	0	243,194	06	5,990,917	0	•	0	0	0	0 243,194 0 6,990,917
Other2 (External)		0	4,020	4,020	5,025	5,025	18,090	28,140	46,230	0	0	0	0	0	0		0 46,23	30	0	0 46,230
Total Program Financing		468,198	634,676	690,144	843,387	791,567	3,427,972	3,852,369	7,280,341	0	0	243,194	0.6	,990,917	0	-	0 46,23	30	0	0 7,280,341

S2	S2 Prior Year (With 2016 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2016 and\or Future Year
C 4	CANIC. Chard Alexa Desirat (Comment Vers Only)

ge of Scope 2016 and\or Future Year Cost\Cashflow)

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

S6 New - Future Year (Commencing in 2017 & Beyond)

Category Code Description

S6

Status 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 06 Reserved Category 1 C06 07 Reserved Category 2 C07

Appendix 4

2016 Recommended Cash Flow and Future Year Commitments

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

Wa	ter Pr	ogram																						
							Curr	ent and F	uture Yea	r Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments l	Financed	I By		
	oritySub	peroj No. Sub-project Name	Ward	Stat.	. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies		Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - coverable	Total Financing
WA	Γ000004	HORGAN W.T.P. EXPANSION																						
0	5	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	472	0	0	0	0	472	0	472	() (0 151	0	170	0) () 151	0	0	472
0	18	SUPERNATANT AND FORCEMAIN INSTALLATION	CW	S2	05	4,500	0	0	0	0	4,500	0	4,500	() (0 1,438	0	3,062	0) () 0	0	0	4,500
0	35	PLANT EXPANSION - CONSTRUCTION-2016 SC	CW	S3	05	-413	0	0	0	0	-413	0	-413	() (0 -131	0	-150	0) (-132	0	0	-413
0	36	SUPERNATANT & FORCEMAIN-2016 SC	CW	S3	05	-4,500	0	0	0	0	-4,500	0	-4,500	() (0 -1,438	0	-3,062	0) () 0	0	0	-4,500
0	37	PLANT EXPANSION - DESIGN & CONSTR ADMIN - 2016 SC	R CW	S3	05	50	0	0	0	0	50	0	50	() (0 16	0	18	0) () 16	0	0	50
		Sub-total				109	0	0	0	0	109	0	109	C) (0 36	0	38	0) () 35	5 0	0	109
WA	Γ000014	WATER STORAGE EXPANSION																						
0	50	MILLIKEN PS & RESERVOIR-DESIGN&CONT ADMIN-2016		S3	05	130	0	0	0	0	130	0	130	() (0 52	0	31	0) () 47	0	0	130
0	51	DUFFERIN RES.EXT-DESIGN AND CONT. ADMIN - 2016 SC	. cw	S3	05	5	18	0	0	0	23	0	23	() (0 14	0	9	0) (0	0	0	23
		Sub-total				135	18	0	0	0	153	0	153	() (0 66	0	40	0) () 47	7 0	0	153
WA ⁻	Γ000018	CLARK RESIDUE MGMT. FACILITIES																						
0	24	RESIDUALS RETROFITS & UPGRADES	CW	S2	02	950	0	0	0	0	950	0	950	() (0 0	0	950	0) (0	0	0	950
0	28	RESIDUALS RETROFITS AND UPGRADES-2016 SC	CW	S3	02	-750	994	425	0	0	669	0	669	() (0 0	0	669	0) () 0	0	0	669
		Sub-total				200	994	425	0	0	1,619	0	1,619	C) (0 0	0	1,619	0) () C) 0	0	1,619
WA	Γ000021	WATER EFFICIENCY PROGRAM																						
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	0	0	0	600	0	600	() (0 600	0	0	0) () 0	0	0	600
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	150	0	0	0	300	0	300	() (300	0	0	0) () 0	0	0	300
0	12	ANCILLARY COSTS	CW	S2	05	70	70	0	0	0	140	0	140	() (0 140	0	0	0) () 0	0	0	140
		Sub-total				520	520	0	0	0	1,040	0	1,040	C) (0 1,040	0	0	0) () C) 0	0	1,040
WA	Γ000340	ISLAND PLANT WINTERIZATION																						
0	1	PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	515	0	0	0	0	515	0	515	() (0 0	0	515	0) () 0	0	0	515
0	15	PLANT WINTERIZATION & SUMMERIZATION-2016 SC	CW	S3	04	-111	0	0	0	0	-111	0	-111) (0 0	0	-111	0) () 0	0	0	-111
		Sub-total				404	0	0	0	0	404	0	404	C) (0 0	0	404	0) () () 0	0	404
WA	Г000363	ENGINEERING STUDIES																						
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	207	50	0	0	0	257	0	257	() (0 0	0	257	0) (0	0	0	257

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

	ogram																						
						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	uture Year	Cash Flov	w Commi	tments F	inanced E	У		
		Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025		Federal Subsidy	Development Charges	Reserves	Reserve Funds	from	Other 1	Other2		· ' '	Fotal ancing
_	· · · ·																						
18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	68	70	60	0	0	198	0	198	0	0	0	0	198	0	0	0	0	0	198
31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
38	CORROSION CONTROL	CW	S2	02	404	0	0	0	0	404	0	404	0	0	25	0	379	0	0	0	0	0	404
64	IMPROVED TREATMENT STUDIES-2016 SC	CW	S3	04	160	210	0	0	0	370	0	370	0	0	0	0	182	0	0	188	0	0	370
65	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS	CW	S4	04	100	915	730	105	5	1,855	0	1,855	0	0	0	0	1,855	0	0	0	0	0	1,855
68	CONTROLLED SUBSTANCES ID AND ABATEMENT-2016 SC	CW	S3	02	132	130	140	0	0	402	0	402	0	0	0	0	402	0	0	0	0	0	402
69	ENERGY EFFICIENCY IMPLEMENTATION-2016 SC	CW	S3	04	-95	105	125	0	0	135	0	135	0	0	0	0	135	0	0	0	0	0	135
71	CORROSION CONTROL-2016 SC	CW	S3	02	193	0	0	0	0	193	0	193				0	181	0	0		0	0	193
	Sub-total				1,269	1,480	1,055	105	5	3,914	0	3,914	0	0	37	0	3,689	0	0	188	0	0	3,914
906334	BUSINESS SYSTEM INFRASTRUCTURE -	<u>PW</u>																					
7	NETWORK EQUIPMENT REPLACEMENT	CW	S2	03	38	0	0	0	0	38	0	38	0	0	0	0	38	0	0	0	0	0	38
8	NETWORK CABLE LIFECYCLE REPLACEMENT	CW	S2	03	1,834	2,050	1,500	0	0	5,384	0	5,384	0	0	0	0	5,384	0	0	0	0	0	5,384
9	TRUNK RADIO SYSTEM	CW	S2	04	200	100	250	750	250	1,550	280	1,830	0	0	0	0	1,830	0	0	0	0	0	1,830
12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	600	0	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600
23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	885	0	0	0	0	885	0	885	0	0	0	0	885	0	0	0	0	0	885
41	BUSINESS & TECH IMPROVEMENT - PHASE 2	CW	S2	04	3,493	4,405	5,710	6,715	3,900	24,223	3,660	27,883	0	0	0	0	27,883	0	0	0	0	0 2	27,883
42	PCS UPGRADES FOR WATER SUPPLY	CW	S2	04	1,284	219	0	0	0	1,503	0	1,503	0	0	0	0	1,503	0	0	0	0	0	1,503
67	SCADA UPGRADES FOR WWT - II	CW	S2	04	415	400	600	350	0	1,765	0	1,765	0	0	0	0	1,765	0	0	0	0	0	1,765
76	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2016 SC	CW	S3	03	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
77	SCADA UPGRADES FOR WWT-2016 SC	CW	S3	04	0	292	50	445	300	1,087	-3,500	-2,413	0	0	0	0	-2,413	0	0	0	0	0 -	-2,413
78	NETWORK CABLE LIFE CYCLE REPLACEMENT-2016 SC	CW	S3	03	-1,739	-2,050	-1,500	0	0	-5,289	0	-5,289	0	0	0	0	-5,289	0	0	0	0	0 -	-5,289
79	RELIABILITY IMPROVEMENT PROGRAM-2016 SC	CW	S3	04	-305	585	400	0	0	680	0	680	0	0	0	0	680	0	0	0	0	0	680
80	PCS LEGACY ALARM IMPROVEMENT -2016 SC	CW	S3	04	-200	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	PCS UPGRADES FOR WATER SUPPLY-2016 SC	CW	S3	04	188	-187	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
	o- Pro- pritySub- 18 31 38 64 65 68 69 71 7 8 9 12 23 41 42 67 76 77 78 79	D- Project No. Project Name DritySubProj No. Sub-project Name D00363 ENGINEERING STUDIES 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 31 ENERGY EFFICIENCY IMPLEMENTATION 38 CORROSION CONTROL 64 IMPROVED TREATMENT STUDIES-2016 SC 65 SCRUBBER AND TONNER CONNECTION IMPROVEMENTS 68 CONTROLLED SUBSTANCES ID AND ABATEMENT-2016 SC 69 ENERGY EFFICIENCY IMPLEMENTATION-2016 SC 71 CORROSION CONTROL-2016 SC 71 CORROSION CONTROL-2016 SC 72 NETWORK EQUIPMENT REPLACEMENT 8 NETWORK CABLE LIFECYCLE REPLACEMENT 9 TRUNK RADIO SYSTEM 12 PCS LEGACY ALARM IMPROVEMENT - PHASE 2 42 PCS UPGRADES FOR WATER SUPPLY 67 SCADA UPGRADES FOR WWT - II 76 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2016 SC 77 SCADA UPGRADES FOR WWT-2016 SC 78 NETWORK CABLE LIFE CYCLE REPLACEMENT-2016 SC 79 RELIABILITY IMPROVEMENT PROGRAM NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2016 SC 78 NETWORK CABLE LIFE CYCLE REPLACEMENT-2016 SC 79 RELIABILITY IMPROVEMENT PROGRAM-2016 SC 80 PCS LEGACY ALARM IMPROVEMENT PROGRAM-2016 SC 80 PCS LEGACY ALARM IMPROVEMENT PROGRAM-2016 SC 80 PCS LEGACY ALARM IMPROVEMENT PROGRAM-2016 SC 81 PCS UPGRADES FOR WATER	DE Project No. Project Name DritySubProj No. Sub-project Name DritySubProj Name DritySubProj No. Sub-project Name DritySubProj Name DritySubProj No. Sub-project Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj Name DritySubProj N	Project No. Project Name Ward Stat.	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CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

					ĺ		Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents	ĺ		Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sul Prid		iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	De Recov Debt	bt - verable	Total Financing
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE	- PW																					
0	82	SCADA UPGRADES FOR WWT - II -2016 SC	CW	S3	04	1,222	1,126	0	100	400	2,848	0	2,848	C	0	0	0	2,848	0	0	0	0	0	2,848
0	84	TRUNK RADIO SYSTEM-2016 SC	CW	S3	04	-170	300	-250	-750	-250	-1,120	-280	-1,400	C	0	0	0	-1,400	0	0	0	0	0	-1,400
0	85	NETWORK IMPROVEMENTS	CW	S4	04	1,813	1,473	340	0	0	3,626	0	3,626	C	0	0	0	3,626	0	0	0	0	0	3,626
		Sub-total				9,561	8,913	7,100	7,610	4,600	37,784	160	37,944	0	0	0	0	37,944	0	0	0	0	0	37,944
WAT	906340	METERING & METER READING SYS																						
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	30,367	2,515	0	0	0	32,882	0	32,882	C	0	0	0	32,882	0	0	0	0	0	32,882
0	17	AUTOMATED METER READING SYSTEM-2016 SC	CW	S3	04	-22,068	4,465	2,000	915	545	-14,143	0	-14,143	C	0	0	0	-14,143	0	0	0	0	0	-14,143
		Sub-total				8,299	6,980	2,000	915	545	18,739	0	18,739	0	0	0	0	18,739	0	0	0	0	0	18,739
WAT	906467	AVENUE ROAD TRUNKMAIN REPLACEM	ENT																					
0	2	AVENUE RD WM CONSTRUCTION - HI LEVELTO LAWRENCE	CW	S2	03	1,521	0	0	0	0	1,521	0	1,521	C	0	767	0	470	0	0	284	0	0	1,521
0	6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	90	0	0	0	0	90	0	90	C	0	45	0	28	0	0	17	0	0	90
0	27	JOS-AVENUEWM ENG - HI LEVEL TO LAWRENCE-2016 SC	CW	S3	03	35	0	0	0	0	35	0	35	C	0	18	0	10	0	0	7	0	0	35
0	28	AVENUE RD WM CONS - HI LEVELTO LAWRENCE - 2016 SC	CW	S3	03	-521	0	0	0	0	-521	0	-521	C	0	-263	0	-161	0	0	-97	0	0	-521
		Sub-total				1,125	0	0	0	0	1,125	0	1,125	0	0	567	0	347	0	0	211	0	0	1,125
WAT	906468	HORGAN TRUNK MAIN EXPANSION																						
0	1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	1,100	900	600	50	50	2,700	0	2,700	C	0	1,025	0	799	0	0	876	0	0	2,700
0	3	JOS - HORGAN TO ELLESMERE WM - CONSTRUCTION	CW	S2	05	5,000	30,000	26,000	2,000	0	63,000	0	63,000	C	0	23,911	0	18,639	0	0	20,450	0	0	63,000
0	49	JOS - HORGAN TO ELLESMERE WM - ENG - 2016 SC	CW	S3	05	-1,100	-900	-600	-50	-50	-2,700	0	-2,700	C	0	-1,025	0	-799	0	0	-876	0	0	-2,700
0	50	JOS - HORGAN TO ELLESMERE WM - CONS-2016 SC	CW	S3	05	-5,000	-30,000	-26,000	-2,000	0	-63,000	0	-63,000	C	0	-23,911	0	-18,639	0	0	-20,450	0	0	-63,000
		Sub-total				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAT	906470	ISLAND W.T.P. R&R																						
0	8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	680	485	250	250	50	1,715	10	1,725	C	0	0	0	1,725	0	0	0	0	0	1,725
0	11	CHEMICAL & RESIDUALS MANAGMENT CONST	CW	S2	02	1,850	7,000	7,000	7,000	2,000	24,850	0	24,850	C	0	1,512	0	23,338	0	0	0	0	0	24,850
0	28	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-2016 SC	CW	S3	02	-410	209	90	150	350	389	90	479	(0	0	0	479	0	0	0	0	0	479

CITY OF TORONTO

Sub-total

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

Appen	dix 4: 2016 Recommended C	ash F	-low	and	Future	Year Co	mmitm	ents															
Water F	Program																						
						Curr	ent and Fu	ture Year	Cash Flov	w Commitn	nents			Cui	rrent and F	uture Yea	r Cash Flo	w Comn	nitments	Finance	d By		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat	Cat	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other?	Re	Debt - ecoverable	e Total Financing
	70 ISLAND W.T.P. R&R	vvaiu	Siai.	. Cat.	2010	2017	2010	2010	2020	2010-2020	2021 2020	2010-2023	Subsidies	Oubsidy	onargoo				Other	Otherz	Debt	-	Tinancing
0 29	CHEMICAL & RESIDUALS MANAGMENT CONST-2016 SC	CW	S3	02	150	1,000	400	-4,500	1,500	-1,450	1,500	50	C) (3	0	47	(0 (0 (0 (0 (50
	Sub-total				2,270	8,694	7,740	2,900	3,900	25,504	1,600	27,104	0	C	1,515	0	25,589	(0 (0	0	0	0 27,104
WAT90648	B1 DISTRICT WATERMAINS - NEW																						+
0 1	DIST W/MAINS NEW	CW	S2	05	500	0	0	0	0	500	0	500	С) (500	0	0	(0 (0 (0 (0 (500
0 14	NEW WM -2016 SC	CW	S3	05	-450	500	0	0	0	50	О	50	C) (50	0	0	(0 (0 (0 (0 (50
	Sub-total				50	500	0	0	0	550	0	550	0	C	550	0	0	(0 (0	0	0	0 550
WAT90648	33 PW ENGINEERING																						
0 2	CAPITAL PRGMG & FACILITY ASSET PLANNING	CW	S2	03	1,669	1,800	500	0	0	3,969	0	3,969	C) (0	0	3,969	(0 (0 (0 (0 (3,969
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	985	685	135	0	0	1,805	0	1,805	C) (451	0	1,354	(0 (0 (0 (0 (1,805
0 7	EASEMENT ACQUISITION	CW	S2	04	300	0	0	0	0	300	0	300	С) C	0	0	300	(0 (0 (0 (0 (300
0 22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	570	1,300	1,000	1,000	0	3,870	0	3,870	C) (0	0	3,870	(0 (0 (0 (0 (3,870
0 37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S4	04	100	1,000	1,000	1,000	1,000	4,100	3,500	7,600	c) C	1,900	0	5,700	(0 (0 (0 (0 (7,600
0 52	JOS UPDATE PHASE II	CW	S2	05	1,000	500	0	0	0	1,500	0	1,500	С) (0	0	1,500	(0 (0 (0 (0 (1,500
0 59	WATERMAIN ASSET PLANNING-2016 SC	CW	S3	03	-175	313	456	145	0	739	0	739	C) (184	0	-451	(0 (0 1,006	3 (0 (739
0 60	JOS UPDATE PHASE II-2016 SC	CW	S3	05	-500	500	500	0	0	500	0	500	C) (1,000	0	-1,500	(0 (0 1,000) (0 (500
0 61	CAPITAL PROG& FACILITY ASSET PLANNING-2016 SC	CW	S3	03	-318	1,868	2,700	585	0	4,835	0	4,835	С) (0	0	4,835	(0 (0 (0 (0 (4,835
0 62	WATER LOSS REDUCTION STRATEGY-2016 SC	CW	S3	03	-363	-800	338	0	1,000	175	0	175	С) (0	0	175	(0 (0 (0 (0 (175
0 63	EASEMENT ACQUISITION-2016 SC	CW	S3	04	200	500	0	0	0	700	0	700	C) (0	0	700	(0 (0 (0 (0 (700
	Sub-total				3,468	7,666	6,629	2,730	2,000	22,493	3,500	25,993	0	C	3,535	0	20,452	(0 (0 2,00	δ	0	0 25,993
WAT90674	49 DOWNTOWN W/M ENHANCEMENT																						
0 1	JOS - GERRARD ST WM - ENGINEERING	G CW	S2	03	15	7	0	0	0	22	0	22	c) () 4	0	2	(0 (0 16	ò (0 (22
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	7,806	0	0	0	0	7,806	0	7,806	c) (1,554	0	283	(0 (0 5,969) (0 (7,806
0 42	JOS - GERRARD ST WM - CONSTRUCTION -2016 SC	CW	S3	03	-7,161	5,300	0	0	0	-1,861	0	-1,861	C) (371	0	-67	(0 (0 -1,423	3 (0 (-1,861
0 43	JOS - GERRARD ST WM - ENGINEERING-2016 SC	CW	S3	03	55	5	0	0	0	60	0		C							0 46		0 (
	0				745	E 040	^		_	0.007		1 000-1	l _			_	004		^		_	•	ol o oo o l

6,027

6,027

1,198

221

0 4,608

6,027

5,312

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

						Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward St	tat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
	_	TRANSMISSION R&R												-									
0	49	TRUNK WATERMAIN REHAB	CW S	32 03	545	0	0	0	0	545	0	545	0	C	0	0	545	C) 0	0	0	0	545
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW S	62 03	13,574	2,420	113	30	0	16,137	0	16,137	О	C	0	0	16,137	C	0	0	0	0	16,137
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW S	32 03	1,703	1,000	125	75	0	2,903	0	2,903	o	C	0	0	2,903	C) 0	0	0	0	2,903
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW S	64 03	2,000	3,500	2,650	0	0	8,150	0	8,150	0	C	0	0	8,150	() 0	0	0	0	8,150
0	71	TRUNK WATERMAIN REHAB-2016 SC	CW S	63 03	-295	250	250	0	0	205	0	205	0	C	0	0	205	() 0	0	0	0	205
0	72	CAST IRON TRUNK REPLC - PHASE 3 - ENG-2016 SC	CW S	3 03	0	47	-41	-61	0	-55	0	-55	0	C	0	0	-55	() 0	0	0	0	-55
0	73	CAST IRON TRUNK REPLC - PHASE 2-2016 SC	CW S	3 03	0	5,337	247	72	69	5,725	0	5,725	0	C	0	0	5,725	() 0	0	0	0	5,725
		Sub-total			17,527	12,554	3,344	116	69	33,610	0	33,610	0	C	0	0	33,610	(0	0	0	0	33,610
WAT	906900	TRANSMISSION R&R																					
0	1	TRANS FACILITIES REHAB	CW S	32 03	475	135	25	0	0	635	0	635	o	C	0	0	635	C) 0	0	0	0	635
0	6	ELLESMERE P.S. UPGRADE	CW S	S2 05	25	525	0	0	0	550	0	550	0	C	127	0	75	C) 0	348	0	0	550
0	26	SCARBOROUGH PS - PUMP REPLC	CW S	32 03	534	0	0	0	0	534	0	534	0	C	0	0	534	() 0	0	0	0	534
0	27	EGLINTON PS -PUMP REPLC	CW S	82 03	299	0	0	0	0	299	0	299	0	C	0	0	299	C) 0	0	0	0	299
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW S	S2 03	15,543	5,485	353	7	0	21,388	0	21,388	0	C	0	0	21,388	() 0	0	0	0	21,388
0	48	ROSEHILL RESERVOIR	CW S	32 03	8,000	7,500	500	0	0	16,000	0	16,000	0	C	0	0	16,000	() 0	0	0	0	16,000
0	49	DOWNSVIEW PS & CONNECTOR	CW S	62 05	150	60	0	0	0	210	0	210	0	C	0	0	210	() 0	0	0	0	210
0	50	PARKDALE PS REHABILITATION	CW S	S2 03	1,500	1,000	0	0	0	2,500	0	2,500	0	C	0	0	2,500	() 0	0	0	0	2,500
0	51	ROSEHILL PS REHAB	CW S	S2 03	975	100	0	0	0	1,075	0	1,075	0	C	0	0	1,075	() 0	0	0	0	1,075
0	62	DOWNSVIEW PS & CONNECTOR EA-201 SC	16 CW 5	3 05	200	170	0	0	0	370	0	370	0	C	0	0	370	() 0	0	0	0	370
0	63	PARKDALE PS REHABILITATION-2016 SO	c cw s	3 03	-187	1,680	1,757	21	0	3,271	0	3,271	0	C	0	0	3,271	() 0	0	0	0	3,271
0	64	TRANS FACILITIES REHAB-2016 SC	CW S	3 03	275	615	725	0	0	1,615	0	1,615	0	C	0	0	1,615	() 0	0	0	0	1,615
0	65	ELLESMERE P.S. UPGRADE-2016 SC	CW S	3 05	-25	-525	0	0	0	-550	0	-550	0	C	-127	0	-75	() 0	-348	0	0	-550
0	66	ROSEHILL PS REHAB-2016 SC	CW S	3 03	-640	1,686	2,786	1,144	11	4,987	11	4,998	0	C	0	0	4,998	C) 0	0	0	0	4,998
0	67	ARMOUR HEIGHTS PUMP#2 REPLC	CW S	64 03	100	900	900	100	0	2,000	0	2,000	0	C	0	0	2,000	C) 0	0	0	0	2,000

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

···aio	rogram																						
						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub- Pi	roject No. Project Name									Total	Total	Total	Provincial	Endoral			Reserve	Capital from				bt - verable	Total
	ubProj No. Sub-project Name V	Vard	Stat.	Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds		Other 1	Other2			Financing
WAT90690	00 TRANSMISSION R&R																						
0 68	ST CLAIR RESERVOIR REHAB/QUALITY PROTECTION-2016SC	CW	S3	03	-11,193	8,375	7,560	0	0	4,742	0	4,742	С	(0	0	4,742	0	0	0	0	0	4,742
0 69	SCARBOROUGH PS - PUMP REPLC-2016 SC	CW	S3	03	-370	0	0	0	0	-370	0	-370	c	(0	0	-370	0	0	0	0	0	-370
0 71	EGLINTON PS - PUMP REPLC-2016 SC	CW	S3	03	8	0	0	0	0	8	0	8	c	(0	0	8	0	0	0	0	0	8
0 73	ROSEHILL RESERVOIR-2016 SC	CW	S3	03	-7,351	3,800	10,000	4,600	0	11,049	0	11,049	c	(0	0	11,049	0	0	0	0	0	11,049
	Sub-total				8,318	31,506	24,606	5,872	11	70,313	11	70,324	0	(0	0	70,324	0	0	0	0	0	70,324
WAT90690	12 HARRIS W.T.P. R&R																						
0 2	BUILDING ENVELOPE REHAB	CW	S2	03	13	0	0	0	0	13	0	13	С	(0	0	13	0	0	0	0	0	13
0 3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	500	0	0	0	1,000	0	1,000	C	(0	0	1,000	0	0	0	0	0	1,000
0 21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,220	1,000	580	0	0	2,800	0	2,800	c	(0	0	2,800	0	0	0	0	0	2,800
0 29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	3,600	775	25	0	0	4,400	0	4,400	C	(0	0	4,400	0	0	0	0	0	4,400
0 56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	12,609	8,110	2,103	7	0	22,829	0	22,829	С	(0	0	22,829	0	0	0	0	0	22,829
0 79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	950	50	0	0	0	1,000	0	1,000	С	(0	0	1,000	0	0	0	0	0	1,000
0 81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	320	200	0	0	0	520	0	520	С	(0	0	520	0	0	0	0	0	520
0 82	PD2 OPTIMIZATION	CW	S2	03	90	0	0	0	0	90	0	90	С	(0	0	90	0	0	0	0	0	90
0 92	HARRIS DISINFECTION MODIFICATIONS	CW	S2	04	250	1,500	3,500	3,500	0	8,750	0	8,750	С	(532	0	8,218	0	0	0	0	0	8,750
0 93	LIQUID CHEMICAL SYSTEM RELOCATION	CW	S2	04	20	0	0	0	0	20	0	20	С	(0	0	20	0	0	0	0	0	20
0 95	HARRIS FILTERS REHABILITATION - PILOT-2016 SC	CW	S3	03	-3,250	2,665	697	0	0	112	0	112	C	(0	0	112	0	0	0	0	0	112
0 96	LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2016 SC	CW	S3	04	-113	1,201	1,148	7	0	2,243	0	2,243	С	(0	0	2,243	0	0	0	0	0	2,243
0 97	PD2 OPTIMIZATION-2016 SC	CW	S3	03	-90	0	0	0	0	-90	0	-90	С	(0	0	-90	0	0	0	0	0	-90
0 98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S4	03	200	200	200	200	200	1,000	200	1,200	C	(0	0	1,200	0	0	0	0	0	1,200
0 99	CONTROL ROOM RELOCATION	CW	S4	04	75	525	0	0	0	600	0	600	C	(0	0	600	0	0	0	0	0	600
0 100	EMERGENCY STANDBY POWER	CW	S4	04	150	850	5	0	0	1,005	0	1,005	С	(0	0	1,005	0	0	0	0	0	1,005
0 102	PHONE SYSTEM UPGRADE	CW	S4	03	70	510	0	0	0	580	0	580	С	(0	0	580	0	0	0	0	0	580
0 103	REHAB OF SETTLING BASIN ROOF&SLUICE GATES-2016 SC	CW	S3	03	-2,209	1,290	3,281	16	0	2,378	0	2,378	С	(0	0	2,378	0	0	0	0	0	2,378

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

							Curr	ent and Fu	iture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	ture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		<u>iject No.</u> <u>Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del Recov Debt		Total Financing
WAT	906902	HARRIS W.T.P. R&R																						
0	104	EXTERIOR SECURITY LIGHTING UPGRADES-2016 SC	CW	S3	03	-950	-50	100	550	550	200	0	200	О	0	0	0	200	0	0	0	0	0	200
0	105	HARRIS DISINFECTION MODIFICATIONS-2016 SC	CW	S3	04	-250	-1,500	-3,500	-3,500	0	-8,750	0	-8,750	О	0	-532	0	-8,218	0	0	0	0	0	-8,750
0	106	BUILDING ENVELOPE REHAB-2016 SC	CW	S3	03	113	0	0	0	0	113	0	113	o	0	0	0	113	0	0	0	0	0	113
0	107	HVAC REHAB CONSTRUCTION-2016 SC	CW	S3	03	-738	1,467	267	0	0	996	0	996	o	0	0	0	996	0	0	0	0	О	996
0	108	TRAVELLING 3 & 5 UPGRADE	CW	S4	03	750	0	0	0	0	750	0	750	o	0	0	0	750	0	0	0	0	0	750
		Sub-total				13,330	19,293	8,406	780	750	42,559	200	42,759	0	0	0	0	42,759	0	0	0	0	0	42,759
WAT	906903	FJ HORGAN W.T.P. R&R																						
0	5	FACILITY & PROCESS UPGRADES	CW	S2	03	1,199	300	0	0	0	1,499	0	1,499	О	0	0	0	1,499	0	0	0	0	0	1,499
0	8	RAW WATER PUMP UPGRADES	CW	S2	03	600	0	0	0	0	600	0	600	o	0	0	0	600	0	0	0	0	0	600
0	15	REPLACEMENT OF MCCS	CW	S2	03	2,290	2,233	1,100	320	149	6,092	0	6,092	o	0	0	0	6,092	0	0	0	0	o	6,092
0	16	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	CW	S2	03	500	2,500	1,950	0	0	4,950	0	4,950	o	0	0	0	4,950	0	0	0	0	0	4,950
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S4	04	75	855	1,375	1,825	10	4,140	10	4,150	O	0	0	0	4,150	0	0	0	0	0	4,150
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S2	04	700	0	0	0	0	700	0	700	O	0	0	0	700	0	0	0	0	0	700
0	34	TREATED WATER PUMP UPGRADES	CW	S2	04	1,850	550	0	0	0	2,400	0	2,400	O	0	0	0	2,400	0	0	0	0	0	2,400
0	46	OFFSHORE CHLORINATION RELOCATION-2016 SC	CW	S3	03	-500	-2,500	-1,950	0	0	-4,950	0	-4,950	O	0	0	0	-4,950	0	0	0	0	0	-4,950
0	47	FACILITY & PROCESS UPGRADES-2016 SC	CW	S3	03	0	216	0	0	0	216	0	216	O	0	0	0	216	0	0	0	0	0	216
0	48	TREATED WATER PUMP UPGRADES-2016 SC	CW	S3	04	-550	1,340	0	0	0	790	0	790	o	0	0	0	790	0	0	0	0	0	790
0	49	ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-2016SC	CW	S3	04	-365	500	3	3	0	141	0	141	O	0	0	0	141	0	0	0	0	0	141
0	51	ACCESS ROAD REPAVING-2016 SC	CW	S3	03	200	0	0	0	0	200	0	200	O	0	0	0	200	0	0	0	0	0	200
0	52	REPLACEMENT OF MCCS-2016 SC	CW	S3	03	-1,230	32	1,300	-70	3	35	19	54	0	0	0	0	54	0	0	0	0	0	54
		Sub-total				4,769	6,026	3,778	2,078	162	16,813	29	16,842	0	0	0	0	16,842	0	0	0	0	0	16,842
WAT	906906	TRUNK WATERMAIN EXPANSION											_											
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	650	700	400	50	50	1,850	0	1,850	0	0	886	0	545	0	0	419	0	0	1,850

