



# Toronto 2015 BUDGET

## CAPITAL PROGRAM SUMMARY



### Highlights

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## Toronto Water

### 2015 – 2024 CAPITAL BUDGET AND PLAN OVERVIEW

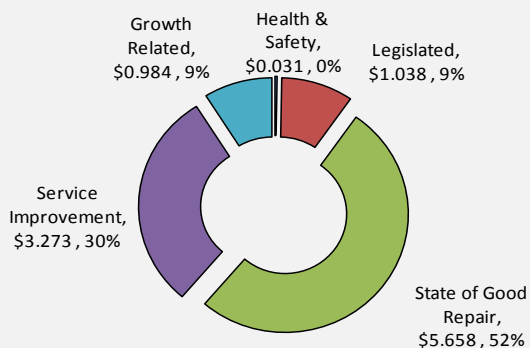
Toronto Water is responsible for water treatment and supply; wastewater collection and treatment; and stormwater management across the City. It services 3.4 million residents and businesses in Toronto and portions of York and Peel Region.

The estimated replacement value of Toronto Water's inventory of capital assets is \$28.256 billion. Toronto Water maintains two categories of capital assets, linear infrastructure, such as distribution (5,501 km) and transmission (549 km) watermains, sanitary (3,935 km), combined (1,524 km) and storm (4,969 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.

While the State of Good Repair (SOGR) projects remain a priority given the significant backlog in infrastructure renewal, considerable funding is added in the 2015-2024 Capital Budget and Plan to increase investments in the underfunded Basement Flooding Protection and Wet Weather Flow Master Plan projects.

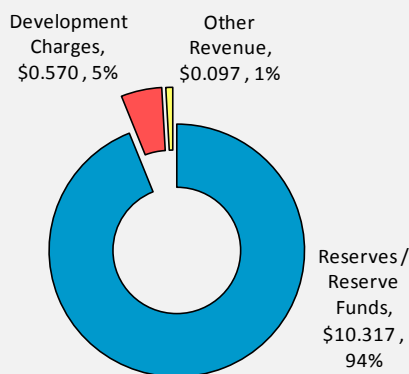
### Capital Spending and Financing

2015-2024 Capital Budget and Plan by Expenditures Category (\$Billions)



\$10.984 Billion

2015-2024 Capital Budget and Plan by Funding Source (Billions)



\$10.984 billion

### Where does the money go?

The 2015–2024 Capital Budget and Plan totals \$10.984 billion and provides funding for:

- Approximately \$6.726 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 Capital Plan.
- The remaining funding totalling \$4.258 billion or 39% is for Service Improvement and Growth Related projects. The most significant undertakings are Basement Flooding Protection Program to reduce the risk of future flooding from extreme storm events (\$1.547 billion) and Wet Weather Flow Master Plan to improve water quality and city's environments (\$1.0 billion).

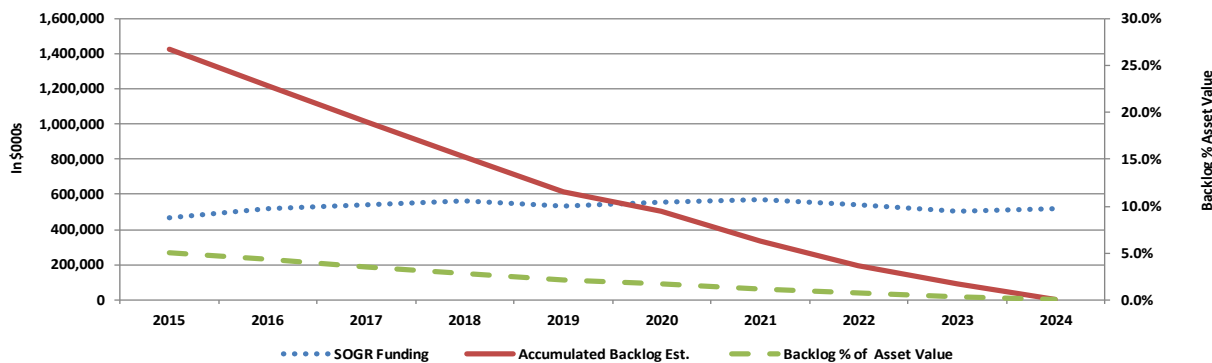
### Where does the money come from?

The 10-year Capital Plan is funded primarily from the Program’s capital reserves, which account for approximately 94% of financing sources or \$10.317 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.

### State of Good Repair Backlog

The 10-Year Capital Plan's spending on State of Good Repair of \$5.658 billion will eliminate the backlog from 5.8% as a percentage of asset value to 0% by 2024 (2013 estimate).



## Key Challenges and Priority Actions

**Aging Infrastructure** – Capital renewal backlog is estimated at \$1.641 billion (2013 estimates).

- ✓ The 10-Year Capital Plan funding of \$5.658 billion for SOGR will eliminate accumulated backlog.

**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 \$198.3 million for a design and construction of a new effluent disinfection system at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.

### Extreme Weather Events - Significant Long-Term Unfunded Pressures

Approximately \$766 million in unfunded capital pressures over the 10-year planning horizon (with another \$1.87 billion post 2023) has been identified, most notably to manage basement flooding across the City, which is being caused by more frequent severe storms.

- ✓ The 10-Year Capital Plan includes an added \$654.572 million for Basement Flooding and Wet Weather Flow projects that will help City's resiliency to extreme weather events, made possible by water rates.

**Long-term Financial Sustainability** - The 10-Year Capital Plan relies primarily on successive water rate increases, based on the 2014 Council's direction to reflect a water rate increase of 8% in the years 2015, 2016 and 2017 for planning purposes.

- ✓ In addition to water rate increases of 8% in the years 2015 and 2016 and 5% in 2017 and 2018, a report titled "*Stormwater Charge as a Funding Option for Investing in Toronto Water Infrastructure*" will be presented for consideration in early 2015 to support Toronto Water's financial sustainability for stormwater management projects.

## 2015 Capital Budget Highlights

The 2015 Capital Budget provides funding of \$782.403 (including carry forward funding) million to:

- ✓ Continue state of good repair projects to address infrastructure renewal such as District Watermain Replacement and Rehabilitation (\$126.861 million), Sewer System Replacement and Rehabilitation (\$57.282 million) and Reservoir and Pumping Station (\$12.159 million);
- ✓ Continue the Basement Flooding Protection projects (\$62.965 million), implementation of the Wet Weather Flow Master Plan (\$47.918 million), and Erosion Control projects (\$12.569 million)
- ✓ Begin the R.C Harris Water Treatment Plant's Rehabilitation of the Settling Basin Roof (\$25.0 million).



## Council Approved Budget

City Council approved the following recommendations:

1. City Council approve the 2015 Capital Budget for Toronto Water with a total project cost of \$1.123 billion, and 2015 cash flow of \$785.243 million and future year commitments of \$2.983 billion comprised of the following:
  - a) New Cash Flow Funds for:
    - i. 286 new / change in scope sub-projects with a 2015 total project cost of \$1.123 billion that requires cash flow of \$45.611 million in 2015 and increases in future year cash flow commitments of \$218.605 million in 2016; \$227.416 million for 2017; \$173.716 million for 2018; \$111.014 million for 2019; \$129.441 million for 2020; \$119.762 million for 2021; \$29.548 million for 2022; \$28.368 million for 2023 and \$39.930 million for 2024.
    - ii. 219 previously approved sub-projects with a 2015 cash flow of \$683.650 million; and future years cash flow commitments of \$630.161 million in 2016; \$527.741 million for 2017; \$294.364 million for 2018; \$186.100 million for 2019; \$91.861 million for 2020; \$65.631 million for 2021; \$56.959 million for 2022; and \$52.152 million for 2023; and
2. 2014 approved cash flow for 122 previously approved sub-projects with carry forward funding from 2014 into 2015 totalling \$55.982 million.
3. City Council approve the 2016-2024 Capital Plan for Toronto Water totalling \$7.272 billion in project estimates, comprised of \$152.261 million in 2016; \$312.723 million for 2017; \$707.787 million for 2018; \$937.190 million for 2019; \$990.135 million for 2020; \$1.060 billion for 2021; \$1.082 billion for 2022; \$998.658 million for 2023; and \$1.032 billion in 2024.
4. City Council consider the operating costs of \$0.820 million net in the 2015, (\$898.2 million) net in 2016; (\$0.121 million) net in 2017; \$5.895 million net in 2018; \$5.895 million net in 2019; \$2.504 million net in 2020; and \$0.050 million net in 2021 resulting from the approval of the 2015 Capital Budget for inclusion in the 2015 and future year operating budgets.
5. City Council approve 3 temporary capital positions for the delivery of new 2015 capital projects and that the duration for each temporary position not exceed the life and funding of its respective project / sub-project.
6. City Council request the Deputy City Manager and Chief Financial Officer in consultation with the General Manager, Toronto Water to advance the 2016 cashflow for the Basement Flooding projects into 2015, should it become evident that greater than planned volume of work can be completed, and that the 2016 – 2024 budgeted cash flows be adjusted accordingly as part of the 2016 Budget process.
7. City Council request General Manager, Toronto Water to report back with an update on the state of good repair backlog as part of the 2016 Budget Process.
8. City Council request the General Manager, Toronto Water to initiate and expedite the completion of new Basement Flooding Protection Environmental Assessment studies for the remainder of the City, specifically identified as Study Areas 42 through 67 and in the order of priority as shown in Schedule A to the report (December 18, 2014) from the General Manager, Toronto Water.
9. 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.

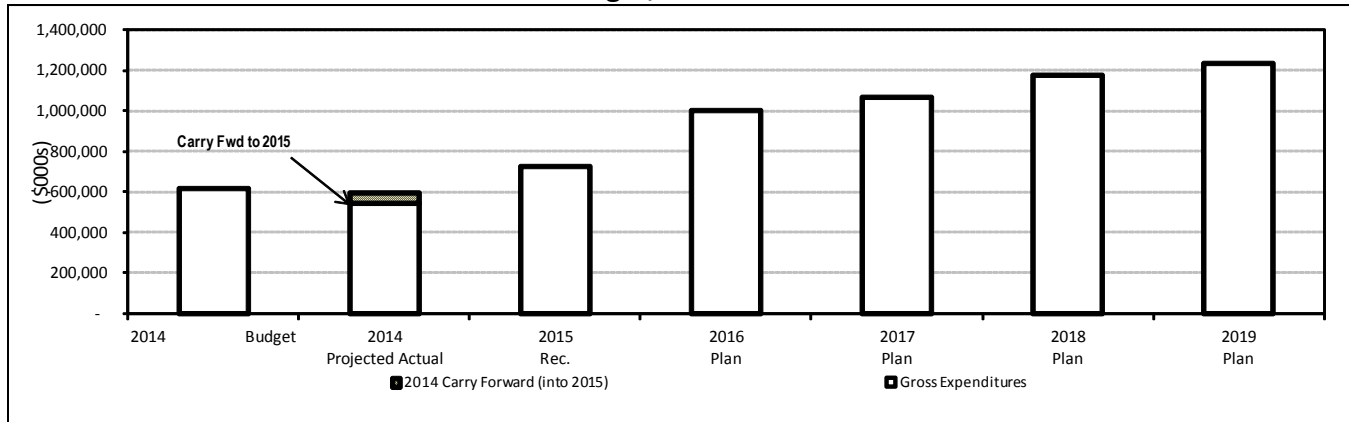


# **Part I:**

## 10-Year Capital Plan

# 10 Year Capital Plan

**Table 1a**  
**2015 Budget, 2016-2019 Plan**



	2015 Budget and 2016 - 2019 Plan								5-Year Total Percent
	2014		2015	2016	2017	2018	2019	2015 - 2019	
	Budget	Projected Actual							
<b>Gross Expenditures:</b>									
2014 Capital Budget & Approved FY Commitment	616,962	543,706	683,650	630,161	527,741	294,364	186,100	2,322,016	44.6%
Changes to Approved FY Commitments									
2015 New/Change in Scope and Future Year Commitments			45,611	218,605	227,416	173,716	111,014	776,362	14.9%
2016 - 2019 Capital Plan Estimates			-	152,261	312,723	707,787	937,190	2,109,961	40.5%
2-Year Carry Forward for Reapproval									
1-Year Carry Forward to 2015		55,982							
<b>Total Gross Annual Expenditures &amp; Plan</b>	<b>616,962</b>	<b>599,688</b>	<b>729,261</b>	<b>1,001,027</b>	<b>1,067,880</b>	<b>1,175,867</b>	<b>1,234,304</b>	<b>5,208,339</b>	<b>100.0%</b>
<b>Program Debt Target</b>									
<b>Financing:</b>									
<b>Debt</b>									
Development Charges	35,269		46,766	57,084	75,471	58,786	55,451	293,558	5.6%
Reserves/Reserve Funds	565,138		672,846	930,914	976,293	1,102,713	1,171,710	4,854,476	93.2%
Other Revenue	16,555		9,649	13,029	16,116	14,368	7,143	60,305	1.2%
<b>Total Financing</b>	<b>616,962</b>		<b>729,261</b>	<b>1,001,027</b>	<b>1,067,880</b>	<b>1,175,867</b>	<b>1,234,304</b>	<b>5,208,339</b>	<b>100.0%</b>
<b>By Project Category:</b>									
Health & Safety			6,615	10,454	7,981	3,664	1,400	30,114	0.6%
Legislated			69,093	65,422	101,404	135,655	190,645	562,219	10.8%
SOGR			424,223	606,288	621,124	607,949	587,573	2,847,157	54.7%
Service Improvement			174,836	236,436	220,501	305,781	360,704	1,298,258	24.9%
Growth Related			54,494	82,427	116,870	122,818	93,982	470,591	9.0%
<b>Total by Project Category</b>			<b>729,261</b>	<b>1,001,027</b>	<b>1,067,880</b>	<b>1,175,867</b>	<b>1,234,304</b>	<b>5,208,339</b>	<b>100.0%</b>
<b>Asset Value (\$) at year-end</b>	<b>28,360,593</b>		<b>28,435,825</b>	<b>28,516,294</b>	<b>28,606,075</b>	<b>28,749,369</b>	<b>29,149,244</b>		
Yearly SOGR Backlog Estimate (not addressed by current plan)			169,599	212,216	202,704	201,248	201,248	987,015	
Accumulated Backlog Estimate (end of year)		1,599,445	1,429,846	1,217,630	1,014,926	813,678	612,430	612,430	
<b>Backlog: Percentage of Asset Value (%)</b>	<b>5.6%</b>		<b>5.0%</b>	<b>4.3%</b>	<b>3.5%</b>	<b>2.8%</b>	<b>2.1%</b>		
<b>Debt Service Costs</b>									
Operating Impact on Program Costs			820	(898)	(18)	5,273	5,895	11,072	
New Positions			(4)	(15)	2		3	(14)	

**Table 1b  
2020 - 2024 Capital Plan**

	2020 - 2024 Capital Plan						
	2020	2021	2022	2023	2024	2015 - 2024	10-Year Total Percent
<b>Gross Expenditures:</b>							
2014 Capital Budget & Approved FY Commitments	91,861	65,631	56,959	52,152		2,588,619	23.6%
Changes to Approved FY Commitments							
2015 New/Change in Scope and Future Year Commitments	129,441	119,762	29,548	28,368	39,930	1,123,411	10.2%
2020 - 2024 Capital Plan Estimates	990,135	1,059,958	1,081,978	998,658	1,031,370	7,272,060	66.2%
<b>Total Gross Annual Expenditures &amp; Plan</b>	<b>1,211,437</b>	<b>1,245,351</b>	<b>1,168,485</b>	<b>1,079,178</b>	<b>1,071,300</b>	<b>10,984,090</b>	<b>100.0%</b>
<b>Program Debt Target</b>							
<b>Financing:</b>							
<b>Debt</b>							
Development Charges	52,593	62,828	59,246	51,264	50,524	570,013	5.2%
Reserves/Reserve Funds	1,152,845	1,173,949	1,101,250	1,020,127	1,014,776	10,317,423	93.9%
Provincial/Federal							
Other Revenue	5,999	8,574	7,989	7,787	6,000	96,654	0.9%
<b>Total Financing</b>	<b>1,211,437</b>	<b>1,245,351</b>	<b>1,168,485</b>	<b>1,079,178</b>	<b>1,071,300</b>	<b>10,984,090</b>	<b>100.0%</b>
<b>By Project Category:</b>							
Health & Safety	100	100	100	100	100	30,614	0.3%
Legislated	136,126	132,746	124,783	53,750	28,176	1,037,800	9.4%
SOGR	612,047	605,047	549,442	529,143	515,207	5,658,043	51.5%
Service Improvement	363,418	388,062	384,543	393,942	445,006	3,273,229	29.8%
Growth Related	99,746	119,396	109,617	102,243	82,811	984,404	9.0%
<b>Total by Project Category</b>	<b>1,211,437</b>	<b>1,245,351</b>	<b>1,168,485</b>	<b>1,079,178</b>	<b>1,071,300</b>	<b>10,984,090</b>	<b>100.0%</b>
<b>Asset Value(\$)</b> at year-end	<b>29,149,244</b>	<b>29,293,369</b>	<b>29,674,494</b>	<b>29,754,369</b>	<b>31,033,369</b>	<b>31,033,369</b>	
Yearly SOGR Backlog Estimate (addressed by current plan)	155,299	157,352	168,047	141,476	91,923	1,701,112	
Accumulated Backlog Estimate (end of year)	501,027	332,980	191,504	91,923			
<b>Backlog: Percentage of Asset Value (%)</b>	<b>1.7%</b>	<b>1.1%</b>	<b>0.6%</b>	<b>0.3%</b>	<b>0.0%</b>		
<b>Debt Service Costs</b>							
Operating Impact on Program Costs	2,504	50				13,626	
New Positions		1				(13)	

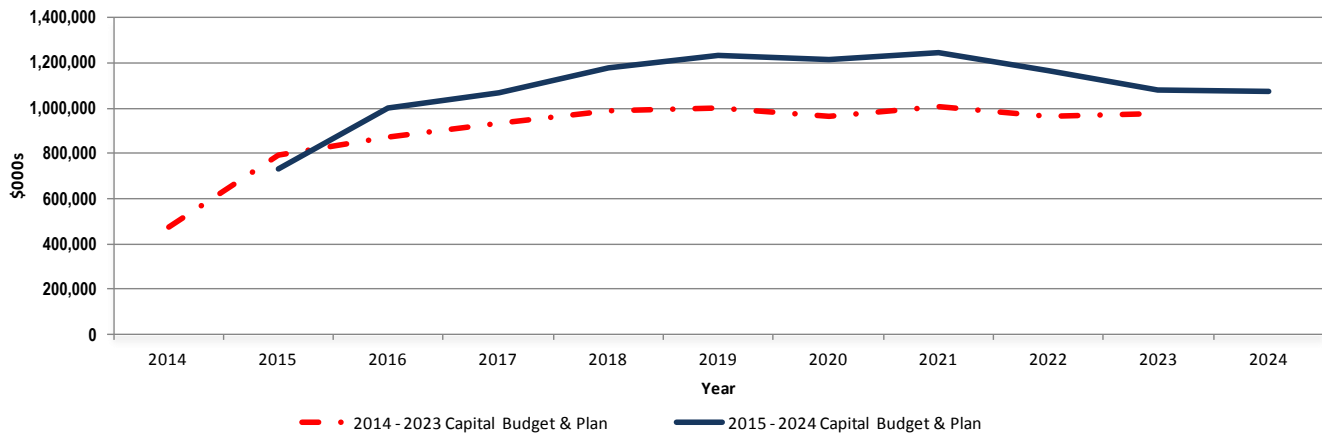


### Key Changes to the 2014 - 2023 Approved Capital Plan

The 2015 Capital Budget and the 2016 - 2024 Capital Plan reflects an increase of \$2.003 billion or 22% in capital funding from the 2014 to 2023 Approved Capital Plan.

The table and chart below provide a breakdown of the Capital Program changes on an annual basis from 2014 to 2024.

**Chart 1**  
**Changes to the 2014 -2023 Approved Capital Plan (In \$000s)**



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	10-Year Total
2014 - 2023 Capital Budget & Plan	476,713	794,448	871,282	934,105	988,854	1,003,283	961,214	1,006,708	965,292	978,763	-	8,980,662
2015 - 2024 Capital Budget & Plan	-	729,261	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	10,984,090
Change %	-	-8.2%	14.9%	14.3%	18.9%	23.0%	26.0%	23.7%	21.0%	10.3%	-	22.3%
Change \$	-	-65,187	129,745	133,775	187,013	231,021	250,223	238,643	203,193	100,415	-	2,003,428

As made evident in the chart above, the 2015 Capital Budget and the 2016-2024 Capital Plan reflects an increase of \$2.003 billion from the 2014-2023 Approved Capital Plan

- A level of funding in 2024 is over 2 times higher than funding requirements in 2014. Also, except for 2015, there are significant annual increases ranging from \$129.745 million in 2016 to \$250.223 million in 2020.

This change is driven by the increase of \$1.409 billion for the nine common years of the Capital Plans (2015-2023) as reflected in Table 2 on the following page. This significant increase in capital funding arises from the reprioritization of Toronto Water's capital projects, based on the following factors:

- During the 2014 Budget process, City Council amended the Capital Plan for Toronto Water, for future planning purposes, to reflect a water rate increase of 8% in the years 2015, 2016 and 2017.
  - The 2015-2024 Capital Budget and Plan has been based on water rate increases of 8% in 2015 and 2016, followed by 5% water rate increases in 2017 and 2018.
  - These rates were determined to be in line with the anticipated project schedules that would allow Toronto Water to deliver on key legislated, health and safety and state of good repair priority projects, while also addressing emerging service improvement priorities, such as Basement Flooding Protection and Wet Weather Flow Master Plan projects.

➤ The anticipated rate increases will generate additional revenues of approximately \$1.117 billion over the nine common years of the Capital Plans.

- Changes have also been made based on updated schedules for implementation of the projects requiring large capital funding, as well as new condition assessments; and
- The need to realign Toronto Water 2015 Capital Budget with historical spending rates.

A summary of project changes for the years 2015 to 2023 totalling \$1.406 million is provided in Table 2 below:

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

\$000s	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2015 - 2023 Total
2014 - 2023 Capital Budget & Plan	476,713	794,448	871,282	934,105	988,854	1,003,283	961,214	1,006,708	965,292	978,763		8,503,949
2015 - 2024 Capital Budget & Plan	729,261	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		9,912,790
<b>Capital Budget &amp; Plan Changes (2015 - 2023)</b>		(65,187)	129,745	133,775	187,013	231,021	250,223	238,643	203,193	100,415		1,408,841

	Total Project Cost	2015	2016	2017	2018	2019	2020	2021	2022	2023	2015 - 2023	2024	Revised Total Project Cost
<b>Previously Approved</b>													
<b>Water Treatment &amp; Supply</b>													
FJ Horgan Treatment Plant	223,728	(3,662)	5,504	2,053	3,540	2,245	824	575	475		11,554	200	223,728
Island Water Treatment Plant	N/A	(2,690)	3,345	6,070	1,050	(5,000)	(1,200)	10			1,585	525	N/A
R.C. Harris Water Treatment Plant	N/A	(6,919)	7,832	5,285	7,708	7,507	6,000	3,000	(6,950)	(8,000)	15,463	500	N/A
R.L. Clark Water Treatment Plant	N/A	(5,152)	(3,442)	9,458	989	(7,374)	(6,000)				(11,521)	150	N/A
Watermain Rehabilitation (Cleaning & Lining)	N/A	16,847	17,070	6,704	19,462	12,393	7,438	6,633	3,325	(34)	89,838	74,108	N/A
Watermain Replacement	N/A	(13,973)	17,994	14,172	1,570	2,445	1,222	734	1,169	1,338	26,671	124,000	N/A
Water Service Repair	N/A	6,182	10,003	9,844	9,775	9,703	9,629	9,553	9,475	9,394	83,558	30,239	N/A
Transmission Watermains	N/A	986	6,230	15,306	8,808	(22,015)	(3,460)	16,020	10,020	2,700	34,595	5,850	N/A
WT Storage and Treatment	N/A	(544)	35,322	27,163	1,223	5,784	8,200	1,800	1,575	685	81,208	28,200	N/A
Water Meter Program (AMR)	267,684	(18,736)	(14,308)	(2,485)							(35,529)	-	232,155
Business & Technical Improvements	N/A	(8,319)	1,195	5,769	9,342	13,508	2,412	1,176	754	1,459	27,296	2,479	N/A
<b>Subtotal</b>	<b>491,412</b>	<b>(35,980)</b>	<b>86,745</b>	<b>99,339</b>	<b>63,467</b>	<b>19,196</b>	<b>25,065</b>	<b>39,501</b>	<b>19,843</b>	<b>7,542</b>	<b>324,718</b>	<b>266,771</b>	
<b>Wastewater Collection &amp; Treatment &amp; Stormwater Management</b>													
Ashbridges Bay Wastewater Treatment Plant (ABTP)	N/A	(34,047)	(26,790)	(10,878)	(29,694)	33,960	1,331	(29,462)	(18,446)	(76,390)	(190,416)	80,640	N/A
Highland Creek Wastewater Treatment Plant (HCTP)	N/A	(21,311)	9,389	(4,281)	40	25,022	44,756	51,130	24,843	31,453	161,041	11,130	N/A
Humber Wastewater Treatment Plant	N/A	10,137	14,570	13,036	4,392	9,136	17,715	5,535	(28,980)	(12,755)	32,786	16,125	N/A
Sewer System Rehabilitation & Trunk Sewer & Sewage Pumping Stations	N/A	15,099	(5,339)	(14,107)	8,396	1,558	5,150	5,300	5,400	5,400	26,857	110,036	N/A
Sewer Replacement Program	N/A	(19,125)	(484)	6,295	1,297	1,786				5,000	(5,231)	55,000	N/A
New Sewer Construction	N/A	5,370	5,680	5,680	5,680	5,680	-	-	-	-	28,090	14,000	N/A
Pumping Stations	N/A	(4,044)	568	888	2,430	3,745	1,278	228	80	60	5,233	2,100	N/A
Basement Flooding Relief	N/A	(21,250)	(35,089)	4,740	29,951	6,713	(3,986)	7		1,000	(17,914)	111,540	N/A
Waterfront	N/A	13,939	8,020								21,959		N/A
Wet Weather Flow Stream Restoration & Implementation Projects	N/A	1,565	5,736	(21,641)	(5,885)	15,205	20,670	26,670	72,497	10,870	125,687	227,592	N/A
Yards & Facility Improvements	N/A	304	595	725	840	640	40	640	840	(9,060)	(4,436)	5,240	N/A
<b>Subtotal</b>	<b>-</b>	<b>(53,363)</b>	<b>(23,144)</b>	<b>(19,543)</b>	<b>17,447</b>	<b>103,445</b>	<b>86,954</b>	<b>60,048</b>	<b>56,234</b>	<b>(44,422)</b>	<b>183,656</b>	<b>633,403</b>	
<b>Linear Infrastructure Engineering</b>													
New Service Connections	N/A	5,156	15,495	12,347	12,303	13,564	27,303	25,280	19,335	19,992	150,775	63,785	N/A
	N/A	8,582	8,680	952	7,101	4,754	4,911	5,074	5,241	5,413	50,708	9,091	N/A
<b>Total Previously Approved</b>	<b>491,412</b>	<b>(75,605)</b>	<b>87,776</b>	<b>93,095</b>	<b>100,318</b>	<b>140,959</b>	<b>144,233</b>	<b>129,903</b>	<b>100,653</b>	<b>(11,475)</b>	<b>709,857</b>	<b>973,050</b>	
<b>Added Funding/Projects</b>													
R.C. Harris Water Treatment Plant	N/A	300	1,270	250							1,820		N/A
Island Water Treatment Plant	N/A	15	90	490	45						640		N/A
WT Storage, Treatment and Pumping Station	N/A	-	-	1,700	17,200	5,750	11,300	8,700	1,550	8,950	55,150	850	N/A
Transmission Watermains	N/A	250	3,640	4,270	640						8,800		N/A
Ashbridges Bay Wastewater Treatment Plant	N/A	200	1,100	3,400	14,400	12,000	6,500	6,300	6,400	6,500	56,800	6,500	N/A
Highland Creek Wastewater Treatment Plant	N/A	600	2,650	4,150	3,600	1,400					12,400		N/A
Basement Flooding Relief Projects	N/A	3,720	12,530	17,030	36,142	63,412	80,690	86,240	86,590	84,940	471,294	76,900	N/A
Wet Weather Flow Implementation Plan	N/A	5,333	20,689	9,390	14,668	7,500	7,500	7,500	8,000	11,500	92,080	14,000	N/A
<b>Total New</b>	<b>-</b>	<b>10,418</b>	<b>41,969</b>	<b>40,680</b>	<b>86,695</b>	<b>90,062</b>	<b>105,990</b>	<b>108,740</b>	<b>102,540</b>	<b>111,890</b>	<b>698,984</b>	<b>98,250</b>	
<b>Total Changes</b>	<b>491,412</b>	<b>(65,187)</b>	<b>129,745</b>	<b>133,775</b>	<b>187,013</b>	<b>231,021</b>	<b>250,223</b>	<b>238,643</b>	<b>203,193</b>	<b>100,415</b>	<b>1,408,841</b>	<b>1,071,300</b>	

## Significant Capital Project Changes in Toronto Water:

### Added Funding/Projects:

The 10-Year Capital Plan includes previously unfunded projects which will be accommodated through additional funding generated from the planned rate increases of 8% in 2015 and 2016 and 5% in 2017 and 2018.

Based on increased funding generated from the planned rate increases, the following projects totalling \$698.894 million have been recommended:

- Exterior lighting and other upgrades at the *R.C. Harris* (\$1.820 million) and *Island* water treatment plants (\$0.640 million) in 2015, 2016 and 2017.
- The implementation of standby power at additional *Water Treatment Pumping Stations* (\$56.0 million) will provide a sustainable water supply over 72 hours in case of a power outage. This project is part of a cost sharing agreement with the Region of York, which will fund 30% of the project costs. The project implementation will start in 2017, with an anticipated completion in 2024.
- Water treatment and supply upgrades (\$8.800 million) including the replacement of revenue meters and *Water Transmission System* automation in 2015, 2016 and 2017.
- Wastewater treatment upgrades such as digester repairs and upgrades to clarifier bridges at the *Ashbridges Bay Wastewater Treatment Plant* (\$63.300 million) that will span over the 10-year planning period.
- Construction of a new liquid process train at the *Highland Creek Wastewater Treatment Plant* (\$12.400 million) to create redundancy and facilitate the refurbishment of primary and final clarifiers in the three existing liquid process trains planned will start in 2019.
- Additional funding for the *Basement Flooding Protection Program* of \$548.194 million over the 10-year planning period, which aligns with the “Expansion of the Basement Flooding Protection Program’s Priority Study Areas” staff report approved by City Council during the 2014 Budget process.
  - The report identified seven additional basement flooding areas and Toronto Water was directed to initiate and expedite completion of Environmental Assessment (EA) studies for these new study areas, which will recommend infrastructure improvements to reduce risk of future basement and surface flooding.
- *Wet Weather Flow Master Plan* projects totalling \$106.080 million were accelerated into the 10 year Capital Plan period including:
  - Construction of Waterfront Landforms at Ashbridges Bay and Humber River and Etobicoke Waterfront Stormwater Management Facilities project (\$41.080 million).
  - The expansion of the critical erosion program being implemented by the TRCA (\$65.0 million).

### Significant Increases in Toronto Water Previously Approved Capital Projects

The following previously approved Toronto Water capital projects have been allocated increased funding to address key priorities outlined below:

- The funding allocation for *Watermain Replacement projects* has been increased by \$26.671 million, mostly as a result of higher unit costs received in the procurement process in 2014.
- The expansion of the *Water Service Repair* program reflects an increase in the quantities of substandard service replacements estimated totalling \$83.558 million in costs, to be undertaken in coordination with an expanding infrastructure renewal program.
- The *Transmission Watermain* program has been updated to include the long term forecast for the replacement of all cast iron transmission watermains, as well as the construction of the Downsview transmission watermain to service growth. Therefore, \$34.595 million was added to the 10-Year Capital Plan.
- The *Water Storage and Treatment* program costs have been increased by \$81.208 million to include the construction of a new Downsview pumping station to service growth, as well as additional state of good repair work on booster pumping stations resulting from a recently completed condition assessment.
- The condition of the existing liquid train process and concrete tunnels has become critical requiring significant refurbishment as reflected in the increased costs of the *Highland Creek Wastewater Treatment Plant* program of \$161.041.
- *Sewer System Rehabilitation, Trunk Sewer and Sewage Pumping project* costs have been increased by \$26.857 million to address the volume of planned work resulting from an expanded sewer CCTV inspection program, as well as due to the completion of more condition assessments for trunk sewer rehabilitation and replacement.
  - There is also an increased focus on sewer system rehabilitation rather than replacement projects to address deficiencies found by sewer inspections.
- The implementation of the Don River and Central Waterfront Combined Sewer Overflow (CSO) project has been accelerated from 2024, resulting in higher costs for the *Wet Weather Flow Master Plan* of approximately \$125.687 million.
- *Linear Engineering* costs have been increased by \$150.775 million to align with the services required to deliver Toronto Water's expanding linear program.
- The demand for *New Service Connections* is increasing within the development industry. As a result, the 10 year forecast has been amended to address this increased demand by \$50.708 million. The cost of this program is fully recoverable from fees.

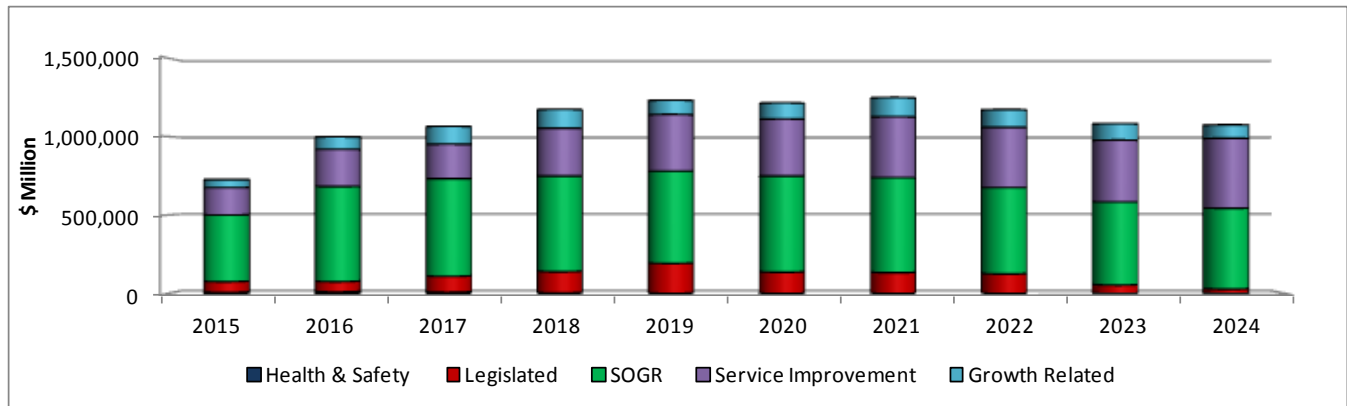
#### **Major Reductions in Toronto Water Previously Approved Capital Projects:**

Significant reductions in capital expenditures have been made to the following projects:

- The funding allocation for the *Automated Water Meter Program (AMR)* was reduced by \$35.529 million due to lower than expected costs associated with the installation of the large meters and lower than anticipated commodity and labour prices.
- The capital program at the *Ashbridges Bay Treatment Plant* has been updated to address coordination and sequencing requirements as \$1.7 billion of investment is expected to be undertaken at the plant to address Federal Wastewater Effluent requirements and state of good repair work.

- Over the 2015-2024 planning period, there were cashflow realignments for a variety of other projects, which reflect more updated schedules for implementation and realignment of projects between different program areas.

**Chart 2**  
**2015 – 2024 Capital Plan by Project Category (In \$000s)**



As illustrated in the chart above, the 10-Year Capital Plan for Toronto Water of \$10.984 billion predominantly provides funding for State of Good Repair (SOGR) projects (including Health and Safety and Legislated projects), which represents \$5.658 billion or 61% of total funding over the 10-year period.

- Health and Safety projects account for approximately 0.3% or \$30.614 million and it 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 9.4% or \$1.038 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 drive Toronto Water's capital program and remain at stable levels over the period in order to ensure the continued reduction and possible elimination of Toronto Water's infrastructure renewal backlog by 2024, estimated at \$1.641 billion at the end of 2013.
- Service Improvement projects represent approximately 30% or \$3.273 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$174.836 million in 2015 to \$445.006 million in 2024, primarily due to anticipated increase in funding from water rates that have allowed Toronto Water to include the majority of previously unfunded Basement Flooding and Wet Weather Flow service improvement projects in its 10-Year Capital Plan.
- Growth projects constitute about 9% or \$984.404 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 \$34.075 million per year. However, funding for planned significant stand alone projects will vary from year to year based on growth requirements.

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

	Total App'd Cash Flows to Date*	2015 Budget	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2015 - 2024 Total	Total Project Cost
<b>Total Expenditures by Category</b>													
<b>State of Good Repair (including Health &amp; Safety and Legislated projects)</b>													
Watermain Rehabilitation (Cleaning & Lining)	N/A	49,218	62,572	70,041	69,438	67,512	67,705	72,052	73,901	74,003	74,108	680,550	N/A
Watermain Replacement	N/A	55,592	76,877	72,055	85,000	92,000	100,000	104,000	106,000	106,000	106,000	903,524	N/A
Water Service Repair	N/A	19,292	27,169	27,248	28,008	28,483	28,972	29,476	29,996	29,713	30,239	278,596	N/A
Sewer System Rehabilitation	N/A	32,524	34,820	30,100	49,500	50,000	56,650	58,345	60,036	60,036	60,036	492,047	N/A
Sewer Replacement Program	N/A	23,042	36,938	42,391	41,900	46,786	50,000	55,000	55,000	55,000	55,000	461,057	N/A
Linear Infrastructure Engineering	N/A	53,543	67,323	65,615	60,352	62,723	76,259	68,126	61,748	63,081	59,235	638,005	N/A
Transmission Watermains	N/A	21,835	19,945	9,697	3,518	3,105	2,250	5,250	5,250	5,250	5,250	81,350	N/A
R.L. Clark Water Treatment Plant	N/A	11,828	10,840	22,212	13,895	5,375	10,150	20,150	20,150	150	150	114,900	N/A
R.C. Harris Water Treatment Plant	N/A	6,613	17,182	12,885	18,358	14,507	14,650	11,500	1,700	500	500	98,395	N/A
FJ Horgan Treatment Plant	205,440	2,061	4,200	5,283	3,250	620	1,024	775	675	200	200	18,288	223,728
Island Water Treatment Plant	N/A	3,050	8,239	9,560	7,825	7,625	2,575	385	525	375	525	40,684	N/A
Trunk Sewer & Sewage Pumping Stations	N/A	26,693	28,550	27,847	27,784	26,096	25,011	25,000	25,000	25,000	25,000	261,981	N/A
Ashbridges Bay Wastewater Treatment Plant (ABTP)	N/A	69,313	117,750	184,368	224,763	257,069	203,107	191,159	176,849	108,820	65,140	1,598,338	N/A
Highland Creek Wastewater Treatment Plant (HCTP)	N/A	28,478	63,492	43,460	32,600	24,545	10,520	18,650	25,500	19,400	11,130	277,775	N/A
Humber Wastewater Treatment Plant	N/A	56,589	57,026	70,337	55,483	55,680	59,305	45,880	2,325	4,245	16,125	422,995	N/A
Stream Restoration & Erosion Control	N/A	13,266	11,995	12,049	11,036	15,675	15,410	14,910	12,310	12,310	13,310	132,271	N/A
Other Projects	N/A	26,994	37,246	25,361	14,558	21,817	24,685	17,235	17,360	18,910	21,535	225,701	N/A
<b>Sub-Total</b>		<b>499,931</b>	<b>682,164</b>	<b>730,509</b>	<b>747,268</b>	<b>779,618</b>	<b>748,273</b>	<b>737,893</b>	<b>674,325</b>	<b>582,993</b>	<b>543,483</b>	<b>6,726,457</b>	
<b>Service Improvements</b>													
Basement Flooding Relief	N/A	62,080	82,833	129,094	167,069	176,625	178,204	183,747	189,090	188,440	188,440	1,545,622	N/A
Don & Waterfront Trunk CSO	N/A	6,150	12,601	4,000	28,546	52,180	54,180	56,180	106,807	90,680	116,500	527,824	N/A
Wet Weather Flow - Implementation Projects	N/A	34,888	41,217	29,332	39,065	35,271	41,134	52,799	40,037	57,158	95,782	466,683	N/A
Highland Creek Wastewater Treatment Plant - Solids & Gas Handling	N/A	3,957	9,305	11,420	31,775	58,032	71,383	68,050	20,285	16,250		290,457	N/A
Ashbridges Bay Wastewater Treatment Plant - Liquid Treatment & Handling	N/A	4,423	4,970	6,242	8,595	5,660	1,050	10,000	10,000	20,000	22,000	92,940	N/A
Water Meter Program (AMR)	172,353	26,920	30,367	2,515								59,802	232,155
Other Projects	N/A	36,418	55,143	37,898	30,731	32,936	17,467	17,286	18,324	21,414	22,284	289,901	N/A
<b>Sub-Total</b>		<b>174,836</b>	<b>236,436</b>	<b>220,501</b>	<b>305,781</b>	<b>360,704</b>	<b>363,418</b>	<b>388,062</b>	<b>384,543</b>	<b>393,942</b>	<b>445,006</b>	<b>3,273,229</b>	
<b>Growth Related</b>													
New Service Connections	N/A	26,082	26,180	18,452	24,601	22,254	22,411	22,574	22,741	22,913	23,091	231,299	N/A
New Sewer Construction	N/A	9,170	13,680	15,680	15,680	17,680	14,000	14,000	14,000	14,000	14,000	141,890	N/A
Trunk Sewers & Pumping Stations	N/A	-	600	800	5,500	8,500	10,000	10,000	25,000	25,000	25,000	110,400	N/A
Trunk Water Mains	N/A	798	11,850	38,800	35,170	11,350	13,550	34,920	24,525	11,000	600	182,563	N/A
Lawrence Allan Revitalization Plan	N/A	6,338	3,354	18,078	2,127	3,531						33,428	N/A
Regent Park Capital Contribution	N/A	1,167	1,803	475	1,090	632	37	54	31			5,289	N/A
Other Projects	N/A	10,939	24,960	24,585	38,650	30,035	39,748	37,848	23,320	29,330	20,120	279,535	N/A
<b>Sub-Total</b>		<b>54,494</b>	<b>82,427</b>	<b>116,870</b>	<b>122,818</b>	<b>93,982</b>	<b>99,746</b>	<b>119,396</b>	<b>109,617</b>	<b>102,243</b>	<b>82,811</b>	<b>984,404</b>	
<b>Total Expenditures by Category</b>		<b>729,261</b>	<b>1,001,027</b>	<b>1,067,880</b>	<b>1,175,867</b>	<b>1,234,304</b>	<b>1,211,437</b>	<b>1,245,351</b>	<b>1,168,485</b>	<b>1,079,178</b>	<b>1,071,300</b>	<b>10,984,090</b>	
<b>Major IT Projects</b>													
Business System Infrastructure	N/A	5,740	3,929	1,004	1,007	637	587	2,011	1,234	1,409	1,379	18,937	N/A
Asset Management Implementation	N/A		500	1,000	1,000	1,000	1,000	1,000	1,000	500		7,000	N/A
Business IT Projects	N/A												N/A
Business Intelligence Initiatives	N/A	280										280	N/A
Backflow Inspection Portal	N/A		200	200								400	N/A
<b>Total Major IT Projects</b>		<b>6,020</b>	<b>4,629</b>	<b>2,204</b>	<b>2,007</b>	<b>1,637</b>	<b>1,587</b>	<b>3,011</b>	<b>2,234</b>	<b>1,909</b>	<b>1,379</b>	<b>26,617</b>	

\* Life to date approved cashflows are provided for multi-year capital projects with cashflow approvals prior to 2015, excluding on-going capital projects such as linear infrastructure and facility/plant capital maintenance projects.

**2015-2024 Capital Projects**

The 10-Year Capital Plan supports Toronto Water's objectives and balances infrastructure renewal needs for State of Good Repair, new Service Improvement projects, and 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.

- Funding pressures identified in prior budget cycles have been incorporated into the Capital Plan and sequenced to address coordination and delivery-ability of the capital program.

### ***State of Good Repair (SOGR), Health & Safety, & Legislated***

- A primary focus of the 2015-2024 Capital Budget and Plan remains on 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.
- State of Good Repair funding included in the 10-Year Capital Plan will address Toronto Water's SOGR backlog, currently estimated \$1.641 billion (2013 estimate) and projected to be reduced to \$91.923 million by year-end 2023, if the current funding allocated to State of Good Repair projects is not reduced over the next 10 years.
- 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 2015. The General Manager, Toronto Water will provide a status update as part of the 2016 Budget process.