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

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THINK WETTERMAN PERMANNING NET BEASE CREAM PERMANNET NET BEAM PERMANNE	Sub-	<u>Proje</u>	ect No. Project Name									Total	Total	Total	Provincial	Endoral			Reserve						Total
THINK WETTERMAN PERMANNING NET BEASE CREAM PERMANNET NET BEAM PERMANNE	Priority	SubF	Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Grants and Subsidies	Subsidy	Charges	Reserves	Funds		Other 1	Other2			Financing
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second S	WAT906	906	TRUNK WATERMAIN EXPANSION																						
Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin Martin M	0 67			CW	S3	05	0	-96	50	123	-29	48	0	48	(0	23	0	14	0	0	11	0	0	48
13 No. COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPONINT COMPO			Sub-total				650	604	450	173	21	1,898	0	1,898	0	0	909	0	559	0	0	430	0	C	1,898
PHASE 3 28 NDOORNOUTFOOR SWITCHGEAR CW S3 04 1.100 378 0 0 0 0 0 1.878 0 0 0 1.878 0 0 0 0 0 0 0 0 0	WAT906	914	SWITCH GEAR TRANSFORMER																						
FPASE 3: 3016 SC Sub-blook	0 13			CW	S2	03	5,400	3,703	0	0	0	9,103	0	9,103	C	0	0	0	9,103	0	0	0	0	0	9,103
National Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free Properties Free P	0 28			CW	S3	03	-1,100	-578	0	0	0	-1,678	0	-1,678	C	0	0	0	-1,678	0	0	0	0	0	-1,678
TANSMISSION OPERATIONS CW S3 04 2 0 0 0 0 2 0 0 0 0			Sub-total				4,300	3,125	0	0	0	7,425	0	7,425	0	0	0	0	7,425	0	0	0	0	0	7,425
OFTIMIZER - 2019 SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC Sub-total SC STANDBY POWER-ROSEHILL OW S2 04 13,307 7,205 20 22 0 20,534 0 20,534 0 1,248 0 19,286 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAT906	917	TRANSMISSION OPERATIONS OPTIMIZE	<u>ER</u>																					
## WATSOSSIS WATER SUSTAINABILITY PROGRAM O 1 WATER SUSTAINABILITY PROGRAM CW S2 04 13.307 7.205 20 2 0 20.534 0 20.534 0 20.534 0 0 1.248 0 18.286 0 0 0 0 0 20.530 0 0 20.530 0 0 20.530 0 0 20.530 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11			CW	S3	04	2	0	0	0	0	2	0	2	C) 0	0	0	1	0	0	1	0	0	2
0 1 WATER SUSTAINABILITY PROGRAM CW S2 04 13.307 7.205 20 2 0 20.534 0 20.534 0 0 1.248 0 19.286 0 0 0 0 0 0 20.534 0 12 STANDBY POWER - ROSEHILL CW S2 04 4.850 4.800 0 0 0 0 0 9.650 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 9.650 0 0 0 0 0 0 9.650 0 0 0 0 0 9.650 0 0 0 0 0 9.650 0 0 0 0 0 9.650 0 0 0 0 9.650 0 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.650 0 0 9.6			Sub-total				2	0	0	0	0	2	0	2	0	0	0	0	1	0	0	1	0	C	2
0 12 STANDBY POWER - ROSEHILL CW S2 04 4,850 4,800 0 0 0 0,9650 0 0 9,650 0 0 0 9,650 0 0 0 0 9,650 0 0 0 0 9,650 0 0 0 0 9,650 0 0 0 0 0 9,650 0 0 0 0 9,650 0 0 0 0 0 9,650 0 0 0 0 0 0 9,650 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAT906	918	WATER SUSTAINABILITY PROGRAM																						
0 17 WATER SUSTAINABILITY PROG CW S3 04 -3,007 9,207 0 0 0 6,200 0 6,200 0 0 377 0 -2,225 0 0 8,048 0 0 6,20	0 1	,	WATER SUSTAINABILITY PROGRAM	CW	S2	04	13,307	7,205	20	2	0	20,534	0	20,534	C) 0	1,248	0	19,286	0	0	0	0	0	20,534
STANDBY POWER-2016 SC 0 18 STANDBY POWER-ROSEHILL-2016 SC CW S3 04	0 12	2	STANDBY POWER - ROSEHILL	CW	S2	04	4,850	4,800	0	0	0	9,650	0	9,650	C) 0	0	0	9,650	0	0	0	0	0	9,650
Sub-total Sub-total 10,697 19,756 4,364 5,169 1,815 41,801 15 41,816 0 0 2,531 0 26,712 0 0 12,573 0 0 41,815 41,819 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,000 1 1 6,0	0 17			CW	S 3	04	-3,007	9,207	0	0	0	6,200	0	6,200	C	0	377	0	-2,225	0	0	8,048	0	0	6,200
NAT906919 RL CLARK W.T.P. R&R	0 18	3	STANDBY POWER - ROSEHILL-2016 SC	CW	S3	04	-4,453	-1,456	4,344	5,167	1,815	5,417	15	5,432	C	0	906	0	1	0	0	4,525	0	0	5,432
0 1 FACILITY & PROCESS UPGRADES CW S2 03 215 150 0 0 0 365 0 365 0 0 0 0 365 0 0 0 0 0 365 0 0 0 0 0 365 0 0 0 0 0 365 0 0 0 0 0 365 0 0 0 0 0 365 0 0 0 0 0 0 365 0 0 0 0 0 0 365 0 0 0 0 0 0 0 365 0 0 0 0 0 0 365 0 0 0 0 0 0 365 0 0 0 0 0 0 365 0 0 0 0 0 0 0 365 0 0 0 0 0 0 0 365 0 0 0 0 0 0 0 365 0 0 0 0 0 0 0 365 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Sub-total				10,697	19,756	4,364	5,169	1,815	41,801	15	41,816	0	0	2,531	0	26,712	0	0	12,573	0	С	41,816
0 8 PROCESS EQUIPMENT UPGRADE CW S2 03 1,275 1,037 1,225 25 0 3,562 0 3,562 0 0 217 0 3,345 0 0 0 0 0 0 3,562 0 15 PROCESS EQUIPMENT UPGRADE CW S2 03 7,800 21,000 12,215 0 0 41,015 0 41,015 0 0 2,495 0 38,520 0 0 0 0 0 0 41,010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAT906	919	RL CLARK W.T.P. R&R																						
ENGINEERING 0 15 PROCESS EQUIPMENT UPGRADE CW S2 03 7,800 21,000 12,215 0 0 41,015 0 41,015 0 0 2,495 0 38,520 0 0 0 0 0 41,0 0 44 EVALUATION & COMMUNICATION CW S2 03 1,544 25 5 0 0 1,574 0 1,574 0 0 0 0 1,574 0 0 0 0 0 1,574 0 0 0 0 1,574 0 64 PROCESS EQUIPMENT UPGRADE CW S3 03 0 0 0 0 82 0 82 0 82 0 82 0 82 0 0 0 4 0 78 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	215	150	0	0	0	365	0	365	C	0	0	0	365	0	0	0	0	0	365
CONSTRUCTION 0 44 EVALUATION & COMMUNICATION CW S2 03 1,544 25 5 0 0 1,574 0 1,574 0 0 0 0 0 1,574 0 0 0 0 0 0, 1,574 0 0 0 0 0 0, 1,574 0 0 0 0 0 0, 1,574 0 0 0 0 0 0, 1,574 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0 0 0, 1,574 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8			CW	S2	03	1,275	1,037	1,225	25	0	3,562	0	3,562	C	0	217	0	3,345	0	0	0	0	0	3,562
SYSTEMS 0 64 PROCESS EQUIPMENT UPGRADE CW S3 03 0 0 0 0 82 0 82 0 82 0 82 0 0 78 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 15			CW	S2	03	7,800	21,000	12,215	0	0	41,015	0	41,015	C	0	2,495	0	38,520	0	0	0	0	0	41,015
CONSTRUCTION-2016 SC 0 65 PROCESS EQUIPMENT UPGRADE CW S3 03 -395 -25 -745 1,367 60 262 0 262 0 0 17 0 245 0 0 0 0 0 265 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 44			CW	S2	03	1,544	25	5	0	0	1,574	0	1,574	C	0	0	0	1,574	0	0	0	0	0	1,574
ENGINEERING-2016 SC 0 66 EVACUATION AND COMMUNICATION CW S3 03 0 283 0 0 283 0 283 0 0 0 0 0 283 0 0 0 0 0 283 0 0 0 0 0 283 0 0 0 0 0 0 283 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 64			CW	S3	03	0	0	0	82	0	82	0	82	C	0	4	0	78	0	0	0	0	0	82
SYSTEMS-2016 SC 0 67 FACILITY & PROCESS UPGRADES-2016 CW S3 03 -65 0 150 0 0 85 0 0 0 0 0 85 0 0 0 0 0 0 85 0 0 0 0	0 65			CW	S3	03	-395	-25	-745	1,367	60	262	0	262	C	0	17	0	245	0	0	0	0	0	262
SC	0 66			CW	S3	03	0	283	0	0	0	283	0	283	C	0	0	0	283	0	0	0	0	0	283
Sub-total 10,374 22,470 12,850 1,474 60 47,228 0 47,228 0 0 2,733 0 44,495 0 0 0 0 47,228	0 67			CW	S3	03	-65	0	150	0	0	85	0	85	(0	0	0	85	0	0	0	0	0	85
			Sub-total				10,374	22,470	12,850	1,474	60	47,228	0	47,228	0	0	2,733	0	44,495	0	0	0	0	C	47,228

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

				ĺ		Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flov	w Commi	itments F	inanced	Ву			
	ritySub	_ · _ · · · · · · · · · · · · · · · · ·	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debi Recove Debt		Total Financing
WAT	906930	DIST W/M REPLACEMENT																						
0	15	WM REPLC - STANDALONE	CW	S2	03	1,177	0	0	0	0	1,177	0	1,177	0	0	0	0	1,177	0	0	0	0	0	1,177
0	39	DIST W/M REPLACEMENT 2013	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	51	DIST W/M REPLACEMENT - 2014	CW	S2	03	6,764	0	0	0	0	6,764	0	6,764	0	0	0	0	6,764	0	0	0	0	0	6,764
0	52	WATERMAIN UPGRADES - 2014	CW	S2	05	2,087	0	0	0	0	2,087	0	2,087	0	0	0	0	2,087	0	0	0	0	0	2,087
0	55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	50	1,000	1,000	1,000	0	3,050	0	3,050	0	0	0	0	3,050	0	0	0	0	0	3,050
0	63	DIST W/M REPLACEMENT - 2015	CW	S2	03	28,810	11,424	0	0	0	40,234	0	40,234	0	0	6,256	0	33,978	0	0	0	0	0	40,234
0	64	WATERMAIN UPGRADES - 2015	CW	S2	05	3,292	1,204	0	0	0	4,496	0	4,496	0	0	1,399	0	3,097	0	0	0	0	0	4,496
0	71	DIST W/M REPLACEMENT - 2014-2016 SO	c cw	S3	03	-5,516	401	0	0	0	-5,115	0	-5,115	0	0	0	0	-5,115	0	0	0	0	0	-5,115
0	72	DIST W/M REPLACEMENT - 2015-2016 SO	c cw	S3	03	0	-5,677	235	0	0	-5,442	0	-5,442	0	0	-844	0	-4,598	0	0	0	0	0	-5,442
0	73	DIST W/M REPLACEMENT - 2016	CW	S4	03	34,067	19,562	8,427	0	0	62,056	0	62,056	0	0	9,650	0	52,406	0	0	0	0	0	62,056
0	74	WATERMAIN UPGRADES - 2016	CW	S4	05	8,461	3,470	1,840	0	0	13,771	0	13,771	0	0	4,284	0	9,487	0	0	0	0	0	13,771
0	75	WATERMAIN UPGRADES - 2014-2016 SC	CW	S3	05	-1,729	400	0	0	0	-1,329	0	-1,329	0	0	0	0	-1,329	0	0	0	0	0	-1,329
0	76	WATERMAIN UPGRADES - 2015-2016 SC	CW	S3	05	-1,835	-867	0	0	0	-2,702	0	-2,702	0	0	-841	0	-1,861	0	0	0	0	0	-2,702
0	77	2013 WM REPLC - UPGRADES-2016 SC	CW	S3	05	106	0	0	0	0	106	0	106	0	0	33	0	73	0	0	0	0	0	106
0	78	WM REPLC - STANDALONE-2016 SC	CW	S3	03	-1,177	0	0	0	0	-1,177	0	-1,177	0	0	0	0	-1,177	0	0	0	0	0	-1,177
0	79	DIST W/M REPLC - 2012-2016 SC	CW	S3	03	148	0	0	0	0	148	0	148	0	0	0	0	148	0	0	0	0	0	148
0	80	2013 WM REPLC - SOGR-2016 SC	CW	S3	03	-480	0	0	0	0	-480	0	-480	0	0	0	0	-480	0	0	0	0	0	-480
0	81	2011 WM REPLC-2016 SC	CW	S3	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4
		Sub-total				74,729	30,917	11,502	1,000	0	118,148	0	118,148	0	0	19,937	0	98,211	0	0	0	0	0	118,148
WAT	906932	DIST W/M REHABILITATION																						
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	1,824	1,000	0	0	0	2,824	0	2,824	0	0	0	0	2,824	0	0	0	0	0	2,824
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	54,415	61,658	20,717	5,400	0	142,190	0	142,190	0	0	0	0	142,190	0	0	0	0	o	142,190
0	7	CATHODIC PROTECTION	CW	S2	03	4,595	4,450	450	0	0	9,495	0	9,495	0	0	0	0	9,495	0	0	0	0	o	9,495
0	30	CUT REPAIRS	CW	S2	03	2,765	0	0	0	0	2,765	0	2,765	0	0	0	0	2,765	0	0	0	0	0	2,765

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments I	Financed	Ву		
		oject No. Project Name IbProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Red	Debt - coverable	Total Financing
WA	T906932	2 DIST W/M REHABILITATION																						
0	46	WATERMAIN STRUCTURAL LINING-201 SC	6 CW	S3	03	-10,957	-9,340	-6,088	-5,385	2	-31,768	0	-31,768	С) () 0	0	-31,768	0	C	0	0	0	-31,768
0	47	HYDRANT & VALVE REPAIR-2016 SC	CW	S3	03	1,845	500	0	0	0	2,345	0	2,345	C) (0	0	2,345	0	C	0	0	0	2,345
0	49	CUT REPAIR-2016 SC	CW	S3	03	0	2,933	0	0	0	2,933	0	2,933	C) (0	0	2,933	0	C	0	0	0	2,933
		Sub-total				54,487	61,201	15,079	15	2	130,784	0	130,784	0	(0	0	130,784	0	C	0	() 0	130,784
WA	T906934	4 DIST WATER SERVICE REPAIR																						
0	12	ALL DISTRICT WSR - LEAD REPLACEMENT	CW	S2	02	9,250	9,250	0	0	0	18,500	0	18,500	C) () 0	0	18,500	0	C	0	0	0	18,500
0	32	WSR CUT REPAIRS	CW	S2	03	2,100	0	0	0	0	2,100	0	2,100	c) () 0	0	2,100	0	C	0	0	0	2,100
0	41	2013 WATER SERVICE REPLACMENT -SOGR	CW	S2	02	1,253	0	0	0	0	1,253	0	1,253	c) () 0	0	1,253	0	C	0	0	0	1,253
0	52	2014 WATER SERVICE REPLACEMENT SOGR	- CW	S2	02	1,891	0	0	0	0	1,891	0	1,891	c) () 0	0	1,891	0	C	0	0	0	1,891
0	59	2015 WATER SERVICE REPLACEMENT SOGR	- CW	S2	02	9,000	4,500	0	0	0	13,500	0	13,500	C) (0	0	13,500	0	C	0	0	0	13,500
0	67	WATER SERVICE REPAIR - LEAD PROGRAM-2016 SC	CW	S3	02	5,754	3,203	5,000	0	0	13,957	0	13,957	c) () 0	0	13,957	0	C	0	0	0	13,957
0	68	2016 WATER SERVICE REPLACEMENT SOGR	- CW	S4	02	10,001	12,000	5,000	0	0	27,001	0	27,001	C) (0	0	27,001	0	C	0	0	0	27,001
0	69	2014 WATER SERVICE REPLACEMENT SOGR-2016 SC	- CW	S3	02	-672	276	0	0	0	-396	0	-396	c) () 0	0	-396	0	C	0	0	0	-396
0	70	2015 WATER SERVICE REPLACEMENT SOGR-2016 SC	- CW	S3	02	-3,773	-2,223	736	2	0	-5,258	0	-5,258	c) () 0	0	-5,258	0	C	0	0	0	-5,258
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S4	02	12,000	6,000	0	0	0	18,000	0	18,000	c) () 0	0	18,000	0	C	0	0	0	18,000
0	74	REPLACEMENT OF FROZEN SERVICES	S CW	S4	02	1,000	1,000	1,000	0	0	3,000	0	3,000	С) (0	0	3,000	0	C	0	0	0	3,000
0	75	WSR CUT REPAIRS WITH WM SL	CW	S4	02	1,750	1,750	0	0	0	3,500	0	3,500	С) (0	0	3,500	0	C	0	0	0	3,500
0	76	WSR CUT REPAIR-2016 SC	CW	S3	03	-350	1,750	0	0	0	1,400	0	1,400	С) (0	0	1,400	0	C	0	0	0	1,400
0	77	2013 WSR-2016 SC	CW	S3	02	-1,004	0	0	0	0	-1,004	0	-1,004	c) () 0	0	-1,004	0	C	0	0	0	-1,004
0	78	2011 WSR	CW	S4	02	15	0	0	0	0	15	0	15	C) () 0	0	15	0	C	0	0	0	15
0	79	2012 WATER SERVICE REPLC - 2016 SC	c cw	S3	02	35	0	0	0	0	35	0	35	c) (0	0	35	0	C	0	0	0	35
		Sub-total				48,250	37,506	11,736	2	0	97,494	0	97,494	0) 0	0	97,494	0	C) 0	(0	97,494
WA	T906935	NEW SERVICE CONNECTIONS																						
0	2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	4,080	0	0	0	0	4,080	0	4,080	C) (0	0	4,080	0	C	0	0	0	4,080

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

									V	0	0 !!								_					$\overline{}$
						1	Curre	ent and Fu	iture Year	casn Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo		itments F	-inanced			
<u>Sul</u> Pri		ject No. Project Name Proj No. Sub-project Name	Ward :	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Debt	erable	Total Financing
		NEW SERVICE CONNECTIONS												Cuborarco										
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	22,100	13,500	2,500	0	0	38,100	0	38,100	С	0	0	0	38,100	0	0	0	0	0	38,100
0	20	NEW SERVICE CONNECTIONS - SITE SERVICING-2016 SC	CW	S3	05	0	8,500	5,000	0	0	13,500	0	13,500	С) 0	0	0	13,500	0	0	0	0	0	13,500
0	21	NEW SERVICE CONNECTIONS - CUT REPAIRS-2016 SC	CW	S3	05	920	5,000	0	0	0	5,920	0	5,920	С) 0) 0	0	5,920	0	0	0	0	О	5,920
		Sub-total				27,100	27,000	7,500	0	0	61,600	0	61,600	0	0	0	0	61,600	0	0	0	0	0	61,600
WAT	906951	ENGINEERING																						
0	2	CONSULTING FEES	CW	S2	03	11,389	6,909	2,998	1,251	1,054	23,601	2,013	25,614	c) 0	0	0	25,614	0	0	0	0	0	25,614
0	63	ROAD RESTORATION	CW	S2	03	5,830	0	0	0	0	5,830	0	5,830	c) 0	0	0	5,830	0	0	0	0	o	5,830
0	64	LEGAL SERVICES SALARIES-2016 SC	CW	S3	03	199	0	0	0	0	199	0	199	C	0 0	0 0	0	199	0	0	0	0	0	199
0	65	PPFA SALARIES-2016 SC	CW	S3	03	2,292	0	0	0	0	2,292	0	2,292	С) 0	0	0	2,292	0	0	0	0	0	2,292
0	66	ECS SALARIES-2016 SC	CW	S3	03	13,081	0	0	0	0	13,081	0	13,081	C) 0) 0	0	13,081	0	0	0	0	0	13,081
0	67	ROAD RESTORATION-2016 SC	CW	S3	03	150	6,005	0	0	0	6,155	0	6,155	c	0	0	0	6,155	0	0	0	0	0	6,155
0	68	CONSULTING FEES-2016 SC	CW	S3	03	-4,359	4,654	8,459	6,056	5,500	20,310	300	20,610	C) 0	0	0	20,610	0	0	0	0	0	20,610
		Sub-total				28,582	17,568	11,457	7,307	6,554	71,468	2,313	73,781	0	0	0	0	73,781	0	0	0	0	0	73,781
WA	906977	ISLAND W.T.P. R&R																						
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	757	375	0	0	0	1,132	0	1,132	С	0	0	0	1,132	0	0	0	0	o	1,132
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	2,345	0	0	0	0	2,345	0	2,345	С	0	0	0	2,345	0	0	0	0	0	2,345
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	2,120	380	10	0	0	2,510	0	2,510	С) 0	0	0	2,510	0	0	0	0	0	2,510
0	44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2	04	27	0	0	0	0	27	0	27	С	0	0	0	27	0	0	0	0	0	27
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S2	03	880	1,320	40	0	0	2,240	0	2,240	С) 0	0	0	2,240	0	0	0	0	0	2,240
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEEDISTRIBUTION	D CW	S2	03	365	0	0	0	0	365	0	365	c) 0	0	0	365	0	0	0	0	0	365
0	69	GENERATORS` DR3 PROGRAM	CW	S2	04	750	425	0	0	0	1,175	0	1,175	С) 0	0	0	1,175	0	0	0	0	0	1,175
0	70	PLANTWIDE HVAC UPGRADES	CW	S2	04	90	490	45	0	0	625	0	625	c) 0	0	0	625	0	0	0	0	0	625
0	78	Generators DR3 Program-2016 SC	CW	S3	04	-670	270	650	0	0	250	0	250	С) 0	0	0	250	0	0	0	0	0	250
0	79	PLANTWIDE HVAC UPGRADES-2016 SC	CW	S3	04	-5	637	1,096	0	0	1,728	0	1,728	C	0	0	0	1,728	0	0	0	0	0	1,728

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

							Curre	ent and Fu	ıture Year	Cash Flo	w Commitr	nents			Cur	rent and F	uture Year C	ash Flo	w Comm	nitments	Financed	Ву		
<u>Sub</u> Prio		ect No. Project Name Proj No. Sub-project Name	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal I	Development Charges	R Reserves	eserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt		Total Financing	
WATS	906977	ISLAND W.T.P. R&R																						
0	80	FACILITY UPGRADE - FORMER MARINE YARD-2016 SC	CW	S3	03	0	1,370	0	0	0	1,370	0	1,370	0	0	0	0	1,370	0	0 (0 0	0	0	1,370
0	81	TRAVELLING SCREEN REPLACEMENT-2016 SC	CW	S3	03	-1,950	800	2,420	550	10	1,830	0	1,830	0	0	0	0	1,830	0	0 (0 0	0	0	1,830
0	83	RAW WATER INTAKE CLEANING	CW	S4	03	100	1,000	0	0	0	1,100	0	1,100	0	0	0	0	1,100	0	0 (0 0	0	0	1,100
0	84	CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION-2016 SC	CW	S3	03	-360	26	0	0	0	-334	0	-334	0	0	0	0	-334	0	0 (0 0	0	0	-334
0	85	AMMONIA AND FLOURIDE SYSTEM UPGRADES-2016 SC	CW	S3	03	-535	1,279	3,400	12	0	4,156	0	4,156	0	0	0	0	4,156	0	0 (0 0	0	0	4,156
0	86	ISLAND FILTER AIR SCOUR SYSTEM-2016 SC	CW	S3	04	100	0	0	0	0	100	0	100	0	0	6	0	94	0	0 (0 0	0	0	100
0	87	ISLAND ENWAVE/RETROFIT PROJECT-2016 SC	CW	S3	04	-27	0	0	0	0	-27	0	-27	0	0	0	0	-27	0	0 (0 0	0	0	-27
0	88	FACILITY & PROCESS UPGRADES-2016 SC	CW	S3	03	1,330	550	375	0	0	2,255	0	2,255	0	0	0	0	2,255	0	0 (0 0	0	0	2,255
		Sub-total				5,317	8,922	8,036	562	10	22,847	0	22,847	0	0	6	0	22,841	0) (0	0	0	22,847
WATS	907353	LAWRENCE ALLAN REVITALIZATION PLA	<u>AN</u>																					
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	3,821	12,641	2,127	3,531	0	22,120	0	22,120	0	0	22,120	0	0	0	0 (0 0	0	0	22,120
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	2,633	5,437	0	0	0	8,070	0	8,070	0	0	8,070	0	0	0	0 (0 0	0	0	8,070
0	7	LAWRENCE ALLAN REVITALIZATION PLAN-INTERNAL-2016SC	CW	S3	05	0	-9,968	11,145	1,975	0	3,152	0	3,152	0	0	3,152	0	0	0	0 (0 0	0	0	3,152
0	8	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL-2016SC	CW	S3	05	1,459	-1,345	0	0	0	114	0	114	0	0	114	0	0	0	0 (0 0	0	0	114
		Sub-total				7,913	6,765	13,272	5,506	0	33,456	0	33,456	0	0	33,456	0	0	0) (0	0	0	33,456
WATS	907558	REGENT PARK CAPITAL CONTRIBUTION	1																					
0	1	REGENT PARK CAPITAL CONTRIBUTION	1 CW	S2	05	1,803	475	1,090	632	37	4,037	85	4,122	0	0	0	0	4,122	0	0 (0 0	0	0	4,122
0	12	REGENT PARK CAPITAL CONTRIBUTION-2016 SC	CW	S3	05	553	121	301	180	7	1,162	26	1,188	0	0	5,310	0	-4,122	0	0 (0 0	0	0	1,188
		Sub-total				2,356	596	1,391	812	44	5,199	111	5,310	0	0	5,310	0	0	0) (0	0	0	5,310
WATS	907946	BUSINESS IT PROJECTS																					\dashv	$\overline{}$
0	2	BACKFLOW INSPECTION PORTAL	CW	S2	04	200	200	0	0	0	400	0	400	0	0	0	0	400	0) (0 0	0	0	400
0	4	EDOCS	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0 (0 0	0	0	150
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,719	1,421	1,272	1,373	500	6,285	0	6,285	0	0	0	0	6,285	0	0 (0 0	0	0	6,285
0	13	BACKFLOW INSPECTION PUBLIC REPORTING PORTAL-2016SC	CW	S3	04	-200	-200	0	0	0	-400	0	-400	0	0	0	0	-400	0	0 (0 0	0	0	-400
0	14	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT-2016 SC	CW	S3	04	-800	300	150	-100	500	50	500	550	0	0	0	0	550	0	0 (0 0	0	0	550

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

						Curr	ent and Fu	ture Year	Cash Flov	w Commitm	ents			Cui	rrent and	l Future	Year Cash F	low Comn	nitments	Financ	ed By		
	oject No. Project Name IbProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Developme Charges	ent Rese	Reserve erves Funds	Capital from Current	Other 1	Other	2 De	Debt - Recoverab bt	e Total Financing
WAT90794	BUSINESS IT PROJECTS																						
0 15	EDOCS-2016 SC	CW	S3	04	-150	0	0	0	0	-150	0	-150	0	C)	0	0 -15	0	0	0	0	0	-150
	Sub-total				919	1,721	1,422	1,273	1,000	6,335	500	6,835	0	C)	0	0 6,83	5	0	0	0	0	0 6,835
WAT90808	7 TRUNK WATERMAIN																						
0 1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	1,750	1,750	10	0	0	3,510	0	3,510	0	C)	0	0 3,51	0	0	0	0	0	3,510
0 4	JOS - REVENUE METER REPLACEMENT	CW	S4	03	50	3,500	2,950	0	0	6,500	0	6,500	0	C)	0	0 3,25	0	0	0 3,2	50	0	6,500
0 6	3RD PARTY RELOCATIONS (METROLINX) CW	S2	04	500	500	250	250	0	1,500	0	1,500	0	C)	0	0 1,50	0	0	0	0	0	1,500
0 8	TRANSMISSION SYSTEM AUTOMATION-2016 SC	CW	S3	04	654	454	0	0	0	1,108	0	1,108	o	C)	0	0 1,10	8	0	0	0	0	1,108
0 9	3RD PARTY RELOCATIONS (METROLINX)-2016 SC	CW	S3	04	-200	-200	0	0	200	-200	200	0	0	C)	0	0	0	0	0	0	0	0 0
	Sub-total				2,754	6,004	3,210	250	200	12,418	200	12,618	0	C)	0	0 9,36	8	0	0 3,2	50	0	0 12,618
WAT90824	8 WT&S PLANTWIDE																						
0 1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S4	04	1,500	500	0	0	0	2,000	0	2,000	0	C)	0	0 2,00	0	0	0	0	0	2,000
0 6	STANDBY POWER - PHASE 2 - ENG	CW	S4	04	200	600	600	1,200	1,400	4,000	2,400	6,400	0	C	38	84	0 4,09	6	0	0 1,9	20	0	6,400
	Sub-total				1,700	1,100	600	1,200	1,400	6,000	2,400	8,400	0	C	38	84	0 6,09	6	0	0 1,9	20	0	0 8,400
Total P	rogram Expenditure				352,199	355,711	167,952	47,849	23,148	946,859	11,039	957,898	0	C	73,81	10	0 858,81	9	0	0 25,2	69	0	0 957,898

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Page 14 of 14

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0 25,269

0 25,269

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25,269

957,898

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

Other2 (External)

Status Code Description

Category Code Description

Total Program Financing

Gross Expenditures (\$000's)

Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

4,972

352,199

13,045

355,711 167,952

3,550

2,007

47,849

970

23,148

Water Program **Current and Future Year Cash Flow Commitments and Estimates** Current and Future Year Cash Flow Commitments and Estimates Financed By Debt -Capital Total Total Total Sub- Project No. Project Name Provincial Recoverable Reserve Total from Federal Development Grants and Financing Priority SubProj No. Sub-project Name 2016 2017 2018 2019 2020 2021-2025 Charges Reserves Funds Ward Stat. Cat. 2016-2020 2016-2025 Current Other 1 Other 2 Debt Subsidy Financed By: **Development Charges** 0 0 73,810 0 0 0 0 0 0 72,588 73,810 26,678 18,919 18,966 7,311 714 1,222 73,810 Reserve Funds (Ind."XR" Ref.) 0 0 0 0 858,819 0 0 0 0 858,819 320,549 323,747 145,436 38,531 21,464 849,727 9,092 858,819

725

11,039

25,269

957,898

0

0

73,810

0 858,819

24,544

946,859

S2	S2 Prior Year (With 2016 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2016 and\or Future Year Cost\Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

outogo., o	oue Decempion
01	Health and Safety C01
02	Legislated C02
03	State of Good Repair C03
04	Service Improvement and Enhancement C04
05	Growth Related C05