### ***Service Improvements***

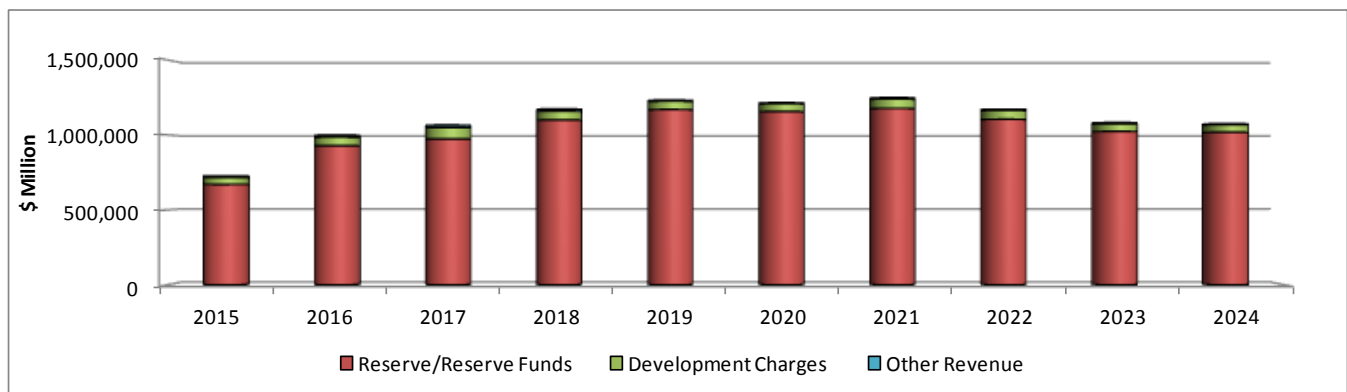
- Approximately \$1.546 billion or 14% of total funding over the 10-year period has been allocated to implement the Basement Protection Program projects in basement flooding study areas across the City, which will reduce the risk of future flooding during extreme storm events.
- The 2015 -2024 Capital Budget and Plan provides funding of \$527.824 million for the Don River and Waterfront Trunk / Combined Sewer Outfall (CSO) project to improve the City's environment and also provide operational improvements for the critical Coxwell Sanitary Trunk Sewer that services approximately 750,000 residents.
  - Phase 1, the Coxwell Bypass Tunnel has been accelerated within the 10-year Capital Plan period to be completed by 2022. Phase 2, Taylor-Massey Creek Tunnel, which was previously outside of the 10-year Capital Plan has been accelerated to start detailed design in 2019.
- 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.
  - Projects totaling \$142.010 million over the 10-Year planning period include CSO Control End of Pipe facilities, such as underground storage and treatment tanks and stormwater ponds.
- Funding has also been allocated for City-wide wet weather flow stream restoration work to protect vulnerable City infrastructure from water course erosion impact of severe storms, as well as \$91.500 million in funding for the TRCA's stream restoration and erosion control projects over the next 10 years.

- The Highland Creek Waste Water Treatment Plant projects totaling \$150.986 million over the 10-year planning period, include biosolids and gas handling implementation.
- The Water Metering Program approved in 2008, entails the City-wide water meter replacement program coupled with the concurrent installation of automated meter reading technology. Funding of \$59.802 million is included to complete this project by 2017.

**Growth Related**

- The largest projects in this category are the trunk watermain expansion and upgrade projects. Funding of \$183.065 million is included to increase the hydraulic capacity in the Toronto Water supply system over the 10-Year Capital Plan period. Many of these projects are cost shared with the Region of York.
- The 2015-2024 Capital Budget and Plan allocates funding for the New Sewer Construction and New Service Connection projects totaling \$373.189 million to provide the necessary servicing capacity for the projected population growth and for the installation of service connections for new homes and developments.
- Toronto Water will also provide funding for growth related component of the Lawrence Allan Revitalization Plan (\$33.561 million) and the Regent Park Revitalization project (\$3.212 million).

**Chart 3**  
**2014 – 2023 Capital Plan by Funding Source (In \$000s)**



Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% funded by rate revenues and does not require debenture financing.

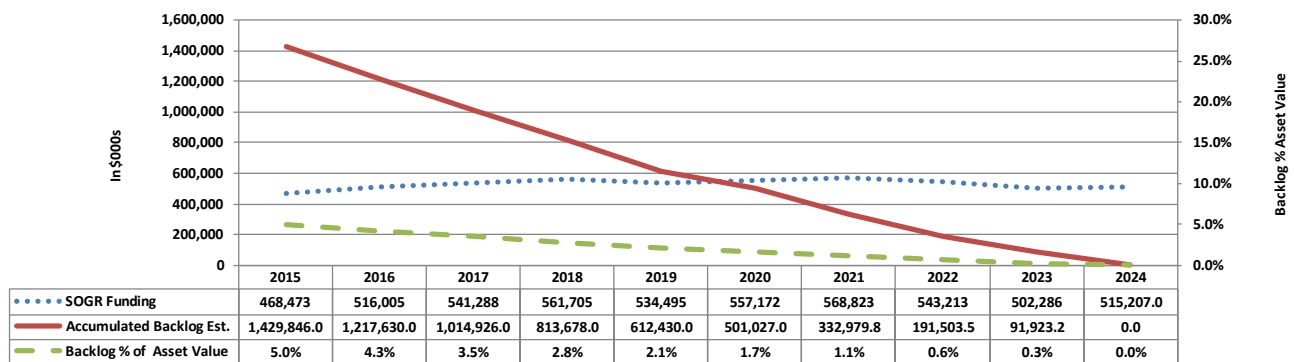
- The 10-Year Capital Plan of \$10.984 billion will be funded primarily from the Program’s reserves, representing approximately 93.9% or \$10.317 billion of total capital financing.
  - Capital funding from Toronto Water reserves increases from \$672.846 million in 2015 to \$1.174 billion in 2021. This increase in reserve funding coincides with the planned water rate increases to fund the implementation schedules for large capital projects such as Ashbridges Bay Waste Water Treatment Plant disinfection and outfall construction projects, Highland Creek Biosolids project and Basement Flooding Protection projects.



- The 10-Year Capital Plan is based on planned water rate increases of 8% (2015 and 2016), followed by 5% (2017 and 2018), and 3% thereafter.
- Development Charges (DC) provide approximately 5.2% or \$570.013 million of financing included in the 10-Year Capital Plan. The use of Development Charge funding has been maximized based on project eligibility resulting in an increase in funding of \$130.234 million from the 2014 – 2023 Approved Capital Plan. This increase in development charge funding will assist Toronto Water in maintaining a relatively healthy reserve balance, while accommodating increased capital funding needs.
- Other revenues, such as capital cost sharing with York Region represent 0.9% or \$96.654 million of total capital financing.

**State of Good Repair (SOGR) Backlog**

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



- The information on the State of Good Repair backlog presented in the above chart is based on 2013 data. Toronto Water continues to assess the condition of its asset classes through discrete projects.
- At the end of 2013, the replacement value of Toronto Water's assets was estimated at \$28.256 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 \$20.985 billion.
  - Facility/plant assets account for the remaining 26% or \$7.271 billion.
- As of the end of 2013, Toronto Water had an estimated backlog of state of good repair work for linear and plant infrastructure renewal estimated at \$1.641 billion, representing 5.8% of the asset replacement value. Approximately 61% or \$1.008 billion of the backlog relates to linear infrastructure, with the remaining 39% or \$0.633 billion representing facilities.
- The backlog estimate for the various facilities is based on detailed assessment/surveys undertaken in 2005 and 2008. Through 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 \$5.658 billion or \$566 million on average annually, to address state of good repair, which is anticipated to eliminate the backlog by 2024.
- The state of good repair backlog by asset category, based on the 2013 data is presented in the table below:

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

Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
State of Good Repair Funding	333,799	468,473	516,005	541,287	561,705	534,496	557,173	568,823	543,213	502,286	502,286
Accumulated Backlog Est. (yr end)	1,599,445	1,429,846	1,217,630	1,014,926	813,678	658,379	501,027	332,980	191,504	91,923	0
Backlog % of Asset Value	5.64%	5.03%	4.27%	3.55%	2.83%	2.26%	1.71%	1.12%	0.64%	0.30%	0.00%
Asset Value	28,360,593	28,435,825	28,516,294	28,606,075	28,749,369	29,149,244	29,293,369	29,674,494	29,754,369	31,033,369	31,033,369
<b>Facilities/Plants</b>											
State of Good Repair Funding	114,050	190,050	220,263	238,203	249,506	192,289	193,434	197,233	165,550	195,750	195,750
Accumulated Backlog Est. (yr end)	660,393	611,877	533,149	436,480	328,508	277,753	225,854	170,155	146,139	91,923	
Backlog % of Asset Value	9.01%	8.34%	7.27%	5.94%	4.43%	3.60%	2.93%	2.12%	1.82%	0.99%	0.00%
Asset Value	7,329,578	7,336,602	7,338,102	7,351,102	7,418,665	7,710,665	7,713,665	8,021,665	8,024,665	9,248,665	9,248,665
<b>Linear Infrastructure</b>											
State of Good Repair Funding	219,749	278,424	295,742	303,084	312,199	342,207	363,739	371,590	377,663	306,536	306,536
Accumulated Backlog Est. (yr end)	939,053	817,968	684,482	578,446	485,170	380,626	275,173	162,825	45,365		
Backlog % of Asset Value	4.47%	3.88%	3.23%	2.72%	2.27%	1.78%	1.28%	0.75%	0.21%	0.00%	0.00%
Asset Value	21,031,015	21,099,223	21,178,192	21,254,973	21,330,705	21,438,580	21,579,705	21,652,830	21,729,705	21,784,705	21,784,705

- 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 4.8% of its replacement value at the end of 2013, compared to 8.7% for facilities.
- Toronto Water has planned for a significant investment in both its linear renewal program, as well as its facilities/plants over the next 10 years to address its state of good repair backlog based on assessments undertaken in 2005 and 2008.
- Additional condition assessments of infrastructure continue to be undertaken based on asset classes. 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. Condition assessments of sewage pumping stations continue to be undertaken on a prioritized basis and a facility condition assessment is planned to be undertaken over 2 years starting in 2015. New methods for inspection of pressurized pipe are being explored to assess condition of assets without taking the pipes out of service during the inspection.

- In addition to the condition assessments, Toronto Water is undertaking a review to define its requirements to develop 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 2015. The General Manager, Toronto Water will provide a status update on the state of good repair backlog, as part of the 2016 Budget Process.

## 10-Year Capital Plan: Net Operating Budget Impact

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

Projects	2015 Budget		2016 Plan		2017 Plan		2018 Plan		2019 Plan		2015 - 2019		2015 - 2024	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
<b>Previously Approved Projects</b>														
Dufferin Reservoir Expansion	27.0										27.0		27.0	
Ashbridges Bay Process & Equipment	100.0										100.0		100.0	
Ashbridges Bay Odour Control	175.0										175.0		175.0	
Ashbridges Bay WWTP "D" Building and Biofilter	300.0										300.0		300.0	
Ashbridges Bay WWTP - New Generators	155.0										155.0		155.0	
Humber Treatment Plant - Chlorine Facility Upgrades	100.0	1.0									100.0	1.0	100.0	1.0
Humber Treatment Plant - Odour Control	95.0										95.0		95.0	
Automated Water Meter Program	(331.0)	(7.0)	(1,340.0)	-17.0							(1,671.0)	(24.0)	(1,671.0)	(24.0)
Humber Treatment Plant - Cogeneration Upgrades					(600.0)						(600.0)		(600.0)	
Highland Creek WWTP Process and Facility Upgrades - Biosolids Treatment Upgrades							5,220.0		5,530.0		10,750.0		10,750.0	
Highland Creek WWTP Process and Facility Upgrades - Corrosion Control	15.0		63.0		52.0						130.0		130.0	
Laboratory Equipment (Warranty Expiry)	45.0										45.0		45.0	
Transmission Operations Optimiser			100.0	1.0							100.0	1.0	100.0	1.0
Business IT Projects									250.0	2.0	250.0	2.0	250.0	2.0
Waterfront/ East Bay					240.0						240.0		240.0	
CCTV Inspection	139.5	2.0	128.7	1.0	87.1	1.0					355.3	4.0	355.3	4.0
Basement Flooding Relief			100.0		100.0		53.0				253.0		253.0	
SWM End of Pipe Facilities - North Toronto			50.0								50.0		50.0	
<b>New Projects - Future Years</b>														
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
Ashbridges Bay WWTP - Desinfection Construction					103.0	1.0					103.0	1.0	2,607.0	1.0
<b>Total</b>														
<b>Program (Net)</b>	<b>820.5</b>	<b>(4.0)</b>	<b>(898.2)</b>	<b>(15.0)</b>	<b>(17.9)</b>	<b>2.0</b>	<b>5,273.0</b>	<b>-</b>	<b>5,895.0</b>	<b>3.0</b>	<b>11,072.4</b>	<b>(14.0)</b>	<b>13,626.4</b>	<b>(13.0)</b>

The 10-Year Capital Plan will increase future year Operating Budgets by a total of \$13.626 million net over the 2015 – 2024 period, as shown in the table above. Approved permanent positions will decrease by 13 over the 10-year time frame. The operating cost increase is comprised of funding to sustain the following capital projects:

- As a result of previously approved projects, new buildings and processes will be operational in 2015 and 2016. Toronto Water requires additional chemicals, energy and utilities, as well contracted services for the Ashbridges Bay and Highland Creek Wastewater Treatment plants. There will be also need for additional positions at the Humber Treatment Plant. Savings of \$0.600 million will be generated in 2017 as a result of cogeneration facility upgrades at the Humber WWT Plant.
- There will be operating cost increases, including additional positions emanating from the implementation of the Wet Weather Flow Master Plan projects including the future storm water and combined sewer overflow management End of Pipe Facilities projects at Etobicoke and Scarborough waterfronts, as well as from Ashbridges Bay WWTP effluent system upgrades.

- A total of 4 new positions will be added for linear infrastructure CCTV inspection scans, while the water services transmission optimization process requires one new position in 2016.
- It should be noted that there will be a net reduction of 7 positions in 2015 and 17 positions in 2016, due to the implementation of automated meter reading system, resulting in total savings of \$1.671 million over the two year period.
  - This adds to a reduction of 7 positions and savings of \$0.397 million realized from the project implementation in 2014.

**Table 6  
Capital Project Delivery: Temporary Positions**

Position Title	CAPTOR Project Number	# of Positions	Project Delivery		Salary and Benefits \$ Amount( \$000s)					
			Start Date	End Date (m/d/yr)	2015	2016	2017	2018	2019	2020 - 2024
Manager Work Management System	WAT9063									
System Integrator 1	34-23 & WAT	1.0	04/01/2015	12/31/2020	89.6				(89.6)	
Maintenance Planner & Scheduler	907946-7	1.0	04/01/2015	12/31/2020	87.3				(87.3)	
ABTP P Building Area Supervisor Process O&M		1.0	04/01/2015	12/31/2023	113.0					(113.0)
<b>Total</b>		<b>3.0</b>			<b>289.8</b>				<b>(176.9)</b>	<b>(113.0)</b>

Approval of the 2015 – 2024 Capital Budget and Plan will result in a requirement for 2 new temporary capital project delivery positions to implement the Work Management System as well as one area supervisor position for the Ashbridges Bay Wastewater Treatment Plant "P" Building, as outlined in the table above.

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

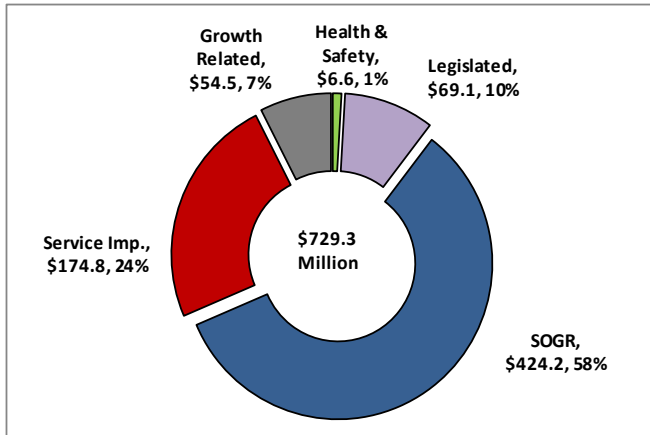


## **Part II:** 2015 Capital Budget

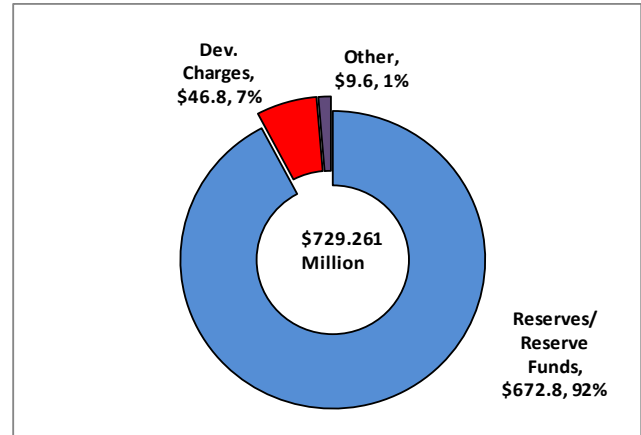
## Capital Budget

### 2015 Capital Budget by Project Category and Funding Source (In \$000s)

2015 Capital Budget by Project Category (\$Millions)



2015 Capital Budget by Funding Source (\$Millions)



The 2015 Capital Budget, excluding funding carried forward from 2014 to 2015, requires new 2015 cash flow funding of \$729.261 million. The 2015 Capital Budget expenditures are allocated to the following categories:

- *Health & Safety* (\$6.615 million, 1%). This includes building and electrical upgrades at wastewater treatment plants.
- *Legislated* (\$69.093 million, 9%). The most significant project in 2015 is the Humber Wastewater Treatment Plant odour control.
- *State of Good Repair (SOGR)* (\$424.223 million, 59%) Approximately \$182.910 million or 43% of the total 2015 SOGR funding will be dedicated to watermain and sewer replacement and rehabilitation projects.
- *Service Improvements* (\$174.836 million, 24%) provide funding for Basement Flooding Protection projects and elements of the Wet Weather Flow Master Plan such as stormwater management facilities design and contract administration.
- *Growth Related* (\$54.494 million, 7%) are expansion projects required for future water supply and wastewater treatment demand such as new service connections.

The 2015 Capital Budget is financed primarily by:

- Toronto Water's reserves, which account for approximately 92% or \$672.846 million of total financing.
- Development Charges funding, which has been maximized based on eligible growth component of capital projects and provide funding of \$46.766 million or 7% of the 2015 Capital Budget.
- Capital cost sharing with York Region for construction of new water and sewer connections, represents 1% or \$9.649 million of 2015 funding.
- Toronto Water's 2015 Capital Budget continues to be self-sustaining and does not require debenture financing. It does not impact the municipal property tax levy.

**Table 7**  
**2015 Cash Flow & Future Year Commitments (In \$000s)**

	2014 Carry Forwards	2015 Cash Flow	Total 2015 Cash Flow (Incl 2014 C/Fwd)	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total 2015 Cash Flow & FY Commits
<b>Expenditures</b>													
Previously Approved	55,982	683,650	739,632	630,161	527,741	294,364	186,100	91,861	65,631	56,959	52,152		2,644,601
Change in Scope		(40,790)	(40,790)	78,709	88,446	78,858	22,794	54,551	51,372	(492)	4,278	21,400	359,126
New		86,401	86,401	139,896	138,970	94,858	88,220	74,890	68,390	30,040	24,090	18,530	764,285
New w/Future Year													
<b>Total Expenditure</b>	<b>55,982</b>	<b>729,261</b>	<b>785,243</b>	<b>848,766</b>	<b>755,157</b>	<b>468,080</b>	<b>297,114</b>	<b>221,302</b>	<b>185,393</b>	<b>86,507</b>	<b>80,520</b>	<b>39,930</b>	<b>3,768,012</b>
<b>Financing</b>													
Debt													
Other	298	9,649	9,947	8,560	10,526	8,726	676	27					38,462
Reserves/Res Funds	51,091	672,846	723,937	795,414	689,786	432,175	281,171	211,686	176,189	83,209	77,511	37,349	3,508,427
Development Charges	4,593	46,766	51,359	44,792	54,845	27,179	15,267	9,589	9,204	3,298	3,009	2,581	221,123
Provincial/Federal													
<b>Total Financing (including carry forward funding)</b>	<b>55,982</b>	<b>729,261</b>	<b>785,243</b>	<b>848,766</b>	<b>755,157</b>	<b>468,080</b>	<b>297,114</b>	<b>221,302</b>	<b>185,393</b>	<b>86,507</b>	<b>80,520</b>	<b>39,930</b>	<b>3,768,012</b>

Approval of the 2015 Capital Budget of \$785.243 million will result in the following:

- \$55.982 million in 2014 funding that will be carried forward into 2015 for on-going upgrades at the Ashbridges Bay Treatment Plant, Humber Treatment Plant and Highland Creek Treatment Plant as well as Business & Process Control System Improvement Projects and Waterfront Project work that commenced in 2014.
- New project funding of \$17.902 million which funds the 2015 contributions to Critical Erosion and Storm Water Management funding provided to the Toronto Regional Conservation Authority.
- Multi-year funding of \$711.359 million in 2015 which will require future year commitments of \$2.983 billion from 2016 to 2024 for initiatives that will either commence or continue in 2015 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 rate.



2015 Capital Project Highlights

Table 8  
2015 Capital Project Highlights (in \$000s)

Project	Total Project Cost	2015	2016	2017	2018	2019	2015 - 2019	2020	2021	2022	2023	2024	2015 - 2024 Total
ASHBRIDGES BAY T.P. - III YR2004	N/A	1,495	50	30			1,575						1,575
ASHBRIDGES BAY T.P. YR2006	N/A	810	510	1,049			2,369						2,369
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	N/A	950	2,760	3,250	3,095	60	10,115	50					10,165
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	N/A	860	11,730	12,339	3,400	5,950	34,279	4,167	4,123	4,100	700		47,369
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	N/A	42,582	47,287	55,050	66,131	51,000	262,050	56,000	55,000	49,000	49,500	19,500	491,050
ASHBRIDGES BAY WWTP - O&M UPGRADES	N/A	5,270	9,657	5,500			20,427						20,427
ASHBRIDGES BAY WWTP - ODOUR CONTROL	N/A	2,643	12,687	8,400	122		23,852						23,852
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	N/A	3,000	3,725	17,046	13,200	6,710	43,681	6,710	2,960	110	80		53,541
ASHBRIDGES BAY WWTP REHAB	N/A	19,810	28,418	28,581	26,307	13,944	117,060	5,090	2,636	599	400		125,785
ASHRIDGES BAY TP YR2005	N/A	3,770	3,714	3,275	1,438		12,197						12,197
AVENUE ROAD TRUNKMAIN REPLACEMENT	N/A	354	1,090				1,444						1,444
BASEMENT FLOODING RELIEF	N/A	62,965	81,333	127,594	91,976	53,983	417,851	45,204	26,497	16,840	15,190	12,150	533,732
BUSINESS IT PROJECTS	N/A	1,033	2,069	1,621	1,272	1,373	7,368	500					7,868
BUSINESS SYSTEM INFRASTRUCTURE - PW	N/A	10,328	8,620	7,174	8,060	7,815	41,997	4,150	1,180	960	900	900	50,087
CLARK RESIDUE MGMT. FACILITIES	N/A	380	950				1,330						1,330
CONVEYANCE CONTROLS - REPLC & REHAB	N/A	44					44						44
DIST SEWER REHAB OPS YR2005	N/A	388	12				400						400
DIST W/M REHABILITATION	N/A	50,788	62,572	67,108	21,167	5,400	207,035						207,035
DIST W/M REPLACEMENT	N/A	62,323	34,711	13,628	1,000	1,000	112,662						112,662
DIST WATER SERVICE REPAIR	N/A	22,934	25,169	13,750			61,853						61,853
DISTRICT WATERMANS - NEW	N/A	102	500				602						602
DON & WATERFRONT TRUNK CSO	N/A	6,150	12,601	4,000	5,546	5,180	33,477	5,180	5,180	5,307	5,180	1,000	55,324
DOWNTOWN W/M ENHANCEMENT	N/A	11,932	7,821	7			19,760						19,760
EMERY CREEK POND	N/A	3,900	1,073				4,973						4,973
ENGINEERING	N/A	51,219	26,524	11,954	5,651	1,502	96,850	1,108	3,025				100,983
ENGINEERING STUDIES	N/A	1,647	779	120	60	-	2,606						2,606
EQUIPMENT REPLACEMENT & REHABILITATION	N/A	386	4,858	5,220	3,890	20	14,374	30					14,404
FJ HORGAN W.T.P. R&R	223,728	3,412	6,500	5,583	3,050	320	18,865	149					19,014
FJ HORGAN W.T.P. R&R	N/A	84					84						84
GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	N/A	5,680					5,680						5,680
HARRIS W.T.P. R&R	N/A	7,187	17,572	12,135	6,208	3,507	46,609						46,609
HIGHLAND CREEK T.P. - IV YR2004	N/A	63	120				183						183
HIGHLAND CREEK TP YR2005	N/A	122	115	5			242						242
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	N/A	1,000	3,500	4,000	4,000	2,800	15,300						15,300
HIGHLAND CREEK WWTP - ODOUR CONTROL	N/A	15,505	18,475	16,920	16,100	6,380	73,380						73,380
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	N/A	746	7,100	4,050	1,500	3,000	16,396	2,000	2,000	250	250	-	20,896
HIGHLAND CREEK WWTP UPGRADES	N/A	19,657	41,487	25,905	14,125	17,647	118,821	12,653	9,150	4,135	3,200	1,380	149,339
HORGAN TRUNK MAIN EXPANSION	N/A	900	6,100	30,900	26,600	2,050	66,550	50					66,600
HORGAN W.T.P. EXPANSION	N/A	3,496	5,264				8,760						8,760
HUMBER T.P.	N/A	200	200	109			509						509
HUMBER T.P. - II YR2004	N/A	155	5	7	7		174						174
HUMBER TP YR2005	N/A	1,793	1,750	174	100	101	3,918						3,918
HUMBER WWTP - LIQUID TREATMENT & HANDLING	N/A	9,330	26,134	49,025	48,600	48,582	181,671	47,000	41,405	150	120		270,346
HUMBER WWTP - O&M UPGRADES	N/A	9,584	5,877	4,850			20,311						20,311
HUMBER WWTP - ODOUR CONTROL	N/A	32,730	11,750	3,385			47,865						47,865
HUMBER WWTP UPGRADES	N/A	9,137	8,007	8,647	3,018	1,263	30,072	260	25	25			30,382
ISLAND PLANT WINTERIZATION	N/A	56	515				571						571
ISLAND W.T.P. R&R	N/A	719	2,530	7,485	7,250	7,250	25,234	2,050	10				27,294
ISLAND W.T.P. R&R	N/A	3,755	6,426	2,990	95		13,266						13,266
Land Acquisition for Source Water Protect	N/A	8,500					8,500						8,500
LAWRENCE ALLAN REVITALIZATION PLAN	N/A	6,471	3,354	18,078	2,127	3,531	33,561						33,561
METERING & METER READING SYS	232,155	26,920	30,367	2,515			59,802						59,802
NEW SERVICE CONNECTIONS	N/A	26,082	26,180	13,500	2,500		68,262						68,262
NEW SEWER CONSTRUCTION	N/A	3,500	8,000	7,000	5,000	5,000	28,500	5,000	5,000	5,000	5,000	5,000	53,500
NORTH TORONTO WTP UPGRADES	N/A	2	752	500	250		1,504						1,504
OPERATIONAL SUPPORT	N/A	4,110	4,330	5,824	5,780	5,393	25,437	25	25				25,487
PW ENGINEERING	N/A	3,390	4,524	4,285	1,635	1,000	14,834						14,834
REGENT PARK CAPITAL CONTRIBUTION	N/A	1,215	1,803	475	1,090	632	5,215	37	54	31			5,337
RL CLARK W.T.P. R&R	N/A	12,644	9,890	22,212	13,445	25	58,216						58,216
SEWAGE PUMPING STATION UPGRADES	N/A	8,565	3,796	3			12,364						12,364
SEWER ASSET PLANNING	N/A	11,658	16,782	14,945	12,351	12,500	68,236	11,000	5,495				84,731
SEWER REPLACEMENT PROGRAM	N/A	44,446	20,268	7,396	1,900	1,786	75,796						75,796
SEWER SYSTEM REHABILITATION	N/A	35,068	39,822	30,412	10,800	3,665	119,767	1,028	28				120,823
STREAM RESTORATION & EROSION CONTROL	N/A	12,361	6,895	4,889	2,026	1,815	27,986	50					28,036
SWITCH GEAR TRANSFORMER	N/A	5,000	5,400	3,703			14,103						14,103
SWM TRCA FUNDING	N/A	4,069	-	-			4,069						4,069
SWM END OF PIPE FACILITIES	N/A	10,400	4,851	6,550	11,200	12,170	45,171	11,750	21,600				78,521
SWM SOURCE CONTROL PROG	N/A	150	150	150	150		600						600
TRANSMISSION R&R	N/A	21,974	29,140	18,225	1,116	112	70,567						70,567
TRUNK SEWER SYSTEM	N/A	27,282	24,096	8,147	1,784	96	61,405	11					61,416
TRUNK WATERMAIN	N/A	750	2,250	2,250	260	250	5,760						5,760
TRUNK WATERMAIN EXPANSION	N/A	400	600	700	400	50	2,150	50					2,200
W&WW LABORATORIES	N/A	120	120	150	210		600						600
WATER EFFICIENCY PROGRAM	N/A	520	520	520			1,560						1,560
WATER STORAGE EXPANSION	N/A	197					197						197
WATER SUSTAINABILITY PROGRAM	N/A	1,370	18,157	12,005	20	2	31,554						31,554
WESTERN BEACHES RETROFIT	N/A	1,203	4,100	1,000			6,303						6,303
WET WEATHER FLOW MP	N/A	13,502	21,972	6,857	11,068	2,250	55,649						55,649
<b>Total (including carry forward funding)</b>		<b>785,243</b>	<b>848,766</b>	<b>755,157</b>	<b>468,080</b>	<b>297,114</b>	<b>3,154,360</b>	<b>221,302</b>	<b>185,393</b>	<b>86,507</b>	<b>80,520</b>	<b>39,930</b>	<b>3,768,012</b>

The 2015 Capital Budget provides funding of \$785.243 million to:

- Continue state of good repair projects to address infrastructure renewal such as District Watermain Replacement and Rehabilitation (\$126.861 million) and Sewer System Replacement and Rehabilitation (\$57.282 million) and Reservoir and Pumping Station (\$12.159 million);
- Continue upgrades at Ashbridges Bay (\$81.192 million), Highland Creek (\$37.093 million) and Humber (\$63.315 million) Wastewater Treatment plants.
- Continue the Basement Flooding Protection projects (\$62.965 million), implementation of the Wet Weather Flow Master Plan (\$47.918 million), and contributions to the TRCA's Critical Erosion project (\$12.569 million);
- Continue the implementation of the Automated Water Meter Reading Program (\$26.920 million);
- Continue Business Infrastructure and Intelligence IT Initiatives (12.941 million); and
- Begin the R.C Harris Water Treatment Plant Rehabilitation of Settling Basin Roof (\$25.0 million) and the St. Clair Reservoir Rehabilitation (\$23.5 million).



## **Part III:**

Issues for Discussion

## Issues for Discussion

### Issues Impacting the 2015 Capital Budget

#### *Water Consumption Forecast*

- As noted in the 2015 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 2006-2013 period, Toronto's water consumption has declined approximately 13%, from 377 to 333 million cubic metres.
- In 2014, actual consumption continued to decline, mostly due to unusually high rainfall and cold temperatures during the summer months. The 2014 total consumption is projected to be 2% lower than the 2013 actual consumption.
- The 2015 Water and Wastewater Rate Model assumes that the 2015 (and future year) consumption will remain at the same level as the 2014 projected actuals. As a result, anticipated revenues will decrease by \$212.2 million over the 10 year planning period.
- 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*

- During the 2014 Budget process, City Council amended, for future planning purposes, the Capital Plan to reflect a water rate increase of 8% in the years 2015, 2016 and 2017 and directed that staff report back during the 2015 Budget process on additional financing options.
- While a separate report is being prepared on the financing options to support the Toronto Water's 10-Year Capital Plan, the 2015 Water and Wastewater Model incorporates water rate increases of:
  - 6.5% for 2015 (8% increase, annualized based on the 2015 Budget approval on March 10 and 11, 2015, effective March 13, 2015).
  - 8% in 2016.
  - 5% in 2017 and 2018.
  - 3% from 2019 to 2024.
- Overall, the water rates increases are slightly lower than directed by Council as they are better aligned to Toronto Water's 10-Year Capital Program delivery schedules.
- The rate increases will generate additional revenues of approximately \$1.117 billion, compared to revenues projected in the 2014 Water and Wastewater Rate Model which were based on the 3% increase over the 2015-2023 period. This, combined with other available revenue sources, has enabled Toronto Water to add previously unfunded/underfunded projects totalling \$797.234 million to its 2014-2023 Approved Capital Plan, and increase its focus on the delivery of service improvement and growth related projects.

- Funding for the *Basement Flooding Protection Program* of \$548.194 million over the 10-year planning period was added.
- *Wet Weather Flow Master Plan* projects totalling \$106.080 million were accelerated into the 10 year Capital Plan.
- The following should be noted:
  - Based on the 2015-2024 Water and Wastewater Rate Model, sufficient revenues will be generated to fund the 2015-2024 Capital Budget and Plan, leaving a healthy capital financing reserve balance of \$229 million at the end of the 10-year period. Due to the fact that the reserve balance goes down to approximately \$1.6-1.7 million in years 2021 and 2022, as some of the largest multi year projects are nearing completion, anticipated rate increases could not be lower than those incorporated in the Rate Model.
  - The previously unfunded TRCA Scarborough Waterfront Trail (\$54 million) has not been included in the 10-Year Capital Plan since this project is awaiting results of the Environmental Impact Assessment that is currently underway.
  - 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 determined based on the portion of work associated with soil erosion component only.

## 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 \$28.044 billion with some infrastructure dating back to the 1800s. The construction of water and wastewater infrastructure in Toronto has aligned with urban growth cycles, and much of the City's infrastructure is reaching the end of its theoretical service life. For example, approximately 20% of the City's watermain infrastructure is 80 years or older.
- 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 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 2013 year-end value of the infrastructure renewal backlog is estimated at \$1.641 billion, reflecting 5.8% of Toronto Water's total asset value of \$28.256 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 2015. It is that the General Manager, Toronto Water provide a status update on the estimated state of good repair backlog as part of the 2016 Budget Process.
- The 10-Year Capital Plan State of Good Repair funding totals \$5.658 billion and has annual cash flow funding of: 2015 - \$424.223 million; 2016 – \$606.288 million; 2017 - \$621.124 million; 2018 – \$607.949 million; 2019 - \$587.573 million; 2020 - \$621.047 million; 2021 – \$605.047 million; 2022 - \$549.442 million; 2023 - \$529.143 million; and, 2024- \$515.207 million that will contribute towards reducing the watermain and sewer break rate.
- On average, approximately \$566 million will be directed annually to address the state of good repair backlog over the 10 year planning horizon. Assuming that the 2014 state of good repair backlog estimate will remain unchanged, the year-end backlog will be reduced from \$1.641 billion in 2013 to \$612.430 million by year 2019 and then eliminated in the year 2024.
- For the purposes of the State of Good Repair Backlog analysis, the City’s stormwater management facilities, including stormwater ponds and underground storage tanks have not been included as they are relatively new infrastructure. A state of good repair backlog has not been established for stream restoration to address erosion scars due to changing site conditions resulting from each extreme weather event. Restoration is planned on a priority basis to protect existing infrastructure and in coordination with the Toronto Region Conservation Authority.

### *Extreme Weather Events*

- The City of Toronto is experiencing more severe storms that have resulted in wide spread and recurring basement and surface flooding.
  - The storm of July 8, 2013, especially in the Etobicoke and York areas of the City, is an example of an extreme event where surface runoff far exceeded the carrying capacity of the storm sewers, local ditches, roadways, and streams. Once the City's sewer system capacity is exceeded, basement flooding may occur and spread quickly. More than 4,700 basement flooding complaints were received during and immediately following the July 8, 2013 storm.
  - Another example of extreme weather event is the 2013 Ice Storm that resulted in wide-spread power outages and damage to the City's tree canopy. In turn, fallen trees and tree limbs took down power lines and created hazardous conditions blocking not only roadways and public trails, but waterways as well.
  - The total costs of the above two storm events to Toronto Water were estimated at \$10.054 million.
  - In addition, during the 2014 winter (January to March), due to the extremely cold weather, Toronto Water experienced an unprecedented number of watermain breaks, leaking and frozen water services, not seen in 20 years. As a result, contractors carried out 850 repairs during that period compared to 78 and 122 repairs during the same period in 2013 and 2012 respectively. Additional costs to Toronto Water were estimated at \$7.021 million (\$3.400 million in capital and \$3.621 million in operating costs).

*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 in these areas for sanitary sewer and 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 more 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 Staff Report bringing the total to 41 areas.
- As of the end of November 2014, Basement Flooding Environmental Assessment (EA) studies for 25 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. Eight studies are ongoing and they will be completed in 2015. Studies for remaining 8 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.
  - To date, \$173.0 million has 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 \$100 million in construction projects has been committed.
- The 2015 – 2024 Capital Budget and Plan includes \$1.547 billion in funding for Basement Flooding Relief projects, representing an increase of \$591.290 million over the approved funding in the 2014-2023 Capital Plan of \$955.710 million for projects which were part of the original Basement Flooding Protection Program. Toronto Water has also allocated an additional \$12.0 million in 2014 to initiate work on EA studies for new basement flooding study areas. The current 41 basement flooding study areas cover approximately 39% of the City.
- 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 41 study areas need to be continuously updated, as basement flooding EA studies are completed and new works are recommended.
  - In addition, beyond the 41 previously delineated study areas, another 26 new study areas have been delineated to address the city wide expansion of the program. As these new EA studies are completed, even further ongoing updates to the cost to implement basement flooding protection projects will be needed.
  - The identification of the 26 new study areas (bringing the total to 67 Study Areas) is being presented in a Staff Report to City Council as part of the 2015 Capital Budget Process.
  - In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that will deliver more quickly and more efficiently a larger number of infrastructure improvements, and meet the needs of the city-wide expansion of the Program.

#### *Mandatory Downspout Disconnection & Basement Flooding Protection Subsidy Program*

- To enhance the City's drainage systems another two other components were added to the Basement Flooding Protection Program: a mandatory downspout disconnection bylaw to slow and reduce the volume of runoff reaching storm sewers during a rain event, and a subsidy program, offering up to \$3,200, to encourage home isolation through the installation of backwater valves on sanitary sewer service lines, the installation of sump pumps to remove foundation drainage, and severing and capping storm sewer service lines to reduce the risk of storm sewer back-ups.
- During the 2014 Budget Process, Council approved that applications processed after January 2, 2014, would be eligible for a total subsidy available under the Basement Flooding Protection Subsidy Program of \$3,400 per household by removing the combined subsidy for a backwater valve and sump pump.
  - In response to a significant increase in program application volumes, the 2015-2024 Capital Budget and Plan allocates \$5.5 million annually.
- A plan for enforcement of the Mandatory Downspout Disconnect Program Phase 1 (combined sewer areas) and implementation of Phase 2 (basement flooding areas) as set out in Municipal Code Chapter 681, as part of the Basement Flooding Protection Program was presented in the report titled "***Update on Implementation of the Mandatory Downspout Disconnection Program***" from the General Manager, Toronto Water and approved concurrently with the 2014 Capital and Operating Budget for Toronto Water.
  - The report indicated that a high compliance rate can be achieved through education, communications and outreach, grounded by the by-law. Rather than embark on an aggressive enforcement program that may achieve only very limited results and may incur costly litigation, a multi-year enhanced education, communication and outreach strategy will be continued to boost compliance with the by-law across the City.



### *Stream Restoration and Critical Erosion Projects*

- As a part of its Stormwater Management Program, Toronto Water provides an annual funding contribution to the TRCA for stream restoration and erosion control projects. The 2015-2024 Capital Budget and Plan includes a total of \$91.500 million over a 10-year period.
- In approving the "***Impact of July 8, 2013 storm on the City's Sewer and Stormwater Systems***" report, City Council requested the Toronto and Region Conservation Authority to forward to the General Manager, Toronto Water, information on houses within the flood plain that are most vulnerable to flooding from the Black Creek Watershed and that the General Manager, Toronto Water, provide this information in a report to the Public Works and Infrastructure Committee in February 2014.
- A report titled "Coordinated Watercourse Management Plan" from the General Manager Toronto Water, with appropriate recommendations was approved by Council at its meeting of June, 10, 11, 12 and 14, 2014. Further details are provided under the Issues Referred to 2015 Budget Process section.

### *Recent Regulations*

- The provision of water and wastewater services in Ontario continues to experience increased legislative and regulatory reform. Key provincial regulations include:
  - Bill 195 (Safe Drinking Water Act) provides policy and practice for water testing for the protection of human health and the prevention of drinking water health hazards. It requests that municipalities publish annual reports describing the operation of the water system and the results of testing required to ensure that residents are provided with safe drinking water.
  - Bill 43 (Clean Water Act) which provides protection for municipal drinking water supplies through developing collaborative; locally driven; science-based protection plans by municipalities; conservation authorities; and, the public.
- The most recent Federal regulations enacted on July 18, 2012 under the Fisheries Act, are the first federal regulations that specifically address municipal wastewater treatment plant effluents. They impose operational, administrative, and financial burdens on the City due to additional regulatory requirements beyond those already imposed by the Ontario Ministry of the Environment and Climate Change (MOECC).
  - Toronto Water has developed an action plan to address the new Federal Fisheries Act Wastewater Systems Effluent Regulations by January 2015.
  - Toronto Water's 2015-2024 Capital Budget and Plan includes funding for design and construction of a new effluent disinfection system at the Ashbridges Bay Wastewater Treatment Plant estimated at \$197.695 million.

## **Issues Referred to the 2015 Capital Budget Process**

### *Funding Pressures:*

- At its meeting of October 30, 31 and November 1, 2012, Council in considering a report titled "***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 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 and 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 and 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 and 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 options that were identified in order to generate more revenues are:
  - 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 and 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.
- A report titled **"Stormwater Charge as a Funding Option for Investing in Toronto Water Infrastructure"** will be submitted to the Executive Committee for consideration in early 2015. The purpose of this report is to report back City Council on funding models to generate revenue for Toronto Water's Capital Program. The report advises on the implementation of a charge that is dedicated to funding stormwater management projects.

*Storm Water Management*

In approving the report titled "**Expansion of the Basement Flooding Protection Program's Priority Study Areas**" from the General Manager, Toronto Water which was considered by City Council concurrently with the 2014 Capital and Operating Budget for Toronto Water (Council meeting of December 16, 17 and 18, 2013), City Council directed the General Manager, Toronto Water to:

- Prioritize future Basement Flooding Protection Program studies based on the density of reported basement flooding complaints per sanitary sewer subwatershed for major storm events since 2000. The density of reported basement flooding complaints will be calculated on the basis of the number of complaints of basement flooding received by the City divided by the land area serviced by the sanitary sewer subwatershed.
  - Toronto Water is submitting a report back to City Council as part of the 2015 Budget Process that will identify and prioritize new basement flooding study areas for the remainder of the City based on the density of basement flooding complaints per sanitary sewer subwatershed for major storms since year 2000.
- Report back on the schedule of future Basement Flooding Protection Program study areas (for Study Area 42 and beyond), across the remainder of the city, as part of Toronto Water's 2015 Budget Submission.
  - The above Staff Report will include a schedule for undertaking Basement Flooding Environmental Assessment studies in new basement flooding study areas for the remainder of the City.
- Initiate and expedite the completion of new Environmental Assessment studies for Area 35 (Silver Creek subwatershed), Area 36 (Chapman subwatershed), Area 37 (Hillary subwatershed), Area 38 (Etobicoke Creek subwatershed), Area 39 (Berry Creek subwatershed), Area 40 (Forman-Yonge subwatershed), and Area 41 (North Mimico Creek subwatershed).
  - Toronto Water requested Council to amend its 2014 Capital Budget and Plan to add funding of \$ 12.0 million over the 2014-2016 period to allow the award of these new EAs. Funding for completion of new EA studies has been included in the 2015-2024 Capital Budget and Plan.
  - A Request for Proposal was issued for engineering consulting firms to undertake the Basement Flooding EA studies for eight study areas (Area 34 and the seven new basement flooding study areas (Areas 35 to 41) identified in 2013. The EA studies are expected to begin in early 2015 and be completed in 2017.
- Report to the Public Works and Infrastructure Committee prior to the 2015 Budget process on a Response Protocol with financial impacts for basement flooding caused by project work within the Basement Flooding Relief Program.
  - A report will be prepared by Engineering and Construction Services Division in coordination with the Toronto Water Division in early 2015.
- Report back in early 2014 on a coordinated, prioritized Toronto Water and Toronto Region Conservation Authority erosion control strategy and projects, such report to consider an Environmental Assessment for the Scarborough Waterfront Trail and Critical Erosion.

A report titled "**Coordinated Watercourse Management Plan**" from the General Manager Toronto Water, was approved by Council at its meeting of June, 10, 11, 12 and 14, 2014 confirming the Watercourse Management principles in Toronto, as well as the following recommendations:

- That future funding for the Toronto and Region Conservation Authority Erosion Management Program be considered in conjunction with the upcoming report by the Deputy City Manager and Chief Financial Officer, and the General Manager, Toronto Water to the Executive Committee on financing strategies to support Toronto Water's long term Capital Plan.
- The General Manager, Toronto Water continue to report to City Council, as part of the annual Toronto Water budget submission, on the 10-year Toronto and Region Conservation Authority/Toronto Water coordinated capital plan of erosion improvement works.

Toronto Water's 2015-2024 Capital Budget Plan allocates funding of approximately \$103.616 million over the next 10 year horizon for stream restoration and erosion management to carry out works to protect its own infrastructure in valley lands. In addition, Toronto Water will increase its contribution to the TRCA critical erosion projects by \$65.000 million, from \$72.088 million to \$137.088 million.