06 Reserved Category 1 C06 07 Reserved Category 2 C07

CITY OF TORONTO

Wastewater Program

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

1	J.O. 1. G	iter Frogr	u									• "		1										—	
						-	1	Curre	ent and Fu	iture Year	Cash Flor	v Commitm	nents			Cur	rent and Fu	iture Year	Cash Flo	w Commi	tments F	inanced E			
Sub	- Pro	ject No. F	Project Name									Total	Total	Total	Provincial	Federal	Development		Reserve	Capital from			Debt Recover		Total
			· '	Vard	Stat. 0	Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Grants and Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WAS	000007	ASHBRIDG	ES BAY WWTP REHAB																						
0	17	STANDBY F	POWER GENERATION	CW	S2	04	405	2	0	0	0	407	0	407	0	0	33	0	374	0	0	0	0	0	407
0	19	FERROUS	UPGRADES	CW	S2	03	4,335	6,900	5,338	450	0	17,023	0	17,023	0	0	1,377	0	15,646	0	0	0	0	0	17,023
0	30	ELECTRICA	AL REHAB	CW	S2	01	9,818	1,604	14	0	0	11,436	0	11,436	0	0	0	0	11,436	0	0	0	0	0	11,436
0	41	POLYMER	UPGRADE	CW	S2	03	700	4,000	13,000	13,000	5,041	35,741	3,635	39,376	0	0	0	0	39,376	0	0	0	0	0	39,376
0	47		ADWORKS ENG ONTRACT ADMIN	CW	S2	03	1,800	840	1,766	250	49	4,705	0	4,705	0	0	379	0	4,326	0	0	0	0	0	4,705
0	49		UPGRADES & ODOUR ENGINEERING	CW	S2	04	555	310	0	0	0	865	0	865	0	0	70	0	795	0	0	0	0	0	865
0	189	PROCESS	AND EQUIPMENT	CW	S2	03	4,633	2,000	0	0	0	6,633	0	6,633	0	0	0	0	6,633	0	0	0	0	0	6,633
0	190	FACILITY A	ND GROUNDS	CW	S2	03	771	0	0	0	0	771	0	771	0	0	0	0	771	0	0	0	0	0	771
0	215	DIGESTER 14, 16, 13	S CLEANING REHAB - TANKS	CW	S2	03	3,725	3,175	2,139	94	0	9,133	0	9,133	0	0	0	0	9,133	0	0	0	0	0	9,133
0	216	OPERATIO	NS CENTRE - ENGINEERING	CW	S2	03	350	0	0	0	0	350	0	350	0	0	0	0	350	0	0	0	0	0	350
0	224	BRIDGE UF	PGRADES (D/P BUILDING)	CW	S2	03	1,100	2,500	2,600	100	0	6,300	0	6,300	0	0	0	0	6,300	0	0	0	0	0	6,300
0	226	ABTP - EN\	/IRONMENTAL ASSESSMENT	CW	S2	05	250	600	250	0	0	1,100	0	1,100	0	0	0	0	1,100	0	0	0	0	0	1,100
0	227	AIR HEADE	R REHAB	CW	S2	03	700	1,200	0	0	0	1,900	0	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900
0	228	BLOWER B SHOP	BUILDING MAINTENANCE	CW	S2	04	100	300	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	229	D BUILDING	G PHASE 2	CW	S2	03	700	3,600	1,200	50	0	5,550	0	5,550	0	0	0	0	5,550	0	0	0	0	0	5,550
0	231	HOT WATE	R LOOP MODIFICATIONS	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	238	SECURITY	UPGRADES	CW	S2	04	1,200	1,550	0	0	0	2,750	0	2,750	0	0	0	0	2,750	0	0	0	0	0	2,750
0	243	ELECTRICA	AL REHAB - ECAP-2016 SC	CW	S3	01	-5,392	2,161	1,696	35	0	-1,500	0	-1,500	0	0	0	0	-1,500	0	0	0	0	0	-1,500
0	244	BRIDGE UF SC	PGRADES (D/P BUILDING)-2016	CW	S3	03	-1,100	-2,500	-2,600	-100	0	-6,300	0	-6,300	0	0	0	0	-6,300	0	0	0	0	0	-6,300
0	245	D BUILDING	G PHASE 2-2016 SC	CW	S3	03	-200	-3,300	1,140	2,290	2,300	2,230	4,620	6,850	0	0	0	0	6,850	0	0	0	0	0	6,850
0	246	NEW FLEE	T PURCHASES	CW	S4	04	130	0	0	0	0	130	0	130	0	0	0	0	130	0	0	0	0	0	130
0	247	HEATING &	AIR SYSTEMS ASSESSMENT	CW	S4	03	250	500	250	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0	248	SOILS MAN	NAGEMENT PLAN	CW	S4	03	100	200	100	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	249	P BLDG HE CONT ADM	ADWORKS - ENG DESIGN & IIN-2016 SC	CW	S3	03	260	350	-620	0	0	-10	0	-10	0	0	-1	0	-9	0	0	0	0	0	-10

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

						Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments l	Financed	Ву			
	ritySub	iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																						
0	250	PROCESS UPGRADES & ODOUR CONTROL ENG-2016 SC	CW	S3	04	-214	-210	0	0	0	-424	0	-424	0	0	-34	0	-390	0	C	0	() 0	-424
0	251	DIGESTERS CLEANING REHAB - TANKS 14,16,13-2016 SC	CW	S3	03	-95	-1,211	965	2,010	3,104	4,773	1,038	5,811	0	0	0	0	5,811	0	C	0	C	0	5,811
0	252	BLOWER BUILDING MAINTENANCE SHOP-2016 SC	CW	S3	04	-100	-300	0	0	0	-400	0	-400	0	0	0	0	-400	0	C	0	C) 0	-400
0	253	OPERATIONS CENTRE - ENGINEERING-2016 SC	CW	S3	03	0	100	0	0	0	100	0	100	0	0	0	0	100	0	C	0	C) 0	100
0	254	ABTP - ENVIRONMENTAL ASSESSMENT-2016 SC	CW	S3	05	0	400	250	250	0	900	0	900	0	0	0	0	900	0	C	0	C) 0	900
0	257	STANDBY POWER GENERATION-2016 St	c cw	S3	04	-73	3	0	0	0	-70	0	-70	0	0	-6	0	-64	0	C	0	C) 0	-70
0	258	PROCESS AND EQUIPMENT-2016 SC	CW	S3	03	-2,328	-204	26	27	0	-2,479	0	-2,479	0	0	0	0	-2,479	0	C	0	C	0	-2,479
0	259	GROUND AND FACILITIES-2016 SC	CW	S3	03	0	445	0	0	0	445	0	445	0	0	0	0	445	0	C	0	C	0	445
0	260	SECURITY UPGRADES-2016 SC	CW	S3	04	-1,200	-1,550	0	0	0	-2,750	0	-2,750	0	0	0	0	-2,750	0	C	0	C	0	-2,750
0	261	FERROUS UPGRADES-2016 SC	CW	S3	03	-2,620	-1,520	235	5,505	0	1,600	0	1,600	0	0	130	0	1,470	0	C	0	C) 0	1,600
0	262	AIR HEADER REHAB-2016 SC	CW	S3	03	-600	-500	1,700	0	0	600	0	600	0	0	0	0	600	0	C	0	C) 0	600
0	263	POLYMER UPGRADE-2016 SC	CW	S3	03	-100	-2,638	-9,368	500	10,459	-1,147	25,551	24,404	0	0	0	0	24,404	0	C	0	C) 0	24,404
0	264	HVAC CONVERSION Z-BLDG	CW	S4	03	500	1,500	1,500	0	0	3,500	0	3,500	0	0	0	0	3,500	0	C	0	C) 0	3,500
		Sub-total				18,860	20,307	21,581	24,461	20,953	106,162	34,844	141,006	0	0	1,948	0	139,058	0	(0		0 0	141,006
WAS	000115	HUMBER T.P.																						
0	9	CO-GENERATION	CW	S2	04	200	109	0	0	0	309	0	309	0	0	0	0	309	0	C	0	(0	309
0	61	CO-GENERATION-2016 SC	CW	S3	04	0	91	109	0	0	200	0	200	0	0	0	0	200	0	C	0	() 0	200
		Sub-total				200	200	109	0	0	509	0	509	0	0	0	0	509	0	(0	-	0 0	509
WAS	000259	TRUNK SEWER SYSTEM																						
0	15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03	6,281	1,922	391	89	11	8,694	0	8,694	0	0	0	0	8,694	0	C	0	() 0	8,694
0	23	TRUNK SEWER REHABILITATION	CW	S2	03	15	0	0	0	0	15	0	15	0	0	0	0	15	0	C	0	() 0	15
0	27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	27,325	5,925	1,393	7	0	34,650	0	34,650	0	0	0	0	34,650	0	C	0	() 0	34,650
0	34	BLACK CREEK STS EA	CW	S2	05	600	300	0	0	0	900	0	900	0	0	0	0	900	0	C	0	() 0	900
0	44	TRUNK SEWER REHABILITATION - 2014-2016 SC	CW	S3	03	3,413	18,274	6,174	1,803	10	29,674	0	29,674	0	0	0	0	29,674	0	(0	C) 0	29,674

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

						Curre	ent and F	uture Year	Cash Flo	w Commitm	nents			Cu	rrent and F	uture Year	Cash Flo	w Commi	itments I	inanced	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAS0002	259 TRUNK SEWER SYSTEM																						
0 45	TRUNK SEWER REHABILITATION - 2012-2016 SC	CW	S3	03	-912	-322	357	12	18	-847	0	-847	0) (0	0	-847	0	C	0	0	0	-847
0 46	TRUNK SEWER REHABILITATION-2016 SC	CW	S3	03	-15	0	0	0	0	-15	0	-15	0) (0	0	-15	0	C	0	0	0	-15
0 47	TRUNK SEWER REHABILITATION - 2016	CW	S4	03	1,000	3,275	19,175	11,770	240	35,460	10	35,470	0) (0	0	35,470	0	C	0	0	0	35,470
0 48	BLACK CREEK STS EA-2016 SC	CW	S3	05	250	453	0	0	0	703	0	703	0) (0	0	703	0	C	0	0	0	703
	Sub-total				37,957	29,827	27,490	13,681	279	109,234	10	109,244	0	C	0	0	109,244	0	C	0	0	0	109,244
WAS0004	BASEMENT FLOODING RELIEF																						
0 1	BASEMENT FLOODING PROTECTION SUBSIDY PROGRAM	CW	S2	04	2,000	5,500	0	0	0	7,500	0	7,500	0) (0	0	7,500	0	C	0	0	0	7,500
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	2,023	280	100	100	0	2,503	0	2,503	0) (0	0	2,503	0	C	0	0	0	2,503
0 9	BASEMENT FLOODING RELIEF - TUNNE PROJECT	L CW	S2	04	15,000	30,000	30,000	35,000	30,000	140,000	10,000	150,000	0) (0	0	150,000	0	C	0	0	0	150,000
0 12	ROAD RESTORATION FOR BSMT FLDG	CW	S2	04	800	0	0	0	0	800	0	800	0) (0	0	800	0	C	0	0	0	800
0 14	BASEMENT FLOODING DESIGN - GROU 1			04	525	1,397	129	0	0	2,051	0	2,051	0) (0	0	2,051	0	C	0	0	0	2,051
0 18	BASEMENT FLOODING DESIGN - GROU 2	P CW	S2	04	4,730	6,299	1,000	334	14	12,377	7	12,384	0) (0	0	12,384	0	C	0	0	0	12,384
0 19	2			04	31,492	66,398	45,069	2,000	0	144,959	0	144,959	0			0	144,959	0	C		0	0	144,959
0 20	BASEMENT FLOODING DESIGN - GROU 3				3,024	2,115	678	,	0	9,096	0	9,096	0			0	9,096	0	C		0	0	9,096
0 29	BASEMENT FLOODING RELIEF - GROUF 1				10,267	75	0	0	0	10,342	0	10,342	0			0	,	0	C		0	0	10,342
0 76	MONITORING		S4		1,000	1,500	1,500		1,500	7,000	500	7,500	0			0	7,500				0	0	7,500
0 77	BASEMENT FLOODING DESIGN - GROU 4			04	4,412	6,030	10,000	13,270	15,190	48,902	60,670	109,572	0				109,572		C		0	0	109,572
0 81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION		S2		7,000	9,500	5,000	0	5 000	21,500	0 000	21,500	0			0	,		C		0	0	21,500
0 86	BASEMENT FLOODING RELIEF - TUNNE PROJECT-2016 SC				-12,985	-25,500	-23,000	0	5,000	-56,485	80,000	23,515	0			0	,		C		0	0	23,515
0 88	4 ENG-2016 SC			04	2,471	5,764	7,820	8,290	6,740	31,085	18,539	49,624	0) (0	0	-,-	0	C	0	0	ار	49,624
0 92	-IMPLEMENTATION-2016 SC		S3		-686	-1,568	500		U	-1,754	0	.,	0		0	0	-1,754		0	U	0	0	-1,754
0 94	SUBSIDY PROG-2016 SC		S3		3,500	0	5,500		0	9,000	0	9,000	0				.,					0	9,000
0 95	PRJS-2016 SC		S3		-335	515	0		0	180	0	180	0									0	180
0 96	BASEMENT FLOODING DESIGN - GROU 1-2016 SC	P CW	S3	04	-126	-4	1,007	0	0	877	0	877	0) (0	0	877	0	С	0	0	0	877

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

				Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву			
	roject No. Project Name ubProj No. Sub-project Name V	Vard St	at. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAS0004	BASEMENT FLOODING RELIEF																					
0 97	BASEMENT FLOODING DESIGN - GROUP 2-2016 SC	CW S	3 04	0	-3,489	1,456	-334	-14	-2,381	-7	-2,388	0	0	0	0	-2,388	0	0	0	0	0	-2,388
0 98	BASEMENT FLOODING RELIEF - GROUP 1-2016 SC	CW S	3 04	-7,968	2,132	55	0	0	-5,781	0	-5,781	0	0	0	0	-5,781	0	0	0	0	0	-5,781
0 99	BASEMENT FLOODING RELIEF - GROUP 2-2016 SC	CW S	3 04	6,370	-19,511	-7,317	24,004	6,243	9,789	1,000	10,789	0	0	0	0	10,789	0	0	0	0	0	10,789
0 100	BASEMENT FLOODING DESIGN - GROUP 3-2016 SC	CW S	3 04	0	813	1,966	-3,011	20	-212	0	-212	0	0	0	0	-212	0	0	0	0	0	-212
0 101	BASEMENT FLOODING STUDIES & EAS-2016 SC	CW S	3 04	-1,320	570	656	100	200	206	0	206	0	0	0	0	206	0	0	0	0	0	206
	Sub-total			71,194	88,816	82,119	84,532	64,893	391,554	170,709	562,263	0	0	0	0	562,263	0	0	0	0	0	562,263
WAS0005	21 HIGHLAND CREEK WWTP - BUILDING SER	8V &																				
0 3	HCTP BLDG REHAB & IMPROVEMENTS	CW S	2 03	3,500	4,000	4,000	2,800	0	14,300	0	14,300	0	0	0	0	14,300	0	0	0	0	0	14,300
0 8	HCTP Bldg Rehab and Improvements-2016 SC	CW S	3 03	0	-500	0	-1,058	0	-1,558	0	-1,558	0	0	0	0	-1,558	0	0	0	0	0	-1,558
	Sub-total			3,500	3,500	4,000	1,742	0	12,742	0	12,742	0	0	0	0	12,742	0	0	0	0	0	12,742
WAS0009	51 NEW SEWER CONSTRUCTION																					
0 16	WESTERN BEACHES STORAGE TUNNEL	CW S	4 04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
	Sub-total			1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
WAS9063	22 W&WW LABORATORIES																					
0 9	LAB EQUIPMENT	CW S	2 03	120	150	210	0	0	480	0	480	0	0	0	0	480	0	0	0	0	0	480
0 30	LAB EQUIPMENT-2016 SC	CW S	3 03	172	38	-3	0	0	207	0	207	0	0	0	0	207	0	0	0	0	0	207
	Sub-total			292	188	207	0	0	687	0	687	0	0	0	0	687	0	0	0	0	0	687
WAS9063	28 SWM END OF PIPE FACILITIES																					
0 9	NORTH TORONTO CSO CONSTR	CW S	2 04	2,973	0	0	0	0	2,973	0	2,973	0	0	239	0	2,734	0	0	0	0	0	2,973
0 11	Bonar Creek Construction	CW S	2 04	450	5,400	7,200	2,570	150	15,770	0	15,770	0	0	1,269	0	14,501	0	0	0	0	0	15,770
0 12	EARL BALES SWM FACILITY - PHASE 2	CW S	2 04	8,582	0	0	0	0	8,582	0	8,582	0	0	692	0	7,890	0	0	0	0	0	8,582
0 56	Scarborough Waterfront Construction-2016 SC	CW S	3 04	0	-1,150	-4,000	-9,600	-11,600	-26,350	26,350	О	0	0	0	0	0	0	0	0	0	0	0
0 57	Scarborough Waterfront Construction	CW S	2 04	0	1,150	4,000	9,600	11,600	26,350	21,600	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950
0 58	EARL BALES PARK SWM FACILITY - PHASE 2-2016 SC	CW S	3 04	0	1,250	0	0	0	1,250	0	1,250	0	0	102	0	1,148	0	0	0	0	0	1,250
0 59	Bonar Creek SWMF Construction-2016 SC	CW S	3 04	0	-2,650	200	3,000	0	550	0	550	0	0	43	0	507	0	0	0	0	0	550

Nov-02-2015 16:28:31

Page 5 of 19

Report 7Ca

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

A	pend	dix 4: 2016 Recommended C	asn	FIOW	v and	Huture	Year Co	mmitm	ients															
W	astew	ater Program]																		
							Curr	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	r Cash Flo	w Comm	itments F	-inanced	Ву		
<u>Su</u> Pr		oject No. Project Name IbProj No. Sub-project Name	War	d Stat	Cat	2016	2017	2018	2019	2020	Total	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - coverable	Total Financing
		8 SWM END OF PIPE FACILITIES		<u></u>	• • • •		_							Subsidies										
0	60	NORTH TORONTO CSO CONSTR-2016	SC C	N S3	04	2	0	0	0	0	2	0	2	c) C	0	0	2	C) 0	0	0	0	2
0	61	YR03 D1 END OF PIPE	Cl	N S4	04	1	0	0	0	0	1	0	1	c) C	0	0	1	C) 0	0	0	0	1
		Sub-total				12,008	4,000	7,400	5,570	150	29,128	47,950	77,078	0	C	6,205	0	70,873	C) 0	0	0	(77,078
WA	S90633	1 SWM SOURCE CONTROL PROG																						
0	9	DOWNSPOUT DISCONNECTION PROGRAM	Cl	N S2	04	150	150	150	0	0	450	0	450	С) (0	0	450	C) 0	0	0	0	450
		Sub-total				150	150	150	0	0	450	0	450	0	C	0	0	450	C) 0	0	0	C	450
WA	S90638	0 HIGHLAND CREEK WWTP - ODOUR CO	ONTRO	<u>l</u>																-				
0	1	ODOUR CONTROL UPGRADES - PHAS ENG	E1 C\	N S2	04	605	1,920	1,100	805	0	4,430	0	4,430	c) C	358	0	4,072	C) 0	0	0	0	4,430
0	2	ODOUR CONTROL UPGRADES PHASE CONST	Ε1 C\	N S2	02	19,000	15,000	15,000	5,575	0	54,575	0	54,575	C) C	4,392	0	50,183	C) 0	0	0	0	54,575
0	18	ODOUR CONTROL UPGRADES - PHAS CONSTR-2016 SC	E1 C\	N S3	02	-1,000	0	0	-370	0	-1,370	0	-1,370	c) C	-110	0	-1,260	C	0 0	0	0	0	-1,370
0	19	ODOUR CONTROL UPGRADES - PHAS ENG-2016 SC	E1 C\	N S3	04	397	-920	-80	112	100	-391	5	-386	C) C	-32	0	-354	C) 0	0	0	0	-386
		Sub-total				19,002	16,000	16,020	6,122	100	57,244	5	57,249	0	C	4,608	0	52,641	C) 0	0	0	C	57,249
WA	S90648	6 ASHBRIDGES BAY T.P III YR2004																						
0	3	PCS-PLANT SRVS	Cl	N S2	04	50	30	0	0	0	80	0	80	c) C	6	0	74	C) 0	0	0	0	80
0	47	PCS-PLANT SRVS-2016 SC	Cl	N S3	04	117	0	0	0	0	117	0	117	C) C	9	0	108	C) 0	0	0	0	117
		Sub-total				167	30	0	0	0	197	0	197	0	C) 15	0	182	С) 0	0) 0	C	197
WA	S90648	7 HIGHLAND CREEK T.P IV YR2004																						
0	2	PCS PLANT SERVICES	Cl	N S2	04	120	0	0	0	0	120	0	120	c) C) 10	0	110	C) (0	0	0	120
0	21	PCS PLANT SERVICES-2016 SC	Cl	N S3	04	-120	0	0	0	0	-120	0	-120	С) C	-10	0	-110	C) 0	0	0	0	-120
		Sub-total				0	0	0	0	0	0	0	0	0	C	0	0	0	C) 0	0	0	(0
WA	S90648	8 HUMBER T.P II YR2004																						
0	2	PCS PLANT SERVICES	Cl	N S2	04	5	7	7	0	0	19	0	19	c) C) 2	0	17	C) (0	0	0	19
0	23	PCS PLANT SERVICES-2016 SC	Cl	N S3	04	0	-6	-7	0	0	-13	0	-13	С) (-1	0	-12	C) 0	0	0	0	-13
		Sub-total				5	1	0	0	0	6	0	6	0	C) 1	0	5	C) 0	0) 0	(6
WA	S90649:	2 WET WEATHER FLOW MP																						
0	1	SWM INA-EA	CI	N S2	04	577	350	200	50	0	1,177	0	1,177	c) C	94	0	1,083	C) 0	0	0	0	1,177

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

				Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commi	tments F	inanced	Ву			
	Project No. Project Name SubProj No. Sub-project Name	Ward \$	Stat. Ca	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt Recovera Debt		Total Financing
WAS9064	92 WET WEATHER FLOW MP				·		•						•									
0 2	WWFMP - PUBLIC EDUCATION	CW	S2 04	500	0	0	0	0	500	0	500	0	0	40	0	460	0	0	0	0	0	500
0 14	WWFMP IMPLEMENTATION - DESIGN	CW	S2 04	1,700	1,350	0	0	0	3,050	0	3,050	0	0	246	0	2,804	0	0	0	0	0	3,050
0 44	SWM CONVEYANCE 2013	CW	S2 04	292	0	0	0	0	292	0	292	0	0	24	0	268	0	0	0	0	0	292
0 51	SWM CONVEYANCE 2014	CW	S2 04	974	0	0	0	0	974	0	974	0	0	0	0	974	0	0	0	0	0	974
0 58	SWM CONVEYANCE 2015	CW	S2 04	2,201	767	0	0	0	2,968	0	2,968	0	0	75	0	2,893	0	0	0	0	0	2,968
0 59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2 03	1,000	1,000	2,200	2,200	0	6,400	0	6,400	0	0	0	0	6,400	0	0	0	0	0	6,400
0 60	Ashbridges Bay Landforms	CW	S2 04	7,208	3	4,668	0	0	11,879	0	11,879	0	0	0	0	11,879	0	0	0	0	0	11,879
0 73	STORM WATER POND ASSESSMENT & CLEANING-2016 SC	CW	S3 03	2,020	2,550	2,600	2,600	2,000	11,770	0	11,770	0	0	0	0	11,770	0	0	0	0	0	11,770
0 74	Ashbridges Bay Landforms-2016 SC	CW	S3 04	-7,158	4,997	332	5,000	5,000	8,171	12,950	21,121	0	0	0	0	21,121	0	0	0	0	0	21,121
0 75	SWM CONVEYANCE 2015-2016 SC	CW	S3 04	1,711	-333	0	0	0	1,378	0	1,378	0	0	275	0	1,103	0	0	0	0	0	1,378
0 76	SWM CONVEYANCE 2016	CW	S4 04	1,194	2,303	245	0	0	3,742	0	3,742	0	0	301	0	3,441	0	0	0	0	0	3,742
0 77	WWFMP IMPLEMENTATION - DESIGN-2016 SC	CW	S3 04	-408	220	1,450	0	0	1,262	0	1,262	0	0	102	0	1,160	0	0	0	0	0	1,262
0 78	SWM CONVEYANCE 2013-2016 SC	CW	S3 04	-292	0	0	0	0	-292	0	-292	0	0	-24	0	-268	0	0	0	0	0	-292
0 79	SWM CONVEYANCE 2014-2016 SC	CW	S3 04	-304	0	0	0	0	-304	0	-304	0	0	55	0	-359	0	0	0	0	0	-304
0 80	PUBLIC EDUCATION-2016 SC		S3 04	50	550	0	0	0	600	0	600	0	·	48	0	552	0	0		0	0	600
0 81	SWM INA/EA-2016 SC	CW	S3 04	0	300	150	0	0	450	0	450	0			0	414	0			0	0	450
WASQ06/	Sub-total 195 SEWER ASSET PLANNING			11,265	14,057	11,845	9,850	7,000	54,017	12,950	66,967	0	0	1,272	0	65,695	0	0	0	0	0	66,967
0 5	SEWER ASSET PLANNING	CW	S2 03	3,966	4,000	2,400	500	0	10,866	0	10,866	0	0	874	0	9,992	0	0	0	0	0	10,866
0 7	SEWER SYSTEM INSPECTION	CW	S2 03	13,213	10,945	9,951	12,000	11,000	57,109	5,495	62,604	0	0	0	0	62,604	0	0	0	0	0	62,604
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2 05	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
0 28	PPD - INFRASTRUCTURE PLANNING STUDIES-2016 SC	CW	S3 05	213	225	0	0	0	438	0	438	0	0	0	0	438	0	0	0	0	0	438
0 29	SEWER SYSTEM INSPECTION-2016 SC	cw	S3 03	-4,764	500	790	0	0	-3,474	0	-3,474	0	0	0	0	-3,474	0	0	0	0	0	-3,474
				I							ı l										I	ļ

Nov-02-2015 16:28:31

Page 7 of 19

Report 7Ca

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

x 4: 2016 Recommended C	asn F	iow	and	Future	Year Co	mmitm	ents															
er Program																						
					Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments l	Financed	в Ву		
ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - tecoverable	Total Financing
SEWER ASSET PLANNING																						
SEWER ASSET PLANNING-2016 SC	CW	S3	03	355	750	1,700	3,590	255	6,650	0	6,650	0) (536	0	6,114	C) () ()	0 0	6,650
Sub-total				13,133	16,420	14,841	16,090	11,255	71,739	5,495	77,234	0	C	1,410	0	75,824	C) () ()	0 (77,234
NEW SEWER CONSTRUCTION																						
NEW SEWERS	CW	S2	05	1,000	0	0	0	0	1,000	0	1,000	0) (622	0	378	C) () ()	0 0	1,000
WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	0	5,000	5,000	5,000	5,000	20,000	20,000	40,000	0) (20,000	0	20,000	C) () ()	0 0	40,000
DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	4,000	2,000	0	0	0	6,000	0	6,000	0) C	6,000	0	0	C) () ()	0 0	6,000
WATERFRONT SANITARY MASTER SERVICING PLAN-2016 SC	CW	S3	05	0	-5,000	-5,000	-5,000	-5,000	-20,000	20,000	0	0) C	0	0	0	C) () ()	0 0	0
DOWNSVIEW LANDS EXTERNAL UPGRADES-2016 SC	CW	S3	05	-3,950	-550	2,000	4,500	0	2,000	0	2,000	0) C	2,000	0	0	C) () ()	0 0	2,000
NEW SEWERS-2016 SC	CW	S3	05	-990	500	0	0	0	-490	0	-490	0) C	-305	0	-185	C) () ()	0 0	-490
Sub-total				60	1,950	2,000	4,500	0	8,510	40,000	48,510	0	C	28,317	0	20,193	C) () ()	0 (48,510
YARD & BUILDING RENOVATION																						
YARDS & BUILDING RENOVATION	CW	S4	04	2	2	2	0	0	6	0	6	0) C	0	0	6	C) () C)	0 0	6
Sub-total				2	2	2	0	0	6	0	6	0	C	0	0	6	C) () ()	0 (6
DIST SEWER REHAB OPS YR2005																						
GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	12	0	0	0	0	12	0	12	0) C) 1	0	11	C) () C)	0 0	12
GROUP 1 SEWAGE PUMPING STATION UPGRADES -2016 SC	CW	S3	03	-8	3	0	0	0	-5	0	-5	0) C	-1	0	-4	C) () ()	0 0	-5
Sub-total				4	3	0	0	0	7	0	7	0	C	0	0	7	C) () ()	0 (7
HIGHLAND CREEK TP YR2005																						
WAS THICKENING AND DEWATERING - ENG	CW	S2	03	115	5	0	0	0	120	0	120	0) (9	0	111	C) () ()	0 0	120
WAS THICKENING AND DEWATERING - ENG-2016 SC	CW	S3	03	-108	22	6	0	0	-80	0	-80	0) C	-6	0	-74	C) () ()	0 0	-80
Sub-total				7	27	6	0	0	40	0	40	0	C	3	0	37	C) () ()	0 (40
HUMBER TP YR2005																						
ODOUR CONTROL ENGINEERING	CW	S2	04	1,750	174	100	101	0	2,125	0	2,125	0) (0	0	2,125	C) () ()	0 0	2,125
ODOUR CONTROL ENGINEERING-2016 SC	CW	S3	04	-511	266	0	-41	0	-286	0	-286	0) C	0	0	-286	C) () C)	0 0	-286
Sub-total				1,239	440	100	60	0	1,839	0	1,839	0	C	0	0	1,839	С) () ()	0 (1,839
ASHRIDGES BAY TP YR2005																						
	Program Proj No. Sub-project Name SEWER ASSET PLANNING SEWER ASSET PLANNING SEWER ASSET PLANNING-2016 SC Sub-total NEW SEWER CONSTRUCTION NEW SEWERS WATERFRONT SANITARY MASTER SERVICING PLAN IMP DOWNSVIEW LANDS EXTERNAL UPGRADES WATERFRONT SANITARY MASTER SERVICING PLAN-2016 SC DOWNSVIEW LANDS EXTERNAL UPGRADES-2016 SC NEW SEWERS-2016 SC NEW SEWERS-2016 SC Sub-total PARD & BUILDING RENOVATION Sub-total DIST SEWER REHAB OPS YR2005 GROUP 1 SEWAGE PUMPING STATION UPGRADES GROUP 1 SEWAGE PUMPING STATION UPGRADES -2016 SC Sub-total HIGHLAND CREEK TP YR2005 WAS THICKENING AND DEWATERING -ENG WAS THICKENING AND DEWATERING -ENG WAS THICKENING AND DEWATERING -ENG-2016 SC Sub-total HUMBER TP YR2005 ODOUR CONTROL ENGINEERING-2016 SC Sub-total	Project Name Proj No. Sub-project Name SEWER ASSET PLANNING SEWER ASSET PLANNING SEWER ASSET PLANNING-2016 SC CW Sub-total NEW SEWER CONSTRUCTION NEW SEWERS CW WATERFRONT SANITARY MASTER SERVICING PLAN IMP DOWNSVIEW LANDS EXTERNAL CW UPGRADES WATERFRONT SANITARY MASTER SERVICING PLAN-2016 SC DOWNSVIEW LANDS EXTERNAL CW UPGRADES-2016 SC CW Sub-total YARD & BUILDING RENOVATION YARD & BUILDING RENOVATION YARDS & BUILDING RENOVATION CW Sub-total DIST SEWER REHAB OPS YR2005 GROUP 1 SEWAGE PUMPING STATION CW UPGRADES-2016 SC Sub-total HIGHLAND CREEK TP YR2005 WAS THICKENING AND DEWATERING - CW ENG WAS THICKENING AND DEWATERING - CW Sub-total HUMBER TP YR2005 ODOUR CONTROL ENGINEERING-2016 CW SC Sub-total	BECT NO. Project Name Proj No. Sub-project Name Proj No. Sub-project Name SEWER ASSET PLANNING SEWER ASSET PLANNING SEWER ASSET PLANNING-2016 SC CW S3 Sub-total NEW SEWERS CW S2 WATERFRONT SANITARY MASTER SERVICING PLAN IMP DOWNSVIEW LANDS EXTERNAL UPGRADES WATERFRONT SANITARY MASTER CW S3 SERVICING PLAN-2016 SC CW S3 WATERFRONT SANITARY MASTER CW S3 SERVICING PLAN-2016 SC CW S3 WATERFRONT SANITARY MASTER CW S3 SERVICING PLAN-2016 SC CW S3 SUB-total UPGRADES-2016 SC CW S3 Sub-total YARD & BUILDING RENOVATION CW S4 Sub-total DIST SEWER REHAB OPS YR2005 GROUP 1 SEWAGE PUMPING STATION CW S2 UPGRADES -2016 SC Sub-total HIGHLAND CREEK TP YR2005 WAS THICKENING AND DEWATERING - CW S2 ENG WAS THICKENING AND DEWATERING - CW S3 ENG-2016 SC Sub-total HUMBER TP YR2005 ODOUR CONTROL ENGINEERING-2016 CW S3 SC Sub-total	Project Name	Project Name	Program Project Name Proj No. Sub-project Name Proj No. Sub-total 13,133 16,420	Project Name	Current and Future Year	Section Project Name Stat. Cat. 2016 2017 2018 2019 2020	Current and Future Year Cash Flow Commitme Current Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-project Name Proj No. Sub-proj No. Sub-proj Name Proj No. Sub-proj Name Proj Name	Program Program Program Program Program Program Program Program Program Program Program Program Program Program Sub-project Name Ward Stat. 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CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