- In approving the report titled "**Ashbridges Bay Landform Project - Erosion and Sediment Control Class Environmental Assessment**" City Council at its meeting of June, 10, 11, 12 and 14, 2014 authorized the General Manager, Toronto Water, as a co-proponent with the Toronto and Region Conservation Authority, to finalize the Environmental Study Report and issue a Notice of Study Completion for the Ashbridges Bay Erosion and Sediment Control Class Environmental Assessment and subject to completion of the Class Environmental Assessment to:
  - Proceed to undertake the detailed design of the Ashbridges Bay landform project in 2014 as a joint initiative to be led by the Toronto and Region Conservation Authority; and
  - Report back, through the 2015 Capital Budget process, on an implementation plan for the Ashbridges Bay landform project including a construction phasing schedule, costs and revenues, and other implementation details.
  - The Environmental Study Report for the Ashbridges Bay Landform Project - Erosion and Sediment Control Class Environmental Assessment was filed for the mandatory 30-day review period in October 2014 and detailed design of the project with TRCA will begin upon completion of the Class EA process. Toronto Water and TRCA will report back to City Council on the implementation plan, costs and other implementation details in 2015.

#### *Green Parking Lot standards:*

- A multi-year capital plan to meet the Green Parking Lot standards for Toronto Water properties was requested by Council at its meeting of October 8, 9, 10 and 11, 2013.
  - In response to this request, Toronto Water is including a review of its parking lots for opportunities to meet the Green Parking lot standards as a part of an overall Facility Condition Assessment that will be undertaken over the next two years. A multi year plan will be presented as part of the budget submission process upon completion of the study.

#### *Green Streets:*

- In October 2013, City Council also requested the General Manager, Toronto Water, the General Manager, Transportation Services, the Executive Director, Engineering and Construction Services, and the Chief Planner and Executive Director to work together to develop "green infrastructure" standards for the public right of way for implementation in Transportation Services and Toronto Water capital projects with a target implementation date for the 2015 construction season.
  - Toronto Water is participating in the Complete Streets Initiative along with City Planning, Transportation Services, Engineering and Construction Services and other divisions to develop Toronto's Complete Streets Guidelines, which will include guidelines for stormwater management "green" infrastructure within the City's Right-of-Way. The final Guidelines and a recommended implementation strategy are expected to be brought to Council in late 2015/early 2016.

# Appendices

## Appendix 1

### 2014 Performance

#### 2014 Key Accomplishments

By the end of 2014, Toronto Water will complete the following projects:

- Corrosion control system on-line at all four water treatment plants (\$8.0 million)
- Basement flooding Projects including the subsidy program(\$61.0 million)
- 38 km of watermain replacement (\$57.0 million) and 42 km of structural watermain lining (\$26.0 million)
- 15 km of sewer replacement (\$30.0 million) and 85 km of sewer rehabilitation (\$27.0 million)

Strong progress on the following contracts across the Waste Water Treatment Plans (WWTP) which have numerous active multi-year contracts at various stages of construction; none completed in 2014, however significant construction progress has been undertaken:

- Asbridges Bay Treatment Plant Fine Bubble Aeration Tank 2 (\$11.0 million total) - \$4.0 million in 2014
- Asbridges Bay Treatment Plant Standby Power Generation (\$13.0 million total) - \$5.0 million in 2014
- Asbridges Bay Treatment Plant P building upgrades (\$143.0 million total) - \$26.0 million in 2014
- Highland Creek Treatment Plant Biosolids upgrades (\$55.0 million total) – \$7.0 million in 2014
- Highland Creek Treatment Plant Odour control upgrades (\$65.0 million total) - \$2.0 million in 2014
- Humber Treatment Plant Chlorine facility upgrades (\$10.0 million total) - \$4.0 million in 2014
- Humber Treatment Plant New Substation (\$21.0 million total) - \$5 million in 2014
- Humber Treatment Plant, Gas Compressor upgrades (\$23.0 million total) - \$5.0 million in 2014
- Humber Treatment Plant Odour Control (\$53.0 million total) - \$5.0 million in 2014
- Automated Meter Reader Project - \$47.0 million in 2014

#### 2014 Financial Performance

**Table 9**  
**2014 Budget Variance Analysis (In \$000's)**

2014 Approved	As of December 31, 2014		Unspent Balance	
	\$	% Spent	\$ Unspent	% Unspent
616,962	587,826	95.3%	29,136	4.7%

## 2014 Experience

Capital expenditure for the 9 months ending September 30, 2014 totalled \$327.013 million or 53% of the 2014 Approved Capital Budget of \$616.962 million.

This level of spending is slightly ahead of project schedules for the construction of water infrastructure. Toronto Water incurred a majority of the year to date spending for the following large multi-year projects:

- *Automated Meter Replacement (AMR) Program* (\$34.125 million or 72% of the 2014 Approved Capital Budget of \$47.418 million).
- *Basement Flooding Relief Projects* (\$34.463 million or 54% of the 2014 Approved Capital Budget of \$63.911 million)
- *Rehabilitation and Replacement of Linear Infrastructure for Water and Sewers projects* (\$130.378 million or 55% of the 2014 Approved Capital Budget of \$238.287 million).
- *Transmission & Storage Facilities* including the Gerard Street transmission watermain and implementation of corrosion control projects at the water treatment plants (\$28.221 million or 59% of the 2014 Approved Capital Budget of \$47.475 million).
- *Improvements at Ashbridges Bay Treatment Plant* which include the upgrade of primary treatment process and standby power generation (\$41.125 million or 70% of the 2014 Approved Capital Budget of \$58.862 million).
- *Improvements at Highland Creek Treatment Plant* which include the bio-solids treatment upgrades and Waste Activated Sludge and Dewatering process upgrades (\$14.552 million or 55% of the 2014 Approved Capital Budget of \$26.403million).

Toronto Water is projecting spending of \$543.706 million or 88.1% by year-end. The projected year-end spending rate exceeds the Rate Model completion rate target for 2014 of 85% for projects funded from the Toronto Water Capital Financing Reserve.

In 2014, significant progress continued to be made on state of good projects to address infrastructure renewal such as watermain and sewer rehabilitation; transmission projects that include trunk mains and reservoirs; the Ashbridges Treatment Plant upgrades; and implementation of the Basement Flooding Relief projects. These projects are expected *to meet or exceed the targeted spend rate of 85%*.

Toronto Water will also continue to facilitate the New Service Connections projects for development projects and is on schedule with the Water Meter Replacement Program. These projects are expected *to have a spend rate of 100%*.

Toronto Water is forecasting *below the targeted 85% spend rate* for several planned projects due to complexities with engineering and design which led to delayed tendering and awarding of the associated contracts and/or delays associated with on-site work coordination. These projects include:

- *Waterfront Projects* (\$3.5 million or 12.1% of the 2014 Approved Capital Budget of \$29 million).
- *Business & Process Control System Improvements* (\$5.594 million or 58% of the 2014 Approved Capital Budget of \$9.614 million).



- *Facility improvements to RL Clark Treatment Plant, Island Treatment Plant, FJ Horgan Treatment Plant and RC Harris Treatment Plant* (\$12.571 million or 73% of the 2014 Approved Capital Budget of \$17.139 million).
- *Wet Weather Flow projects* (\$29.573 million or 78% of the 2014 Approved Capital Budget of \$37.763 million).
- *Yard and Facility improvements* (\$1.493 million or 77% of the 2014 Approved Capital Budget of \$1.950 million).

**Impact of the 2014 Capital Variance on the 2015 Budget**

- Funding of \$55.982 million for approximately 122 projects have been carried forward and included in Toronto Water's 2015 Capital Budget to complete these projects' work.

# Appendix 2

**Table 10**  
**2015 Capital Budget; 2016 to 2024 Plan (\$'000s)**

Project	Total Project Cost	2015	2016	2017	2018	2019	2015 - 2019	2020	2021	2022	2023	2024	2015 - 2024 Total
ASHBRIDGES BAY T.P. - III YR2004	N/A	1,495	50	30			1,575						1,575
ASHBRIDGES BAY T.P. YR2006	N/A	810	510	1,049			2,369						2,369
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	N/A	950	2,760	3,350	3,195	160	10,415	150	100	100	100	2,100	12,965
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	N/A	860	11,830	52,239	83,400	140,950	289,279	89,167	84,623	79,100	17,700		559,869
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	N/A	42,582	47,287	55,250	67,131	61,100	273,350	77,000	85,000	81,000	99,500	76,500	692,350
ASHBRIDGES BAY WWTP - O&M UPGRADES	N/A	5,270	9,657	5,500	2,500	2,500	25,427	2,500	2,500	2,500	2,500		35,427
ASHBRIDGES BAY WWTP - ODOUR CONTROL	N/A	2,643	12,687	8,400	122		23,852						23,852
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	N/A	3,000	3,725	22,046	28,200	26,710	83,681	21,710	17,960	15,110	80		138,541
ASHBRIDGES BAY WWTP REHAB	N/A	19,810	29,998	39,571	47,372	31,309	168,060	13,630	10,976	9,039	8,940	8,540	219,185
ASHRIDGES BAY TP YR2005	N/A	3,770	3,714	3,275	1,438		12,197						12,197
AVENUE ROAD TRUNK MAIN REPLACEMENT	N/A	354	1,090				1,444						1,444
BASEMENT FLOODING RELIEF	N/A	62,965	82,833	129,094	167,069	176,625	618,586	178,204	183,747	189,090	188,440	188,440	1,546,507
BAYVIEW TRUNK WATERMAIN - PH2	N/A				400	100	500	400	4,000	4,000			8,900
BUSINESS IT PROJECTS	N/A	1,033	2,069	1,621	1,272	1,373	7,368	500					7,868
BUSINESS SYSTEM INFRASTRUCTURE - PW	N/A	10,328	9,683	8,367	9,267	8,652	46,297	4,937	3,391	2,394	2,509	2,479	62,007
CLARK RESIDUE MGMT. FACILITIES	N/A	380	950				1,330						1,330
CONVEYANCE CONTROLS - REPLC & REHAB	N/A	44					44						44
D2/D4 TRUNK WATERMAIN UPGRADES	N/A				300	600	900	5,600	20,600	17,225	10,300		54,625
DIST SEWER REHAB OPS YR2005	N/A	388	12				400						400
DIST W/M REHABILITATION	N/A	50,788	62,572	70,041	69,438	67,512	320,351	67,705	72,052	73,901	74,003	74,108	682,120
DIST W/M REPLACEMENT	N/A	62,323	86,626	86,459	98,100	107,100	440,608	115,300	121,100	123,300	123,500	123,500	1,047,308
DIST WATER SERVICE REPAIR	N/A	22,934	27,169	27,248	28,008	28,483	133,842	28,972	29,476	29,996	29,713	30,239	282,238
DISTRICT WATERMANS - NEW	N/A	102	500	500	500	500	2,102	500	500	500	500	500	4,602
DON & WATERFRONT TRUNK CSO	N/A	6,150	12,601	4,000	28,546	52,180	103,477	54,180	56,180	106,807	90,680	116,500	527,824
DOWNTOWN W/M ENHANCEMENT	N/A	11,932	7,821	7			19,760						19,760
EMERY CREEK POND	N/A	3,900	1,073				4,973						4,973
ENGINEERING	N/A	51,219	54,546	46,885	46,366	49,223	248,239	55,259	52,631	51,748	53,081	49,235	510,193
ENGINEERING STUDIES	N/A	1,647	1,279	620	110	50	3,706	50	50	50	50	50	3,956
EQUIPMENT REPLACEMENT & REHABILITATION	N/A	386	4,858	5,220	3,890	20	14,374	30					14,404
FJ HORGAN W.T.P. R&R	223,728.0	3,412	7,325	6,488	4,625	2,445	24,295	1,024	775	675	200	200	27,169
FJ HORGAN W.T.P. R&R	N/A	84					84						84
GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	N/A	5,680	5,680	5,680	5,680	5,680	28,400						28,400
HARRIS W.T.P. R&R	N/A	7,187	17,772	14,785	22,858	19,007	81,609	14,650	11,500	1,700	500	500	110,459
HIGHLAND CREEK T.P. - IV YR2004	N/A	63	120				183						183
HIGHLAND CREEK TP YR2005	N/A	122	115	5			242						242
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	N/A	1,000	3,500	4,000	4,000	2,800	15,300						15,300
HIGHLAND CREEK WWTP - ODOUR CONTROL	N/A	15,505	18,475	16,920	16,500	7,380	74,780	6,500	11,300	10,550	5,350		108,480
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	N/A	746	7,100	5,050	26,500	43,000	82,396	37,000	35,000	250	250		154,896
HIGHLAND CREEK WWTP UPGRADES	N/A	19,657	43,987	29,405	17,875	31,397	142,321	46,403	46,400	34,985	30,050	11,130	311,289
HORGAN TRUNK MAIN EXPANSION	N/A	900	6,250	31,100	27,070	4,600	69,920	7,500	10,320	3,300	700	600	92,340
HORGAN W.T.P. EXPANSION	N/A	3,496	5,264				8,760						8,760
HUMBER T.P.	N/A	200	200	109			509						509
HUMBER T.P. - II YR2004	N/A	155	5	7	7		174						174
HUMBER TP YR2005	N/A	1,793	1,750	174	100	101	3,918						3,918
HUMBER WWTP - LIQUID TREATMENT & HANDLING	N/A	9,330	26,134	49,025	48,600	48,732	181,821	47,850	42,405	1,150	3,120	15,000	291,346
HUMBER WWTP - O&M UPGRADES	N/A	9,584	5,877	4,850			20,311						20,311
HUMBER WWTP - ODOUR CONTROL	N/A	32,730	11,750	3,385			47,865						47,865
HUMBER WWTP UPGRADES	N/A	9,137	8,657	10,157	5,093	10,263	43,307	15,425	5,140	1,200	1,125	1,125	67,322
ISLAND PLANT WINTERIZATION	N/A	56	515				571						571
ISLAND W.T.P. R&R	N/A	719	2,530	7,485	7,250	7,250	25,234	2,050	10				27,294
ISLAND W.T.P. R&R	N/A	3,755	6,576	2,990	620	375	14,316	525	375	525	375	525	16,641
Land Acquisition for Source Water Protect	N/A	8,500	7,000	8,000	8,000	9,500	41,000	9,500	9,500	9,500	11,000	11,000	91,500
LAWRENCE ALLAN REVITALIZATION PLAN	N/A	6,471	3,354	18,078	2,127	3,531	33,561						33,561
METERING & METER READING SYS	232,155.2	26,920	30,367	2,515			59,802						59,802
NEW SERVICE CONNECTIONS	N/A	26,082	26,180	18,452	24,601	22,254	117,569	22,411	22,574	22,741	22,913	23,091	231,299
NEW SEWER CONSTRUCTION	N/A	3,500	8,000	10,000	10,000	12,000	43,500	14,000	14,000	14,000	14,000	14,000	113,500
NORTH TORONTO WTP UPGRADES	N/A	2	752	500	250		1,504						1,504
OPERATIONAL SUPPORT	N/A	4,110	5,255	7,949	8,010	7,623	32,947	2,755	5,655	2,230	2,230	2,230	48,047
PW ENGINEERING	N/A	3,390	5,024	5,785	3,535	2,900	20,634	1,900	1,900	1,900	1,400	900	28,634
REGENT PARK CAPITAL CONTRIBUTION	N/A	1,215	1,803	475	1,090	632	5,215	37	54	31			5,337
RL CLARK W.T.P. R&R	N/A	12,644	9,890	22,212	13,895	5,375	64,016	10,150	20,150	20,150	150	150	114,766
SEWAGE PUMPING STATION UPGRADES	N/A	8,565	3,986	643	3,700	9,550	26,444	11,600	9,500	7,300	3,150	100	58,094
SEWER ASSET PLANNING	N/A	11,658	16,782	15,095	17,501	17,650	78,686	26,150	20,645	15,150	15,150	13,650	169,431
SEWER REPLACEMENT PROGRAM	N/A	44,446	45,768	44,396	43,900	48,786	227,296	52,000	57,000	57,000	57,000	57,000	507,296
SEWER SYSTEM REHABILITATION	N/A	35,068	39,822	36,412	55,800	53,665	220,767	57,678	58,373	60,036	60,036	60,036	516,926
STREAM RESTORATION & EROSION CONTROL	N/A	12,361	6,895	10,049	8,836	13,475	51,616	13,210	13,310	11,660	12,660	14,660	117,116
SWITCH GEAR TRANSFORMER	N/A	5,000	5,400	3,703			14,103						14,103
SWM TRCA FUNDING	N/A	4,069	4,171	4,275	4,382	4,491	21,388	4,604	4,719	4,837	4,958	5,082	45,588
SWM END OF PIPE FACILITIES	N/A	10,400	4,851	6,550	11,540	14,530	47,871	20,130	31,680	15,500	30,000	70,000	215,181
SWM SOURCE CONTROL PROG	N/A	150	150	150	150		600						600
TASTE AND ODOUR MANAGEMENT	N/A										2,500	10,000	12,500
TRANSMISSION R&R	N/A	21,974	31,390	22,405	7,431	11,837	95,037	12,400	8,950	9,725	13,835	18,400	158,347
TRUNK SEWER SYSTEM	N/A	27,282	29,096	28,647	33,284	34,596	152,905	35,011	35,000	50,000	50,000	50,000	372,916
TRUNK WATERMAIN	N/A	750	4,140	4,770	1,890	2,250	13,800	2,000	5,000	5,000	5,000	5,000	35,800
TRUNK WATERMAIN EXPANSION	N/A	400	5,600	7,700	7,400	6,050	27,150	50					27,200
W&WW LABORATORIES	N/A	120	120	150	210	210	810	210	1,510	8,610	8,610	3,010	22,760
WATER EFFICIENCY PROGRAM	N/A	520	520	520	520	520	2,600	520	520	520	520	520	5,200
WATER STORAGE EXPANSION	N/A	197					197						197
WATER SUSTAINABILITY PROGRAM	N/A	1,370	18,157	13,705	17,220	5,752	56,204	11,300	8,700	1,550	8,950	850	87,554
WESTERN BEACHES RETROFIT	N/A	1,203	4,100	1,000			6,303						6,303
WET WEATHER FLOW MP	N/A	13,502	24,972	11,357	17,193	8,950	75,974	9,100	8,500	10,850	11,850	10,350	126,624
<b>Total (including carry forward funding)</b>	<b>455,883</b>	<b>785,243</b>	<b>1,001,027</b>	<b>1,067,880</b>	<b>1,175,867</b>	<b>1,234,304</b>	<b>5,264,321</b>	<b>1,211,437</b>	<b>1,245,351</b>	<b>1,168,485</b>	<b>1,079,178</b>	<b>1,071,300</b>	<b>11,040,072</b>

## **Appendix 3**

### **2015 Capital Budget; 2016 to 2024 Capital Plan**

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By													
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAT000004 HORGAN W.T.P. EXPANSION</b>																									
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	940	0	0	0	0	940	0	940	0	0	300	0	339	0	0	301	0	0	940	
1	5	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	975	0	0	0	0	975	0	975	0	0	312	0	351	0	0	312	0	0	975	
0	18	SUPERNATANT AND FORCEMAIN INSTALLATION	CW	S2	05	4,500	0	0	0	0	4,500	0	4,500	0	0	1,438	0	3,062	0	0	0	0	0	4,500	
0	32	SUPERNATANT & FORCEMAIN-2015 SC	CW	S3	05	-2,000	4,500	0	0	0	2,500	0	2,500	0	0	799	0	1,701	0	0	0	0	0	2,500	
0	33	PLANT EXPANSION - DESIGN & CONSTR ADMIN-2015 SC	CW	S3	05	-562	0	0	0	0	-562	0	-562	0	0	-179	0	-203	0	0	-180	0	0	-562	
0	34	PLANT EXPANSION - CONSTRUCTION-2015 SC	CW	S3	05	-357	764	0	0	0	407	0	407	0	0	130	0	147	0	0	130	0	0	407	
Sub-total						3,496	5,264	0	0	0	8,760	0	8,760	0	0	2,800	0	5,397	0	0	563	0	0	8,760	
<b>WAT000014 WATER STORAGE EXPANSION</b>																									
0	1	DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	CW	S2	05	5	0	0	0	0	5	0	5	0	0	3	0	2	0	0	0	0	0	5	
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	70	0	0	0	0	70	0	70	0	0	29	0	15	0	0	26	0	0	70	
0	48	DUFFERIN RES. EXT. - DESIGN&CONT. ADMIN - 2015 SC	CW	S3	05	45	0	0	0	0	45	0	45	0	0	28	0	17	0	0	0	0	0	45	
0	49	MILLIKEN PS&RESERVOIR-DESIGN&CONT&ADMIN	CW	S3	05	77	0	0	0	0	77	0	77	0	0	32	0	16	0	0	29	0	0	77	
Sub-total						197	0	0	0	0	197	0	197	0	0	92	0	50	0	0	55	0	0	197	
<b>WAT000018 CLARK RESIDUE MGMT. FACILITIES</b>																									
0	24	RESIDUALS RETROFITS & UPGRADES	CW	S2	02	380	450	0	0	0	830	0	830	0	0	0	0	830	0	0	0	0	0	830	
0	27	RESIDUALS RETROFITS AND UPGRADES - 2015 SC	CW	S3	02	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
Sub-total						380	950	0	0	0	1,330	0	1,330	0	0	0	0	1,330	0	0	0	0	0	0	1,330
<b>WAT000021 WATER EFFICIENCY PROGRAM</b>																									
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	300	0	0	900	0	900	0	0	900	0	0	0	0	0	0	0	900	
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	150	150	0	0	450	0	450	0	0	450	0	0	0	0	0	0	0	450	
0	12	ANCILLARY COSTS	CW	S2	05	70	70	70	0	0	210	0	210	0	0	210	0	0	0	0	0	0	0	210	
0	82	WATER EFFICIENCY FUTURE YEAR	CW	S6	05	0	0	0	520	520	1,040	2,600	3,640	0	0	3,094	0	546	0	0	0	0	0	3,640	
Sub-total						520	520	520	520	520	2,600	2,600	5,200	0	0	4,654	0	546	0	0	0	0	0	0	5,200
<b>WAT000340 ISLAND PLANT WINTERIZATION</b>																									
0	1	PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	444	0	0	0	0	444	0	444	0	0	0	0	444	0	0	0	0	0	444	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAT000340 ISLAND PLANT WINTERIZATION</u>																									
0	14	PLANT WINTERIZATION & SUMMERIZATION-2015 SC	CW	S3	04	-388	515	0	0	0	127	0	127	0	0	0	0	127	0	0	0	0	0	127	
Sub-total						56	515	0	0	0	571	0	571	0	0	0	0	571	0	0	0	0	0	571	
<u>WAT000363 ENGINEERING STUDIES</u>																									
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	413	50	0	0	0	463	0	463	0	0	0	0	463	0	0	0	0	0	463	
0	18	Controlled Substances ID and Abatement	CW	S2	02	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	25	FACILITY FORECAST/SOGR	CW	S6	03	0	500	500	50	50	1,100	250	1,350	0	0	0	0	1,350	0	0	0	0	0	1,350	
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	106	0	0	0	0	106	0	106	0	0	0	0	106	0	0	0	0	0	106	
0	38	CORROSION CONTROL	CW	S2	02	1,401	0	0	0	0	1,401	0	1,401	0	0	85	0	1,316	0	0	0	0	0	1,401	
0	58	CONTROLLED SUBSTANCES ID AND ABATEMENT - 2015 SC	CW	S3	02	0	68	70	60	0	198	0	198	0	0	0	0	198	0	0	0	0	0	198	
0	59	CORROSION CONTROL - 2015 SC	CW	S3	02	-552	404	0	0	0	-148	0	-148	0	0	-8	0	-140	0	0	0	0	0	-148	
0	60	IMPROVED TREATMENT STUDIES - 2015 SC	CW	S3	04	27	157	50	0	0	234	0	234	0	0	0	0	234	0	0	0	0	0	234	
0	61	ENERGY EFFICIENCY IMPLEMENTATION-2015 SC	CW	S3	04	52	100	0	0	0	152	0	152	0	0	0	0	152	0	0	0	0	0	152	
Sub-total						1,647	1,279	620	110	50	3,706	250	3,956	0	0	77	0	3,879	0	0	0	0	0	3,956	
<u>WAT000426 TASTE AND ODOUR MANAGEMENT</u>																									
0	1	TASTE AND ODOUR MANAGEMENT	CW	S6	04	0	0	0	0	0	0	12,500	12,500	0	0	0	0	12,500	0	0	0	0	0	12,500	
Sub-total						0	0	0	0	0	0	12,500	12,500	0	0	0	0	12,500	0	0	0	0	0	12,500	
<u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u>																									
0	7	NETWORK EQUIPMENT REPLACEMENT	CW	S2	03	1,545	0	0	0	0	1,545	0	1,545	0	0	0	0	1,545	0	0	0	0	0	1,545	
0	8	NETWORK CABLE LIFECYCLE REPLACEMENT	CW	S2	03	5,816	2,866	11	0	0	8,693	0	8,693	0	0	0	0	8,693	0	0	0	0	0	8,693	
0	9	TRUNK RADIO SYSTEM	CW	S2	04	0	200	100	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	1,350	0	0	0	0	1,350	0	1,350	0	0	0	0	1,350	0	0	0	0	0	1,350	
0	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	41	BUSINESS & TECH IMPROVEMENT - PHASE 2	CW	S2	04	2,732	1,720	1,047	792	0	6,291	0	6,291	0	0	0	0	6,291	0	0	0	0	0	6,291	
0	42	WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEMENTS	CW	S2	04	3,727	240	760	0	0	4,727	0	4,727	0	0	0	0	4,727	0	0	0	0	0	4,727	
0	43	NETWORK EQUIPMENT REPLACEMENT -FUTURE YEAR	CW	S6	04	0	1,063	993	1,007	637	3,700	6,620	10,320	0	0	0	0	10,320	0	0	0	0	0	10,320	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>																							
0 61	RELIABILITY IMPROVEMENT PROGRAM - FUTURE YEARS	CW	S6	04	0	0	200	200	200	600	1,000	1,600	0	0	0	0	1,600	0	0	0	0	1,600	
0 63	NETWORK CABLE LIFE CYCLE REPLACEMENT - 2015 SC	CW	S3	03	-4,281	-1,032	2,039	1,500	0	-1,774	0	-1,774	0	0	0	0	-1,774	0	0	0	0	-1,774	
0 64	RELIABILITY IMPROVEMENT PROGRAM - 2015 SC	CW	S3	04	685	885	0	0	0	1,570	0	1,570	0	0	0	0	1,570	0	0	0	0	1,570	
0 65	SCADA UPGRADES FOR WWT - 2015 SC	CW	S3	04	-125	1,644	3,358	4,918	6,715	16,510	7,560	24,070	0	0	0	0	24,070	0	0	0	0	24,070	
0 66	PCS UPGRADES FOR WATER SUPPLY - 2015 SC	CW	S3	04	-1,657	1,044	-541	0	0	-1,154	0	-1,154	0	0	0	0	-1,154	0	0	0	0	-1,154	
0 67	SCADA UPGRADES FOR WWT - II	CW	S4	04	501	415	400	600	350	2,266	0	2,266	0	0	0	0	2,266	0	0	0	0	2,266	
0 68	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2015 SC	CW	S3	03	-1,165	38	0	0	0	-1,127	0	-1,127	0	0	0	0	-1,127	0	0	0	0	-1,127	
0 69	PCS LEGACY ALARM IMPROVEMENT -2015 SC	CW	S3	04	-600	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 70	TRUNK RADIO SYSTEM - HYDRO PARTNERSHIP	CW	S4	03	1,600	0	0	0	0	1,600	0	1,600	0	0	0	0	1,600	0	0	0	0	1,600	
0 71	TRUNK RADIO SYSTEM- 2015 SC	CW	S3	04	0	0	0	250	750	1,000	530	1,530	0	0	0	0	1,530	0	0	0	0	1,530	
Sub-total					10,328	9,683	8,367	9,267	8,652	46,297	15,710	62,007	0	0	0	0	62,007	0	0	0	0	0	62,007
<b>WAT906340 METERING &amp; METER READING SYS</b>																							
0 2	AUTOMATED METER READING SYSTEM	CW	S2	04	45,656	44,675	5,000	0	0	95,331	0	95,331	0	0	0	0	95,331	0	0	0	0	95,331	
0 14	AUTOMATED METER READING SYSTEM - 2015 SC	CW	S3	04	-18,736	-14,308	-2,485	0	0	-35,529	0	-35,529	0	0	0	0	-35,529	0	0	0	0	-35,529	
Sub-total					26,920	30,367	2,515	0	0	59,802	0	59,802	0	0	0	0	59,802	0	0	0	0	0	59,802
<b>WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</b>																							
0 2	AVENUE RD WM CONSTRUCTION - HI LEVEL TO LAWRENCE	CW	S2	03	1,310	2,000	0	0	0	3,310	0	3,310	0	0	1,668	0	1,023	0	0	619	0	3,310	
0 6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	39	0	0	0	0	39	0	39	0	0	20	0	12	0	0	7	0	39	
0 25	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE - 2015 SC	CW	S3	03	0	90	0	0	0	90	0	90	0	0	45	0	28	0	0	17	0	90	
0 26	JOS-AVENUE RD WM CONS-HI LEVEL-LAWRENCE - 2015 SC	CW	S3	03	-995	-1,000	0	0	0	-1,995	0	-1,995	0	0	-1,005	0	-617	0	0	-373	0	-1,995	
Sub-total					354	1,090	0	0	0	1,444	0	1,444	0	0	728	0	446	0	0	270	0	1,444	
<b>WAT906468 HORGAN TRUNK MAIN EXPANSION</b>																							
0 1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	402	850	850	500	10	2,612	10	2,622	0	0	997	0	775	0	0	850	0	2,622	
0 3	HORGAN TO ELLESMERE - CONSTRUCTION	CW	S2	05	500	6,000	18,000	18,000	17,500	60,000	3,000	63,000	0	0	23,910	0	18,639	0	0	20,451	0	63,000	
0 41	JOS - HORGAN TO ELLESMERE WM - ENG - 2015 SC	CW	S3	05	498	250	50	100	40	938	40	978	0	0	370	0	290	0	0	318	0	978	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906468 HORGAN TRUNK MAIN EXPANSION</b>																							
0 42	JOS - HORGAN TO ELLESMERE WM - CONS - 2015 SC	CW	S3	05	-500	-1,000	12,000	8,000	-15,500	3,000	-3,000	0	0	0	1	0	0	0	0	-1	0	0	
0 43	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S6	05	0	150	200	470	550	1,370	1,370	2,740	0	0	884	0	1,856	0	0	0	0		
0 44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	0	0	2,000	2,000	21,000	23,000	0	0	7,419	0	15,581	0	0	0	0		
Sub-total					900	6,250	31,100	27,070	4,600	69,920	22,420	92,340	0	0	33,581	0	37,141	0	0	21,618	0	92,340	
<b>WAT906470 ISLAND W.T.P. R&amp;R</b>																							
0 8	CHEMICAL & RESIDUALS MNGT - ENG	CW	S2	02	700	550	250	250	250	2,000	250	2,250	0	0	0	0	2,250	0	0	0	0		
0 11	CHEMICAL & RESIDUALS MANAGMENT CONST	CW	S4	02	150	1,850	7,000	7,000	7,000	23,000	2,000	25,000	0	0	1,521	0	23,479	0	0	0	0		
0 27	CHEMICAL & RESIDUALS MANAGMENT ENG - 2015 SC	CW	S3	02	-131	130	235	0	0	234	-190	44	0	0	0	0	44	0	0	0	0		
Sub-total					719	2,530	7,485	7,250	7,250	25,234	2,060	27,294	0	0	1,521	0	25,773	0	0	0	0	0	27,294
<b>WAT906471 FJ HORGAN W.T.P. R&amp;R</b>																							
0 24	HVAC REHAB & SCRUBBER ENGINEERING	CW	S4	03	84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0		
Sub-total					84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	0	84
<b>WAT906481 DISTRICT WATERMANS - NEW</b>																							
0 1	DIST W/MAINS NEW	CW	S2	05	350	500	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0		
0 3	10 YEAR NEW WATERMANS	CW	S6	05	0	0	500	500	500	1,500	2,500	4,000	0	0	3,400	0	600	0	0	0	0		
0 13	DIST W/MAINS NEW - 2015 SC	CW	S3	05	-248	0	0	0	0	-248	0	-248	0	0	602	0	-850	0	0	0	0		
Sub-total					102	500	500	500	500	2,102	2,500	4,602	0	0	4,002	0	600	0	0	0	0	0	4,602
<b>WAT906483 PW ENGINEERING</b>																							
0 2	CAPITAL PRGGMG & FACILITY ASSET PLANNING	CW	S2	03	992	0	0	0	0	992	0	992	0	0	0	0	992	0	0	0	0		
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	1,409	460	360	160	0	2,389	0	2,389	0	0	597	0	1,792	0	0	0	0		
0 7	EASEMENT ACQUISITION	CW	S2	04	175	0	0	0	0	175	0	175	0	0	0	0	175	0	0	0	0		
0 22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	588	700	1,000	1,000	1,000	4,288	0	4,288	0	0	0	0	4,288	0	0	0	0		
0 37	ASSET MANAGEMENT IMPLEMENTATION	CW	S6	04	0	500	1,000	1,000	1,000	3,500	3,500	7,000	0	0	1,490	0	5,510	0	0	0	0		
0 38	WATERMAIN ASSET PLANNING - 10 YR FORECAST	CW	S6	04	0	0	0	400	400	800	2,000	2,800	0	0	595	0	2,205	0	0	0	0		
0 49	CAPITAL PROG & FACILITY ASSET PLANNING - 2015 SC	CW	S3	03	220	1,669	1,800	500	0	4,189	0	4,189	0	0	0	0	4,189	0	0	0	0		

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<b>WAT906483 PW ENGINEERING</b>																							
0 50	WATERMAIN ASSET PLANNING - 2015 SC	CW	S3	03	-493	525	325	-25	0	332	0	332	0	0	83	0	249	0	0	0	0	0	332
0 51	EASEMENT ACQUISITION - 2015 SC	CW	S3	04	125	300	0	0	0	425	0	425	0	0	0	0	425	0	0	0	0	0	425
0 52	JOS UPDATE PHASE II	CW	S4	05	500	1,000	500	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0 53	EASEMENT ACQUISITION - 10 YEAR	CW	S6	04	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000
0 54	WATER LOSS REDUCTION STRATEGY-2015 SC	CW	S3	03	-126	-130	300	0	0	44	0	44	0	0	0	0	44	0	0	0	0	0	44
Sub-total					3,390	5,024	5,785	3,535	2,900	20,634	8,000	28,634	0	0	2,765	0	25,869	0	0	0	0	0	28,634
<b>WAT906749 DOWNTOWN W/M ENHANCEMENT</b>																							
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	378	15	7	0	0	400	0	400	0	0	79	0	16	0	0	305	0	0	400
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	13,920	7,000	0	0	0	20,920	0	20,920	0	0	4,165	0	757	0	0	15,998	0	0	20,920
0 38	JOS - GERRARD ST WM - CONSTRUCTION -2015 SC	CW	S3	03	-2,736	806	0	0	0	-1,930	0	-1,930	0	0	-384	0	-69	0	0	-1,477	0	0	-1,930
0 39	JOS - GERRARD ST WM - ENGINEERING- 2015 SC	CW	S3	03	370	0	0	0	0	370	0	370	0	0	74	0	13	0	0	283	0	0	370
Sub-total					11,932	7,821	7	0	0	19,760	0	19,760	0	0	3,934	0	717	0	0	15,109	0	0	19,760
<b>WAT906752 TRANSMISSION R&amp;R</b>																							
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	0	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250
0 50	10 YR TRUNK WATERMAIN REHAB	CW	S6	03	0	250	250	250	250	1,000	1,250	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	5,088	2,510	264	0	0	7,862	0	7,862	0	0	0	0	7,862	0	0	0	0	0	7,862
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	600	600	800	700	460	3,160	980	4,140	0	0	0	0	4,140	0	0	0	0	0	4,140
0 58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S6	03	0	2,000	3,500	1,400	750	7,650	0	7,650	0	0	0	0	7,650	0	0	0	0	0	7,650
0 63	TRUNK WATERMAIN REHAB - 2015 SC	CW	S3	03	445	545	0	0	0	990	0	990	0	0	0	0	990	0	0	0	0	0	990
0 64	CAST IRON TRUNK REPLC - PHASE 2 - 2015 SC	CW	S3	03	4,154	2,539	2,156	113	30	8,992	0	8,992	0	0	0	0	8,992	0	0	0	0	0	8,992
0 65	CAST IRON TRUNK REPLC - PHASE 3 - ENG - 2015 SC	CW	S3	03	350	700	200	-575	-385	290	-980	-690	0	0	0	0	-690	0	0	0	0	0	-690
0 67	TRANSF & SW' GEAR REPLACEMENT DESIGN -2015 SC	CW	S3	03	165	0	0	0	0	165	0	165	0	0	0	0	165	0	0	0	0	0	165
Sub-total					11,052	9,144	7,170	1,888	1,105	30,359	1,250	31,609	0	0	0	0	31,609	0	0	0	0	0	31,609
<b>WAT906900 TRANSMISSION R&amp;R</b>																							
0 1	TRANS FACILITIES REHAB	CW	S2	03	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<u>WAT906900 TRANSMISSION R&amp;R</u>																							
0 6	ELLESMERE P.S. UPGRADE	CW	S2	05	25	525	0	0	0	550	0	550	0	0	127	0	75	0	0	348	0	0	550
0 7	RESERVOIR REHAB -FUTURE	CW	S6	03	0	0	360	3,660	7,900	11,920	32,600	44,520	0	0	0	0	44,520	0	0	0	0	0	44,520
0 26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	550	0	0	0	0	550	0	550	0	0	0	0	550	0	0	0	0	0	550
0 27	EGLINTON PS -PUMP REPLC	CW	S2	03	2,250	0	0	0	0	2,250	0	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250
0 36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	5,250	500	0	0	0	5,750	0	5,750	0	0	0	0	5,750	0	0	0	0	0	5,750
0 37	TRANS FACILITIES REHAB - 2015 SC	CW	S3	03	90	475	135	25	0	725	0	725	0	0	0	0	725	0	0	0	0	0	725
0 38	ELLESMERE P.S. UPGRADE - 2015 SC	CW	S3	05	-25	-500	525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 39	SCARBOROUGH PS - PUMP REPLC - 2015 SC	CW	S3	03	-95	120	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0 40	EGLINTON PS - PUMP REPLC - 2015 SC	CW	S3	03	-383	458	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	0	75
0 41	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2015SC	CW	S3	03	1,910	10,043	5,485	353	7	17,798	0	17,798	0	0	0	0	17,798	0	0	0	0	0	17,798
0 43	DOWNSVIEW PS - Construction	CW	S6	05	0	0	0	0	2,000	2,000	12,000	14,000	0	0	0	0	14,000	0	0	0	0	0	14,000
0 44	PUMPING STATION REHAB - Engineering	CW	S6	03	0	0	40	125	175	340	1,850	2,190	0	0	0	0	2,190	0	0	0	0	0	2,190
0 45	PUMPING STATION REHAB - Construction	CW	S6	03	0	0	0	750	300	1,050	14,200	15,250	0	0	0	0	15,250	0	0	0	0	0	15,250
0 47	DOWNSVIEW PS - Engineering	CW	S6	05	0	0	30	130	350	510	1,410	1,920	0	0	0	0	1,920	0	0	0	0	0	1,920
0 48	ROSEHILL RESERVOIR	CW	S4	03	600	8,000	7,500	500	0	16,600	0	16,600	0	0	0	0	16,600	0	0	0	0	0	16,600
0 49	DOWNSVIEW PS & CONNECTOR	CW	S4	05	50	150	60	0	0	260	0	260	0	0	0	0	260	0	0	0	0	0	260
0 50	PARKDALE PS REHABILITATION	CW	S4	03	500	1,500	1,000	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0 51	ROSEHILL PS REHAB	CW	S4	03	50	975	100	0	0	1,125	0	1,125	0	0	0	0	1,125	0	0	0	0	0	1,125
Sub-total					10,922	22,246	15,235	5,543	10,732	64,678	62,060	126,738	0	0	127	0	126,263	0	0	348	0	0	126,738
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																							
0 2	BUILDING ENVELOPE REHAB	CW	S2	03	23	0	0	0	0	23	0	23	0	0	0	0	23	0	0	0	0	0	23
0 3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 13	FILTER MEDIA REPLACEMENT PH2	CW	S2	03	80	150	0	0	0	230	0	230	0	0	0	0	230	0	0	0	0	0	230
0 21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,676	1,000	250	0	0	2,926	0	2,926	0	0	0	0	2,926	0	0	0	0	0	2,926