App	enai	x 4: 2016 Recommended Ca	isn r	IOW	anu	ruture	rear Co	ımınıtı	ients															
Was	tewat	ter Program																						
							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	iture Year	Cash Flo	w Comm	itments l	Financed	I Ву		
Sub- Prior		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverabl t	e Total Financing
WAS9	06743	ASHRIDGES BAY TP YR2005																						
0	1	MISC MECH ENGINEERING	CW	S2	03	905	275	850	0	0	2,030	0	2,030	0	C	163	0	1,867	0	(0	ı	0	2,030
0	4	M & T RETROFIT	CW	S2	03	409	0	0	0	0	409	0	409	0	C	0	0	409	0	(0 0	ı	0	409
0	7	SERVICE AIR UPGRADES	CW	S2	03	2,400	3,000	588	0	0	5,988	0	5,988	0	C	0	0	5,988	0	(0	J	0	5,988
0	56	M & T RETROFIT-2016 SC	CW	S3	03	-406	0	0	0	0	-406	0	-406	0	C	0	0	-406	0	(0	ı	0	-406
0	57	MISC MECH ENGINEERING-2016 SC	CW	S3	03	-545	330	-12	87	0	-140	0	-140	0	C	-11	0	-129	0	(0	ı	0	-140
0	58	SERVICE AIR UPGRADES-2016 SC	CW	S3	03	-845	1,350	909	150	0	1,564	0	1,564	0	C	0	0	1,564	0	(0	ı	0	1,564
		Sub-total				1,918	4,955	2,335	237	0	9,445	0	9,445	0	C	152	0	9,293	0	() ()	0	0 9,445
WAS9	<u>06755</u>	WESTERN BEACHES RETROFIT																						
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	4,100	1,000	0	0	0	5,100	0	5,100	0	C	410	0	4,690	0	(0)	0	5,100
0	13	WESTERN BEACHES RETROFIT-2016 SC	c cw	S3	03	-3,180	2,271	3,092	1,057	15	3,255	86	3,341	0	C	269	0	3,072	0	() 0)	0	3,341
		Sub-total				920	3,271	3,092	1,057	15	8,355	86	8,441	0	C	679	0	7,762	0	() ()	0	0 8,441
WAS9	06926	OPERATIONAL SUPPORT																						
0	6	FACILITY RENOVATION	CW	S2	04	1,431	0	0	0	0	1,431	0	1,431	0	C	0	0	1,431	0	(0)	0	1,431
0	23	EMP MONITORING NEEDS	CW	S2	04	50	50	0	0	0	100	0	100	0	C	0	0	100	0	(0	ı	0	100
0	40	WWTP PLC PLATFORM UPGRADE	CW	S2	04	3,180	5,774	5,780	5,393	25	20,152	25	20,177	0	C	0	0	20,177	0	(0	ı	0	20,177
0	98	DESIGNATED SUBSTANCE ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	C	0	0	100	0	(0	ı	0	100
0	100	DIVISIONAL SECURITY-2016 SC	CW	S3	04	925	1,025	0	0	0	1,950	0	1,950	0	C	0	0	1,950	0	(0	ı	0	1,950
0	101	FACILITY RENOVATION-2016 SC	CW	S3	04	69	1,000	1,000	0	0	2,069	0	2,069	0	C	0	0	2,069	0	(0 0	ı	0	2,069
0		PCS UPGRADES FOR WASTEWATER TREATMENT-2016 SC	CW	S3	04	-1,536	-1,771	-471	415	3,999	636	-1	635	0	C	0	0	635	0	(0 0	ı	0	635
0		NORTHLINE: BUILDING DEMO AND PAVING-2016 SC	CW	S2	01	300	0	0	0	0	300	0	300	0	C	0	0	300	0	(0	J	0	300
0		DESIGNATED SUBSTANCE ABATEMENT-2016 SC	CW	S3	02	0	100	100	0	0	200	0	200	0	C	0	0	200	0	(0	ı	0	200
		Sub-total				4,519	6,178	6,409	5,808	4,024	26,938	24	26,962	0	C	0	0	26,962	0) ()	0	0 26,962
WAS9	06958	SEWER SYSTEM REHABILITATION																						1
0	5	CCTV INSPECTION	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	C	0	0	1,200	0	() 0)	0	1,200
0	8	SPS SCADA UPGRADES - ENGINEERING	G CW	S2	04	713	12	0	0	0	725	0	725	0	C	58	0	667	0		0)	0	725

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

							Curre	nt and Fu	iture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	ture Year	Cash Flov	w Commi	tments F	inanced	Ву		
Sub Prio		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAS	906958	SEWER SYSTEM REHABILITATION																						
0	9	SEWER REHABILITATION	CW	S2	03	31,120	24,100	4,500	0	0	59,720	0	59,720	0	0	0	0	59,720	0	0	0	0	0	59,720
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	252	0	0	0	0	252	0	252	0	0	20	0	232	0	0	0	0	0	252
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	4,250	6,300	6,300	3,665	1,028	21,543	28	21,571	0	0	1,736	0	19,835	0	0	0	0	0	21,571
0	74	GROUPS 2, 3 & 4 SEWAGE PS UPGRADES-2016 SC	CW	S3	03	6	0	0	0	0	6	0	6	0	0	1	0	5	0	0	0	0	0	6
0	75	GROUP 5 SEWAGE PUMPING STATION UPGRADES-2016 SC	CW	S3	05	-1,637	-1,000	0	2,500	900	763	0	763	0	0	61	0	702	0	0	0	0	0	763
0	76	SEWAGE PUMPING STATION STANDBY POWER-2016 SC	CW	S3	02	-199	144	0	0	0	-55	0	-55	0	0	-5	0	-50	0	0	0	0	0	-55
0	77	SPS SCADA UPGRADES - ENGINEERING-2016 SC	CW	S3	04	0	175	0	0	0	175	0	175	0	0	14	0	161	0	0	0	0	0	175
0	78	SEWER REHABILITATION-2016 SC	CW	S3	03	4,518	-14,400	-919	0	0	-10,801	0	-10,801	0	0	0	0	-10,801	0	0	0	0	0	-10,801
0	79	SEWER REHABILITATION - CWD	CW	S4	03	20,250	29,500	15,250	0	0	65,000	0	65,000	0	0	5,158	0	59,842	0	0	0	0	0	65,000
0	80	CCTV INSPECTION-2016 SC	CW	S3	03	75	0	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	0	75
		Sub-total				60,548	44,831	25,131	6,165	1,928	138,603	28	138,631	0	0	7,043	0	131,588	0	0	0	0	0	138,631
WAS	906960	STREAM RESTORATION & EROSION CO	NTRC																				\exists	
0	7	STREAM RESTORATION	CW	S2	03	10,895	4,889	2,026	1,815	50	19,675	0	19,675	0	0	1,583	0	18,092	0	0	0	0	0	19,675
0	38	HIGHLAND CREEK STREAM RESTORATION-2016 SC	CW	S3	04	20	25	0	0	0	45	0	45	0	0	4	0	41	0	0	0	0	0	45
0	39	STREAM RESTORATION - PHASE 2	CW	S4	03	950	2,850	8,350	8,800	4,400	25,350	11,990	37,340	0	0	3,003	0	34,337	0	0	0	0	0	37,340
0	40	STREAM RESTORATION -2016 SC	CW	S3	03	-5,421	2,824	1,834	915	250	402	50	452	0	0	36	0	416	0	0	0	0	0	452
		Sub-total				6,444	10,588	12,210	11,530	4,700	45,472	12,040	57,512	0	0	4,626	0	52,886	0	0	0	0	0	57,512
WAS	906966	SWM TRCA FUNDING			İ																		\exists	
0	22	TORONTO WATER TRANSFER TO TRCA CAPITAL-2016 SC	cw.	S3	04	4,171	0	0	0	0	4,171	0	4,171	0	0	336	0	3,835	0	0	0	0	0	4,171
		Sub-total				4,171	0	0	0	0	4,171	0	4,171	0	0	336	0	3,835	0	0	0	0	0	4,171
WAS	906968	ENGINEERING																					\exists	
0	2	CONSULTING FEES	CW	S2	03	8,056	5,045	2,653	251	54	16,059	1,012	17,071	0	0	0	0	17,071	0	0	0	0	0	17,071
0	59	ROAD RESTORATION	CW	S2	03	1,249	0	0	0	0	1,249	0	1,249	0	0	0	0	1,249	0	0	0	0	0	1,249
0	61	CONSULTING FEES-2016 SC	CW	S3	03	-2,299	3,461	6,800	6,056	5,500	19,518	301	19,819	0	0	0	0	19,819	0	0	0	0	0	19,819
0	62	ECS SALARIES-2016 SC	CW	S3	03	13,081	0	0	0	0	13,081	0	13,081	0	0	0	0	13,081	0	0	0	0	0	13,081

Nov-02-2015 16:28:31

Page 10 of 19

Report 7Ca

Report Phase 2 - Program 11 Wastewater 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: 2016 Recommended Cash Flow and Future Year Commitments

							Curre	ent and Fu	iture Year	Cash Flor	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	nitments	Financed	Ву		
<u>Sub</u> Prio		i <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAS	906968	ENGINEERING																						
0	63	ROAD RESTORATION-2016 SC	CW	S3	03	20	1,838	0	0	0	1,858	0	1,858	0	0	0	0	1,858	C)	0 0	0	0	1,858
		Sub-total				20,107	10,344	9,453	6,307	5,554	51,765	1,313	53,078	0	0	0	0	53,078	C)	0 0	0	0	53,078
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	24	SEWAGE FORCEMAIN REPLACEMENT	CW	S2	03	1,505	5	0	0	0	1,510	0	1,510	0	0	0	0	1,510	C)	0 0	0	0	1,510
0	25	SEWER REPLACEMENT 2012	CW	S2	03	1,279	0	0	0	0	1,279	0	1,279	0	0	0	0	1,279	()	0 0	0	0	1,279
0	35	SEWER REPLACMENT - 2013 PROGRAM	M CW	S2	03	517	0	0	0	0	517	0	517	0	0	42	0	475	()	0	0	0	517
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	2,104	0	0	0	0	2,104	0	2,104	0	0	0	0	2,104	C)	0	0	0	2,104
0	44	COXWELL EMERGENCY TRUNK REPAIR	R CW	S2	03	54	0	0	0	0	54	0	54	0	0	0	0	54	C)	0	0	0	54
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	57	1,900	1,900	1,786	0	5,643	0	5,643	0	0	0	0	5,643	C)	0	0	0	5,643
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	7,331	5,491	0	0	0	12,822	0	12,822	0	0	1,032	0	11,790	()	0	0	0	12,822
0	70	FORCEMAIN REPLACEMENT-2016 SC	CW	S3	03	-1,500	0	0	0	0	-1,500	0	-1,500	0	0	0	0	-1,500	()	0	0	0	-1,500
0	71	SEWER REPLC - 2016 PROGRAM	CW	S4	03	7,447	9,083	4,610	0	0	21,140	0	21,140	0	0	1,702	0	19,438	C)	0	0	0	21,140
0	72	COXWELL EMERGENCY TRUNK REPAIR-2016 SC	CW	S3	03	149	0	0	0	0	149	0	149	0	0	0	0	149	C)	0 0	0	0	149
0	73	SEWER REPLC - 2014 PROGRAM-2016 SC	CW	S3	03	-1,898	607	0	0	0	-1,291	0	-1,291	0	0	0	0	-1,291	()	0	0	0	-1,291
0	74	SEWER REPLC - 2015 PROGRAM-2016 SC	CW	S3	03	2,554	-3,981	182	0	0	-1,245	0	-1,245	0	0	-99	0	-1,146	()	0	0	0	-1,245
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S4	03	2,100	3,100	10,000	9,900	50	25,150	50	25,200	0	0	0	0	25,200	()	0	0	0	25,200
0	76	2012 SEWER REPLC-2016 SC	CW	S3	03	-1,278	415	0	0	0	-863	0	-863	0	0	0	0	-863	C)	0	0	0	-863
0	77	2013 SEWER REPLC-2016 SC	CW	S3	03	-504	0	0	0	0	-504	0	-504	0	0	-41	0	-463	()	0	0	0	-504
		Sub-total				19,917	16,620	16,692	11,686	50	64,965	50	65,015	0	0	2,636	0	62,379	C)	0 0	0	0	65,015
WAS	906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	510	1,049	0	0	0	1,559	0	1,559	0	0	125	0	1,434	()	0	0	0	1,559
0	40	DEWATERING EQUIPMENT UPGRADES-2016 SC	CW	S3	03	-213	199	0	0	0	-14	0	-14	0	0	-1	0	-13	C)	0 0	0	0	-14
		Sub-total				297	1,248	0	0	0	1,545	0	1,545	0	0	124	0	1,421	()	0 0	0	0	1,545
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,110	950	675	727	883	5,345	85	5,430	0	0	0	0	5,430	C)	0 0	0	0	5,430

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

						ſ		Curre	ent and Fu	iture Year	Cash Flov	v Commitn	nents	Ī		Cur	rent and F	uture Year C	ash Flo	w Comm	itments!	Financed	Bv		
						-		- Curr	Jin unu i c	ituro roui	000111101					- Oui	Tent and I	uture rear c	20311110		- Innenta i	manced	Debt -	一	
Sub	<u>Pro</u>	ject No.	Project Name									Total	Total	Total	Provincial Grants and	Federal I	Development	Reserves	eserve	Capital from			Recovera	ble	Total
				Ward	Stat.	Cat.	2016	2017	2018	2019	2020	2016-2020	2021-2025	2016-2025	Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt	+F	inancing
WAS	906981	HIGHLAN	D CREEK WWTP UPGRADES																						
0	3	BIOSOLIE	OS TREATMENT UPGRADES	CW	S2	03	18,390	6,095	120	120	70	24,795	0	24,795	0	0	2,006	0	22,789	0	0 0	0	0	0	24,795
0	5	TRANSFO	DRMERS AND SWITCHGEAR	CW	S2	05	500	500	500	2,000	8,000	11,500	6,000	17,500	0	0	1,408	0	16,092	0	0	0	0	0	17,500
0	7	MECH & E	ELECTRICAL UPGRADE RING	CW	S2	03	1,578	45	0	0	0	1,623	0	1,623	0	0	0	0	1,623	0	0 0	0	0	0	1,623
0	8	DIGESTE	R GAS SYSTEM UPGRADES	CW	S2	03	4,661	4,600	10	0	0	9,271	0	9,271	0	0	0	0	9,271	0) 0	0	0	0	9,271
0	16	MECH SY	STEM UPGRADES - CONSTR	cw	S2	03	762	0	0	0	0	762	0	762	0	0	0	0	762	0) 0	0	0	0	762
0	23	ELECTRIC	CAL UPGRADES - ECAR	CW	S2	03	3,599	590	2,720	4,800	0	11,709	0	11,709	0	0	0	0	11,709	0) 0	0	0	0	11,709
0	31	ELEC SYS	STEM UPGRADES - CONSTR	CW	S2	03	1,383	0	0	0	0	1,383	0	1,383	0	0	0	0	1,383	0	0 0	0	0	0	1,383
0	32	CEPA CO	MPLIANCE - CL NOTICE - HCTP	CW	S2	02	450	2,000	0	0	0	2,450	0	2,450	0	0	0	0	2,450	0	0	0	0	0	2,450
0	80		R CLEANING, REHAB AND MENTS #4-7	CW	S2	03	1,500	1,300	0	0	0	2,800	0	2,800	o	0	0	0	2,800	0	0 0	0	0	0	2,800
0	83	PLANT FI DESIGN	RM CAPACITY - CONCEPT	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0 0	0	0	0	25
0	90	PROCESS FOR RCM	S IMPROVEMENTS (ROADMAP I)	CW	S2	03	150	50	0	0	0	200	0	200	0	0	0	0	200	0) 0	0	0	0	200
0	91	PROCESS UPGRADI	S, EQUIPMENT, FACILITY ES	CW	S2	03	735	125	0	0	0	860	0	860	0	0	0	0	860	0	0	0	0	0	860
0	92	LIQUID TI	RAIN REPAIRS - PHASE 1	CW	S2	03	2,650	4,150	3,600	1,400	0	11,800	0	11,800	0	0	0	0	11,800	0	0	0	0	0	11,800
0	101		N SYSTEM AND ASSOCIATED GUPGRADES	CW	S4	04	100	10,000	12,000	12,000	10,900	45,000	10,000	55,000	0	0	0	0	55,000	0) 0	0	0	0	55,000
0	102	LIQUID TE	RAIN - ENGINEERING	CW	S2	03	4,100	5,500	6,500	8,600	3,700	28,400	11,780	40,180	0	0	0	0	40,180	0) 0	0	0	0	40,180
0	106	PROCESS	S & FACILITY UPGRADE-2016 SO	C CW	S3	04	-462	962	45	-112	-35	398	590	988	0	0	0	0	988	0	0	0	0	0	988
0	107		ELECTRICAL UPGRADE RING-2016 SC	CW	S3	03	-1,386	567	0	0	0	-819	0	-819	0	0	0	0	-819	0	0	0	0	0	-819
0	110	MECH SY CONSTR-	STEM UPGRADES - 2016 SC	CW	S3	03	-762	0	0	0	0	-762	0	-762	0	0	0	0	-762	0	0	0	0	0	-762
0	111	ELEC SYS	STEM UPGRADES - 2016 SC	CW	S3	03	-1,375	390	0	0	0	-985	0	-985	0	0	0	0	-985	0) C	0	0	0	-985
0	112		R CLEANING, MPROVEMENTS #4-7-2016 SC	CW	S3	03	-1,363	-1,050	124	81	85	-2,123	0	-2,123	0	0	0	0	-2,123	0) C	0	0	0	-2,123
0	113		S IMPROVEMENTS (ROADMAP I)-2016 SC	CW	S3	03	-100	150	0	0	0	50	0	50	0	0	0	0	50	0	0 0	0	0	0	50
0	114		S, EQUIPMENT, FACILITY ES-2016 SC	CW	S3	03	-560	1,115	0	0	0	555	0	555	0	0	0	0	555	0) 0	0	0	0	555
0	115	PLANT FI DESIGN-2	RM CAPACITY - CONCEPT 2016 SC	CW	S3	03	-25	0	0	0	0	-25	0	-25	0	0	0	0	-25	0) 0	0	0	0	-25
0	116	CEPA CO HCTP-201	MPLIANCE - CL NOTICE - 16 SC	CW	S3	02	-425	-1,025	1,500	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

					Ì		Curre	ent and Fu	iture Year	Cash Flov	w Commitm	nents			Cur	rent and Fu	iture Year	Cash Flov	w Comm	itments F	inanced	Ву		
Sub-		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal (Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt - Recovera	- 1	Total Financing
		HIGHLAND CREEK WWTP UPGRADES												Cubsidies										
0	117	LIQUID TRAIN REPAIRS - PHASE 1-2016 SC	CW	S3	03	-610	-110	1,056	0	0	336	0	336	0	0	0	0	336	0	0	0	0	0	336
0	118	BIOSOLIDS TREATMENT UPGRADES -2016 SC	CW	S3	03	-7,938	5,865	0	0	0	-2,073	0	-2,073	0	0	-166	0	-1,907	0	0	0	0	0	-2,073
0	119	DIGESTER GAS SYSTEM UPGRADES-2016 SC	CW	S3	03	0	-48	2,515	1,300	0	3,767	0	3,767	0	0	0	0	3,767	0	0	0	0	0	3,767
0	120	TRANSFORMERS AND SWITCHGEAR-2016 SC	CW	S3	05	0	0	0	-2,000	-8,000	-10,000	-6,000	-16,000	0	0	-1,288	0	-14,712	0	0	0	0	0	-16,000
0	121	ELECTRICAL UPGRADES - ECAR-2016 SC	CW	S3	03	-2,358	527	-2,070	2,430	1,210	-261	0	-261	0	0	0	0	-261	0	0	0	0	0	-261
0	122	LIQUID TRAIN - ENGINEERING-2016 SC	CW	S3	03	2	500	0	0	0	502	10,000	10,502	0	0	0	0	10,502	0	0	0	0	0	10,502
0	123	COMMUNICATION SYSTEM	CW	S4	04	200	300	650	1,900	400	3,450	50	3,500	0	0	0	0	3,500	0	0	0	0	0	3,500
		Sub-total				25,531	44,048	29,945	33,246	17,213	149,983	32,505	182,488	0	0	1,960	0	180,528	0	0	0	0	0	182,488
WAS	906982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	1,732	34	0	0	0	1,766	0	1,766	0	0	0	0	1,766	0	0	0	0	0	1,766
0	5	FLOOD PROTECTION	CW	S3	02	300	0	0	0	0	300	0	300	o	0	0	0	300	0	0	0	0	0	300
0	6	NEW SUBSTATION	CW	S2	03	793	3	0	0	0	796	0	796	0	0	0	0	796	0	0	0	0	0	796
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	1,168	4,943	2,900	1,000	0	10,011	0	10,011	0	0	0	0	10,011	0	0	0	0	0	10,011
0	8	NEW GROUNDSKEEPING BUILDING	CW	S2	01	227	0	0	0	0	227	0	227	0	0	0	0	227	0	0	0	0	0	227
0	29	ADMIN BUILDING EXPANSION	CW	S2	04	250	300	100	260	260	1,170	50	1,220	0	0	0	0	1,220	0	0	0	0	0	1,220
0	52	HVAC UPGRADES	CW	S2	03	4,684	3,357	18	3	0	8,062	0	8,062	0	0	0	0	8,062	0	0	0	0	0	8,062
0	75	HYDRAULIC ASSESSMENT	CW	S2	03	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	81	BLOWER REPLACEMENT	CW	S4	03	250	250	0	100	200	800	18,100	18,900	o	0	0	0	18,900	0	0	0	0	0	18,900
0	86	BUILDING UPGRADES ENGINEERING	CW	S2	03	60	10	0	0	0	70	0	70	0	0	0	0	70	0	0	0	0	0	70
0	90	ELEC CONDITION ASSESSMENT RECOMMENDATIONS-2016 SC	CW	S3	01	-318	-2,574	-700	100	23	-3,469	23	-3,446	0	0	0	0	-3,446	0	0	0	0	0	-3,446
0	91	ADMIN BUILDING EXPANSION - ENGINEERING-2016 SC	CW	S3	04	50	100	310	-100	-235	125	-25	100	0	0	0	0	100	0	0	0	0	0	100
0	92	BUILDING UPGRADES ENGINEERING-2016 SC	CW	S3	03	-51	-10	0	0	0	-61	0	-61	o	0	0	0	-61	0	0	0	0	0	-61
0	93	NEW GROUNDSKEEPING BUILDING-2016 SC	cw	S3	01	-227	0	0	0	0	-227	0	-227	o	0	0	0	-227	0	0	0	0	0	-227
0	94	CHLORINE FACILITY UPGRADE-2016 SC	CW	S3	01	-793	356	0	0	0	-437	0	-437	0	0	0	0	-437	0	0	0	0	0	-437

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

							Curre	ent and Fu	iture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	iture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub Prio		i <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal [Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera		Total Financing
		HUMBER WWTP UPGRADES	Wara	Olul.	- Out.						2010 2020		20.0 2020	Subsidies									\dashv	· maneing
0		REPLACEMENT OF WASTE GAS BURNERS	CW	S4	03	6,200	2,700	400	0	0	9,300	0	9,300	0	0	0	0	9,300	0	0	0	0	0	9,300
0	96	HYDRAULIC ASSESSMENT-2016 SC	CW	S3	03	-200	0	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	97	NEW SUBSTATION-2016 SC	CW	S3	03	0	39	5	0	0	44	0	44	0	0	0	0	44	0	0	0	0	0	44
0	98	HVAC UPGRADES-2016 SC	CW	S3	03	-3,740	3,458	649	14	0	381	0	381	0	0	0	0	381	0	0	0	0	0	381
0	99	WET WEATHER FLOW	CW	S4	04	400	2,000	1,450	1,000	0	4,850	0	4,850	0	0	0	0	4,850	0	0	0	0	0	4,850
0	100	FIELD OFFICE	CW	S4	03	375	0	0	0	0	375	0	375	0	0	0	0	375	0	0	0	0	0	375
		Sub-total				11,360	14,966	5,132	2,377	248	34,083	18,148	52,231	0	0	0	0	52,231	0	0	0	0	0	52,231
WAS	906994	HIGHLAND CREEK WWTP - SOLIDS & G	SAS HA																					
0	1	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	CW	S2	04	3,100	4,050	1,500	3,000	2,000	13,650	2,500	16,150	0	0	1,299	0	14,851	0	0	0	0	0	16,150
0	3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	2,245	0	0	0	0	2,245	0	2,245	0	0	181	0	2,064	0	0	0	0	0	2,245
0	15	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2016 SC	CW	S3	04	-2,975	-1,040	2,840	-1,400	-1,345	-3,920	0	-3,920	0	0	-315	0	-3,605	0	0	0	0	0	-3,920
0	16	WAS THICKENING - CONSTR-2016 SC	CW	S3	03	-1,245	771	0	0	0	-474	0	-474	0	0	-38	0	-436	0	0	0	0	0	-474
		Sub-total				1,125	3,781	4,340	1,600	655	11,501	2,500	14,001	0	0	1,127	0	12,874	0	0	0	0	0	14,001
WAS	907038	Land Acquisition for Source Water Protect																					İ	
0	14	TRCA - SCARBOROUGH WATERFRONT TRAIL EA	CW	S2	04	1,605	0	0	0	0	1,605	0	1,605	0	0	129	0	1,476	0	0	0	0	0	1,605
0	19	TRCA - CRITICAL EROSION SITES-2016 SC	CW	S3	04	7,000	0	0	0	0	7,000	0	7,000	0	0	563	0	6,437	0	0	0	0	0	7,000
0	20	TRCA - SCARBOROUGH WATERFRONT TRAIL EA-2016 SC	CW	S3	04	0	85	0	0	0	85	0	85	0	0	7	0	78	0	0	0	0	0	85
		Sub-total				8,605	85	0	0	0	8,690	0	8,690	0	0	699	0	7,991	0	0	0	0	0	8,690
WAS	907097	ASHBRIDGES BAY WWTP - BUILDING S	SERVIC																				1	
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	19	CITY IMPROVEMENTS RE: TH COGEN	CW	S2	04	900	1,300	2,000	50	50	4,300	0	4,300	0	0	0	0	4,300	0	0	0	0	0	4,300
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	CW	S2	04	1,760	1,950	1,095	10	0	4,815	0	4,815	0	0	0	0	4,815	0	0	0	0	0	4,815
0	58	CONTROLLED SUBS IDENTIFICATION&ABATEMENT-2016 SC		S3	02	0	100	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	59	CITY IMPROVEMENTS RE: TH COGEN-2016 SC	CW	S3	04	-750	-400	-700	1,950	0	100	50	150	0	0	0	0	150	0	0	0	0	0	150

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

					,																	_		
						ļ .	Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Year	Cash FI	ow Comm	nitments	Financed			
Sub- Prior		iect No. Project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Oebt - overable	Total Financing
WASS	07097	ASHBRIDGES BAY WWTP - BUILDING SE	RVIC																					
0	60	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2016 SC	CW	S3	04	-1,110	-1,550	855	2,445	30	670	30	700	C) 0	0	0	700) () (0	0	0	700
		Sub-total				900	1,400	3,250	4,455	80	10,085	80	10,165	0	0	0	0	10,16	5 () () 0	0	0	10,165
WAS9	07098	ASHBRIDGES BAY WWTP - EFFLUENT S	YSTE																					
0	1	DISINFECTION ENGINEERING	CW	S2	02	3,710	5,339	2,000	950	167	12,166	123	12,289	С	0 0	989	0	11,300) () (0	0	0	12,289
0	13	ABTP OUTFALL ASSESSMENT	CW	S2	02	1,020	0	0	0	0	1,020	0	1,020	С) 0	82	0	938	3 () (0	0	0	1,020
0	14	OUTFALL ENGINEERING	CW	S2	02	7,000	7,000	1,400	5,000	4,000	24,400	8,800	33,200	C	0	2,671	0	30,529) () (0	0	0	33,200
0	23	OUTFALL ENGINEERING-2016 SC	CW	S3	02	-1,000	0	3,100	0	1,000	3,100	3,129	6,229	С) 0	501	0	5,728	3 () (0	0	0	6,229
0	25	OUTFALL ASSESSMENT-2016 SC	CW	S3	02	-1,010	940	0	0	0	-70	0	-70	C	0	13	0	-83	3 () (0	0	0	-70
0	27	DISINFECTION ENGINEERING-2016 SC	CW	S3	02	-2,210	-1,839	4,200	10	0	161	0	161	С				148					0	161
		Sub-total				7,510	11,440	10,700	5,960	5,167	40,777	12,052	52,829	0	0	4,269	0	48,560) () () 0	0	0	52,829
WAS9	07099	ASHBRIDGES BAY WWTP - LIQUID TREA	TMEN																					
0	1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	2,370	0	0	0	0	2,370	0	2,370	С) 0	192	0	2,178	3 () (0	0	0	2,370
0	3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	27,000	25,000	15,131	0	0	67,131	0	67,131	C) 0	5,403	0	61,728	3 () (0	0	0	67,131
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,670	0	0	0	0	5,670	0	5,670	С) 0	0	0	5,670) () (0	0	0	5,670
0	7	PRIMARY AND FINAL TANK UPGRADES	CW	S2	03	595	0	0	0	0	595	0	595	С) 0	48	0	547	7 () (0	0	0	595
0	10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	10,117	8,437	10,000	6,000	6,000	40,554	14,000	54,554	C	0	0	0	54,554	1 () (0	0	0	54,554
0	12	WORK AREA 1 REHAB	CW	S2	03	2	0	0	0	0	2	0	2	С	0	0	0	2	2 () (0	0	0	2
0	39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	CW	S2	03	1,000	25,000	45,000	45,000	50,000	166,000	159,000	325,000	c) 0	0	0	325,000) () (0	0	0	325,000
0	64	INTEGRATED PUMPING STATION (IPS) - CONS-2016 SC	CW	S3	03	-1,000	-25,000	-35,000	0	-5,000	-66,000	66,000	0	C	0	0	0	() () (0	0	0	0
0	65	INTEGRATED PUMPING STATION (IPS) - ENG-2016 SC	CW	S3	03	-4,712	-2,476	-2,000	2,000	2,000	-5,188	5,750	562	C	0	0	0	562	2 () (0	0	0	562
0	66	M & T PUMPING STATION CRITICAL REPAIRS-2016 SC	CW	S3	03	-2,521	2,250	0	0	0	-271	0	-271	С) 0	0	0	-27	I () (0	0	0	-271
0	67	Primary and Final Tank Upgrades-2016 SC	CW	S3	03	106	0	0	0	0	106	0	106	С) 0	9	0	97	7 () (0	0	0	106
0	68	FINE BUBBLE AERATION - TANK #2-2016 SC	CW	S3	03	-259	500	0	0	0	241	0	241	C) 0	20	0	22	I () (0	0	0	241
0	69	P BLDG HEADWORKS UPGRADE-2016 SC	CW	S3	03	8,605	10	-8,303	0	0	312	0	312	C) 0	26	0	286	6 () (0	0	0	312

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

Priority	Project No. Project Name					Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents	l		Cur	rent and Fu	ture Year	Cash F	low Comm	nitments	Financed	Ву		
Priority	Project No. Project Name				- 1																		
	SubProj No. Sub-project Name	Ward :	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal (Development Charges	Reserves	Reserve Funds	Capital e from Current	Other 1	Other2	Deb Recove Debt		Total Financing
WAS9070	099 ASHBRIDGES BAY WWTP - LIQUID TREA	1 <u>AMT</u>																					
0 70	WORK AREA 1 REHAB-2016 SC	CW	S3	03	4	3	0	0	0	7	0	7	0	0	0	0		7 () (0	0	0	7
	Sub-total				46,977	33,724	24,828	53,000	53,000	211,529	244,750	456,279	0	0	5,698	0	450,58	31 () (0	0	0	456,279
WAS9071	100 ASHBRIDGES BAY WWTP - SOLIDS & GA	S HA																					
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	2,863	4,596	2,000	2,000	2,000	13,459	2,100	15,559	0	0	1,252	0	14,30)7 () (0	0	0	15,559
0 4	DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	600	11,950	10,700	4,710	4,710	32,670	1,050	33,720	o	0	2,713	0	31,00)7 () (0	0	0	33,720
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	О	0	0	0	40	00 () (0	0	0	400
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	725	500	500	0	0	1,725	0	1,725	О	0	0	0	1,72	25 () (0	0	0	1,725
0 40	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2016 SC	CW	S3	03	-625	467	0	1,000	0	842	0	842	o	0	0	0	84	12 () (0	0	o	842
0 41	BIOSOLIDS PELLETIZER RETROFIT-2016 SC	6 CW	S3	03	0	400	0	0	0	400	0	400	0	0	0	0	40	00 () (0	0	0	400
0 43	WASTE ACTIVATED SLUDGE UPGRADE - ENG-2016 SC	CW	S3	03	37	-1,096	1,092	0	0	33	-498	-465	0	0	-38	0	-42	27 () (0	0	0	-465
0 44	DIGESTERS 9-12 REFURBISH-2016 SC	CW	S3	03	2,400	-2,300	1,176	7,000	-4,000	4,276	-100	4,176	0	0	335	0	3,84	11 () (0	0	0	4,176
	Sub-total				6,400	14,517	15,468	14,710	2,710	53,805	2,552	56,357	0	0	4,262	0	52,09	95 () (0	0	0	56,357
WAS9071	101 ASHBRIDGES BAY WWTP - O&M UPGRA	DES																					
0 5	BOILER #4 DESIGN	CW	S2	03	57	0	0	0	0	57	0	57	0	0	0	0	5	57 () (0	0	0	57
0 6	MESI UPGRADES	CW	S2	03	3,100	2,500	0	0	0	5,600	0	5,600	o	0	0	0	5,60	00 () (0	0	0	5,600
0 7	MISC MECH REHAB	CW	S2	03	8,401	3,000	0	0	0	11,401	0	11,401	O	0	0	0	11,40)1 () (0	0	0	11,401
0 29	MISC MECH REHAB-2016 SC	CW	S3	03	-1,901	3,500	1,900	0	0	3,499	0	3,499	0	0	0	0	3,49	99 () (0	0	0	3,499
0 30	MESI UPGRADES-2016 SC	CW	S3	03	-202	485	3,074	3,167	0	6,524	0	6,524	О	0	0	0	6,52	24 () (0	0	0	6,524
0 31	BOILER #4 DESIGN-2016 SC	CW	S3	03	-37	47	6	0	0	16	0	16	О	0	0	0	1	6 () (0	0	0	16
	Sub-total				9,418	9,532	4,980	3,167	0	27,097	0	27,097	0	0	0	0	27,09	97 () (0	0	0	27,097
WAS9071	102 ASHBRIDGES BAY WWTP - ODOUR CON	TROL																					
0 6	BIOFILTERS UPGRADE	CW	S2	03	11,542	8,400	122	0	0	20,064	0	20,064	0	0	1,615	0	18,44	19 () (0	0	0	20,064
0 13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	1,145	0	0	0	0	1,145	0	1,145	0	0	92	0	1,05	53 () (0	0	0	1,145
0 36	BIOFILTERS UPGRADE & REPLACEMENT-2016 SC	CW	S3	03	-2,478	-1,060	0	0	0	-3,538	0	-3,538	0	0	-285	0	-3,25	53 () (0	0	0	-3,538