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																							
0 29	HARRIS FILTERS REHABILITATION	CW	S4	03	100	3,600	775	25	0	4,500	0	4,500	0	0	0	0	4,500	0	0	0	0	4,500	
0 56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	11,016	4,520	0	0	0	15,536	0	15,536	0	0	0	0	15,536	0	0	0	0	15,536	
0 70	FILTER MEDIA REPLACEMENT PH2	CW	S6	03	0	0	0	150	0	150	300	450	0	0	0	0	450	0	0	0	0	450	
0 71	FACILITY & PROCESS UPGRADES	CW	S6	03	0	0	0	500	500	1,000	2,500	3,500	0	0	0	0	3,500	0	0	0	0	3,500	
0 74	FILTER MEDIA UPGRADE - 2015 SC	CW	S3	03	-80	-150	0	0	0	-230	0	-230	0	0	0	0	-230	0	0	0	0	-230	
0 75	HVAC REHAB CONSTRUCTION - 2015 SC	CW	S3	03	-1,396	220	750	580	0	154	0	154	0	0	0	0	154	0	0	0	0	154	
0 76	HARRIS DISINFECTION MODIFICATIONS - 2015 SC	CW	S3	04	0	250	1,500	3,500	3,500	8,750	0	8,750	0	0	532	0	8,218	0	0	0	0	8,750	
0 77	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2015 SC	CW	S3	03	-5,541	6,089	8,110	2,103	7	10,768	0	10,768	0	0	0	0	10,768	0	0	0	0	10,768	
0 78	ENERGY OPTIMIZATION	CW	S6	04	0	0	200	1,000	1,000	2,200	0	2,200	0	0	0	0	2,200	0	0	0	0	2,200	
0 79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S4	03	200	950	50	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	1,200	
0 80	FACILITY INFRASTRUCTURE REHAB	CW	S6	03	0	0	1,000	1,000	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	2,000	
0 81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S4	04	100	320	200	0	0	620	0	620	0	0	0	0	620	0	0	0	0	620	
0 82	PD2 OPTIMIZATION	CW	S4	03	500	90	0	0	0	590	0	590	0	0	0	0	590	0	0	0	0	590	
0 83	FACILITY & PROCESS UPGRADES-2015 SC	CW	S3	03	-50	500	500	0	0	950	0	950	0	0	0	0	950	0	0	0	0	950	
0 84	OFFSHORE CHLORINATION REHAB	CW	S6	03	0	200	1,000	3,000	3,000	7,200	3,000	10,200	0	0	0	0	10,200	0	0	0	0	10,200	
0 85	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	450	11,000	11,000	22,450	23,050	45,500	0	0	0	0	45,500	0	0	0	0	45,500	
0 86	BUILDING ENVELOPE REHAB- 2015 SC	CW	S3	03	-10	13	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	3	
0 87	LIQUID CHEMICAL SYSTEM RELOCATION- 2015 SC	CW	S3	04	8	20	0	0	0	28	0	28	0	0	0	0	28	0	0	0	0	28	
0 88	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	61	0	0	0	0	61	0	61	0	0	0	0	61	0	0	0	0	61	
Sub-total					7,187	17,772	14,785	22,858	19,007	81,609	28,850	110,459	0	0	532	0	109,927	0	0	0	0	110,459	
<u>WAT906903 FJ HORGAN W.T.P. R&amp;R</u>																							
0 5	FACILITY & PROCESS UPGRADES	CW	S2	03	1,579	350	0	0	0	1,929	0	1,929	0	0	0	0	1,929	0	0	0	0	1,929	
0 8	RAW WATER PUMP UPGRADES	CW	S2	03	540	0	0	0	0	540	0	540	0	0	0	0	540	0	0	0	0	540	
0 15	REPLACEMENT OF MCCS	CW	S2	03	1,570	3,350	1,600	200	0	6,720	0	6,720	0	0	0	0	6,720	0	0	0	0	6,720	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAT906903 FJ HORGAN W.T.P. R&amp;R</b>																									
0	16	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	CW	S2	03	550	2,500	1,950	0	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000	
0	28	FACILITY & PROCESS UPGRADES	CW	S6	03	0	250	250	200	200	900	1,000	1,900	0	0	0	0	1,900	0	0	0	0	0	1,900	
0	31	BUILDING FIRE, HVAC, LIGHTING UPGRADES	CW	S6	04	0	575	655	1,375	1,825	4,430	0	4,430	0	0	0	0	4,430	0	0	0	0	0	4,430	
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S4	04	150	700	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	850	
0	33	OFFICE RENOVATION	CW	S6	03	0	0	0	0	100	100	1,725	1,825	0	0	0	0	1,825	0	0	0	0	0	1,825	
0	34	TREATED WATER PUMP UPGRADES	CW	S4	04	500	1,850	550	0	0	2,900	0	2,900	0	0	0	0	2,900	0	0	0	0	0	2,900	
0	35	FACILITY & PROCESS UPGRADES-2015 SC	CW	S3	03	-906	810	300	0	0	204	0	204	0	0	0	0	204	0	0	0	0	0	204	
0	36	REPLACEMENT OF MCCS-2015 SC	CW	S3	03	-1,120	-1,060	633	900	320	-327	149	-178	0	0	0	0	-178	0	0	0	0	0	-178	
0	37	RAW WATER PUMP UGRADES-2015 SC	CW	S3	03	49	0	0	0	0	49	0	49	0	0	0	0	49	0	0	0	0	0	49	
0	38	OFFSHORE CHLORINATION RELOCATION-2015 SC	CW	S3	03	-500	-2,000	550	1,950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	39	ACCESS ROAD REPAVING	CW	S4	03	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000	
Sub-total						3,412	7,325	6,488	4,625	2,445	24,295	2,874	27,169	0	0	0	0	27,169	0	0	0	0	0	27,169	
<b>WAT906906 TRUNK WATERMAIN EXPANSION</b>																									
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	1,000	550	400	0	0	1,950	0	1,950	0	0	934	0	573	0	0	443	0	0	1,950	
0	65	JOS - WM Scar PS to St Clair&Midland ENG - 2015 SC	CW	S3	05	-600	50	300	400	50	200	50	250	0	0	120	0	74	0	0	56	0	0	250	
0	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S6	05	0	5,000	7,000	7,000	6,000	25,000	0	25,000	0	0	10,179	0	9,142	0	0	5,679	0	0	25,000	
Sub-total						400	5,600	7,700	7,400	6,050	27,150	50	27,200	0	0	11,233	0	9,789	0	0	6,178	0	0	27,200	
<b>WAT906914 SWITCH GEAR TRANSFORMER</b>																									
0	13	INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	CW	S2	03	6,825	6,235	0	0	0	13,060	0	13,060	0	0	0	0	13,060	0	0	0	0	0	13,060	
0	27	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3) - 2015 SC	CW	S3	03	-1,825	-835	3,703	0	0	1,043	0	1,043	0	0	0	0	1,043	0	0	0	0	0	1,043	
Sub-total						5,000	5,400	3,703	0	0	14,103	0	14,103	0	0	0	0	14,103	0	0	0	0	0	14,103	
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																									
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	2,600	4,350	4,000	0	0	10,950	0	10,950	0	0	665	0	10,285	0	0	0	0	0	10,950	
0	9	WATER SUSTAINABILITY STANDBY POWER ELLESMERE-SC	CW	S3	04	-1,380	8,957	3,205	20	2	10,804	0	10,804	0	0	657	0	10,147	0	0	0	0	0	10,804	
0	11	SYSTEM SUSTAINABILITY/STANDBY POWER - FUTURE	CW	S6	05	0	0	1,700	17,200	5,750	24,650	31,350	56,000	0	0	0	0	56,000	0	0	0	0	0	56,000	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)  
Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																							
0 12	STANDBY POWER - ROSEHILL	CW	S4	04	150	4,850	4,800	0	0	9,800	0	9,800	0	0	0	0	9,800	0	0	0	0	0	9,800
Sub-total					1,370	18,157	13,705	17,220	5,752	56,204	31,350	87,554	0	0	1,322	0	86,232	0	0	0	0	0	87,554
<b>WAT906919 RL CLARK W.T.P. R&amp;R</b>																							
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	170	0	0	0	0	170	0	170	0	0	0	0	170	0	0	0	0	0	170
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,419	665	584	25	25	2,718	0	2,718	0	0	167	0	2,551	0	0	0	0	0	2,718
0 11	PROCESS EQUIPMENT UPGRADE CONSTRUCTION - FUTURE	CW	S6	03	0	0	0	300	5,200	5,500	50,000	55,500	0	0	0	0	55,500	0	0	0	0	0	55,500
0 12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	150	150	300	750	1,050	0	0	0	0	1,050	0	0	0	0	0	1,050
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	14,893	12,900	12,000	10,000	0	49,793	0	49,793	0	0	3,029	0	46,764	0	0	0	0	0	49,793
0 44	EVALUATION & COMMUNICATION SYSTEMS	CW	S2	03	1,314	117	20	7	0	1,458	0	1,458	0	0	0	0	1,458	0	0	0	0	0	1,458
0 53	FACILITY & PROCESS UPGRADES - 2015 SC	CW	S3	03	10	215	150	0	0	375	0	375	0	0	0	0	375	0	0	0	0	0	375
0 54	PROCESS EQUIPMENT UPGRADE ENGINEERING - 2015 SC	CW	S3	03	-744	610	453	1,200	0	1,519	0	1,519	0	0	91	0	1,428	0	0	0	0	0	1,519
0 55	PROCESS EQUIPMENT UPGRADE CONSTRUCTION - 2015 SC	CW	S3	03	-4,893	-5,100	9,000	2,215	0	1,222	0	1,222	0	0	74	0	1,148	0	0	0	0	0	1,222
0 56	EVACUATION AND COMMUNICATION SYSTEMS - 2015 SC	CW	S3	03	225	483	5	-2	0	711	0	711	0	0	0	0	711	0	0	0	0	0	711
0 57	ELECTRICAL AND HVAC UPGRADES CONSTRUCTION	CW	S4	03	250	0	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250
Sub-total					12,644	9,890	22,212	13,895	5,375	64,016	50,750	114,766	0	0	3,361	0	111,405	0	0	0	0	0	114,766
<b>WAT906930 DIST W/M REPLACEMENT</b>																							
0 4	10Yr Watermain Replacement	CW	S6	03	0	41,715	59,631	84,000	91,000	276,346	522,000	798,346	0	0	105,549	0	692,797	0	0	0	0	0	798,346
0 15	W/M REPLACEMENT - STAND ALONE	CW	S2	03	3,208	0	0	0	0	3,208	0	3,208	0	0	0	0	3,208	0	0	0	0	0	3,208
0 29	DIST W/M REPLACEMENT - 2012	CW	S2	03	3,125	0	0	0	0	3,125	0	3,125	0	0	0	0	3,125	0	0	0	0	0	3,125
0 39	DIST W/M REPLACEMENT 2013	CW	S2	03	4,450	0	0	0	0	4,450	0	4,450	0	0	0	0	4,450	0	0	0	0	0	4,450
0 42	10 YEAR WATERMAIN UPGRADES	CW	S6	05	0	10,200	13,200	13,100	15,100	51,600	84,700	136,300	0	0	36,041	0	100,259	0	0	0	0	0	136,300
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	18,469	1,200	0	0	0	19,669	0	19,669	0	0	0	0	19,669	0	0	0	0	0	19,669
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	5,490	1,000	0	0	0	6,490	0	6,490	0	0	0	0	6,490	0	0	0	0	0	6,490
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	625	600	1,000	875	0	3,100	0	3,100	0	0	0	0	3,100	0	0	0	0	0	3,100



CITY OF TORONTO

Gross Expenditures (\$000's) Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan

Water Program

Table with columns: Sub-Project No., Project Name, Ward, Stat., Cat., Current and Future Year Cash Flow Commitments (2015-2019, Total 2015-2019, Total 2020-2024, Total 2015-2024), and Current and Future Year Cash Flow Commitments Financed By (Provincial Grants and Subsidies, Federal Subsidy, Development Charges, Reserves, Reserve Funds, Capital from Current, Other 1, Other 2, Debt - Recoverable, Total Financing). Rows include categories like DIST WATER SERVICE REPAIR and NEW SERVICE CONNECTIONS.

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906935 NEW SERVICE CONNECTIONS</u>																								
0	19	NEW SERVICE CONNECTIONS - CUT REPAIRS - 2015 SC	CW	S3	05	580	4,080	0	0	0	4,660	0	4,660	0	0	0	0	4,660	0	0	0	0	4,660	
Sub-total						26,082	26,180	18,452	24,601	22,254	117,569	113,730	231,299	0	0	0	0	231,299	0	0	0	0	231,299	
<u>WAT906951 ENGINEERING</u>																								
0	2	CONSULTING FEES	CW	S2	03	2,975	4,687	5,912	5,445	4,160	23,179	5,016	28,195	0	0	0	0	28,195	0	0	0	0	28,195	
0	5	10 YEAR ENGINEERING	CW	S6	03	0	25,730	32,639	38,423	45,429	142,221	246,361	388,582	0	0	0	0	388,582	0	0	0	0	388,582	
0	45	ECS SALARIES	CW	S3	03	12,199	0	0	0	0	12,199	0	12,199	0	0	0	0	12,199	0	0	0	0	12,199	
0	51	ROAD RESTORATION - 2015 SC	CW	S3	03	5,962	5,830	0	0	0	11,792	0	11,792	0	0	0	0	11,792	0	0	0	0	11,792	
0	52	CONSULTING FEES - 2015 SC	CW	S3	03	6,570	6,702	997	-2,447	-2,909	8,913	-1,949	6,964	0	0	0	0	6,964	0	0	0	0	6,964	
0	53	LEGAL SERVICES SALARIES - 2015 SC	CW	S3	03	197	0	0	0	0	197	0	197	0	0	0	0	197	0	0	0	0	197	
0	56	PPFA SALARIES	CW	S4	03	2,292	0	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0	0	0	2,292	
0	57	PPFA SALARIES	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	0	0	0	0	20,628	0	0	0	0	20,628	
Sub-total						30,195	45,241	41,840	43,713	48,972	209,961	260,888	470,849	0	0	0	0	470,849	0	0	0	0	470,849	
<u>WAT906977 ISLAND W.T.P. R&amp;R</u>																								
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	1,278	226	0	0	0	1,504	0	1,504	0	0	0	0	1,504	0	0	0	0	1,504	
0	12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	1,840	1,100	0	0	0	2,940	0	2,940	0	0	0	0	2,940	0	0	0	0	2,940	
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	559	0	0	0	0	559	0	559	0	0	34	0	525	0	0	0	0	559	
0	32	TRAVELLING SCREEN REPLACEMENT	CW	S4	03	655	2,120	380	10	0	3,165	0	3,165	0	0	0	0	3,165	0	0	0	0	3,165	
0	33	ISLAND SEAWALL REHABILITATION	CW	S2	03	109	0	0	0	0	109	0	109	0	0	0	0	109	0	0	0	0	109	
0	44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2	04	260	350	0	0	0	610	0	610	0	0	0	0	610	0	0	0	0	610	
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S2	03	955	1,285	0	0	0	2,240	0	2,240	0	0	0	0	2,240	0	0	0	0	2,240	
0	51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	500	
0	53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	375	375	750	1,875	2,625	0	0	0	0	2,625	0	0	0	0	2,625	
0	54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	150	0	150	0	300	450	750	0	0	0	0	750	0	0	0	0	750	
0	62	FACILITY & PROCESS UPGRADES - 2015 SC	CW	S3	03	-150	531	375	0	0	756	0	756	0	0	0	0	756	0	0	0	0	756	





**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

Water Program						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By													
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																				
<u>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</u>																									
0	9	REGENT PARK CAPITAL CONTRIBUTION - 2015 SC	CW	S3	05	308	1,473	343	345	345	2,814	-737	2,077	0	0	0	0	2,077	0	0	0	0	0	2,077	
Sub-total						1,215	1,803	475	1,090	632	5,215	122	5,337	0	0	0	0	5,337	0	0	0	0	0	5,337	
<u>WAT907946 BUSINESS IT PROJECTS</u>																									
0	1	BUSINESS INTELLIGENCE INITIATIVES	CW	S2	04	280	0	0	0	0	280	0	280	0	0	0	0	280	0	0	0	0	0	280	
0	2	BACKFLOW INSPECTION PORTAL	CW	S2	04	0	200	200	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,968	1,225	975	975	0	5,143	0	5,143	0	0	0	0	5,143	0	0	0	0	0	5,143	
0	10	ENTERPRISE WORK MANAGEMENT SYSTEM PROJ - 2015 SC	CW	S3	04	-1,144	494	446	297	1,373	1,466	500	1,966	0	0	0	0	1,966	0	0	0	0	0	1,966	
0	11	BUSINESS INTELLIGENCE INITIATIVES-2015 SC	CW	S3	04	-221	0	0	0	0	-221	0	-221	0	0	0	0	-221	0	0	0	0	0	-221	
0	12	EDOCS- 2015 SC	CW	S3	04	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
Sub-total						1,033	2,069	1,621	1,272	1,373	7,368	500	7,868	0	0	0	0	7,868	0	0	0	0	0	7,868	
<u>WAT908087 TRUNK WATERMAIN</u>																									
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S4	04	250	1,750	1,750	10	0	3,760	0	3,760	0	0	0	0	3,760	0	0	0	0	0	3,760	
0	4	JOS - REVENUE METER REPLACEMENT	CW	S6	03	0	1,890	2,520	630	0	5,040	0	5,040	0	0	0	0	5,040	0	0	0	0	0	5,040	
0	5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	0	0	1,000	2,000	3,000	22,000	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000	
0	6	3RD PARTY RELOCATIONS (METROLINX)	CW	S4	04	500	500	500	250	250	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000	
Sub-total						750	4,140	4,770	1,890	2,250	13,800	22,000	35,800	0	0	0	0	35,800	0	0	0	0	0	35,800	
<b>Total Program Expenditure</b>						318,558	433,057	419,871	393,240	358,120	1,922,846	1,821,779	3,744,625	0	0	286,690	0	0	03,404,316	0	0	53,619	0	0	3,744,625

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

Water Program					Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat. Cat.																		
Financed By:																						
		Development Charges			19,761	27,197	50,327	32,978	25,726	155,989	130,701	286,690	0	0	286,690	0	0	0	0	0	286,690	
		Reserve Funds (Ind."XR" Ref.)			288,850	396,164	357,428	349,894	330,251	1,722,587	1,681,729	3,404,316	0	0	0	03,404,316	0	0	0	0	3,404,316	
		Other2 (External)			9,947	9,696	12,116	10,368	2,143	44,270	9,349	53,619	0	0	0	0	0	53,619	0	0	53,619	
<b>Total Program Financing</b>					<b>318,558</b>	<b>433,057</b>	<b>419,871</b>	<b>393,240</b>	<b>358,120</b>	<b>1,922,846</b>	<b>1,821,779</b>	<b>3,744,625</b>	<b>0</b>	<b>0</b>	<b>286,690</b>	<b>03,404,316</b>	<b>0</b>	<b>0</b>	<b>53,619</b>	<b>0</b>	<b>0</b>	<b>3,744,625</b>

Status Code	Description
S2	S2 Prior Year (With 2015 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2015 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 2016 & Beyond)

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







**CITY OF TORONTO**

**Gross Expenditures (\$000's)**  
**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2015	2016	2017	2018	2019	Total	Total	Total	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
											2015-2019	2020-2024	2015-2024											
<b>WAS000442 BASEMENT FLOODING RELIEF</b>																								
0	78	BASEMENT FLOODING DESIGN - GROUP 1-2015 SC	CW	S3	04	-363	-1,375	1,397	129	0	-212	0	-212	0	0	0	0	-212	0	0	0	0	0	-212
0	79	BASEMENT FLOODING DESIGN - GROUP 2-2015 SC	CW	S3	04	-1,350	-1,575	799	975	334	-817	21	-796	0	0	0	0	-796	0	0	0	0	0	-796
0	80	BASEMENT FLOODING DESIGN - GROUP 3-2015 SC	CW	S3	04	-752	-1,239	-2,885	-4,322	-721	-9,919	-4,000	-13,919	0	0	0	0	-13,919	0	0	0	0	0	-13,919
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	3,500	3,500	4,950	0	0	11,950	0	11,950	0	0	0	0	11,950	0	0	0	0	0	11,950
0	82	BASEMENT FLOODING STUDIES & EAS-CW IMP-2015 SC	CW	S3	04	-950	3,500	4,550	5,000	0	12,100	0	12,100	0	0	0	0	12,100	0	0	0	0	0	12,100
0	83	BASEMENT FLOODING PROTECTION SUBSIDY - FUTURE	CW	S6	04	0	0	0	5,500	5,500	11,000	27,500	38,500	0	0	0	0	38,500	0	0	0	0	0	38,500
0	84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	0	0	0	4,000	4,000	20,000	24,000	0	0	0	0	24,000	0	0	0	0	0	24,000
0	85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	0	0	0	0	3,000	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
Sub-total						62,965	82,833	129,094	167,069	176,625	618,586	927,921	1,546,507	0	0	0	0	01,546,507	0	0	0	0	0	1,546,507
<b>WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &amp;</b>																								
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	4,262	4,000	3,000	0	0	11,262	0	11,262	0	0	0	0	11,262	0	0	0	0	0	11,262
0	7	HCTP Bldg Rehab and Impro - 2015 SC	CW	S3	03	-3,262	-500	1,000	4,000	2,800	4,038	0	4,038	0	0	0	0	4,038	0	0	0	0	0	4,038
Sub-total						1,000	3,500	4,000	4,000	2,800	15,300	0	15,300	0	0	0	0	15,300	0	0	0	0	0	15,300
<b>WAS906322 W&amp;WW LABORATORIES</b>																								
0	9	LAB EQUIPMENT	CW	S2	03	186	0	0	0	0	186	0	186	0	0	0	0	186	0	0	0	0	0	186
0	22	LAB & EMP FACILITIES	CW	S6	04	0	0	0	0	0	0	20,900	20,900	0	0	0	0	20,900	0	0	0	0	0	20,900
0	26	LAB EQUIPMENT - 2015 SC	CW	S3	03	-66	120	150	210	0	414	0	414	0	0	0	0	414	0	0	0	0	0	414
0	27	LAB EQUIPMENT - FUTURE	CW	S6	03	0	0	0	0	210	210	1,050	1,260	0	0	0	0	1,260	0	0	0	0	0	1,260
Sub-total						120	120	150	210	210	810	21,950	22,760	0	0	0	0	22,760	0	0	0	0	0	22,760
<b>WAS906328 SWM END OF PIPE FACILITIES</b>																								
0	6	DON VALLEY SWM	CW	S6	04	0	0	0	40	160	200	3,760	3,960	0	0	318	0	3,642	0	0	0	0	0	3,960
0	9	NORTH TORONTO CSO CONSTR	CW	S2	04	5,389	2,500	0	0	0	7,889	0	7,889	0	0	633	0	7,256	0	0	0	0	0	7,889
0	10	ETOBICOKE WATERFRONT SWM CONST	CW	S6	04	0	0	0	0	0	0	122,500	122,500	0	0	9,858	0	112,642	0	0	0	0	0	122,500
0	11	Bonar Creek Construction	CW	S2	04	1,000	2,150	5,400	5,250	2,450	16,250	150	16,400	0	0	1,320	0	15,080	0	0	0	0	0	16,400
0	12	EARL BALES SWM FACILITY - PHASE 2	CW	S2	04	4,400	1,000	0	0	0	5,400	0	5,400	0	0	435	0	4,965	0	0	0	0	0	5,400

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable	Total Financing	
<b>WAS906328 SWM END OF PIPE FACILITIES</b>																							
0 38	COATSWORTH CUT DESIGN & CONSTRUCTION	CW	S6	04	0	0	0	300	2,200	2,500	7,700	10,200	0	0	821	0	9,379	0	0	0	0	10,200	
0 52	Scarborough Waterfront Construction - 2015 SC	CW	S3	04	0	0	1,150	4,000	9,600	14,750	33,200	47,950	0	0	3,860	0	44,090	0	0	0	0	47,950	
0 53	EARL BALES PARK SWM FACILITY - PHASE 2 - 2015 SC	CW	S3	04	100	1,300	0	0	0	1,400	0	1,400	0	0	112	0	1,288	0	0	0	0	1,400	
0 54	NORTH TORONTO CSO CONSTR-2015 SC	CW	S3	04	11	-349	0	0	0	-338	0	-338	0	0	-25	0	-313	0	0	0	0	-338	
0 55	Bonar Creek Construction-2015 SC	CW	S3	04	-500	-1,750	0	1,950	120	-180	0	-180	0	0	-15	0	-165	0	0	0	0	-180	
Sub-total					10,400	4,851	6,550	11,540	14,530	47,871	167,310	215,181	0	0	17,317	0	197,864	0	0	0	0	0	215,181
<b>WAS906331 SWM SOURCE CONTROL PROG</b>																							
0 9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	250	150	150	0	700	0	700	0	0	0	0	700	0	0	0	0	700	
0 15	DOWNSPOUT DISCONNECTION PROGRAM- 2015 SC	CW	S3	04	0	-100	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	-100	
Sub-total					150	150	150	150	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600
<b>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</b>																							
0 1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	1,310	1,280	1,600	780	5	4,975	0	4,975	0	0	398	0	4,577	0	0	0	0	4,975	
0 2	ODOUR CONTROL UPGRADES PHASE 1 CONST	CW	S2	02	16,140	13,700	14,200	14,320	10,000	68,360	0	68,360	0	0	5,504	0	62,856	0	0	0	0	68,360	
0 3	ODOUR CONTROL UPGRADES - PH 2	CW	S6	02	0	0	0	400	1,000	1,400	33,700	35,100	0	0	1,413	0	33,687	0	0	0	0	35,100	
0 16	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2015 SC	CW	S3	04	-805	195	320	320	800	830	0	830	0	0	71	0	759	0	0	0	0	830	
0 17	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2015 SC	CW	S3	02	-1,140	3,300	800	680	-4,425	-785	0	-785	0	0	-66	0	-719	0	0	0	0	-785	
Sub-total					15,505	18,475	16,920	16,500	7,380	74,780	33,700	108,480	0	0	7,320	0	101,160	0	0	0	0	0	108,480
<b>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</b>																							
0 3	PCS-PLANT SRVS	CW	S2	04	1,530	50	30	0	0	1,610	0	1,610	0	0	129	0	1,481	0	0	0	0	1,610	
0 4	LANDSCAPE SITE DESIGN	CW	S2	04	0	0	0	0	0	0	800	800	0	0	0	0	800	0	0	0	0	800	
0 45	LANDSCAPE SITE DESIGN - 2015 SC	CW	S3	04	0	0	0	0	0	0	-800	-800	0	0	0	0	-800	0	0	0	0	-800	
0 46	PCS-PLANT SRVS-2015 SC	CW	S3	04	-35	0	0	0	0	-35	0	-35	0	0	-3	0	-32	0	0	0	0	-35	
Sub-total					1,495	50	30	0	0	1,575	0	1,575	0	0	126	0	1,449	0	0	0	0	0	1,575
<b>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</b>																							
0 2	PCS PLANT SERVICES	CW	S2	04	108	3	0	0	0	111	0	111	0	0	9	0	102	0	0	0	0	111	