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

				ĺ		Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	iture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub- P	roject No. Project Name									Total	Total	Total	Provincial			•	Dags = :-	Capital			De		
	ubProj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020		2021-2025		Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recov Debt	erable	Total Financing
	02 ASHBRIDGES BAY WWTP - ODOUR C	ONTROL																					
0 37	D BUILDING TREATMENT & BIOFILTER-2016 SC	CW	S3	03	-1,045	894	0	0	0	-151	0	-151	o	0	-12	0	-139	0	0	0	0	0	-151
	Sub-total				9,164	8,234	122	0	0	17,520	0	17,520	0	0	1,410	0	16,110	0	0	0	0	0	17,520
WAS9071	04 HUMBER WWTP - LIQUID TREATMEN	T & HANI																					
0 2	SECONDARY TREATMENT UPGRADES	s cw	S2	03	6,134	4,025	3,600	3,582	2,000	19,341	1,875	21,216	0	0	1,708	0	19,508	0	0	0	0	0	21,216
0 19	SECONDARY TREATMENT UPGRADES SOUTH - CONS	S- CW	S2	03	20,000	45,000	45,000	45,000	45,000	200,000	39,800	239,800	o	0	19,306	0	220,494	0	0	0	0	0	239,800
0 22	SECONDARY TREATMENT UPGRADES SOUTH CONS-2016 SC	S CW	S3	03	-15,000	0	0	0	0	-15,000	5,200	-9,800	0	0	-788	0	-9,012	0	0	0	0	0	-9,800
0 23	SECONDARY TREATMENT UPGRADES SOUTH - ENG-2016 SC	S- CW	S3	03	-1,551	-742	-250	-250	1,250	-1,543	862	-681	0	0	-54	0	-627	0	0	0	0	0	-681
	Sub-total				9,583	48,283	48,350	48,332	48,250	202,798	47,737	250,535	0	0	20,172	0	230,363	0	0	0	0	0	250,535
WAS9071	05 HUMBER WWTP - O&M UPGRADES																						
0 1	GAS COMPRESSOR SYSTEM UPGRAI	DES CW	S2	03	7,184	4,850	0	0	0	12,034	0	12,034	o	0	0	0	12,034	0	0	0	0	0	12,034
0 29	GAS COMPRESSOR SYSTEM UPGRADES-2016 SC	CW	S3	03	779	-1,846	0	0	0	-1,067	0	-1,067	o	0	0	0	-1,067	0	0	0	0	0	-1,067
0 30	LIQUID STREAM UPGRADES-2016 SC	cw cw	S3	03	50	316	0	0	0	366	0	366	o	0	29	0	337	0	0	0	0	0	366
	Sub-total				8,013	3,320	0	0	0	11,333	0	11,333	0	0	29	0	11,304	0	0	0	0	0	11,333
WAS9071	06 HUMBER WWTP - ODOUR CONTROL																						
0 1	ODOUR CONTROL IMPLEMENTATION PHASE 1	I- CW	S2	02	13,508	3,385	0	0	0	16,893	0	16,893	0	0	1,359	0	15,534	0	0	0	0	0	16,893
0 12	ODOUR CONTROL IMPLEMENTATION PHASE 1 - 2016 SC	I- CW	S3	02	-1,758	0	0	0	0	-1,758	0	-1,758	О	0	-141	0	-1,617	0	0	0	0	0	-1,758
	Sub-total				11,750	3,385	0	0	0	15,135	0	15,135	0	0	1,218	0	13,917	0	0	0	0	0	15,135
WAS9072	24 SEWAGE PUMPING STATION UPGRAD	DES																					
0 1	SPS UPGRADES	CW	S2	02	3,729	0	0	0	0	3,729	0	3,729	0	0	300	0	3,429	0	0	0	0	0	3,729
0 2	SCOTT STREET PS UPGRADES	CW	S2	05	64	0	0	0	0	64	0	64	o	0	5	0	59	0	0	0	0	0	64
0 4	SUNNYSIDE AND MARYPORT SPS UPGRADES	CW	S2	03	1,479	3	0	0	0	1,482	0	1,482	O	0	0	0	1,482	0	0	0	0	0	1,482
0 18	SPS UPGRADES - GROUP 6 & 7	CW	S4	02	190	540	3,250	6,300	5,300	15,580	7,400	22,980	o	0	1,850	0	21,130	0	0	0	0	0	22,980
0 25	SUNNYSIDE SPS REHAB-2016 SC	CW	S3	03	0	-3	0	0	0	-3	0	-3	О	0	0	0	-3	0	0	0	0	0	-3
0 27	SCOTT ST PS -2016 SC	CW	S3	05	-62	0	0	0	0	-62	0	-62	О	0	-5	0	-57	0	0	0	0	0	-62

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

		ter i rogram																						
							Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cu	rrent and Fu	ıture Yeaı	Cash Flo	w Commitm	ents F	inanced B	у		
Sub Prio		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current Of	ther 1	Other2	Debt - Recovera Debt		Total Financing
WAS	907224	SEWAGE PUMPING STATION UPGRADE	<u>ES</u>																					
0	28	SPS UPGRADES-2016 SC	CW	S3	02	-449	708	0	0	0	259	0	259	0	(21	0	238	0	0	0	0	0	259
		Sub-total			Ī	4,951	1,248	3,250	6,300	5,300	21,049	7,400	28,449	0	(2,171	0	26,278	0	0	0	0	0	28,449
WAS	907559	DON & WATERFRONT TRUNK CSO			Ì																		1	
0	1	DON & WATERFRONT TRUNK/CSO PKG - DESIGN	31 CW	S2	04	12,601	4,000	5,546	5,180	5,180	32,507	16,667	49,174	0	(3,958	0	45,216	0	0	0	0	0	49,174
0	13	Don&Waterfront Trunk/CSO Design PH1-2016 SC	CW	S3	04	-2,915	3,095	-208	0	0	-28	-51	-79	0	() -7	0	-72	0	0	0	0	0	-79
		Sub-total				9,686	7,095	5,338	5,180	5,180	32,479	16,616	49,095	0	(3,951	0	45,144	0	0	0	0	0	49,095
WAS	907700	NORTH TORONTO WTP UPGRADES			Ī																			*
0	2	NTTP-ELECTRICAL UPGRADES	CW	S2	01	752	500	250	0	0	1,502	0	1,502	0	(0	0	1,502	0	0	0	0	0	1,502
0	9	NTTP - ELECTRICAL UPGRADES - ECAR-2016 SC	CW	S3	01	-545	705	2,045	1,100	0	3,305	0	3,305	0	(0	0	3,305	0	0	0	0	0	3,305
		Sub-total				207	1,205	2,295	1,100	0	4,807	0	4,807	0	(0	0	4,807	0	0	0	0	0	4,807
WAS	908143	Georgetown South City Infrastructure Upg	rades		Ī																			
0	6	GEORGETOWN SOUTH CITY INFRA UPGRADES - FUTURE	CW	S4	05	5,680	5,680	5,680	5,680	0	22,720	0	22,720	0	(0	0	22,720	0	0	0	0	0	22,720
		Sub-total				5,680	5,680	5,680	5,680	0	22,720	0	22,720	0	(0 0	0	22,720	0	0	0	0	0	22,720
WAS	WP003	EMERY CREEK POND			Ī																			
0	1	EMERY CREEK POND	CW	S2	04	4,910	0	0	0	0	4,910	0	4,910	0	(395	0	4,515	0	0	0	0	0	4,910
0	14	EMERY CREEK POND-2016 SC	CW	S3	04	6,307	5,793	50	0	0	12,150	0	12,150	0	(978	0	11,172	0	0	0	0	0	12,150
		Sub-total			Ì	11,217	5,793	50	0	0	17,060	0	17,060	0	(1,373	0	15,687	0	0	0	0	0	17,060
WAS	WP050	EQUIPMENT REPLACEMENT & REHABI	LITATIC		İ																			
0	35	MTI REAL TIME CONTROL	CW	S2	04	0	2,000	2,000	0	0	4,000	0	4,000	0	(0	0	4,000	0	0	0	0	0	4,000
1	78	North Primaries Pumping Equipment	CW	S2	03	4,670	3,220	1,890	20	30	9,830	0	9,830	0	(0	0	9,830	0	0	0	0	0	9,830
0	117	REHAB OF SOUTH PRIMARY CLARIFIER	RS CW	S2	03	188	0	0	0	0	188	0	188	0	(0	0	188	0	0	0	0	0	188
0	129	EQUIPMENT REPLACEMENT-2016 SC	CW	S3	03	-3,900	2,360	2,668	3,632	-30	4,730	0	4,730	0	(0	0	4,730	0	0	0	0	0	4,730
0	130	REHAB OF SOUTH PRIMARY CLARIFIERS-2016 SC	CW	S3	03	-158	124	0	0	0	-34	0	-34	0	(0	0	-34	0	0	0	0	0	-34

Nov-02-2015 16:28:31

Page 18 of 19

Report 7Ca

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

CITY OF TORONTO

Gross Expenditures (\$000's)
Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

			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	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name	Ward Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverab Debt	e Total Financing
WASWP050 EQUIPMENT REPLACEMENT & REHAB	BILITATIC																		
0 131 MTI CHAMBER UPGRADES AND PCS-2016 SC	CW S3 04	118	-2,000	-2,000	0	0	-3,882	0	-3,882	o	(0	0	-3,882	0	(0	0	-3,882
Sub-total		918	5,704	4,558	3,652	0	14,832	0	14,832	0	(0	0	14,832	0) C	0	0 14,832
Total Program Expenditure		496,882	517,393	431,478	398,157	258,704	2,102,614	709,844	2,812,458	0	(107,714	0	2,704,744	0	() C	0	0 2,812,458

Nov-02-2015 16:28:31

Page 19 of 19

Report 7Ca

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

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Recommended Cash Flow and Future Year Commitments

Wastewater Program																				
		Current and Future Year Cash				h Flow Commitments and Estimates				Current and Future Year Cash Flow Commitments and Estimates Financed By										
Sub- Project No. Project Name Priority SubProj No. Sub-project Name	Ward Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges F	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverable t	Total Financing
Financed By: Development Charges		18,456	21,003	15,938	14,328	6,000	75,725	31,989	107,714	0	0	107,714	0	0	C)	0 0	0	0 0	107,714
Reserve Funds (Ind."XR" Ref.)		478,426	496,390	415,540	383,829	252,704	2,026,889	677,855	2,704,744	0	0	0	02,	,704,744)	0 0	0	0 0	2,704,744
Total Program Financing		496,882	517,393	431,478	398,157	258,704	2,102,614	709,844	2,812,458	0	0	107,714	02	,704,744)	0 0	0	0 0	2,812,458

Description S2

S2 Prior Year (With 2016 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2016 and\or Future Year Cost\Cashflow) S4

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

S5 New (On-going or Phased Projects)

Category Code Description

S5

04

01 Health and Safety C01

Legislated C02 03

State of Good Repair C03

Service Improvement and Enhancement C04

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

Appendix 5

2016 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: 2016 Recommended Capital Budget with Financing Detail **Water Program**

Sub-Project Summary

Project/F	inancing		2016	1				Financ	cing				
Priority F	Project Project Name	Start Date Compl Dat		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T000004 HORGAN W.T.P. EXPANSION												
0	5 PLANT EXPANSION - CONSTRUCTION	01/01/2008 12/31/2	016 472	0	0	151	0	170	0	0	151		0 0
0	18 SUPERNATANT AND FORCEMAIN INSTALLATION	01/01/2012 12/31/	016 4,500	0	0	1,438	0	3,062	0	0	0		0 0
0	35 PLANT EXPANSION - CONSTRUCTION-2016 SC	01/01/201612/31/	.016 -413	0	0	-131	0	-150	0	0	-132		0 0
0	36 SUPERNATANT & FORCEMAIN-2016 SC	01/01/201612/31/	-4,500	0	0	-1,438	0	-3,062	0	0	0		0 0
0	37 PLANT EXPANSION - DESIGN & CONSTR ADMIN - 2016	SC 01/01/2016 12/31/2	:016 50	0	0	16	0	18	0	0	16		0 0
		Project Sub-total	109	0	0	36	0	38	0	0	35		0 0
0 WA	000014 WATER STORAGE EXPANSION												
0	50 MILLIKEN PS & RESERVOIR-DESIGN&CONT ADMIN-20	16 S01/01/201612/31/	2016 130	0	0	52	0	31	0	0	47		0 0
0	51 DUFFERIN RES.EXT-DESIGN AND CONT. ADMIN - 2016			0	0	3	0	2	0	0	0		0 0
		Project Sub-total	135	0	0	55	0	33	0	0	47		0 0
0 WA	000018 CLARK RESIDUE MGMT. FACILITIES												
0	24 RESIDUALS RETROFITS & UPGRADES	01/01/201312/31/	2016 950	0	0	0	0	950	0	0	0		0 0
0	28 RESIDUALS RETROFITS AND UPGRADES-2016 SC	01/01/201612/31/	.018 -750	0	0	0	0	-750	0	0	0		0 0
		Project Sub-total	200	0	0	0	0	200	0	0	0		0 0
0 WA	000021 WATER EFFICIENCY PROGRAM	•											
0	10 ICI INDOOR WATER AUDIT	01/01/2005 12/31/	2017 300	0	0	300	0	0	0	0	0		0 0
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2005 12/31/3			0	150	0	0	0	0	0		0 0
0	12 ANCILLARY COSTS	01/01/2005 12/31/			0	70	0		0	0			0 0
		Project Sub-total	520	0	0	520	0	0	0	0			0 0
0 WA	1000340 ISLAND PLANT WINTERIZATION												
0	1 PLANT WINTERIZATION & SUMMERIZATION	01/01/2005 12/31/	2016 515	0	0	0	0	515	0	0	0		0 0
0	15 PLANT WINTERIZATION & SUMMERIZATION-2016 SC	01/01/201612/31/			0	0	0		0	0			0 0
		Project Sub-total	404	0	0	0	0	404	0	0	0		0 0
0 WA	1000363 ENGINEERING STUDIES	·											
0	2 IMPROVED TREATMENT STUDIES	01/01/2005 12/31/	207 207	0	0	0	0	207	0	0	0		0 0
0	18 CONTROLLED SUBSTANCES ID AND ABATEMENT	01/01/2007 12/31/3			0	0	0		0	0	0		0 0
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/2008 12/31/3			0	0	0		0	0	0		0 0
0	38 CORROSION CONTROL	01/01/2011 12/31/			0	25	0		0	0	0		0 0
0	64 IMPROVED TREATMENT STUDIES-2016 SC	01/01/2016 12/31/		0	0	0	0		0	0	110		0 0
0	65 SCRUBBER AND TONNER CONNECTION IMPROVEMEN				0	0	0		0	0	0		0 0
0	68 CONTROLLED SUBSTANCES ID AND ABATEMENT-2016	6 SC01/01/2016 12/31/	018 132	0	0	0	0	132	0	0	0		0 0
0	69 ENERGY EFFICIENCY IMPLEMENTATION-2016 SC	01/01/201612/31/		0	0	0	0	-95	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: 2016 Recommended Capital Budget with Financing Detail

Project	/Financing		11	2016					Financ					
riority	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> W	AT000363 ENGINEERING STUDIES													
0	71 CORROSION CONTROL-2016 SC	01/01/2016	12/31/2016	193	0	0	12	0	181	0	0	0		0
		Project Sub	-total:	1,269	0	0	37	0	1,122	0	0	110		0
0 W	AT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW													
0	7 NETWORK EQUIPMENT REPLACEMENT	01/01/2008	12/31/2016	38	0	0	0	0	38	0	0	0		0
0	8 NETWORK CABLE LIFECYCLE REPLACEMENT	01/01/2008	12/31/2018	1,834	0	0	0	0	1,834	0	0	0		0
0	9 TRUNK RADIO SYSTEM	01/01/2015	12/31/2021	200	0	0	0	0	200	0	0	0		0
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2011	12/31/2016	600	0	0	0	0	600	0	0	0		0
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/2013	12/31/2016	885	0	0	0	0	885	0	0	0		0
0	41 BUSINESS & TECH IMPROVEMENT - PHASE 2	01/01/2012	12/31/2024	3,493	0	0	0	0	3,493	0	0	0		0
0	42 PCS UPGRADES FOR WATER SUPPLY	01/01/2012	12/31/2017	1,284	0	0	0	0	1,284	0	0	0		0
0	67 SCADA UPGRADES FOR WWT - II	01/01/2012	12/31/2019	415	0	0	0	0	415	0	0	0		0
0	76 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-20	16 01/01/2016	12/31/2016	3	0	0	0	0	3	0	0	0		0
0	78 NETWORK CABLE LIFE CYCLE REPLACEMENT-2016 SC	01/01/2016	12/31/2018	-1,739	0	0	0	0	-1,739	0	0	0		0
0	79 RELIABILITY IMPROVEMENT PROGRAM-2016 SC	01/01/2016	12/31/2018	-305	0	0	0	0	-305	0	0	0		0
0	80 PCS LEGACY ALARM IMPROVEMENT -2016 SC	01/01/2016	12/31/2017	-200	0	0	0	0	-200	0	0	0		0
0	81 PCS UPGRADES FOR WATER SUPPLY-2016 SC	01/01/2016	12/31/2017	188	0	0	0	0	188	0	0	0		0
0	82 SCADA UPGRADES FOR WWT - II -2016 SC	01/01/2016	12/31/2020	1,222	0	0	0	0	1,222	0	0	0		0
0	84 TRUNK RADIO SYSTEM-2016 SC	01/01/2016	12/31/2021	-170	0	0	0	0	-170	0	0	0		0
0	85 NETWORK IMPROVEMENTS	01/01/2016	12/31/2018	1,813	0	0	0	0	1,813	0	0	0		0
		Project Sub	-total:	9,561	0	0	0	0	9,561	0	0	0		0
0 W.	AT906340 METERING & METER READING SYS													
0	2 AUTOMATED METER READING SYSTEM	01/01/2005	12/31/2017	30,367	0	0	0	0	30,367	0	0	0		0
0	17 AUTOMATED METER READING SYSTEM-2016 SC	01/01/2016		<i>'</i>	0	0	0	0	-22,068	0	0	0		0
		Project Sub		8,299	0	0	0	0	8,299	0	0	0		0
0 W.	AT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-,					-,					
0 <u>vv</u>	2 AVENUE RD WM CONSTRUCTION - HI LEVELTO LAWRE	=N/01/01/2009	12/21/2016	1,521	0	0	767	0	470	0	0	284		0
0	6 JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	01/01/2005		, , , , , , , , , , , , , , , , , , ,	0	0	45	0	28	0	0	17		0
0	27 JOS-AVENUEWM ENG - HI LEVEL TO LAWRENCE-2016				0	0	18	0	10	0	0	7		0
0	28 AVENUE RD WM CONS - HI LEVELTO LAWRENCE - 2016				0	0	-263	0	-161	0	0	-97		0
U	20 AVENUE RD WWW CONS - HI LEVELTO LAWRENCE - 2010	_		ł	0	0	-203 567	0		0	0	211		0
		Project Sub	-total:	1,125	0	U	507	U	347	0	0	211		U
	AT906468 HORGAN TRUNK MAIN EXPANSION													
0	1 JOS - HORGAN TO ELLESMERE WM - ENGINEERING	01/01/2005	12/31/2020	1,100	0	0	417	0	326	0	0	357		0
0	3 JOS - HORGAN TO ELLESMERE WM - CONSTRUCTION	01/01/2009	12/31/2019	5,000	0	0	1,898	0	1,479	0	0	1,623		0



(Phase 2) 10-Water Program

CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/Fina	ancina	1	2016					Financ	ina				
Priority Pro	•	Start Date Completion Date		Provincial Grants	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From	Other 1	Other 2	Debt	Debt - Recoverable
	•	Date		Subsidies	Subsidy	Charges		runas	Current				Recoverable
<u>0</u> WAT90	16468 HORGAN TRUNK MAIN EXPANSION												
0	49 JOS - HORGAN TO ELLESMERE WM - ENG - 2016 SC	01/01/201612/31/2020	-1,100	0	0	-417	0	-326	0	0	-357	(0 0
0	50 JOS - HORGAN TO ELLESMERE WM - CONS-2016 SC	01/01/2016 12/31/2019	-5,000	0	0	-1,898	0	-1,479	0	0	-1,623	(0 0
		Project Sub-total:	0	0	0	0	0	0	0	0	0	(0 0
0 WAT90	06470 ISLAND W.T.P. R&R												
0	8 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/201312/31/2021	680	0	0	0	0	680	0	0	0	(0 0
0	11 CHEMICAL & RESIDUALS MANAGMENT CONST	01/01/2015 12/31/2020	1,850	0	0	112	0	1,738	0	0	0		0 0
0	28 CHEMICAL & RESIDUALS MANAGMENT ENGINEERING-	20 [.] 01/01/201612/31/2023	-410	0	0	0	0	-410	0	0	0	(0
0	29 CHEMICAL & RESIDUALS MANAGMENT CONST-2016 SC	01/01/2016 12/31/2021	150	0	0	10	0	140	0	0	0	(0 0
		Project Sub-total:	2,270	0	0	122	0	2,148	0	0	0	(0 0
0 WAT90	06481 DISTRICT WATERMAINS - NEW												
0	1 DIST W/MAINS NEW	01/01/200512/31/2016	500	0	0	500	0	0	0	0	0		0 0
0	14 NEW WM -2016 SC	01/01/2016 12/31/2017	-450	0	0	-450	0	0	0	0	0	(0 0
		Project Sub-total:	50	0	0	50	0	0	0	0	0		0 0
0 WAT90	06483 PW ENGINEERING	•											
0	2 CAPITAL PRGMG & FACILITY ASSET PLANNING	01/01/2005 12/31/2018	1,669	0	0	0	0	1,669	0	0	0		0 0
0	5 WATERMAIN ASSET PLANNING	01/01/2007 12/31/2018	985	0	0	246	0	739	0	0	0		0
0	7 EASEMENT ACQUISITION	01/01/2007 12/31/2016	300	0	0	0	0	300	0	0	0		0 0
0	22 WATER LOSS REDUCTION STRATEGY	01/01/201212/31/2019	570	0	0	0	0	570	0	0	0		0
0	37 ASSET MGMT SYSTEM IMPLEMENTATION	01/01/2016 12/31/2025	100	0	0	25	0	75	0	0	0	(0 0
0	52 JOS UPDATE PHASE II	01/01/2015 12/31/2017	1,000	0	0	0	0	1,000	0	0	0	(0 0
0	59 WATERMAIN ASSET PLANNING-2016 SC	01/01/201612/31/2019	-175	0	0	-44	0	-451	0	0	320	(0
0	60 JOS UPDATE PHASE II-2016 SC	01/01/2016 12/31/2018	-500	0	0	250	0	-1,000	0	0	250	(0 0
0	61 CAPITAL PROG& FACILITY ASSET PLANNING-2016 SC	01/01/2016 12/31/2019	-318	0	0	0	0	-318	0	0	0	(0 0
0	62 WATER LOSS REDUCTION STRATEGY-2016 SC	01/01/2016 12/31/2020	-363	0	0	0	0	-363	0	0	0	(0 0
0	63 EASEMENT ACQUISITION-2016 SC	01/01/2016 12/31/2017	200	0	0	0	0	200	0	0	0	(0 0
		Project Sub-total:	3,468	0	0	477	0	2,421	0	0	570	(0 0
0 WAT90	06749 DOWNTOWN W/M ENHANCEMENT												
0	1 JOS - GERRARD ST WM - ENGINEERING	01/01/2006 12/31/2017	15	0	0	3	0	1	0	0	11	(0
0	4 JOS - GERRARD ST WM - CONSTRUCTION	01/01/201012/31/2016	7,806	0	0	1,554	0	283	0	0	5,969	(0 0
0	42 JOS - GERRARD ST WM - CONSTRUCTION -2016 SC	01/01/2016 12/31/2017	-7,161	0	0	-1,426	0	-259	0	0	-5,476	(0 0
0	43 JOS - GERRARD ST WM - ENGINEERING-2016 SC	01/01/201612/31/2017	55	0	0	10	0	3	0	0	42	(0 0
		Project Sub-total:	715	0	0	141	0	28	0	0	546		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: 2016 Recommended Capital Budget with Financing Detail

Project/F	Financing		2016					Financ					
Priority	Project Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T906752 TRANSMISSION R&R												
0	49 TRUNK WATERMAIN REHAB	01/01/201312/31/2016	545	0	0	0	0	545	0	0	0		0 0
0	51 CAST IRON TRUNK REPLC - PHASE 2	01/01/201312/31/2019	13,574	0	0	0	0	13,574	0	0	0		0 0
0	52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014 12/31/2019	1,703	0	0	0	0	1,703	0	0	0		0 0
0	58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	01/01/201612/31/2018	2,000	0	0	0	0	2,000	0	0	0		0 0
0	71 TRUNK WATERMAIN REHAB-2016 SC	01/01/201612/31/2018	-295	0	0	0	0	-295	0	0	0		0 0
		Project Sub-total:	17,527	0	0	0	0	17,527	0	0	0		0 0
<u>0</u> WA	T906900 TRANSMISSION R&R												
0	1 TRANS FACILITIES REHAB	01/01/2006 12/31/2018	475	0	0	0	0	475	0	0	0		0 0
0	6 ELLESMERE P.S. UPGRADE	01/01/2015 12/31/2017	25	0	0	6	0	3	0	0	16		0 0
0	26 SCARBOROUGH PS - PUMP REPLC	01/01/201312/31/2016	534	0	0	0	0	534	0	0	0		0 0
0	27 EGLINTON PS -PUMP REPLC	01/01/201312/31/2016	299	0	0	0	0	299	0	0	0		0 0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTEC	T01/01/201412/31/2019	15,543	0	0	0	0	15,543	0	0	0		0 0
0	48 ROSEHILL RESERVOIR	01/01/201512/31/2018	8,000	0	0	0	0	8,000	0	0	0		0 0
0	49 DOWNSVIEW PS & CONNECTOR	01/01/2015 12/31/2017	150	0	0	0	0	150	0	0	0		0 0
0	50 PARKDALE PS REHABILITATION	01/01/201512/31/2017	1,500	0	0	0	0	1,500	0	0	0		0 0
0	51 ROSEHILL PS REHAB	01/01/2015 12/31/2017	975	0	0	0	0	975	0	0	0		0 0
0	62 DOWNSVIEW PS & CONNECTOR EA-2016 SC	01/01/201612/31/2017	200	0	0	0	0	200	0	0	0		0 0
0	63 PARKDALE PS REHABILITATION-2016 SC	01/01/201612/31/2019	-187	0	0	0	0	-187	0	0	0		0 0
0	64 TRANS FACILITIES REHAB-2016 SC	01/01/201612/31/2018	275	0	0	0	0	275	0	0	0		0 0
0	65 ELLESMERE P.S. UPGRADE-2016 SC	01/01/201612/31/2017	-25	0	0	-6	0	-3	0	0	-16		0 0
0	66 ROSEHILL PS REHAB-2016 SC	01/01/201612/31/2021	-640	0	0	0	0	-640	0	0	0		0 0
0	67 ARMOUR HEIGHTS PUMP#2 REPLC	01/01/201612/31/2019	100	0	0	0	0	100	0	0	0		0 0
0	68 ST CLAIR RESERVOIR REHAB/QUALITY PROTECTION-20	01 01/01/2016 12/31/2018	-11,193	0	0	0	0	-11,193	0	0	0		0 0
0	69 SCARBOROUGH PS - PUMP REPLC-2016 SC	01/01/2016 12/31/2016	-370	0	0	0	0	-370	0	0	0		0 0
0	71 EGLINTON PS - PUMP REPLC-2016 SC	01/01/2016 12/31/2016	8	0	0	0	0	8	0	0	0		0 0
0	73 ROSEHILL RESERVOIR-2016 SC	01/01/2016 12/31/2019	-7,351	0	0	0	0	-7,351	0	0	0		0 0
		Project Sub-total:	8,318	0	0	0	0	8,318	0	0	0		0 0
<u>0</u> WA	T906902 HARRIS W.T.P. R&R												
0	2 BUILDING ENVELOPE REHAB	01/01/2006 12/31/2016	13	0	0	0	0	13	0	0	0		0 0
0	3 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2017	500	0	0	0	0	500	0	0	0		0 0
0	21 HVAC REHAB - CONSTRUCTION	01/01/201012/31/2018	1,220	0	0	0	0	1,220	0	0	0		0 0
0	29 HARRIS FILTERS REHABILITATION - PILOT	01/01/2015 12/31/2018	3,600	0	0	0	0	3,600	0	0	0		0 0
0	56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014 12/31/2019	12,609	0	0	0	0	12,609	0	0	0		0 0
0	79 EXTERIOR SECURITY LIGHTING UPGRADES	01/01/2015 12/31/2017	950	0	0	0	0	950	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: 2016 Recommended Capital Budget with Financing Detail

OJECU/FI	nancing			2016		nr.			Financ					
iority P	Project 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 - Recoverab
WAT	906902 HARRIS W.T.P. R&R													
0	81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/20151	2/31/2017	320	0	0	0	0	320	0	0	0		0
0	82 PD2 OPTIMIZATION	01/01/20151	2/31/2016	90	0	0	0	0	90	0	0	0		0
0	92 HARRIS DISINFECTION MODIFICATIONS	01/01/20101	2/31/2019	250	0	0	15	0	235	0	0	0		0
0	93 LIQUID CHEMICAL SYSTEM RELOCATION	01/01/20071	2/31/2016	20	0	0	0	0	20	0	0	0		0
0	95 HARRIS FILTERS REHABILITATION - PILOT-2016 SC	01/01/20161	2/31/2018	-3,250	0	0	0	0	-3,250	0	0	0		0
0	96 LIQUID CHEMICAL SYSTEM IMPROVEMENTS-2016 SC	01/01/20161	2/31/2019	-113	0	0	0	0	-113	0	0	0		0
0	97 PD2 OPTIMIZATION-2016 SC	01/01/20161	2/31/2016	-90	0	0	0	0	-90	0	0	0		0
0	98 HERITAGE MASONRY AND ARCHITECTURAL RESTORAT	TC01/01/20161	2/31/2021	200	0	0	0	0	200	0	0	0		0
0	99 CONTROL ROOM RELOCATION	01/01/20161	2/31/2017	75	0	0	0	0	75	0	0	0		0
0	100 EMERGENCY STANDBY POWER	01/01/20161	2/31/2018	150	0	0	0	0	150	0	0	0		0
0	102 PHONE SYSTEM UPGRADE	01/01/20161	2/31/2017	70	0	0	0	0	70	0	0	0		0
0	103 REHAB OF SETTLING BASIN ROOF&SLUICE GATES-201	6 \$01/01/20161	2/31/2019	-2,209	0	0	0	0	-2,209	0	0	0		0
0	104 EXTERIOR SECURITY LIGHTING UPGRADES-2016 SC	01/01/20161	2/31/2020	-950	0	0	0	0	-950	0	0	0		0
0	105 HARRIS DISINFECTION MODIFICATIONS-2016 SC	01/01/20161	2/31/2019	-250	0	0	-15	0	-235	0	0	0		0
0	106 BUILDING ENVELOPE REHAB-2016 SC	01/01/20161	2/31/2016	113	0	0	0	0	113	0	0	0		0
0	107 HVAC REHAB CONSTRUCTION-2016 SC	01/01/20161	2/31/2018	-738	0	0	0	0	-738	0	0	0		0
0	108 TRAVELLING 3 & 5 UPGRADE	01/01/20161	2/31/2016	750	0	0	0	0	750	0	0	0		0
		Project Sub-	total:	13,330	0	0	0	0	13,330	0	0	0		0
WAT	906903 FJ HORGAN W.T.P. R&R		Ī											
0	5 FACILITY & PROCESS UPGRADES	01/01/20061	2/31/2017	1,199	0	0	0	0	1,199	0	0	0		0
0	8 RAW WATER PUMP UPGRADES	01/01/20161	2/31/2016	600	0	0	0	0	600	0	0	0		0
0	15 REPLACEMENT OF MCCS	01/01/20131	2/31/2020	2,290	0	0	0	0	2,290	0	0	0		0
0	16 ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	01/01/20131	2/31/2018	500	0	0	0	0	500	0	0	0		0
0	31 BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/20161	2/31/2021	75	0	0	0	0	75	0	0	0		0
0	32 ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	G I 01/01/20151	2/31/2016	700	0	0	0	0	700	0	0	0		0
0	34 TREATED WATER PUMP UPGRADES	01/01/20151	2/31/2017	1,850	0	0	0	0	1,850	0	0	0		0
0	46 OFFSHORE CHLORINATION RELOCATION-2016 SC	01/01/20161	2/31/2018	-500	0	0	0	0	-500	0	0	0		0
0	48 TREATED WATER PUMP UPGRADES-2016 SC	01/01/20161	2/31/2017	-550	0	0	0	0	-550	0	0	0		0
0	49 ELEC GROUNDING SYSTEM&BULK CHEM UNLOADING-	20 01/01/2016 1	2/31/2019	-365	0	0	0	0	-365	0	0	0		0
0	51 ACCESS ROAD REPAVING-2016 SC	01/01/20161	2/31/2016	200	0	0	0	0	200	0	0	0		0
0	52 REPLACEMENT OF MCCS-2016 SC	01/01/20161	2/31/2022	-1,230	0	0	0	0	-1,230	0	0	0		0
		Project Sub-	4-4-1.	4,769	0	0	0	0	4,769	0	0	0		0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/	Financing		2016					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	TRUNK WATERMAIN EXPANSION												
0	25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/200912/31/2020	650	0	0	311	0	192	0	0	147		0 0
		Project Sub-total:	650	0	0	311	0	192	0	0	147		0 0
0 WA	T906914 SWITCH GEAR TRANSFORMER												
0	13 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/201212/31/2017	5,400	0	0	0	0	5,400	0	0	0		0 0
0	28 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)-2016 SC	01/01/201612/31/2017	-1,100	0	0	0	0	-1,100	0	0	0		0 0
		Project Sub-total:	4,300	0	0	0	0	4,300	0	0	0		0 0
0 WA	T906917 TRANSMISSION OPERATIONS OPTIMIZER												
0	11 TRANSMISSION OPERATIONS OPTIMIZER - 2016 SC	01/01/2016 12/31/2016	2	0	0	0	0	1	0	0	1		0 0
		Project Sub-total:	2	0	0	0	0	1	0	0	1		0 0
0 WA	T906918 WATER SUSTAINABILITY PROGRAM	-											
0	1 WATER SUSTAINABILITY PROGRAM	01/01/201312/31/2019	13,307	0	0	809	0	12,498	0	0	0		0 0
0	12 STANDBY POWER - ROSEHILL	01/01/201512/31/2017	4,850	0	0	0	0	4,850	0	0	0		0 0
0	17 WATER SUSTAINABILITY PROG STANDBY POWER-2016	S(01/01/201612/31/2017	-3,007	0	0	-183	0	-5,925	0	0	3,101		0 0
0	18 STANDBY POWER - ROSEHILL-2016 SC	01/01/201612/31/2021	-4,453	0	0	24	0	-4,596	0	0	119		0 0
		Project Sub-total:	10,697	0	0	650	0	6,827	0	0	3,220		0 0
0 WA	.T906919 RL CLARK W.T.P. R&R	ì											
0	1 FACILITY & PROCESS UPGRADES	01/01/200612/31/2017	215	0	0	0	0	215	0	0	0		0 0
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/200812/31/2019	1,275	0	0	78	0	1,197	0	0	0		0 0
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/201012/31/2018	7,800	0	0	475	0	7,325	0	0	0		0 0
0	44 EVALUATION & COMMUNICATION SYSTEMS	01/01/201312/31/2018	1,544	0	0	0	0	1,544	0	0	0		0 0
0	64 PROCESS EQUIPMENT UPGRADE CONSTRUCTION-201	16	0	0	0	-1	0	1	0	0	0		0 0
0	65 PROCESS EQUIPMENT UPGRADE ENGINEERING-2016	SC01/01/201612/31/2020	-395	0	0	-24	0	-371	0	0	0		0 0
0	67 FACILITY & PROCESS UPGRADES-2016 SC	01/01/201612/31/2018	-65	0	0	0	0	-65	0	0	0		0 0
		Project Sub-total:	10,374	0	0	528	0	9,846	0	0	0		0 0
<u>0</u> WA	T906930 DIST W/M REPLACEMENT												
0	15 WM REPLC - STANDALONE	01/01/201012/31/2016	1,177	0	0	0	0	1,177	0	0	0		0 0
0	39 DIST W/M REPLACEMENT 2013	01/01/201312/31/2016	500	0	0	0	0	500	0	0	0		0 0
0	51 DIST W/M REPLACEMENT - 2014	01/01/2014 12/31/2016	6,764	0	0	0	0	6,764	0	0	0		0 0
0	52 WATERMAIN UPGRADES - 2014	01/01/2014 12/31/2016	2,087	0	0	0	0	2,087	0	0	0		0 0
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/2014 12/31/2019	50	0	0	0	0	50	0	0	0		0 0
0	63 DIST W/M REPLACEMENT - 2015	01/01/201512/31/2017	28,810	0	0	4,480	0	24,330	0	0	0		0 0
0	64 WATERMAIN UPGRADES - 2015	01/01/201512/31/2017	3,292	0	0	1,024	0	2,268	0	0	0		0 0
0	71 DIST W/M REPLACEMENT - 2014-2016 SC	01/01/201612/31/2017	-5,516	0	0	0	0	-5,516	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: 2016 Recommended Capital Budget with Financing Detail

Project/I	Financing		Г	2016					Financ	ing				
Priority	Project Project Name	Start Date C	ompletion (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	T906930 DIST W/M REPLACEMENT													
0	72 DIST W/M REPLACEMENT - 2015-2016 SC	01/01/2017 12	2/31/2018	0	0	0	1	0	-1	0	0	0		0 0
0	73 DIST W/M REPLACEMENT - 2016	01/01/201612	2/31/2018	34,067	0	0	5,298	0	28,769	0	0	0		0 0
0	74 WATERMAIN UPGRADES - 2016	01/01/201612	2/31/2018	8,461	0	0	2,632	0	5,829	0	0	0		0 0
0	75 WATERMAIN UPGRADES - 2014-2016 SC	01/01/201612	2/31/2017	-1,729	0	0	0	0	-1,729	0	0	0		0 0
0	76 WATERMAIN UPGRADES - 2015-2016 SC	01/01/201612	2/31/2017	-1,835	0	0	-571	0	-1,264	0	0	0		0 0
0	77 2013 WM REPLC - UPGRADES-2016 SC	01/01/201612	2/31/2016	106	0	0	33	0	73	0	0	0		0 0
0	78 WM REPLC - STANDALONE-2016 SC	01/01/201612	2/31/2016	-1,177	0	0	0	0	-1,177	0	0	0		0 0
0	79 DIST W/M REPLC - 2012-2016 SC	01/01/201612	2/31/2016	148	0	0	0	0	148	0	0	0		0 0
0	80 2013 WM REPLC - SOGR-2016 SC	01/01/201612	2/31/2016	-480	0	0	0	0	-480	0	0	0		0 0
0	81 2011 WM REPLC-2016 SC	01/01/201612	2/31/2016	4	0	0	0	0	4	0	0	0		0 0
		Project Sub-t	otal:	74,729	0	0	12,897	0	61,832	0	0	0		0 0
0 WA	T906932 DIST W/M REHABILITATION													
0	4 HYDRANT & VALVE REPAIR	01/01/2007 12	2/31/2017	1,824	0	0	0	0	1,824	0	0	0		0 0
0	6 WATERMAIN STRUCTURAL LINING	01/01/2007 12	2/31/2019	54,415	0	0	0	0	54,415	0	0	0		0 0
0	7 CATHODIC PROTECTION	01/01/2007 12	2/31/2018	4,595	0	0	0	0	4,595	0	0	0		0 0
0	30 CUT REPAIRS	01/01/2007 12	2/31/2016	2,765	0	0	0	0	2,765	0	0	0		0 0
0	46 WATERMAIN STRUCTURAL LINING-2016 SC	01/01/201612	2/31/2020	-10,957	0	0	0	0	-10,957	0	0	0		0 0
0	47 HYDRANT & VALVE REPAIR-2016 SC	01/01/201612	2/31/2017	1,845	0	0	0	0	1,845	0	0	0		0 0
		Project Sub-t	otal:	54,487	0	0	0	0	54,487	0	0	0		0 0
0 WA	T906934 DIST WATER SERVICE REPAIR		Ī											
0	12 ALL DISTRICT WSR - LEAD REPLACEMENT	01/01/200812	2/31/2017	9,250	0	0	0	0	9,250	0	0	0		0 0
0	32 WSR CUT REPAIRS	01/01/201212	2/31/2016	2,100	0	0	0	0	2,100	0	0	0		0 0
0	41 2013 WATER SERVICE REPLACMENT -SOGR	01/01/201312	2/31/2016	1,253	0	0	0	0	1,253	0	0	0		0 0
0	52 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/201412	2/31/2016	1,891	0	0	0	0	1,891	0	0	0		0 0
0	59 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/201512	2/31/2017	9,000	0	0	0	0	9,000	0	0	0		0 0
0	67 WATER SERVICE REPAIR - LEAD PROGRAM-2016 SC	01/01/201612	2/31/2018	5,754	0	0	0	0	5,754	0	0	0		0 0
0	68 2016 WATER SERVICE REPLACEMENT - SOGR	01/01/201612	2/31/2018	10,001	0	0	0	0	10,001	0	0	0		0 0
0	69 2014 WATER SERVICE REPLACEMENT - SOGR-2016 SC	01/01/201612	2/31/2017	-672	0	0	0	0	-672	0	0	0		0 0
0	70 2015 WATER SERVICE REPLACEMENT - SOGR-2016 SC	01/01/201612	2/31/2019	-3,773	0	0	0	0	-3,773	0	0	0		0 0
0	71 WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/201612	2/31/2017	12,000	0	0	0	0	12,000	0	0	0		0 0
0	74 REPLACEMENT OF FROZEN SERVICES	01/01/201612	2/31/2018	1,000	0	0	0	0	1,000	0	0	0		0 0
0	75 WSR CUT REPAIRS WITH WM SL	01/01/201612	2/31/2017	1,750	0	0	0	0	1,750	0	0	0		0 0
0	76 WSR CUT REPAIR-2016 SC	01/01/201612	2/31/2017	-350	0	0	0	0	-350	0	0	0		0 0
0	77 2013 WSR-2016 SC	01/01/201612	2/31/2016	-1,004	0	0	0	0	-1.004	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	Financing		2016					Financ	ing				
Priority	_	Start Date Comple Date		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T906934 DIST WATER SERVICE REPAIR												
0	78 2011 WSR	01/01/201612/31/2	016 1	5 0	0	0	0	15	0	0	0		0 0
0	79 2012 WATER SERVICE REPLC - 2016 SC	01/01/201612/31/2	016 3	5 0	0	0	0	35	0	0	0		0 0
		Project Sub-total:	48,250	0	0	0	0	48,250	0	0	0		0 0
0 WA	T906935 NEW SERVICE CONNECTIONS												-
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/200812/31/2	016 4,080	0	0	0	0	4,080	0	0	0		0 0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/201012/31/2	018 22,10	0	0	0	0	22,100	0	0	0		0 (
0	21 NEW SERVICE CONNECTIONS - CUT REPAIRS-2016 SC	01/01/201612/31/2	017 920	0	0	0	0	920	0	0	0		0 (
		Project Sub-total:	27,100	0	0	0	0	27,100	0	0	0		0 (
0 WA	T906951 ENGINEERING												
0	2 CONSULTING FEES	01/01/200612/31/2	021 11,389	0	0	0	0	11,389	0	0	0		0 (
0	63 ROAD RESTORATION	01/01/200612/31/2	016 5,830	0	0	0	0	5,830	0	0	0		0
0	64 LEGAL SERVICES SALARIES-2016 SC	01/01/201612/31/2	016 199	0	0	0	0	199	0	0	0		0
0	65 PPFA SALARIES-2016 SC	01/01/201612/31/2	016 2,29	2 0	0	0	0	2,292	0	0	0		0
0	66 ECS SALARIES-2016 SC	01/01/201612/31/2	016 13,08	1 0	0	0	0	13,081	0	0	0		0
0	67 ROAD RESTORATION-2016 SC	01/01/201612/31/2	017 150	0	0	0	0	150	0	0	0		0
0	68 CONSULTING FEES-2016 SC	01/01/201612/31/2	021 -4,35	9 0	0	0	0	-4,359	0	0	0		0
		Project Sub-total:	28,582	0	0	0	0	28,582	0	0	0		0
0 WA	T906977 ISLAND W.T.P. R&R												
0	1 FACILITY & PROCESS UPGRADES	01/01/200612/31/2	017 75	7 0	0	0	0	757	0	0	0		0
0	12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011 12/31/2	016 2,34	0	0	0	0	2,345	0	0	0		0
0	32 TRAVELLING SCREEN REPLACEMENT	01/01/201512/31/2	018 2,120	0	0	0	0	2,120	0	0	0		0
0	44 ISLAND ENWAVE/RETROFIT PROJECT	01/01/201312/31/2	016 2 ⁻	7 0	0	0	0	27	0	0	0		0
0	50 AMMONIA AND FLOURIDE SYSTEM UPGRADES	01/01/201412/31/2	018 886	0	0	0	0	880	0	0	0		0
0	51 CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	N 01/01/201412/31/2	016 36	5 0	0	0	0	365	0	0	0		0
0	69 GENERATORS` DR3 PROGRAM	01/01/201512/31/2	017 750	0	0	0	0	750	0	0	0		0
0	70 PLANTWIDE HVAC UPGRADES	01/01/201512/31/2	018 90	0	0	0	0	90	0	0	0		0
0	78 Generators DR3 Program-2016 SC	01/01/201612/31/2	018 -670	0	0	0	0	-670	0	0	0		0
0	79 PLANTWIDE HVAC UPGRADES-2016 SC	01/01/201612/31/2	018 -	5 0	0	0	0	-5	0	0	0		0
0	81 TRAVELLING SCREEN REPLACEMENT-2016 SC	01/01/201612/31/2	020 -1,950	0	0	0	0	-1,950	0	0	0		0 (
0	83 RAW WATER INTAKE CLEANING	01/01/201612/31/2			0	0	0	100	0	0	0		0
0	84 CHEMICAL SYSTEMS` ELEC FEED DISTRIBUTION-2016				0	0	0	-360	0	0	0		0
0	85 AMMONIA AND FLOURIDE SYSTEM UPGRADES-2016 SC				0	0	0	-535	0	0	0		0
0	86 ISLAND FILTER AIR SCOUR SYSTEM-2016 SC	01/01/2016 12/31/2	016 100	0	0	6	0	94	0	0	0		0 (



(Phase 2) 10-Water Program

CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	inancing		2016					Financ	ing				
Priority	-	Start Date Compl Date		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WA	T906977 ISLAND W.T.P. R&R												
0	87 ISLAND ENWAVE/RETROFIT PROJECT-2016 SC	01/01/201612/31/	2016 -2	7 0	0	0	0	-27	0	0	0	(0
0	88 FACILITY & PROCESS UPGRADES-2016 SC	01/01/201612/31/	2018 1,33	0	0	0	0	1,330	0	0	0	(0
		Project Sub-total	5,31	7 0	0	6	0	5,311	0	0	0	(0 0
0 WA	T907353 LAWRENCE ALLAN REVITALIZATION PLAN												
0	1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/201312/31/	2019 3,82	1 0	0	3,821	0	0	0	0	0	(0
0	2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/201312/31/	2017 2,63	3 0	0	2,633	0	0	0	0	0	(0
0	8 LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL-20	0101/01/201612/31/	2017 1,45	9 0	0	1,459	0	0	0	0	0	(0
		Project Sub-total	7,91	3 0	0	7,913	0	0	0	0	0	(0 0
0 WA	T907558 REGENT PARK CAPITAL CONTRIBUTION												
0	1 REGENT PARK CAPITAL CONTRIBUTION	01/01/2011 12/31/	2022 1,80	3 0	0	0	0	1,803	0	0	0	(0
0	12 REGENT PARK CAPITAL CONTRIBUTION-2016 SC	01/01/201612/31/	2022 55	3 0	0	2,356	0	-1,803	0	0	0	(0
		Project Sub-total	2,35	6 0	0	2,356	0	0	0	0	0	(0 0
0 WA	T907946 BUSINESS IT PROJECTS												
0	2 BACKFLOW INSPECTION PORTAL	01/01/2013 12/31/	2017 20	0 0	0	0	0	200	0	0	0	(0
0	4 EDOCS	01/01/201312/31/	2016 15	0 0	0	0	0	150	0	0	0	(0
0	7 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014 12/31/	2020 1,71	9 0	0	0	0	1,719	0	0	0	(0
0	13 BACKFLOW INSPECTION PUBLIC REPORTING PORTAL-2	2001/01/201612/31/	2017 -20	0	0	0	0	-200	0	0	0	(0
0	14 ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT-	2(01/01/201612/31/	2021 -80	0	0	0	0	-800	0	0	0	(0
0	15 EDOCS-2016 SC	01/01/201612/31/	2016 -15	0	0	0	0	-150	0	0	0	(0
		Project Sub-total	: 91	9 0	0	0	0	919	0	0	0	(0 0
0 WA	T908087 TRUNK WATERMAIN												
0	1 TRANSMISSION SYSTEM AUTOMATION	01/01/2015 12/31/	2018 1,75	0 0	0	0	0	1,750	0	0	0	(0
0	4 JOS - REVENUE METER REPLACEMENT	01/01/2016 12/31/	2018 5	0 0	0	0	0	25	0	0	25	(0
0	6 3RD PARTY RELOCATIONS (METROLINX)	01/01/2015 12/31/	2019 50	0 0	0	0	0	500	0	0	0	(0
0	8 TRANSMISSION SYSTEM AUTOMATION-2016 SC	01/01/2016 12/31/	2017 65	4 0	0	0	0	654	0	0	0	(0
0	93RD PARTY RELOCATIONS (METROLINX)-2016 SC	01/01/2016 12/31/	2021 -20	0	0	0	0	-200	0	0	0		0
		Project Sub-total	2,75	4 0	0	0	0	2,729	0	0	25	(0 0
<u>0</u> WA	T908248 WT&S PLANTWIDE												
0	1 UV DISINFECTION - CONCEPTUAL DESIGN	01/01/2016 12/31/	2017 1,50	0 0	0	0	0	1,500	0	0	0	(0

Nov-02-2015 16:24:31

Page 10 of 10

Report P2-1A

(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: 2016 Recommended Capital Budget with Financing Detail

Water Program Sub-Project Summary

Project/Financing		2016					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 WAT908248 WT&S PLANTWIDE												
0 6 STANDBY POWER - PHASE 2 - ENG	01/01/2016 12/31/2024	200	0	0	12	0	128	0	0	60	(0
	Project Sub-total:	1,700	0	0	12	0	1,628	0	0	60	(0
Program Total:		352,199	0	0	26,678	0	320,549	0	0	4,972	(0

Status Code Description

S2 Prior Year (With 2016 and\or Future Year Cashflow) S2

S3 S3 Prior Year - Change of Scope 2016 and\or Future Year Cost\Cashflow)

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

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 04

05 Growth Related C05 06 Reserved Category 1 C06 Reserved Category 2 C07 (Phase 2) 11-Wastewater Program

MTORONTO

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



Appendix 5: 2016 Recommended Capital Budget with Financing Detail

	Project/	Financing		2016					Financ	ing				
17 STANIDBY POWER GENERATION 0101/2005 1231/2017 4,05 0 0 333 0 372 0 0 0 0 0 0 0 0 1 19 FERROUS UPGRADES 0101/2015/2017/2019 4,335 0 0 0 361 0 3,981 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Priority	Project Name		Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt	
19 FERROUS UPGRADES 0101/2013 12/31/2019 4.335 0 0 3.51 0 3.984 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	AS000007 ASHBRIDGES BAY WWTP REHAB												
0 30 ELECTRICAL REHAB	0	17 STANDBY POWER GENERATION	01/01/200512/31/2017	405	0	0	33	0	372	0	0	0		0 0
14 POLYMER UPGRADE 14 POLYMER UPGRADE 15 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	19 FERROUS UPGRADES	01/01/201312/31/2019	4,335	0	0	351	0	3,984	0	0	0		0 0
10 47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN 01/01/200512/31/2002 1,800 0 0 1445 0 1,685 0 0 0 0 0 0 0 0 0	0	30 ELECTRICAL REHAB	01/01/200512/31/2018	9,818	0	0	0	0	9,818	0	0	0		0 0
19	0	41 POLYMER UPGRADE	01/01/2014 12/31/2023	700	0	0	0	0	700	0	0	0		0 0
189 PROCESS AND EQUIPMENT	0	47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/200512/31/2020	1,800	0	0	145	0	1,655	0	0	0		0 0
199 FACILITY AND GROUNDS	0	49 PROCESS UPGRADES & ODOUR CONTROL ENGINEERI	N(01/01/200512/31/2017	555	0	0	45	0	510	0	0	0		0 0
215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13 01/01/20141231/2019 3,725 0 0 0 3,725 0 0 0 0 0 0 216 OPERATIONS CENTRE - ENGINEERING 01/01/2016 1231/2019 350 0 0 0 0 3,50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	189 PROCESS AND EQUIPMENT	01/01/201312/31/2017	4,633	0	0	0	0	4,633	0	0	0		0 0
216 OPERATIONS CENTRE - ENGINEERING 01/01/201612/31/2016 350 0 0 0 0 350 0 0 0 0 0 0 0 0 0 0 0 0	0	190 FACILITY AND GROUNDS	01/01/201312/31/2016	771	0	0	0	0	771	0	0	0		0 0
224 BRIDGE UPGRADES (D/P BUILDING) 01/01/201512/31/2018 1,100 0 0 0 0 1,100 0 0 0 0 0 0 0 0 0 0	0	215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014 12/31/2019	3,725	0	0	0	0	3,725	0	0	0		0 0
226 ABTP - ENVIRONMENTAL ASSESSMENT 01/01/201512/31/2017 700 0 227 AIR HEADER REHAB 01/01/201512/31/2017 700 0 0 0 0 0 0 700 0 228 BLOWER BUILDING MAINTENANCE SHOP 01/01/201512/31/2017 700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	216 OPERATIONS CENTRE - ENGINEERING	01/01/201612/31/2016	350	0	0	0	0	350	0	0	0		0 0
227 AIR HEADER REHAB 01/01/2015 12/31/2017 700 0 228 BLOWER BUILDING MAINTENANCE SHOP 01/01/2015 12/31/2017 100 0 229 D BUILDING PHASE 2 01/01/2015 12/31/2016 500 0 231 HOT WATER LOOP MODIFICATIONS 01/01/2015 12/31/2016 0 238 SECURITY UPGRADES 01/01/2015 12/31/2017 1,200 0 243 ELECTRICAL REHAB - ECAP-2016 SC 01/01/2016 12/31/2019 0 243 ELECTRICAL REHAB - ECAP-2016 SC 01/01/2016 12/31/2019 0 245 D BUILDING PHASE 2 01/01/2016 12/31/2019 0 245 D BUILDING PHASE 2-2016 SC 01/01/2016 12/31/2024 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	224 BRIDGE UPGRADES (D/P BUILDING)	01/01/201512/31/2019	1,100	0	0	0	0	1,100	0	0	0		0 0
0 228 BLOWER BUILDING MAINTENANCE SHOP 01/01/201512/31/2017 100 0 0 0 0 0 100 0 0 0 0 0 0 0 0 0	0	226 ABTP - ENVIRONMENTAL ASSESSMENT	01/01/201512/31/2018	250	0	0	0	0	250	0	0	0		0 0
229 D BUILDING PHASE 2 01/01/2015 12/31/2019 700 0 0 0 0 0 0 700 0 0 0 0 0 0 0 0 0	0	227 AIR HEADER REHAB	01/01/201512/31/2017	700	0	0	0	0	700	0	0	0		0 0
0 231 HOT WATER LOOP MODIFICATIONS 01/01/2015 12/31/2017 1,200 0 0 0 500 0 0 0 0 0 0 0 0 0 0 0 0 0	0	228 BLOWER BUILDING MAINTENANCE SHOP	01/01/201512/31/2017	100	0	0	0	0	100	0	0	0		0 0
0 238 SECURITY UPGRADES 01/01/201612/31/2017 1,200 0 0 0 1,200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	229 D BUILDING PHASE 2	01/01/201512/31/2019	700	0	0	0	0	700	0	0	0		0 0
0 243 ELECTRICAL REHAB - ECAP-2016 SC 01/01/2016 12/31/2019 -5,392 0 0 0 0 -5,392 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	231 HOT WATER LOOP MODIFICATIONS	01/01/201512/31/2016	500	0	0	0	0	500	0	0	0		0 0
0 244 BRIDGE UPGRADES (D/P BUILDING)-2016 SC 01/01/2016 12/31/2019 -1,100 0 0 0 -1,100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	238 SECURITY UPGRADES	01/01/201512/31/2017	1,200	0	0	0	0	1,200	0	0	0		0 0
0 245 D BUILDING PHASE 2-2016 SC 01/01/2016 12/31/2018 2-200 0 0 0 0 -200 0 0 0 0 0 0 0 0 0 0	0	243 ELECTRICAL REHAB - ECAP-2016 SC	01/01/201612/31/2019	-5,392	0	0	0	0	-5,392	0	0	0		0 0
0 246 NEW FLEET PURCHASES 01/01/201612/31/2018 130 0 0 0 130 0 0 0 0 0 0 0 0 0 0 0 0 0	0	244 BRIDGE UPGRADES (D/P BUILDING)-2016 SC	01/01/201612/31/2019	-1,100	0	0	0	0	-1,100	0	0	0		0 0
0 247 HEATING & AIR SYSTEMS ASSESSMENT 01/01/201612/31/2018 250 0 0 0 0 250 0 0 0 0 0 0 0 0 0 0 0 0	0	245 D BUILDING PHASE 2-2016 SC	01/01/201612/31/2024	-200	0	0	0	0	-200	0	0	0		0 0
0 248 SOILS MANAGEMENT PLAN 01/01/201612/31/2018 100 0 0 0 100 0 0 0 0 0 0 0 0 0 0 0	0	246 NEW FLEET PURCHASES	01/01/201612/31/2016	130	0	0	0	0	130	0	0	0		0 0
0 249 P BLDG HEADWORKS - ENG DESIGN & CONT ADMIN-201601/01/201612/31/2018 260 0 0 21 0 239 0 0 0 0 0 0 0 0 0 0 250 PROCESS UPGRADES & ODOUR CONTROL ENG-2016 SC 01/01/201612/31/2017 -214 0 0 -177 0 -197 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	247 HEATING & AIR SYSTEMS ASSESSMENT	01/01/201612/31/2018	250	0	0	0	0	250	0	0	0		0 0
0 250 PROCESS UPGRADES & ODOUR CONTROL ENG-2016 SC 01/01/201612/31/2017 -214 0 0 -17 0 -197 0 0 0 0 0 0 0 0 0 0 251 DIGESTERS CLEANING REHAB - TANKS 14,16,13-2016 SC 01/01/201612/31/2023 -95 0 0 0 0 -95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	248 SOILS MANAGEMENT PLAN	01/01/201612/31/2018	100	0	0	0	0	100	0	0	0		0 0
0 251 DIGESTERS CLEANING REHAB - TANKS 14,16,13-2016 SC 01/01/201612/31/2023 -95 0 0 0 -95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	249 P BLDG HEADWORKS - ENG DESIGN & CONT ADMIN-20	1601/01/201612/31/2018	260	0	0	21	0	239	0	0	0		0 0
0 252 BLOWER BUILDING MAINTENANCE SHOP-2016 SC 01/01/2016 12/31/2017 -100 0 0 0 -100 0 0 0 0 0 0 0 0 0 0 0 0	0	250 PROCESS UPGRADES & ODOUR CONTROL ENG-2016 S	C 01/01/201612/31/2017	-214	0	0	-17	0	-197	0	0	0		0 0
0 257 STANDBY POWER GENERATION-2016 SC 01/01/2016 12/31/2017 -73 0 0 -6 0 -67 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	251 DIGESTERS CLEANING REHAB - TANKS 14,16,13-2016 S	C 01/01/201612/31/2023	-95	0	0	0	0	-95	0	0	0		0 0
0 258 PROCESS AND EQUIPMENT-2016 SC 01/01/2016 12/31/2019 -2,328 0 0 0 0 -2,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	252 BLOWER BUILDING MAINTENANCE SHOP-2016 SC	01/01/201612/31/2017	-100	0	0	0	0	-100	0	0	0		0 0
0 260 SECURITY UPGRADES-2016 SC 01/01/2016 12/31/2017 -1,200 0 0 0 -1,200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	257 STANDBY POWER GENERATION-2016 SC	01/01/201612/31/2017	-73	0	0	-6	0	-67	0	0	0		0 0
0 261 FERROUS UPGRADES-2016 SC 01/01/2016 12/31/2019 -2,620 0 0 -212 0 -2,408 0 0 0 0 0 0 0 0 0 262 AIR HEADER REHAB-2016 SC 01/01/2016 12/31/2018 -600 0 0 0 0 -600 0 0 0 0 0 0	0	258 PROCESS AND EQUIPMENT-2016 SC	01/01/201612/31/2019	-2,328	0	0	0	0	-2,328	0	0	0		0 0
0 262 AIR HEADER REHAB-2016 SC 01/01/2016 12/31/2018 -600 0 0 0 -600 0 0 0 0	0	260 SECURITY UPGRADES-2016 SC	01/01/201612/31/2017	-1,200	0	0	0	0	-1,200	0	0	0		0 0
	0	261 FERROUS UPGRADES-2016 SC	01/01/201612/31/2019	-2,620	0	0	-212	0	-2,408	0	0	0		0 0
0 263 POLYMER UPGRADE-2016 SC 01/01/2016 12/31/2023 -100 0 0 0 -100 0 0 0 0 0	0	262 AIR HEADER REHAB-2016 SC	01/01/201612/31/2018	-600	0	0	0	0	-600	0	0	0		0 0
	0	263 POLYMER UPGRADE-2016 SC	01/01/201612/31/2023	-100	0	0	0	0	-100	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project	t/Financing			2016		1			Financ				-	_
Priority	y Project P	roject 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> W	/AS000007 AS	SHBRIDGES BAY WWTP REHAB												
0	264 HVAC	CONVERSION Z-BLDG	01/01/2016 12/31/2018	500	0	0	0	0	500	0	0	0		0
			Project Sub-total:	18,860	0	0	360	0	18,500	0	0	0		0
<u>o</u> w	/AS000115 HI	UMBER T.P.												
0	9 CO-G	ENERATION	01/01/2005 12/31/2017	200	0	0	0	0	200	0	0	0		0
			Project Sub-total:	200	0	0	0	0	200	0	0	0		0
0 W	/AS000259 TF	RUNK SEWER SYSTEM												
0		NK SEWER REHABILITATION - 2012	01/01/201212/31/2020	6,281	0	0	0	0	6,281	0	0	0		0
0	23 TRUN	NK SEWER REHABILITATION	01/01/200912/31/2016	15	0	0	0	0	15	0	0	0		0
0	27 TRUN	NK SEWER REHABILITATION - 2014	01/01/2014 12/31/2019	27,325	0	0	0	0	27,325	0	0	0		0
0	34 BLAC	CK CREEK STS EA	01/01/2008 12/31/2017	600	0	0	0	0	600	0	0	0		0
0	44 TRUN	NK SEWER REHABILITATION - 2014-2016 SC	01/01/2016 12/31/2020	3,413	0	0	0	0	3,413	0	0	0		0
0	45 TRUN	NK SEWER REHABILITATION - 2012-2016 SC	01/01/2016 12/31/2020	-912	0	0	0	0	-912	0	0	0		0
0	46 TRUN	NK SEWER REHABILITATION-2016 SC	01/01/2016 12/31/2016	-15	0	0	0	0	-15	0	0	0		0
0	47 TRUN	NK SEWER REHABILITATION - 2016	01/01/2016 12/31/2021	1,000	0	0	0	0	1,000	0	0	0		0
0	48 BLAC	CK CREEK STS EA-2016 SC	01/01/2016 12/31/2017	250	0	0	0	0	250	0	0	0		0
			Project Sub-total:	37,957	0	0	0	0	37,957	0	0	0		0
<u>o</u> w	/AS000442 B	ASEMENT FLOODING RELIEF												
0	1 BASE	MENT FLOODING PROTECTION SUBSIDY PROG	RAM01/01/200512/31/2017	2,000	0	0	0	0	2,000	0	0	0		0
0	8 BASE	MENT FLOODING STUDIES & EAS	01/01/2006 12/31/2019	2,023	0	0	0	0	2,023	0	0	0		0
0	9 BASE	MENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2013 12/31/2021	15,000	0	0	0	0	15,000	0	0	0		0
0	12 ROAE	D RESTORATION FOR BSMT FLDG	01/01/201212/31/2016	800	0	0	0	0	800	0	0	0		0
0	14 BASE	MENT FLOODING DESIGN - GROUP 1	01/01/2008 12/31/2018	525	0	0	0	0	525	0	0	0		0
0	18 BASE	EMENT FLOODING DESIGN - GROUP 2	01/01/2011 12/31/2021	4,730	0	0	0	0	4,730	0	0	0		0
0	19 BASE	MENT FLOODING RELIEF - GROUP 2	01/01/2014 12/31/2019	31,492	0	0	0	0	31,492	0	0	0		0
0	20 BASE	EMENT FLOODING DESIGN - GROUP 3	01/01/2014 12/31/2019	3,024	0	0	0	0	3,024	0	0	0		0
0	29 BASE	MENT FLOODING RELIEF - GROUP 1	01/01/201012/31/2017	10,267	0	0	0	0	10,267	0	0	0		0
0	76 BASE	MENT FLOODING FLOW MONITORING	01/01/2016 12/31/2021	1,000	0	0	0	0	1,000	0	0	0		0
0	77 BASE	MENT FLOODING DESIGN - GROUP 4	01/01/2015 12/31/2024	4,412	0	0	0	0	4,412	0	0	0		0
0	81 BASE	MENT FLOODING STUDIES & EAS-CW IMPLEMENT	NTA\01/01/2014 12/31/2018	7,000	0	0	0	0	7,000	0	0	0		0
0	86 BASE	MENT FLOODING RELIEF - TUNNEL PROJECT-20	16 \$01/01/2016 12/31/2024	-12,985	0	0	0	0	-12,985	0	0	0		0
0	88 BASE	MENT FLOODING DESIGN - GROUP 4 ENG-2016	SC 01/01/201612/31/2025	2,471	0	0	0	0	2,471	0	0	0		0
0	92 BMS1	Γ STUDIES & EA`S -IMPLEMENTATION-2016 SC	01/01/2016 12/31/2018	-686	0	0	0	0	-686	0	0	0		0
0	94 BASE	EMENT FLOODING PROTECTION SUBSIDY PROG	201 01/01/2016 12/31/2018	3,500	0	0	0	0	3,500	0	0	0		0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	Financing		2016					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</u> WA	S000442 BASEMENT FLOODING RELIEF												
0	95 ROAD RESTORATION FOR BSMT FLDG PRJS-2016 SC	01/01/201612/31/2017	-335	0	0	0	0	-335	0	0	0		0 0
0	96 BASEMENT FLOODING DESIGN - GROUP 1-2016 SC	01/01/201612/31/2018	-126	0	0	0	0	-126	0	0	0		0 0
0	98 BASEMENT FLOODING RELIEF - GROUP 1-2016 SC	01/01/201612/31/2018	-7,968	0	0	0	0	-7,968	0	0	0		0 0
0	99 BASEMENT FLOODING RELIEF - GROUP 2-2016 SC	01/01/201612/31/2021	6,370	0	0	0	0	6,370	0	0	0		0 0
0	101 BASEMENT FLOODING STUDIES & EAS-2016 SC	01/01/201612/31/2020	-1,320	0	0	0	0	-1,320	0	0	0		0 0
		Project Sub-total:	71,194	0	0	0	0	71,194	0	0	0		0 0
0 WA	S000521 HIGHLAND CREEK WWTP - BUILDING SERV & SITE	DEV											
0	3 HCTP BLDG REHAB & IMPROVEMENTS	01/01/201212/31/2019	3,500	0	0	0	0	3,500	0	0	0		0 0
		Project Sub-total:	3,500	0	0	0	0	3,500	0	0	0	(0 0
0 WA	S000951 NEW SEWER CONSTRUCTION												
0	16 WESTERN BEACHES STORAGE TUNNEL	01/01/2016 12/31/2016	1	0	0	0	0	1	0	0	0		0 0
Ŭ	TO WESTERN BEASINES STORWISE TO MILE	Project Sub-total:	1	0	0	0	0	<u>·</u> 1	0	0	0		0 0
0 14/4	COOCAGA IMPRIMING A DODATODIES	Trojout Gub totali	•					•					
_	S906322 W&WW LABORATORIES	04/04/000040/04/0040	400	0	0	0	0	400	0	0	0		2 0
0	9 LAB EQUIPMENT 30 LAB EQUIPMENT-2016 SC	01/01/2008 12/31/2018 01/01/2016 12/31/2018	120 172	0	0	0	0	120 172	0	0	0		0 0
U	30 LAB EQUIPMENT-2010 SC	:	292	0	0	0	0	292	0	0	0		0 0
		Project Sub-total:	292										
_	S906328 SWM END OF PIPE FACILITIES												
0	9 NORTH TORONTO CSO CONSTR	01/01/201312/31/2016	2,973	0	0	239	0	2,734	0	0	0		0 0
0	11 Bonar Creek Construction	01/01/2014 12/31/2020	450	0	0	36	0	414	0	0	0		0 0
0	12 EARL BALES SWM FACILITY - PHASE 2	01/01/2012 12/31/2016	8,582	0	0	692	0	7,890	0	0	0		0 0
0	58 EARL BALES PARK SWM FACILITY - PHASE 2-2016 SC	01/01/2017 12/31/2017	0	0	0	1	0	-1	0	0	0		0 0
0	60 NORTH TORONTO CSO CONSTR-2016 SC	01/01/2016 12/31/2016	2	0	0	0	0	2	0	0	0		0 0
0	61 YR03 D1 END OF PIPE	01/01/2016 12/31/2016	10.000	0	0	0	0	1	0	0	0		0 0
		Project Sub-total:	12,008	0	0	968	0	11,040	0	0	0		0 0
<u>0</u> <u>WA</u>	SS906331 SWM SOURCE CONTROL PROG												
0	9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005 12/31/2018	150	0	0	0	0	150	0	0	0		0 0
		Project Sub-total:	150	0	0	0	0	150	0	0	0	(0 0
<u>0</u> WA	S906380 HIGHLAND CREEK WWTP - ODOUR CONTROL												
0	1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/200812/31/2019	605	0	0	49	0	556	0	0	0		0 0
0	2 ODOUR CONTROL UPGRADES PHASE 1 CONST	01/01/201312/31/2019	19,000	0	0	1,529	0	17,471	0	0	0		0 0
0	18 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-201	6 S01/01/201612/31/2019	-1,000	0	0	-80	0	-920	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/l	Financing			2016					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
0 WA	AS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL													
0	19 ODOUR CONTROL UPGRADES - PHASE 1 ENG-2016 S	C 01/01/2016	12/31/2021	397	0	0	32	0	365	0	0	0		0 (
		Project Sub	o-total:	19,002	0	0	1,530	0	17,472	0	0	0		0 (
0 WA	AS906486 ASHBRIDGES BAY T.P III YR2004													
0	3 PCS-PLANT SRVS	01/01/2005	12/31/2017	50	0	0	4	0	46	0	0	0		0 (
0	47 PCS-PLANT SRVS-2016 SC	01/01/2016	12/31/2016	117	0	0	9	0	108	0	0	0		0 (
		Project Suk	o-total:	167	0	0	13	0	154	0	0	0		0 (
0 WA	AS906487 HIGHLAND CREEK T.P IV YR2004													
0	2 PCS PLANT SERVICES	01/01/2005	12/31/2016	120	0	0	10	0	110	0	0	0		0 (
0	21 PCS PLANT SERVICES-2016 SC		12/31/2016		0	0	-10	0	-110	0	0	0		0 (
		Project Sub	o-total:	0	0	0	0	0	0	0	0	0		0 (
0 WA	AS906488 HUMBER T.P II YR2004	•												
0	2 PCS PLANT SERVICES	01/01/2005	12/31/2018	5	0	0	0	0	5	0	0	0		0
0	23 PCS PLANT SERVICES-2016 SC		12/31/2018	0	0	0	1	0	-1	0	0	0		0
U	201 001 EANT OF WIGHT 2010 00	Project Suk		5	0	0	<u>'</u> 1	0	4	0	0	0		0
0 14/4	LOOSE OF WET WEATHER ELOWING	i roject out	-total.				· ·							
	AS906492 WET WEATHER FLOW MP	04/04/0005		577	0		40	0	504			0		•
0	1 SWM INA-EA		12/31/2019	_	0	0	46 40	0	531	0	0	0		0 (
0	2 WWFMP - PUBLIC EDUCATION 14 WWFMP IMPLEMENTATION - DESIGN		12/31/2016 12/31/2017	1,700	0	0	137	0	460 1,563	0	0	0		
0	44 SWM CONVEYANCE 2013		12/31/2017		0	0	24	0	268	0	0	0		0 (
0	51 SWM CONVEYANCE 2014		12/31/2016	_	0	0	0	0	974	0	0	0		0 (
0	58 SWM CONVEYANCE 2015		12/31/2017	2,201	0	0	75	0	2,126	0	0	0		0 (
0	59 STORM WATER POND ASSESSMENT & CLEANING		12/31/2019	·	0	0	0	0	1.000	0	0	0		0
0	60 Ashbridges Bay Landforms		12/31/2018	,	0	0	0	0	7,208	0	0	0		0
0	73 STORM WATER POND ASSESSMENT & CLEANING-201	16 S(01/01/2016	12/31/2020	2,020	0	0	0	0	2,020	0	0	0		0
0	74 Ashbridges Bay Landforms-2016 SC	01/01/2016	12/31/2023	-7,158	0	0	0	0	-7,158	0	0	0		0
0	75 SWM CONVEYANCE 2015-2016 SC	01/01/2016	12/31/2017	1,711	0	0	240	0	1,471	0	0	0		0
0	76 SWM CONVEYANCE 2016	01/01/2016	12/31/2018	1,194	0	0	96	0	1,098	0	0	0		0
0	77 WWFMP IMPLEMENTATION - DESIGN-2016 SC	01/01/2016	12/31/2018	-408	0	0	-33	0	-375	0	0	0		0
0	78 SWM CONVEYANCE 2013-2016 SC	01/01/2016	12/31/2016	-292	0	0	-24	0	-268	0	0	0		0
0	79 SWM CONVEYANCE 2014-2016 SC	01/01/2016	12/31/2016	-304	0	0	55	0	-359	0	0	0		0 0
0	80 PUBLIC EDUCATION-2016 SC	01/01/2016	12/31/2017	50	0	0	4	0	46	0	0	0		0
		Project Suk	o-total:	11,265	0	0	660	0	10,605	0	0	0		0 (

Page 5 of 13

Report P2-1A



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Priority Project Project Name Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Completion Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam Dami Sam	Project/F	inancing		2016					Financ	ing				
SEWER ASSET PLANNING	Priority	Project Project Name		Cash Flow	Grants			Reserves		From	Other 1	Other 2	Debt	
	<u>0 WA</u>	S906495 SEWER ASSET PLANNING												
1	0	5 SEWER ASSET PLANNING	01/01/2007 12/31/2019	3,966	0	0	319	0	3,647	0	0	0		0 0
28 PPD - INFRASTRUCTURE PLANNING STUDIES-2016 SC 01/01/201612/31/2016	0	7 SEWER SYSTEM INSPECTION	01/01/201012/31/2021	13,213	0	0	0	0	13,213	0	0	0		0 0
1 1 2 2 2 2 2 2 2 2	0	21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014 12/31/2016	150	0	0	0	0	150	0	0	0		0 0
1 1 1 1 1 1 1 1 1 1	0	28 PPD - INFRASTRUCTURE PLANNING STUDIES-2016 SC	01/01/201612/31/2017	213	0	0	0	0	213	0	0	0		0 0
MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASSOCIAL MASS	0	29 SEWER SYSTEM INSPECTION-2016 SC	01/01/201612/31/2018	-4,764	0	0	0	0	-4,764	0	0	0		0 0
NEW SEWER CONSTRUCTION	0	30 SEWER ASSET PLANNING-2016 SC	01/01/201612/31/2020	355	0	0	29	0	326	0	0	0		0 0
0			Project Sub-total:	13,133	0	0	348	0	12,785	0	0	0		0 0
0 25 DOWNSVIEW LANDS EXTERNAL UPGRADES 01/01/20151231/2017 4.000 0 0 4.000 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906500 NEW SEWER CONSTRUCTION												
1 29 DOWNSVIEW LANDS EXTERNAL UPGRADES-2016 SC	0	5 NEW SEWERS	01/01/2008 12/31/2016	1,000	0	0	622	0	378	0	0	0		0 0
0 30 NEW SEWERS-2016 SC 01/01/201612/31/2017 -990 0 0 -616 0 -374 0 0 0 0 0 0 0 0 0	0	25 DOWNSVIEW LANDS EXTERNAL UPGRADES	01/01/2015 12/31/2017	4,000	0	0	4,000	0	0	0	0	0		0 0
Project Sub-total: 60 0 0 0 56 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	29 DOWNSVIEW LANDS EXTERNAL UPGRADES-2016 SC	01/01/201612/31/2019	-3,950	0	0	-3,950	0	0	0	0	0		0 0
NASSORIA NATURE RUILDING RENOVATION 01/01/2016 12/31/2018 2	0	30 NEW SEWERS-2016 SC	01/01/201612/31/2017	-990	0	0	-616	0	-374	0	0	0		0 0
0 11 YARDS & BUILDING RENOVATION 01/01/2016 12/31/2018 2 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	60	0	0	56	0	4	0	0	0		0 0
0 11 YARDS & BUILDING RENOVATION 01/01/2016 12/31/2018 2 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906501 YARD & BUILDING RENOVATION												
Project Sub-total: 2 0 0 0 0 2 0 0 0 0			01/01/201612/31/2018	2	0	0	0	0	2	0	0	0		0 0
0 10 GROUP 1 SEWAGE PUMPING STATION UPGRADES 01/01/200512/31/2016 12 0 0 1 0 11 0 0 1 0 0 0 0 0 0 0 0 0 1 7 GROUP 1 SEWAGE PUMPING STATION UPGRADES -2016 (01/01/201612/31/2017 -8 0 0 0 -1 0 0 -7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-			2	0	0		0						
0 17 GROUP 1 SEWAGE PUMPING STATION UPGRADES -2016 (31/01/2016 12/31/2017	<u>0</u> WA	S906735 DIST SEWER REHAB OPS YR2005												
Project Sub-total: 4 0 0 0 0 0 4 0 0 0	0	10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005 12/31/2016	12	0	0	1	0	11	0	0	0		0 0
0 1WAS THICKENING AND DEWATERING - ENG 01/01/200512/31/2017 115 0 0 9 0 106 0 0 0 0 0 0 0 0 0 18 WAS THICKENING AND DEWATERING - ENG-2016 SC 01/01/201612/31/2018 -108 0 0 -8 0 -100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	17 GROUP 1 SEWAGE PUMPING STATION UPGRADES -20	16 \(01/01/2016 12/31/2017 \)	-8	0	0	-1	0	-7	0	0	0		0 0
0 1 WAS THICKENING AND DEWATERING - ENG 01/01/200512/31/2017 115 0 0 9 0 106 0 0 0 0 0 0 0 0 0 0 0 0 18 WAS THICKENING AND DEWATERING - ENG-2016 SC 01/01/201612/31/2018 -108 0 0 -8 0 -100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	4	0	0	0	0	4	0	0	0		0 0
0 18 WAS THICKENING AND DEWATERING - ENG-2016 SC 01/01/2016 12/31/2018 -108 0 0 -8 0 -100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906741 HIGHLAND CREEK TP YR2005												
MAS906742 HUMBER TP YR2005 0 8 ODOUR CONTROL ENGINEERING 01/01/200812/31/2019 1,750 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1 WAS THICKENING AND DEWATERING - ENG	01/01/2005 12/31/2017	115	0	0	9	0	106	0	0	0		0 0
0 WAS906742 HUMBER TP YR2005 0 8 ODOUR CONTROL ENGINEERING 01/01/200812/31/2019 1,750 0 0 0 1,750 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	18 WAS THICKENING AND DEWATERING - ENG-2016 SC	01/01/201612/31/2018	-108	0	0	-8	0	-100	0	0	0		0 0
0 8 ODOUR CONTROL ENGINEERING 01/01/200812/31/2019 1,750 0 0 0 1,750 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	7	0	0	1	0	6	0	0	0		0 0
0 55 ODOUR CONTROL ENGINEERING-2016 SC 01/01/2016 12/31/2019 -511 0 0 0 0 -511 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906742 HUMBER TP YR2005												
Project Sub-total: 1,239 0 0 0 0 1,239 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			01/01/200812/31/2019	1,750	0	0	0	0	1,750	0	0	0		0 0
0 WAS906743 ASHRIDGES BAY TP YR2005 0 1 MISC MECH ENGINEERING 01/01/200512/31/2018 905 0 0 73 0 832 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			01/01/201612/31/2019			0	0	0	-511	0	0	0		0 0
0 1 MISC MECH ENGINEERING 01/01/2005 12/31/2018 905 0 0 73 0 832 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	1,239	0	0	0	0	1,239	0	0	0		0 0
0 1 MISC MECH ENGINEERING 01/01/2005 12/31/2018 905 0 0 73 0 832 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906743 ASHRIDGES BAY TP YR2005	•											
0 4 M & T RETROFIT 01/01/2005 12/31/2016 409 0 0 0 409 0 0 0 0	_		01/01/200512/31/2018	905	0	0	73	0	832	0	0	0		0 0
	-							0			0			
	-		01/01/200612/31/2018					0		0	0			



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/l	/Financing		2016					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</u> WA	AS906743 ASHRIDGES BAY TP YR2005												
0	56 M & T RETROFIT-2016 SC	01/01/2016 12/31/2016	-406	0	0	0	0	-406	0	0	0		0 0
0	57 MISC MECH ENGINEERING-2016 SC	01/01/201612/31/2019	-545	0	0	-44	0	-501	0	0	0		0 0
0	58 SERVICE AIR UPGRADES-2016 SC	01/01/201612/31/2019	-845	0	0	0	0	-845	0	0	0		0 0
		Project Sub-total:	1,918	0	0	29	0	1,889	0	0	0		0 0
0 WA	AS906755 WESTERN BEACHES RETROFIT												
0	1 WESTERN BEACHES RETROFIT	01/01/2005 12/31/2017	4,100	0	0	330	0	3,770	0	0	0		0 0
0	13 WESTERN BEACHES RETROFIT-2016 SC	01/01/2016 12/31/2021	-3,180	0	0	-256	0	-2,924	0	0	0		0 0
		Project Sub-total:	920	0	0	74	0	846	0	0	0		0 0
0 WA	AS906926 OPERATIONAL SUPPORT												
0	6 FACILITY RENOVATION	01/01/2006 12/31/2016	1,431	0	0	0	0	1,431	0	0	0		0 0
0	23 EMP MONITORING NEEDS	01/01/2010 12/31/2017	50	0	0	0	0	50	0	0	0		0 0
0	40 WWTP PLC PLATFORM UPGRADE	01/01/2013 12/31/2021	3,180	0	0	0	0	3,180	0	0	0		0 0
0	98 DESIGNATED SUBSTANCE ABATEMENT	01/01/2007 12/31/2016	100	0	0	0	0	100	0	0	0		0 0
0	100 DIVISIONAL SECURITY-2016 SC	01/01/2016 12/31/2017	925	0	0	0	0	925	0	0	0		0 0
0	101 FACILITY RENOVATION-2016 SC	01/01/2016 12/31/2018	69	0	0	0	0	69	0	0	0		0 0
0	102 PCS UPGRADES FOR WASTEWATER TRE	EATMENT-2016 S(01/01/201612/31/2021	-1,536	0	0	0	0	-1,536	0	0	0		0 0
0	103 NORTHLINE: BUILDING DEMO AND PAVIN	IG-2016 SC 01/01/2016 12/31/2016	300	0	0	0	0	300	0	0	0		0 0
		Project Sub-total:	4,519	0	0	0	0	4,519	0	0	0		0 0
0 WA	AS906958 SEWER SYSTEM REHABILITATION												
0	5 CCTV INSPECTION	01/01/2007 12/31/2016	1,200	0	0	0	0	1,200	0	0	0		0 0
0	8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008 12/31/2017	713	0	0	57	0	656	0	0	0		0 0
0	9 SEWER REHABILITATION	01/01/2008 12/31/2018	31,120	0	0	0	0	31,120	0	0	0		0 0
0	23 SEWAGE PUMPING STATION STANDBY P	OWER 01/01/2009 12/31/2016	252	0	0	20	0	232	0	0	0		0 0
0	24 GROUP 5 SEWAGE PUMPING STATION U	PGRADES 01/01/2013 12/31/2021	4,250	0	0	342	0	3,908	0	0	0		0 0
0	74 GROUPS 2, 3 & 4 SEWAGE PS UPGRADE	S-2016 SC 01/01/2016 12/31/2016	6	0	0	1	0	5	0	0	0		0 0
0	75 GROUP 5 SEWAGE PUMPING STATION U	PGRADES-2016 S01/01/201612/31/2020	-1,637	0	0	-132	0	-1,505	0	0	0		0 0
0	76 SEWAGE PUMPING STATION STANDBY P	OWER-2016 SC 01/01/201612/31/2017	-199	0	0	-16	0	-183	0	0	0		0 0
0	78 SEWER REHABILITATION-2016 SC	01/01/201612/31/2018	4,518	0	0	0	0	4,518	0	0	0		0 0
0	79 SEWER REHABILITATION - CWD	01/01/2016 12/31/2018	20,250	0	0	1,607	0	18,643	0	0	0		0 0
0	80 CCTV INSPECTION-2016 SC	01/01/201612/31/2016	75	0	0	0	0	75	0	0	0		0 0
		Project Sub-total:	60,548	0	0	1,879	0	58,669	0	0	0		0 0
<u>0</u> WA	AS906960 STREAM RESTORATION & EROSION (CONTROL				·							
0	7 STREAM RESTORATION	01/01/200812/31/2020	10,895	0	0	877	0	10,018	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Proje	ct/Financing	[2016					Financ	ing				
Priori	ity 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>	WAS906960 STREAM RESTORATION & EROSION CONTROL												
0	38 HIGHLAND CREEK STREAM RESTORATION-2016 SC	01/01/201612/31/2017	20	0	0	2	0	18	0	0	0	C	0
0	39 STREAM RESTORATION - PHASE 2	01/01/201612/31/2025	950	0	0	76	0	874	0	0	0	C	0
0	40 STREAM RESTORATION -2016 SC	01/01/201612/31/2021	-5,421	0	0	-437	0	-4,984	0	0	0	C	0
		Project Sub-total:	6,444	0	0	518	0	5,926	0	0	0	C	0
<u>o</u>	WAS906966 SWM TRCA FUNDING	Ī											
0	22 TORONTO WATER TRANSFER TO TRCA CAPITAL-2016	SC 01/01/201612/31/2016	4,171	0	0	336	0	3,835	0	0	0	C	0
		Project Sub-total:	4,171	0	0	336	0	3,835	0	0	0	C	0
<u>o</u>	WAS906968 ENGINEERING												
0	2 CONSULTING FEES	01/01/2006 12/31/2021	8,056	0	0	0	0	8,056	0	0	0	C	0
0	59 ROAD RESTORATION	01/01/2006 12/31/2016	1,249	0	0	0	0	1,249	0	0	0	C	0
0	61 CONSULTING FEES-2016 SC	01/01/201612/31/2021	-2,299	0	0	0	0	-2,299	0	0	0	C	0
0	62 ECS SALARIES-2016 SC	01/01/2016 12/31/2016	13,081	0	0	0	0	13,081	0	0	0	C	0
0	63 ROAD RESTORATION-2016 SC	01/01/201612/31/2017	20	0	0	0	0	20	0	0	0	C	0
		Project Sub-total:	20,107	0	0	0	0	20,107	0	0	0	C	0
<u>o</u> <u>v</u>	WAS906973 SEWER REPLACEMENT PROGRAM	Ī											
0	24 SEWAGE FORCEMAIN REPLACEMENT	01/01/201212/31/2017	1,505	0	0	0	0	1,505	0	0	0	C	0
0	25 SEWER REPLACEMENT 2012	01/01/201212/31/2016	1,279	0	0	0	0	1,279	0	0	0	C	0
0	35 SEWER REPLACMENT - 2013 PROGRAM	01/01/201312/31/2016	517	0	0	42	0	475	0	0	0	C	0
0	36 SEWER REPLC - 2014 PROGRAM	01/01/2014 12/31/2016	2,104	0	0	0	0	2,104	0	0	0	C	0
0	44 COXWELL EMERGENCY TRUNK REPAIR	01/01/200912/31/2016	54	0	0	0	0	54	0	0	0	C	0
0	52 SEWER REPLACEMENT - METROLINX	01/01/2014 12/31/2019	57	0	0	0	0	57	0	0	0	C	0
0	62 SEWER REPLC - 2015 PROGRAM	01/01/2015 12/31/2017	7,331	0	0	590	0	6,741	0	0	0	C	0
0	70 FORCEMAIN REPLACEMENT-2016 SC	01/01/2016 12/31/2016	-1,500	0	0	0	0	-1,500	0	0	0	C	0
0	71 SEWER REPLC - 2016 PROGRAM	01/01/2016 12/31/2018	7,447	0	0	600	0	6,847	0	0	0	C	0
0	72 COXWELL EMERGENCY TRUNK REPAIR-2016 SC	01/01/2016 12/31/2016	149	0	0	0	0	149	0	0	0	C	0
0	73 SEWER REPLC - 2014 PROGRAM-2016 SC	01/01/201612/31/2017	-1,898	0	0	0	0	-1,898	0	0	0	C	0
0	74 SEWER REPLC - 2015 PROGRAM-2016 SC	01/01/201612/31/2018	2,554	0	0	206	0	2,348	0	0	0	C	0
0	75 FORCEMAIN REPLACEMENT - 2016	01/01/201612/31/2021	2,100	0	0	0	0	2,100	0	0	0	C	0
0	76 2012 SEWER REPLC-2016 SC	01/01/201612/31/2017	-1,278	0	0	0	0	-1,278	0	0	0	C	0
0	77 2013 SEWER REPLC-2016 SC	01/01/2016 12/31/2016	-504	0	0	-41	0	-463	0	0	0	C	0
		Project Sub-total:	19,917	0	0	1,397	0	18,520	0	0	0	C	0
<u>o</u> <u>v</u>	WAS906980 ASHBRIDGES BAY T.P. YR2006												
0	9 DEWATERING EQUIPMENT UPGRADES	01/01/200612/31/2017	510	0	0	41	0	469	0	0	0	C	0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	inancing		2016					Financ	ing				
Priority F	· ·	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAS	S906980 ASHBRIDGES BAY T.P. YR2006												
0	40 DEWATERING EQUIPMENT UPGRADES-2016 SC	01/01/201612/31/2017	-213	0	0	-17	0	-196	0	0	0		0 0
		Project Sub-total:	297	0	0	24	0	273	0	0	0		0 0
0 WAS	8906981 HIGHLAND CREEK WWTP UPGRADES	-											
0	1 PROCESS & FACILITY UPGRADE	01/01/2006 12/31/2022	2,110	0	0	0	0	2,110	0	0	0		0 0
0	3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006 12/31/2020		0	0	1,487	0	16,903	0				0 0
0	5 TRANSFORMERS AND SWITCHGEAR	01/01/200612/31/2021	· ·	0	0	40	0	460	0				0 0
0	7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/200612/31/2017		0	0	0	0	1.578	0	0	0		0 0
0	8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011 12/31/2018		0	0	0	0	4,661	0	0	0		0 0
0	16 MECH SYSTEM UPGRADES - CONSTR	01/01/200812/31/2016	762	0	0	0	0	762	0	0	0		0 0
0	23 ELECTRICAL UPGRADES - ECAR	01/01/201212/31/2019	3,599	0	0	0	0	3,599	0	0	0		0 0
0	31 ELEC SYSTEM UPGRADES - CONSTR	01/01/200912/31/2016	1,383	0	0	0	0	1,383	0	0	0		0 0
0	32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/200912/31/2017	450	0	0	0	0	450	0	0	0		0 0
0	80 DIGESTER CLEANING, REHAB AND IMPROVEMENTS #	‡4-7 01/01/201412/31/2017	1,500	0	0	0	0	1,500	0	0	0		0 0
0	83 PLANT FIRM CAPACITY - CONCEPT DESIGN	01/01/201412/31/2016	25	0	0	0	0	25	0	0	0		0 0
0	90 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/201512/31/2017	150	0	0	0	0	150	0	0	0		0 0
0	91 PROCESS, EQUIPMENT, FACILITY UPGRADES	01/01/201512/31/2017	735	0	0	0	0	735	0	0	0		0 0
0	92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/201512/31/2019	2,650	0	0	0	0	2,650	0	0	0		0 0
0	101 AERATION SYSTEM AND ASSOCIATED BUILDING UPG	RAC01/01/201612/31/2021	100	0	0	0	0	100	0	0	0		0 0
0	102 LIQUID TRAIN - ENGINEERING	01/01/201512/31/2024	4,100	0	0	0	0	4,100	0	0	0		0 0
0	106 PROCESS & FACILITY UPGRADE-2016 SC	01/01/201612/31/2021	-462	0	0	0	0	-462	0	0	0		0 0
0	107 MECH & ELECTRICAL UPGRADE ENGINEERING-2016 S	SC 01/01/201612/31/2017	-1,386	0	0	0	0	-1,386	0	0	0		0 0
0	110 MECH SYSTEM UPGRADES - CONSTR-2016 SC	01/01/201612/31/2016	-762	0	0	0	0	-762	0	0	0		0 0
0	111 ELEC SYSTEM UPGRADES - CONSTR-2016 SC	01/01/201612/31/2017	-1,375	0	0	0	0	-1,375	0	0	0		0 0
0	112 DIGESTER CLEANING, REHAB&IMPROVEMENTS #4-7-	201(01/01/201612/31/2020	-1,363	0	0	0	0	-1,363	0	0	0		0 0
0	113 PROCESS IMPROVEMENTS (ROADMAP FOR RCM)-20°	16 S01/01/201612/31/2017	-100	0	0	0	0	-100	0	0	0		0 0
0	114 PROCESS, EQUIPMENT, FACILITY UPGRADES-2016 SC	01/01/201612/31/2017	-560	0	0	0	0	-560	0	0	0		0 0
0	115 PLANT FIRM CAPACITY - CONCEPT DESIGN-2016 SC	01/01/201612/31/2016	-25	0	0	0	0	-25	0	0	0		0 0
0	116 CEPA COMPLIANCE - CL NOTICE - HCTP-2016 SC	01/01/201612/31/2018	-425	0	0	0	0	-425	0	0	0		0 0
0	117 LIQUID TRAIN REPAIRS - PHASE 1-2016 SC	01/01/201612/31/2018	-610	0	0	0	0	-610	0	0	0		0 0
0	118 BIOSOLIDS TREATMENT UPGRADES -2016 SC	01/01/2016 12/31/2017	-7,938	0	0	-641	0	-7,297	0	0	0		0 0
0	121 ELECTRICAL UPGRADES - ECAR-2016 SC	01/01/2016 12/31/2020	-2,358	0	0	0	0	-2,358	0	0	0		0 0
0	122 LIQUID TRAIN - ENGINEERING-2016 SC	01/01/201612/31/2025	2	0	0	0	0	2	0	0	0		0 0
0	123 COMMUNICATION SYSTEM	01/01/2016 12/31/2021	200	0	0	0	0	200	0	0	0		0 0
		Project Sub-total:	25,531	0	0	886	0	24,645	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	inancing		2016					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</u> WA	S906982 HUMBER WWTP UPGRADES												
0	2 CHLORINE FACILITY UPGRADE	01/01/2006 12/31/2017	1,732	0	0	0	0	1,732	0	0	0		0 0
0	5 FLOOD PROTECTION	01/01/2016 12/31/2016	300	0	0	0	0	300	0	0	0		0 0
0	6 NEW SUBSTATION	01/01/2006 12/31/2017	793	0	0	0	0	793	0	0	0		0 0
0	7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDA	TI(01/01/200612/31/2019	1,168	0	0	0	0	1,168	0	0	0		0 0
0	8 NEW GROUNDSKEEPING BUILDING	01/01/200912/31/2016	227	0	0	0	0	227	0	0	0		0 0
0	29 ADMIN BUILDING EXPANSION	01/01/201012/31/2022	250	0	0	0	0	250	0	0	0		0 0
0	52 HVAC UPGRADES	01/01/201312/31/2019	4,684	0	0	0	0	4,684	0	0	0		0 0
0	75 HYDRAULIC ASSESSMENT	01/01/2016 12/31/2016	200	0	0	0	0	200	0	0	0		0 0
0	81 BLOWER REPLACEMENT	01/01/2016 12/31/2024	250	0	0	0	0	250	0	0	0		0 0
0	86 BUILDING UPGRADES ENGINEERING	01/01/2006 12/31/2017	60	0	0	0	0	60	0	0	0		0 0
0	90 ELEC CONDITION ASSESSMENT RECOMMENDATIONS-2	20 [.] 01/01/2016 12/31/2021	-318	0	0	0	0	-318	0	0	0		0 0
0	91 ADMIN BUILDING EXPANSION - ENGINEERING-2016 SC	01/01/2016 12/31/2022	50	0	0	0	0	50	0	0	0		0 0
0	92 BUILDING UPGRADES ENGINEERING-2016 SC	01/01/2016 12/31/2017	-51	0	0	0	0	-51	0	0	0		0 0
0	93 NEW GROUNDSKEEPING BUILDING-2016 SC	01/01/2016 12/31/2016	-227	0	0	0	0	-227	0	0	0		0 0
0	94 CHLORINE FACILITY UPGRADE-2016 SC	01/01/2016 12/31/2017	-793	0	0	0	0	-793	0	0	0		0 0
0	95 REPLACEMENT OF WASTE GAS BURNERS	01/01/2016 12/31/2018	6,200	0	0	0	0	6,200	0	0	0		0 0
0	96 HYDRAULIC ASSESSMENT-2016 SC	01/01/2016 12/31/2016	-200	0	0	0	0	-200	0	0	0		0 0
0	98 HVAC UPGRADES-2016 SC	01/01/2016 12/31/2019	-3,740	0	0	0	0	-3,740	0	0	0		0 0
0	99 WET WEATHER FLOW	01/01/2016 12/31/2019	400	0	0	0	0	400	0	0	0		0 0
0	100 FIELD OFFICE	01/01/2016 12/31/2016	375	0	0	0	0	375	0	0	0		0 0
		Project Sub-total:	11,360	0	0	0	0	11,360	0	0	0		0 0
<u>0</u> <u>WA</u>	S906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLIN	<u>IG</u>											
0	1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/201212/31/2023	3,100	0	0	249	0	2,851	0	0	0		0 0
0	3 WAS THICKENING AND DEWATERING CONSTR	01/01/2010 12/31/2016	2,245	0	0	181	0	2,064	0	0	0		0 0
0	15 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION-2016	S S01/01/201612/31/2020	-2,975	0	0	-239	0	-2,736	0	0	0		0 0
0	16 WAS THICKENING - CONSTR-2016 SC	01/01/2016 12/31/2017	-1,245	0	0	-100	0	-1,145	0	0	0		0 0
		Project Sub-total:	1,125	0	0	91	0	1,034	0	0	0		0 0
<u>0</u> WA	S907038 Land Acquisition for Source Water Protect												
0	14 TRCA - SCARBOROUGH WATERFRONT TRAIL EA	01/01/2016 12/31/2016	1,605	0	0	129	0	1,476	0	0	0		0 0
0	19 TRCA - CRITICAL EROSION SITES-2016 SC	01/01/2016 12/31/2016	7,000	0	0	563	0	6,437	0	0	0		0 0
		Project Sub-total:	8,605	0	0	692	0	7,913	0	0	0		0 0
<u>0</u> WA	S907097 ASHBRIDGES BAY WWTP - BUILDING SERVICES & S	SITE DE											
0	7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABATE	EN01/01/2007 12/31/2016	100	0	0	0	0	100	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/l	Financing		2016					Financ	ing				
Priority	Project Project Name	Start Date Comp Da		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WA	.S907097 ASHBRIDGES BAY WWTP - BUILDING SERVICES & SI	TE DE'											
0	19 CITY IMPROVEMENTS RE: TH COGEN	01/01/2009 12/31/	2020 900	0	0	0	0	900	0	0	0		0 0
0	21 BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEME	N01/01/2010 12/31/	2019 1,760	0	0	0	0	1,760	0	0	0		0 0
0	59 CITY IMPROVEMENTS RE: TH COGEN-2016 SC	01/01/2016 12/31/	2021 -750	0	0	0	0	-750	0	0	0		0 0
0	60 BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2016	\$01/01/2016 12/31/	2021 -1,110	0	0	0	0	-1,110	0	0	0		0 0
	F	Project Sub-total	900	0	0	0	0	900	0	0	0		0 0
0 WA	S907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM												
0	1 DISINFECTION ENGINEERING	01/01/2009 12/31/	2021 3,710	0	0	299	0	3,411	0	0	0		0 0
0	13 ABTP OUTFALL ASSESSMENT	01/01/2012 12/31/		0	0	82	0	938	0	0	0		0 0
0	14 OUTFALL ENGINEERING	01/01/2015 12/31/			0	563	0	6,437	0	0	0		0 0
0	23 OUTFALL ENGINEERING-2016 SC	01/01/2016 12/31/	2024 -1,000	0	0	-80	0	-920	0	0	0		0 0
0	25 OUTFALL ASSESSMENT-2016 SC	01/01/2016 12/31/	2017 -1,010	0	0	-81	0	-929	0	0	0		0 0
0	27 DISINFECTION ENGINEERING-2016 SC	01/01/2016 12/31/	2019 -2,210	0	0	-178	0	-2,032	0	0	0		0 0
	F	Project Sub-total	7,510	0	0	605	0	6,905	0	0	0		0 0
0 WA	.S907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	NDI IN		İ									
0	1 FINE BUBBLE AERATION - TANK #2	01/01/2009 12/31/	2016 2,370	0	0	192	0	2.178	0	0	0		0 0
0	3 PRIMARY TREATMENT UPGRADE CONT #1	01/01/2010 12/31/	· ·		0	2,173	0	24,827	0	0	0		0 0
0	6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014 12/31/	· ·		0	0	0	5,670	0	0	0		0 0
0	7 PRIMARY AND FINAL TANK UPGRADES	01/01/2012 12/31/	2016 595	0	0	48	0	547	0	0	0		0 0
0	10 INTEGRATED PUMPING STATION (IPS) - ENGINEERING	01/01/2011 12/31/	2024 10,117	0	0	0	0	10,117	0	0	0		0 0
0	12 WORK AREA 1 REHAB	01/01/2008 12/31/	2016 2	0	0	0	0	2	0	0	0		0 0
0	39 INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION	01/01/2012 12/31/	2024 1,000	0	0	0	0	1,000	0	0	0		0 0
0	64 INTEGRATED PUMPING STATION (IPS) - CONS-2016 SC	01/01/2016 12/31/	2025 -1,000	0	0	0	0	-1,000	0	0	0		0 0
0	65 INTEGRATED PUMPING STATION (IPS) - ENG-2016 SC	01/01/2016 12/31/	2023 -4,712	0	0	0	0	-4,712	0	0	0		0 0
0	66 M & T PUMPING STATION CRITICAL REPAIRS-2016 SC	01/01/2016 12/31/	2017 -2,521	0	0	0	0	-2,521	0	0	0		0 0
0	67 Primary and Final Tank Upgrades-2016 SC	01/01/2016 12/31/	2016 106	0	0	9	0	97	0	0	0		0 0
0	68 FINE BUBBLE AERATION - TANK #2-2016 SC	01/01/2016 12/31/	2017 -259	0	0	-21	0	-238	0	0	0		0 0
0	69 P BLDG HEADWORKS UPGRADE-2016 SC	01/01/2016 12/31/	2018 8,605	0	0	693	0	7,912	0	0	0		0 0
0	70 WORK AREA 1 REHAB-2016 SC	01/01/2016 12/31/	2017 4	0	0	0	0	4	0	0	0		0 0
	F	Project Sub-total	46,977	0	0	3,094	0	43,883	0	0	0		0 0
0 WA	.S907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	<u> </u>											
0	3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	- 01/01/2014 12/31/	2022 2,863	0	0	230	0	2,633	0	0	0		0 0
0	4 DIGESTERS 9-12 REFURBISHMENT	01/01/2011 12/31/			0	48	0	552	0	0	0		0 0
0	8 BIOSOLIDS PELLETIZER RETROFIT	01/01/201312/31/	2016 400	0	0	0	0	400	0	0	0		0 0



CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	inancing		2016					Financ	ing				
Priority F	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 WAS	S907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	<u>3</u>											
0	25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/201412/31/2018	725	0	0	0	0	725	0	0	0		0 0
0	40 PELLETIZER TRUCK LOADING FACILITY UPGRADES-2010	6 01/01/201612/31/2019	-625	0	0	0	0	-625	0	0	0		0 0
0	43 WASTE ACTIVATED SLUDGE UPGRADE - ENG-2016 SC	01/01/201612/31/2023	37	0	0	3	0	34	0	0	0		0 0
0	44 DIGESTERS 9-12 REFURBISH-2016 SC	01/01/201612/31/2021	2,400	0	0	193	0	2,207	0	0	0		0 0
	·	Project Sub-total:	6,400	0	0	474	0	5,926	0	0	0		0 0
0 WAS	S907101 ASHBRIDGES BAY WWTP - O&M UPGRADES												
0	5 BOILER #4 DESIGN	01/01/201012/31/2016	57	0	0	0	0	57	0	0	0		0 0
0	6 MESI UPGRADES	01/01/201212/31/2017	3,100	0	0	0	0	3,100	0	0	0		0 0
0	7 MISC MECH REHAB	01/01/201012/31/2017	8,401	0	0	0	0	8,401	0	0	0		0 0
0	29 MISC MECH REHAB-2016 SC	01/01/201612/31/2018	-1,901	0	0	0	0	-1,901	0	0	0		0 0
0	30 MESI UPGRADES-2016 SC	01/01/201612/31/2019	-202	0	0	0	0	-202	0	0	0		0 0
0	31 BOILER #4 DESIGN-2016 SC	01/01/201612/31/2018	-37	0	0	0	0	-37	0	0	0		0 0
	ı	Project Sub-total:	9,418	0	0	0	0	9,418	0	0	0		0 0
0 WAS	S907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL	•											
0	6 BIOFILTERS UPGRADE	01/01/201212/31/2018	11,542	0	0	929	0	10,613	0	0	0		0 0
0	13 D BUILDING TREATMENT & BIOFILTER	01/01/200912/31/2016	1,145	0	0	92	0	1,053	0	0	0		0 0
0	36 BIOFILTERS UPGRADE & REPLACEMENT-2016 SC	01/01/201612/31/2017	-2,478	0	0	-200	0	-2,278	0	0	0		0 0
0	37 D BUILDING TREATMENT & BIOFILTER-2016 SC	01/01/201612/31/2017	-1,045	0	0	-84	0	-961	0	0	0		0 0
	ŀ	Project Sub-total:	9,164	0	0	737	0	8,427	0	0	0		0 0
0 WAS	S907104 HUMBER WWTP - LIQUID TREATMENT & HANDLING												
0	2 SECONDARY TREATMENT UPGRADES	01/01/200912/31/2023	6,134	0	0	494	0	5,640	0	0	0		0 0
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/201512/31/2021	20,000	0	0	1,610	0	18,390	0	0	0		0 0
0	22 SECONDARY TREATMENT UPGRADES SOUTH CONS-20°	1601/01/201612/31/2021	-15,000	0	0	-1,207	0	-13,793	0	0	0		0 0
0	23 SECONDARY TREATMENT UPGRADES - SOUTH - ENG-20	0101/01/201612/31/2023	-1,551	0	0	-125	0	-1,426	0	0	0		0 0
	I	Project Sub-total:	9,583	0	0	772	0	8,811	0	0	0		0 0
0 WAS	S907105 HUMBER WWTP - O&M UPGRADES												
0	1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/200812/31/2017	7,184	0	0	0	0	7,184	0	0	0		0 0
0	29 GAS COMPRESSOR SYSTEM UPGRADES-2016 SC	01/01/201612/31/2017	779	0	0	0	0	779	0	0	0		0 0
0	30 LIQUID STREAM UPGRADES-2016 SC	01/01/201612/31/2017	50	0	0	4	0	46	0	0	0		0 0
	I	Project Sub-total:	8,013	0	0	4	0	8,009	0	0	0		0 0
<u>0</u> WAS	S907106 HUMBER WWTP - ODOUR CONTROL												
0	1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/201312/31/2017	13,508	0	0	1,087	0	12,421	0	0	0		0 0

(Phase 2) 11-Wastewater Program

CITY OF TORONTO

Appendix 5: 2016 Recommended Capital Budget with Financing Detail

Project/F	inancina		2016					Financ	ina				
Priority F		Start Date Completion			Federal	Developmt	Reserves	Reserve Funds	Capital	Other 1	Other 2	Debt	Debt -
	· ·	Date		Grants Subsidies	Subsidy	Charges		runas	From Current				Recoverable
0 WAS	S907106 HUMBER WWTP - ODOUR CONTROL												
0	12 ODOUR CONTROL IMPLEMENTATION - PHASE 1 - 2016 S	C01/01/2016 12/31/201	-1,758	0	0	-141	0	-1,617	0	0	0		0 0
	ı	Project Sub-total:	11,750	0	0	946	0	10,804	0	0	0		0 0
0 WAS	S907224 SEWAGE PUMPING STATION UPGRADES												
0	1 SPS UPGRADES	01/01/2011 12/31/201	3,729	0	0	300	0	3,429	0	0	0		0 0
0	2 SCOTT STREET PS UPGRADES	01/01/2010 12/31/201	64	0	0	5	0	59	0	0	0		0 0
0	4 SUNNYSIDE AND MARYPORT SPS UPGRADES	01/01/2012 12/31/201	1,479	0	0	0	0	1,479	0	0	0		0 0
0	18 SPS UPGRADES - GROUP 6 & 7	01/01/2016 12/31/202	190	0	0	15	0	175	0	0	0		0 0
0	27 SCOTT ST PS -2016 SC	01/01/2016 12/31/201	-62	0	0	-5	0	-57	0	0	0		0 0
0	28 SPS UPGRADES-2016 SC	01/01/2016 12/31/201	-449	0	0	-36	0	-413	0	0	0		0 0
	1	Project Sub-total:	4,951	0	0	279	0	4,672	0	0	0		0 0
0 WAS	S907559 DON & WATERFRONT TRUNK CSO												
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2013 12/31/202	12,601	0	0	1,014	0	11,587	0	0	0		0 0
0	13 Don&Waterfront Trunk/CSO Design PH1-2016 SC	01/01/2016 12/31/202	-2,915	0	0	-235	0	-2,680	0	0	0		0 0
	1	Project Sub-total:	9,686	0	0	779	0	8,907	0	0	0		0 0
0 WAS	S907700 NORTH TORONTO WTP UPGRADES												
0	2 NTTP-ELECTRICAL UPGRADES	01/01/2012 12/31/201	752	0	0	0	0	752	0	0	0		0 0
0	9 NTTP - ELECTRICAL UPGRADES - ECAR-2016 SC	01/01/2016 12/31/201	-545	0	0	0	0	-545	0	0	0		0 0
	1	Project Sub-total:	207	0	0	0	0	207	0	0	0		0 0
0 WAS	S908143 Georgetown South City Infrastructure Upgrades	•											
0	6 GEORGETOWN SOUTH CITY INFRA UPGRADES - FUTUR	F01/01/201612/31/201	5,680	0	0	0	0	5,680	0	0	0		0 0
· ·		Project Sub-total:	5,680	0	0	0	0	5,680	0	0			0 0
0 14/40		rojoot oub totun	0,000					0,000					
0 <u>WAS</u> 0	SWP003 EMERY CREEK POND 1 EMERY CREEK POND	04/04/000540/04/004	4.040	0	0	205	0	4.545	0	0	0		0 0
0	14 EMERY CREEK POND-2016 SC	01/01/2005 12/31/201		0	0	395 508	0	4,515	0	0	0		0 0
U			,	0	0	903	0	5,799	0	0	0		$\frac{0}{0}$
		Project Sub-total:	11,217	<u> </u>		903		10,314		0			0 0
	SWP050 EQUIPMENT REPLACEMENT & REHABILITATION												
0	117 REHAB OF SOUTH PRIMARY CLARIFIERS	01/01/2005 12/31/201		0	0	0	0	188	0	0	0		0 0
0	129 EQUIPMENT REPLACEMENT-2016 SC	01/01/2016 12/31/202		0	0	0	0	-3,900	0	0	0		0 0
0	130 REHAB OF SOUTH PRIMARY CLARIFIERS-2016 SC	01/01/2016 12/31/201			0	0	0	-158	0	0	0		0 0
0	131 MTI CHAMBER UPGRADES AND PCS-2016 SC	01/01/2016 12/31/201	118	0	0	0	0	118	0	0	0		0 0

Nov-02-2015 16:30:18

(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: 2016 Recommended Capital Budget with Financing Detail

Wastewater Program Sub-Project Summary

Project/Financing		2016					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 WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION												
1 78 North Primaries Pumping Equipment	01/01/201212/31/2020	4,670	0	0	0	0	4,670	0	0	0		0 0
	Project Sub-total:	918	0	0	0	0	918	0	0	0		0 0
Program Total:		496,882	0	0	18,456	0	478,426	0	0	0		0 0

Status Code Description

S2 Prior Year (With 2016 and\or Future Year Cashflow) S2

S3 S3 Prior Year - Change of Scope 2016 and\or Future Year Cost\Cashflow)

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

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 04

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

Appendix 6

Reserve / Reserve Fund Review

Table 11: Reserve / Reserve Fund – Program Specific (\$000s)

Tal	ble 1						Pr	oposed Withdr	awals				
Reserve / Reserve Fund Name	Project / SubProject Name	Projected Balance as at Dec. 31, 2015*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total Contributions / Withdrawals
	Beginning Balance	\$69,332	\$79,772	\$85,368	\$86,430	\$84,134	\$82,499	\$84,958	\$82,971	\$78,764	\$73,447	\$69,972	
Water DC Reserve Fund	HORGAN W.T.P. EXPANSION		(\$36)										(\$36)
	WATER EFFICIENCY PROGRAM		(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$520)	(\$5,200)
XR2111 DC - Water (2009)	ENGINEERING STUDIES		(\$37)	, ,	, i i	, ,	, i	,	, i		, i	, , ,	(\$37)
	WATER STORAGE EXPANSION AVENUE ROAD TRUNKMAIN		(\$55)	(\$11)									(\$66)
	REPLACEMENT		(\$567)										(\$567)
	HORGAN TRUNK MAIN												(4.0.00)
	EXPANSION DO DO DO DO DO DO DO DO DO DO DO DO DO		(0.00)	(\$19)	(\$228)	(\$266)	(\$551)	(\$4,031)	(\$4,024)	(\$721)	(\$236)	(\$8)	(\$10,084)
	ISLAND W.T.P. R&R DOWNTOWN W/M		(\$122)	(\$487)	(\$450)	(\$152)	(\$213)	(\$91)					(\$1,515)
	ENHANCEMENT		(\$141)	(\$1,057)									(\$1,198)
	TRANSMISSION R&R		(+)	(4.100.)									(+=/===)
	HARRIS W.T.P. R&R												
	RL CLARK W.T.P. R&R		(\$528)	(\$1,339)	(\$772)	(\$90)	(\$4)						(\$2,733)
	ISLAND W.T.P. R&R		(\$6)										(\$6)
	D2/D4 TRUNK WATERMAIN UPGRADES						(\$144)	(\$289)	(\$2,694)	(\$9,908)	(\$8,465)	(\$5,915)	(\$27,415)
	TRUNK WATERMAIN EXPANSION		(\$311)	(\$1,726)	(\$5,965)	(\$5,832)	(\$1,447)						(\$15,281)
	WATER SUSTAINABILITY PROGRAM		(\$650)	(\$1,199)	(\$262)	(\$310)	(\$109)	(\$1)					(\$2,531)
	BAYVIEW TRUNK WATERMAIN - PH2				(\$249)	(\$62)	(\$249)	(\$2,489)	(\$2,489)				(\$5,538)
	WT&S PLANTWIDE		(\$12)	(\$36)	(\$276)	(\$492)	(\$300)	(\$318)	(\$390)	(\$720)	(\$1,356)	(\$1,854)	(\$5,754)
	DISTRICT WATERMAINS - NEW		(\$50)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$4,550)
	PW ENGINEERING		(\$477)	(\$999)	(\$648)	(\$411)	(\$450)	(\$375)	(\$350)	(\$225)	(\$225)	(\$225)	(\$4,385)
	DIST W/M REPLACEMENT		(\$12,897)	(\$16,028)	(\$17,038)	(\$18,541)	(\$19,537)	(\$20,097)	(\$20,159)	(\$20,221)	(\$20,221)	(\$20,532)	
	REGENT PARK CAPITAL CONTRIBUTION		(\$2,356)	(\$596)	(\$1,391)	(\$812)	(\$44)	(\$71)	(\$40)				(\$5,310)
	Total Proposed Withdrawals	(\$9,810)	(\$18,765)	(\$24,517)	(\$28,299)	(\$27,988)	(\$24,068)	(\$28,782)	(\$31,166)	(\$32,815)	(\$31,523)	(\$29,554)	(\$277,477)
	Projected Contributions	\$20,250	\$24,361	\$25,579	\$26,003	\$26,353	\$26,527	\$26,795	\$26,959	\$27,498	\$28,048	\$28,048	\$266,171
TOTAL RESERVE FUND BALAN	CE AT YEAR-END	\$79,772	\$85,368	\$86,430	\$84,134	\$82,499	\$84,958	\$82,971	\$78,764	\$73,447	\$69,972	\$68,466	

^{*} Based on 3rd Quarter Variance Report

Table 11: Reserve / Reserve Fund – Program Specific -Continued (\$000s)

Table 2		Proposed Withdrawals											
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Projected Balance as at Dec. 31, 2014*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total Contributions / Withdrawals
Sanitary Sewer DC Reserve	Beginning Balance ASHBRIDGES BAY T.P III	\$65,766	\$56,501	\$52,646	\$42,506	\$28,831	\$18,871	\$19,315	\$16,686	\$20,379	\$24,468	\$25,837	
Fund	YR2004		(\$13)	(\$2)									(\$15)
rana	ASHBRIDGES BAY T.P. YR2006		(\$24)	(\$100)									(\$124)
XR2026 DC - Sewer (2004)			(\$2.1)	(\$100)									(\$124)
	EFFLUENT SYSTEM		(\$605)	(\$4,158)	(\$4,853)	(\$6,878)	(\$6,411)	(\$4,437)	(\$2,623)	(\$1,319)	(\$22)		(\$31,306)
XR2112 DC - Sewer (2009)	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING ASHBRIDGES BAY WWTP - ODOUR CONTROL		(\$3,094 <u>)</u> (\$737)	(\$2,054) (\$663)	(\$550) (\$10)	(\$7)	(\$37)	(\$370)	(\$744)	(\$777)	(\$2,036)	(\$2,776)	(\$12,445)
	ASHBRIDGES BAY WWTP-		(\$151)	(\$000)	(\$10)								(\$1,410)
	SOLIDS & GAS HANDLING		(\$474)	(\$1,243)	(\$1,760)	(\$1,844)	(\$773)	(\$728)	(\$564)	(\$22)			(\$7,408)
	ASHBRIDGES BAY WWTP												
	REHAB		(\$360)	(\$539)	(\$543)	(\$502)	(\$4)						(\$1,948)
	ASHRIDGES BAY TP YR2005 DIST SEWER REHAB OPS		(\$29)	(\$49)	(\$67)	(\$7)							(\$152)
	YR2005												
	CSO		(\$779)	(\$571)	(\$430)	(\$1,268)	(\$2,120)	(\$2.120)	(\$2,426)	(\$4,249)	(\$3,020)	(\$4,462)	(\$21,445)
	HIGHLAND CREEK T.P IV YR2004		(\$1.10)	(4011)	(\$100)	(\$1,200)	(\$2,125)	(\$2,120)	(\$2,120)	(\$1,210)	(\$0,020)	(ψ1,102)	(\$21,440)
	HIGHLAND CREEK TP Y R2005		(\$1)	(\$2)									(\$3)
	ODOUR CONTROL		(\$1,530)	(\$1,288)	(\$1,289)	(\$493)	(\$23)	(\$37)	(\$241)	(\$419)	(\$391)	(\$198)	(\$5,909)
	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		(\$91)	(\$304)	(\$386)	(\$1,610)	(\$1,904)	(\$1,753)	(\$20)	(\$20)			(\$6,088)
	HIGHLAND CREEK WWTP												
	UPGRADES		(\$886)	(\$1,008)	(\$50)	(\$10)	(\$6)						(\$1,960)
	HUMBER T.P II YR2004 HUMBER WWTP - LIQUID		(\$1)										(\$1)
	TREATMENT & HANDLING		(\$772)	(\$3,887)	(\$3,893)	(\$3,891)	(\$3.891)	(\$3.837)	(\$62)	(\$217)	(\$481)	(\$1,295)	(\$22,226)
	HUMBER WWTP - O&M		(+)	(\$0,00.7)	(\$0,000)	(40,001)	(40,00.7)	(\$0,00.7	(40-)	(4=11)	(4.5.7)	(+1,===)	(4==,===)
	UPGRADES		(\$4)	(\$25)									(\$29)
	HUMBER WWTP - ODOUR CONTROL		(\$946)	(\$272)									(\$1,218)
	LAWRENCE ALLAN REVITALIZATION PLAN		(\$7,913)	(\$6,765)	(\$13,272)	(\$5,506)							(\$33,456)
	NEW SEWER CONSTRUCTION SEWAGE PUMPING STATION		(\$56)	(\$1,761)	(\$2,286)	(\$4,786)	(\$286)	(\$4,286)	(\$4,286)	(\$4,286)	(\$4,286)	(\$4,286)	(\$30,605)
	UPGRADES		(\$279)	(\$100)	(\$270)	(\$542)	(\$681)	(\$830)	(\$664)	(\$332)	(\$246)	(\$4)	(\$3,948)
	SEWER ASSET PLANNING SEWER REPLACEMENT		(\$348)	(\$382)	(\$404)	(\$403)	(\$206)	(\$185)	(\$185)	(\$185)	(\$185)	(\$185)	(\$2,668)
	PROGRAM		(\$1,397)	(\$1,455)	(\$1,497)	(\$1,296)	(\$1,481)	(\$1,666)	(\$1,666)	(\$1,666)	(\$1,666)	(\$1,666)	(\$15,456)
	SEWER SYSTEM		(1.7.0.7	(1.7.00)	(1.7.51)	(. ,)	,,,,,,	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(. /200)	(. ,,,,,,,,	(. ,000)	(. ,)	,, ,,,,,,,
	REHABILITATION		(\$1,879)	(\$2,794)	(\$1,717)	(\$496)	(\$155)	(\$2)					
	TRUNK SEWER SYSTEM					(\$286)	(\$1,574)	(\$2,576)	(\$3,148)	(\$3,148)	(\$7,441)	(\$7,441)	(\$25,614)
	Total Proposed Withdrawals	(\$22,493)	(\$22,218)	(\$29,422)	(\$33,277)	(\$29,825)	(\$19,552)	(\$22,827)	(\$16,629)	(\$16,640)	(\$19,774)	(\$22,313)	(\$232,477)
	Projected Contributions	\$13,228	\$18,363	\$19,282	\$19,602	\$19,865	\$19,996	\$20,198	\$20,322	\$20,729	\$21,143	\$21,143	\$200,643
TOTAL RESERVE FUND BALAN	CE AT YEAR-END	\$56,501	\$52,646	\$42,506	\$28,831	\$18,871	\$19,315	\$16,686	\$20,379	\$24,468	\$25,837	\$24,667	

^{*} Based on 3rd Quarter Variance Report

Table 3		Desired	Proposed Withdrawals											
Reserve / Reserve Fund Name	e Fund Project / SubProject Name and Number	Projected Balance as at Dec. 31, 2015*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total Contributions / Withdrawals	
Storm Water Management DC Reserve Fund	Beginning Balance	\$20,311	\$12,400	\$13,148	\$14,714	\$16,458	\$18,619	\$21,725	\$24,961	\$27,084	\$26,810	\$24,185		
	EMERY CREEK POND		(\$903)	(\$466)	(\$4)								(\$1,373)	
	LAND ACQUISITION FOR SOURCE WATER PROTECT		(\$692)	(\$648)	(\$641)	(\$761)	(\$761)	(\$761)	(\$761)	(\$881)	(\$881)	(\$881)	(\$7,668)	
	STREAM RESTORATION & EROSION CONTROL		(\$518)	(\$851)	(\$983)	(\$928)	(\$378)	(\$181)	(\$789)	(\$1,280)	(\$1,222)	(\$1,263)	(\$8,393)	
XR2113 DC - SWM (2009)	SWM TRCA FUNDING		(\$336)	(\$344)	(\$353)	(\$361)	(\$371)	(\$380)	(\$389)	(\$399)	(\$409)	(\$419)	(\$3,761)	
XR2404 DC - SWM (2004)	SWM END OF PIPE FACILITIES		(\$968)	(\$322)	(\$598)	(\$461)	(\$163)	(\$268)	(\$579)	(\$2,463)	(\$5,215)	(\$6,169)	(\$17,206)	
	WESTERN BEACHES RETROFIT		(\$74)	(\$263)	(\$249)	(\$85)	(\$1)	(\$7)					(\$679)	
	WET WEATHER FLOW MP		(\$660)	(\$684)	(\$657)	(\$543)	(\$555)	(\$555)	(\$781)	(\$781)	(\$539)	(\$539)	(\$6,294)	
	Total Proposed Withdrawals	(\$11,440)	(\$4,151)	(\$3,578)	(\$3,485)	(\$3,139)	(\$2,229)	(\$2,152)	(\$3,299)	(\$5,804)	(\$8,266)	(\$9,271)	(\$45,374)	
	Projected Contributions	\$3,529	\$4,899	\$5,144	\$5,229	\$5,300	\$5,335	\$5,388	\$5,422	\$5,530	\$5,641	\$5,641	\$53,529	
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$12,400	\$13,148	\$14,714	\$16,458	\$18,619	\$21,725	\$24,961	\$27,084	\$26,810	\$24,185	\$20,555		

^{*} Based on 3rd Quarter Variance Report