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**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>																									
0	20	PCS PLANT SERVICES-2015 SC	CW	S3	04	-45	117	0	0	0	72	0	72	0	0	6	0	66	0	0	0	0	0	72	
Sub-total						63	120	0	0	0	183	0	183	0	0	15	0	168	0	0	0	0	0	183	
<u>WAS906488 HUMBER T.P. - II YR2004</u>																									
0	2	PCS PLANT SERVICES	CW	S2	04	180	5	7	0	0	192	0	192	0	0	15	0	177	0	0	0	0	0	192	
0	22	PCS PLANT SERVICES-2015 SC	CW	S3	04	-25	0	0	7	0	-18	0	-18	0	0	-1	0	-17	0	0	0	0	0	-18	
Sub-total						155	5	7	7	0	174	0	174	0	0	14	0	160	0	0	0	0	0	174	
<u>WAS906492 WET WEATHER FLOW MP</u>																									
0	1	SWM INA-EA	CW	S2	04	610	150	150	150	0	1,060	0	1,060	0	0	85	0	975	0	0	0	0	0	1,060	
0	2	WWFMP - PUBLIC EDUCATION	CW	S2	04	500	500	0	0	0	1,000	0	1,000	0	0	80	0	920	0	0	0	0	0	1,000	
0	10	10 Yr WWFMP Public Ed - Communications	CW	S6	04	0	3,000	4,000	5,125	6,000	18,125	30,000	48,125	0	0	3,873	0	44,252	0	0	0	0	0	48,125	
0	11	10 Yr WWFMMP Implementation	CW	S6	04	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&CONTRACT ADMIN	CW	S2	04	1,132	1,000	500	0	0	2,632	0	2,632	0	0	212	0	2,420	0	0	0	0	0	2,632	
0	15	WWF MONITORING STATIONS	CW	S2	04	0	0	0	500	200	700	400	1,100	0	0	88	0	1,012	0	0	0	0	0	1,100	
0	40	10 YEAR SWM - CONVEYANCE	CW	S6	04	0	0	0	500	200	700	7,400	8,100	0	0	652	0	7,448	0	0	0	0	0	8,100	
0	44	SWM CONVEYANCE 2013	CW	S2	04	319	0	0	0	0	319	0	319	0	0	26	0	293	0	0	0	0	0	319	
0	51	SWM CONVEYANCE 2014	CW	S2	04	4,299	0	0	0	0	4,299	0	4,299	0	0	0	0	4,299	0	0	0	0	0	4,299	
0	57	SWM CONVEYANCE 2014 - 2015 SC	CW	S3	04	-2,048	974	0	0	0	-1,074	0	-1,074	0	0	0	0	-1,074	0	0	0	0	0	-1,074	
0	58	SWM CONVEYANCE 2015	CW	S4	04	1,034	1,267	767	0	0	3,068	0	3,068	0	0	0	0	3,068	0	0	0	0	0	3,068	
0	59	STORM WATER POND ASSESSMENT & CLEANING	CW	S4	03	200	1,000	1,000	2,200	2,200	6,600	0	6,600	0	0	0	0	6,600	0	0	0	0	0	6,600	
0	60	Ashbridges Bay Landforms	CW	S4	04	5,333	15,689	3,390	8,668	0	33,080	0	33,080	0	0	0	0	33,080	0	0	0	0	0	33,080	
0	61	Humber Bay Landforms	CW	S6	04	0	0	0	0	0	0	5,000	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000	
0	62	SWM INA/EA-2015 SC	CW	S3	04	-25	400	200	50	50	675	0	675	0	0	54	0	621	0	0	0	0	0	675	
0	63	WWFMP IMPLEMENTATION - DESIGN-2015 SC	CW	S3	04	1,467	700	850	0	0	3,017	0	3,017	0	0	243	0	2,774	0	0	0	0	0	3,017	
0	64	WET WEATHER FLOW MONITORING STATIONS-2015 SC	CW	S3	04	0	0	0	-500	-200	-700	-400	-1,100	0	0	-88	0	-1,012	0	0	0	0	0	-1,100	





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**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906741 HIGHLAND CREEK TP YR2005</u>																							
0 1	WAS THICKENING AND DEWATERING ENG	CW	S2	03	317	313	0	5	0	635	0	635	0	0	51	0	584	0	0	0	0	635	
0 17	WAS THICKENING AND DEWATERING - ENG-2015 SC	CW	S3	03	-195	-198	5	-5	0	-393	0	-393	0	0	-32	0	-361	0	0	0	0	-393	
Sub-total					122	115	5	0	0	242	0	242	0	0	19	0	223	0	0	0	0	242	
<u>WAS906742 HUMBER TP YR2005</u>																							
0 6	HEADHOUSE UPGRADES Phase 1	CW	S2	03	40	0	0	0	0	40	0	40	0	0	4	0	36	0	0	0	0	40	
0 8	ODOUR CONTROL ENGINEERING	CW	S2	04	1,213	421	100	101	0	1,835	0	1,835	0	0	0	0	1,835	0	0	0	0	1,835	
0 53	ODOUR CONTROL ENGINEERING-2015 SC	CW	S3	04	560	1,329	74	-1	101	2,063	0	2,063	0	0	0	0	2,063	0	0	0	0	2,063	
0 54	HEADHOUSE UPGRADES PHASE 1 - 2015 SC	CW	S3	03	-20	0	0	0	0	-20	0	-20	0	0	-2	0	-18	0	0	0	0	-20	
Sub-total					1,793	1,750	174	100	101	3,918	0	3,918	0	0	2	0	3,916	0	0	0	0	3,918	
<u>WAS906743 ASHRIDGES BAY TP YR2005</u>																							
0 1	Process & Equip Upgrades	CW	S2	03	660	322	458	82	0	1,522	0	1,522	0	0	123	0	1,399	0	0	0	0	1,522	
1 4	M & T IMPROVEMENTS (EQUIPMENT)	CW	S2	03	1,026	0	0	0	0	1,026	0	1,026	0	0	0	0	1,026	0	0	0	0	1,026	
1 7	SERVICE AIR UPGRADES	CW	S2	03	4,900	2,850	550	617	0	8,917	0	8,917	0	0	0	0	8,917	0	0	0	0	8,917	
0 51	SERVICE AIR UPGRADES - 2015 SC	CW	S3	03	-2,500	-450	2,450	-29	0	-529	0	-529	0	0	0	0	-529	0	0	0	0	-529	
0 52	MISC MECH ENGINEERING-2015 SC	CW	S3	03	-480	583	-183	768	0	688	0	688	0	0	54	0	634	0	0	0	0	688	
0 53	M & T RETROFIT-2015 SC	CW	S3	03	164	409	0	0	0	573	0	573	0	0	0	0	573	0	0	0	0	573	
Sub-total					3,770	3,714	3,275	1,438	0	12,197	0	12,197	0	0	177	0	12,020	0	0	0	0	12,197	
<u>WAS906755 WESTERN BEACHES RETROFIT</u>																							
0 1	WESTERN BEACHES RETROFIT	CW	S2	03	3,015	2,550	0	0	0	5,565	0	5,565	0	0	447	0	5,118	0	0	0	0	5,565	
0 10	WESTERN BEACHES RETROFIT-2015 SC	CW	S3	03	-1,812	1,550	1,000	0	0	738	0	738	0	0	60	0	678	0	0	0	0	738	
Sub-total					1,203	4,100	1,000	0	0	6,303	0	6,303	0	0	507	0	5,796	0	0	0	0	6,303	
<u>WAS906926 OPERATIONAL SUPPORT</u>																							
0 6	FACILITY RENOVATION	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	1,000	
0 7	RENOVATION - MERTON STREET	CW	S2	04	360	0	0	0	0	360	0	360	0	0	0	0	360	0	0	0	0	360	
0 23	HAND HELD DEVICES - UPDATED	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	150	

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**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

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						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906926 OPERATIONAL SUPPORT</u>																									
0	40	WWTP PLC PLATFORM UPGRADE	CW	S2	04	3,642	5,500	5,000	4,300	500	18,942	0	18,942	0	0	0	0	18,942	0	0	0	0	0	18,942	
0	71	YARDS & FACILITIES - 10 YR PLAN	CW	S6	03	0	520	1,620	1,625	1,625	5,390	8,125	13,515	0	0	0	0	13,515	0	0	0	0	0	13,515	
0	88	DIVISIONAL SECURITY - 2015 SC	CW	S3	04	720	0	0	0	0	720	0	720	0	0	0	0	720	0	0	0	0	0	720	
0	89	FACILITY RENOVATION - 2015 SC	CW	S3	04	0	1,000	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000	
0	90	DESIGNATED SUBSTANCE ABATEMENT - 2015 SC	CW	S3	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	91	PCS UPGRADES FOR WASTEWATER TREATMENT - 2015 SC	CW	S3	04	-2,062	-2,320	774	1,480	4,893	2,765	50	2,815	0	0	0	0	2,815	0	0	0	0	0	2,815	
0	92	NORTHLINE: BUILDING DEMO AND PAVING	CW	S4	01	300	0	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300	
0	93	EMP MONITORING NEEDS-2015 SC	CW	S3	04	-100	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	94	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S6	04	0	0	0	0	0	0	3,900	3,900	0	0	0	0	3,900	0	0	0	0	0	3,900	
0	95	DIVISIONAL SECURITY - BACKLOG	CW	S6	04	0	405	505	605	605	2,120	3,025	5,145	0	0	0	0	5,145	0	0	0	0	0	5,145	
Sub-total						4,110	5,255	7,949	8,010	7,623	32,947	15,100	48,047	0	0	0	0	48,047	0	0	0	0	0	48,047	
<u>WAS906958 SEWER SYSTEM REHABILITATION</u>																									
0	2	Group 2 & 3 Sewage P.S. Upgrades	CW	S2	03	34	0	0	0	0	34	0	34	0	0	3	0	31	0	0	0	0	0	34	
0	5	CCTV Inspection	CW	S2	03	1,000	1,000	0	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000	
0	7	10 Year Sewer Rehabilitation	CW	S6	03	0	0	6,000	45,000	50,000	101,000	295,103	396,103	0	0	0	0	396,103	0	0	0	0	0	396,103	
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	600	13	12	0	0	625	0	625	0	0	50	0	575	0	0	0	0	0	625	
0	9	SEWER REHABILITATION	CW	S2	03	22,111	37,700	37,700	0	0	97,511	0	97,511	0	0	0	0	97,511	0	0	0	0	0	97,511	
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	810	0	0	0	0	810	0	810	0	0	65	0	745	0	0	0	0	0	810	
0	24	GROUP 5 SEWAGE PUMPING STATION CAPACITY UPGRADES	CW	S2	05	3,250	6,250	5,250	4,020	20	18,790	0	18,790	0	0	1,514	0	17,276	0	0	0	0	0	18,790	
0	67	GROUPS 2,3&4 SEWAGE PS UPGRADES - 2015 SC	CW	S3	03	754	0	0	0	0	754	0	754	0	0	60	0	694	0	0	0	0	0	754	
0	68	SEWAGE PUMPING STATION STANDBY POWER - 2015 SC	CW	S3	02	-688	252	0	0	0	-436	0	-436	0	0	-35	0	-401	0	0	0	0	0	-436	
0	69	GROUP 5 SEWAGE PUMPING STATION UPGRADES - 2015 SC	CW	S3	05	-2,216	-2,000	1,050	2,280	3,645	2,759	1,056	3,815	0	0	305	0	3,510	0	0	0	0	0	3,815	
0	70	CCTV INSPECTION-2015 SC	CW	S3	03	200	200	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
0	71	SPS SCADA UPGRADES - ENGINEERING-2015 SC	CW	S3	04	0	487	0	0	0	487	0	487	0	0	39	0	448	0	0	0	0	0	487	

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**Gross Expenditures (\$000's)**

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**Wastewater Program**

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						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS906958 SEWER SYSTEM REHABILITATION</b>																									
0	72	SEWER REHABILITATION-2015 SC	CW	S3	03	8,942	-4,080	-13,600	4,500	0	-4,238	0	-4,238	0	0	0	0	-4,238	0	0	0	0	0	-4,238	
0	73	LATERAL REHAB- 2015 SC	CW	S3	03	271	0	0	0	0	271	0	271	0	0	0	0	271	0	0	0	0	0	271	
Sub-total						35,068	39,822	36,412	55,800	53,665	220,767	296,159	516,926	0	0	2,001	0	514,925	0	0	0	0	0	516,926	
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																									
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	80	0	920	0	0	0	0	0	1,000	
0	5	10 Year Stream Restoration - All Districts	CW	S6	03	0	0	5,160	5,310	10,160	20,630	54,950	75,580	0	0	6,082	0	69,498	0	0	0	0	0	75,580	
0	7	STREAM RESTORATION	CW	S2	03	7,533	5,370	2,500	310	160	15,873	790	16,663	0	0	1,342	0	15,321	0	0	0	0	0	16,663	
0	26	STREAM RESTORATION-CRITICAL LOCATIONS	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500	
0	27	HIGHLAND CREEK STREAM RESTORATION - 10 YEAR	CW	S6	03	0	0	0	1,000	1,000	2,000	5,000	7,000	0	0	567	0	6,433	0	0	0	0	0	7,000	
0	28	STREAM RESTORATION CRITICAL LOCAITONS - 10 YR	CW	S6	03	0	0	0	500	500	1,000	2,500	3,500	0	0	280	0	3,220	0	0	0	0	0	3,500	
0	34	HIGHLAND CREEK STREAM RESTORATION - 2015 SC	CW	S3	04	-1,000	0	0	0	0	-1,000	0	-1,000	0	0	-80	0	-920	0	0	0	0	0	-1,000	
0	35	STREAM RESTORATION - 2015 SC	CW	S3	03	4,828	1,525	2,389	1,716	1,655	12,113	-740	11,373	0	0	914	0	10,459	0	0	0	0	0	11,373	
0	36	STREAM RESTORATION - CRITICAL LOCATIONS - 2015 SC	CW	S3	03	-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0	0	0	0	0	-500	
0	37	WATERCOURSE EROSION CONTROL	CW	S6	04	0	0	0	0	0	0	3,000	3,000	0	0	242	0	2,758	0	0	0	0	0	3,000	
Sub-total						12,361	6,895	10,049	8,836	13,475	51,616	65,500	117,116	0	0	9,427	0	107,689	0	0	0	0	0	117,116	
<b>WAS906964 CONVEYANCE CONTROLS - REPLC &amp; REHAB</b>																									
0	18	COATSWORTH CUT - PHASE 1 WATER QUALITY IMP	CW	S2	04	64	0	0	0	0	64	0	64	0	0	0	0	64	0	0	0	0	0	64	
0	28	COATSWORTH CUT PHASE 1 WATER QUALITY IMP-2015 SC	CW	S3	04	-20	0	0	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	0	-20	
Sub-total						44	0	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	0	44	
<b>WAS906966 SWM TRCA FUNDING</b>																									
0	8	10 Year TRCA Funding	CW	S6	04	0	4,171	4,275	4,382	4,491	17,319	24,200	41,519	0	0	3,342	0	38,177	0	0	0	0	0	41,519	
0	18	TORONTO WATER TRANSFER TO TRCA CAPITAL - 2015 SC	CW	S3	04	4,069	0	0	0	0	4,069	0	4,069	0	0	327	0	3,742	0	0	0	0	0	4,069	
Sub-total						4,069	4,171	4,275	4,382	4,491	21,388	24,200	45,588	0	0	3,669	0	41,919	0	0	0	0	0	0	45,588
<b>WAS906968 ENGINEERING</b>																									
0	2	CONSULTING FEES	CW	S2	03	5,298	5,874	5,912	5,445	4,160	26,689	5,016	31,705	0	0	0	0	31,705	0	0	0	0	0	31,705	

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**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAS906968 ENGINEERING</u>																							
0	54	ROAD RESTORATION - 2015 SC	CW	S3	03	1,400	1,249	0	0	0	2,649	0	2,649	0	0	0	0	2,649	0	0	0	0	2,649
0	55	CONSULTING FEES - 2015 SC	CW	S3	03	2,127	2,182	-867	-2,792	-3,909	-3,259	-3,950	-7,209	0	0	0	0	-7,209	0	0	0	0	-7,209
0	56	ECS SALARIES - 2015 SC	CW	S3	03	12,199	0	0	0	0	12,199	0	12,199	0	0	0	0	12,199	0	0	0	0	12,199
Sub-total						21,024	9,305	5,045	2,653	251	38,278	1,066	39,344	0	0	0	0	39,344	0	0	0	0	39,344
<u>WAS906973 SEWER REPLACEMENT PROGRAM</u>																							
0	3	10 Year Sewer Replacement	CW	S6	03	0	25,000	35,000	40,000	45,000	145,000	270,000	415,000	0	0	16,699	0	398,301	0	0	0	0	415,000
0	24	SEWAGE FORCEMAIN REPLACEMENT	CW	S2	03	1,662	0	0	0	0	1,662	0	1,662	0	0	0	0	1,662	0	0	0	0	1,662
0	25	SEWER REPLACEMENT 2012	CW	S2	03	2,122	0	0	0	0	2,122	0	2,122	0	0	0	0	2,122	0	0	0	0	2,122
0	35	SEWER REPLACEMENT - 2013 PROGRAM	CW	S2	03	3,204	0	0	0	0	3,204	0	3,204	0	0	259	0	2,945	0	0	0	0	3,204
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	13,580	2,000	0	0	0	15,580	0	15,580	0	0	0	0	15,580	0	0	0	0	15,580
0	37	FORCEMENT REPLACEMENT - 10 YEAR	CW	S6	03	0	500	2,000	2,000	2,000	6,500	10,000	16,500	0	0	0	0	16,500	0	0	0	0	16,500
0	44	COXWELL TRUNK EMERGENCY REPAIR	CW	S2	03	1,559	0	0	0	0	1,559	0	1,559	0	0	0	0	1,559	0	0	0	0	1,559
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	2,750	0	0	0	0	2,750	0	2,750	0	0	1,544	0	1,206	0	0	0	0	2,750
0	47	WATERFRONT SANITARY SERVICING INFRASTRUCTURE	CW	S2	04	3,561	0	0	0	0	3,561	0	3,561	0	0	2,324	0	1,237	0	0	0	0	3,561
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	2,245	1,608	1,096	603	0	5,552	0	5,552	0	0	0	0	5,552	0	0	0	0	5,552
0	59	FORCEMAIN REPLACEMENT - 2015 SC	CW	S3	03	-1,000	1,505	5	0	0	510	0	510	0	0	0	0	510	0	0	0	0	510
0	60	SEWER REPLC - 2014 PROGRAM - 2015 SC	CW	S3	03	-3,593	104	0	0	0	-3,489	0	-3,489	0	0	0	0	-3,489	0	0	0	0	-3,489
0	61	SEWER REPLACEMENT - METROLINX - 2015 SC	CW	S3	03	-2,188	-1,551	804	1,297	1,786	148	0	148	0	0	0	0	148	0	0	0	0	148
0	62	SEWER REPLC - 2015 PROGRAM	CW	S4	03	10,635	6,732	5,491	0	0	22,858	0	22,858	0	0	1,840	0	21,018	0	0	0	0	22,858
0	63	2012 SEWER REPLC-2015 SC	CW	S3	03	-803	1,279	0	0	0	476	0	476	0	0	0	0	476	0	0	0	0	476
0	64	2013 SEWER REPLC-2015 SC	CW	S3	03	-1,844	517	0	0	0	-1,327	0	-1,327	0	0	-108	0	-1,219	0	0	0	0	-1,327
0	65	WATERFRONT STORMWATER INFRASTRUCTURE - 2015 SC	CW	S3	04	6,500	4,000	0	0	0	10,500	0	10,500	0	0	7,121	0	3,379	0	0	0	0	10,500
0	66	WATERFRONT SANITARY SERVICING INFR - 2015 SC	CW	S3	04	7,439	4,020	0	0	0	11,459	0	11,459	0	0	7,498	0	3,961	0	0	0	0	11,459

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAS906973 SEWER REPLACEMENT PROGRAM</u>																							
0	67	COXWELL EMERGENCY TRUNK REPAIR- 2015 SC	CW	S3	03	-1,383	54	0	0	0	-1,329	0	-1,329	0	0	0	0	0	0	0	0	-1,329	
Sub-total						44,446	45,768	44,396	43,900	48,786	227,296	280,000	507,296	0	0	37,177	0	470,119	0	0	0	0	507,296
<u>WAS906980 ASHBRIDGES BAY T.P. YR2006</u>																							
0	8	MEDIATION AGREEMENT IMPLEMENTATION - PART 2	CW	S2	04	25	0	0	0	0	25	0	25	0	0	2	0	23	0	0	0	0	25
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	2,030	2,226	0	0	0	4,256	0	4,256	0	0	343	0	3,913	0	0	0	0	4,256
0	36	DEWATERING EQUIPMENT UPGRADES-2015 SC	CW	S3	03	-1,220	-1,716	1,049	0	0	-1,887	0	-1,887	0	0	-153	0	-1,734	0	0	0	0	-1,887
0	37	MEDIATION AGREEMENT IMPLEMENTATION- 2015 SC	CW	S3	04	-25	0	0	0	0	-25	0	-25	0	0	-2	0	-23	0	0	0	0	-25
Sub-total						810	510	1,049	0	0	2,369	0	2,369	0	0	190	0	2,179	0	0	0	0	2,369
<u>WAS906981 HIGHLAND CREEK WWTP UPGRADES</u>																							
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,780	1,323	610	620	620	5,953	459	6,412	0	0	0	0	6,412	0	0	0	0	6,412
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,892	20,650	20,081	9,150	30	60,803	0	60,803	0	0	4,917	0	55,886	0	0	0	0	60,803
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	0	1,000	1,250	1,690	1,200	5,140	0	5,140	0	0	414	0	4,726	0	0	0	0	5,140
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	1,467	57	0	0	0	1,524	0	1,524	0	0	0	0	1,524	0	0	0	0	1,524
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	1,785	4,950	4,680	50	0	11,465	0	11,465	0	0	0	0	11,465	0	0	0	0	11,465
0	16	MECH SYSTEMS UPGRADES - CONSTR	CW	S2	03	731	0	0	0	0	731	0	731	0	0	0	0	731	0	0	0	0	731
0	23	ELECTRICAL UPGRADES-ECAR	CW	S2	03	2,357	3,135	590	2,720	4,800	13,602	0	13,602	0	0	0	0	13,602	0	0	0	0	13,602
0	31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	1,076	0	0	0	0	1,076	0	1,076	0	0	0	0	1,076	0	0	0	0	1,076
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	2,050	300	0	0	0	2,350	0	2,350	0	0	0	0	2,350	0	0	0	0	2,350
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	2,704	0	0	0	0	2,704	0	2,704	0	0	0	0	2,704	0	0	0	0	2,704
0	83	PLANT FIRM CAPACITY - CONCEPT DESIGN	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	25
0	84	TRANSFORMERS AND SWITCHGEAR - 2015 SC	CW	S3	05	0	-500	-750	-1,190	800	-1,640	14,000	12,360	0	0	994	0	11,366	0	0	0	0	12,360
0	85	MECH SYSTEM UPGRADES - CONSTR - 2015 SC	CW	S3	03	-681	762	0	0	0	81	0	81	0	0	0	0	81	0	0	0	0	81
0	86	CEPA COMPLIANCE - CL NOTICE - HCTP - 2015 SC	CW	S3	02	-2,000	150	2,000	0	0	150	0	150	0	0	0	0	150	0	0	0	0	150
0	87	DIGESTER CLEANING, REHAB AND IMPRO #4-7 - 2015 SC	CW	S3	03	-1,690	1,500	1,300	0	0	1,110	0	1,110	0	0	0	0	1,110	0	0	0	0	1,110

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**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906981 HIGHLAND CREEK WWTP UPGRADES</u>																									
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S4	03	50	150	50	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250	
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S4	03	555	735	125	0	0	1,415	0	1,415	0	0	0	0	1,415	0	0	0	0	0	1,415	
0	92	PLANT WIDE CONCRETE TUNNEL REPAIR	CW	S4	03	600	2,650	4,150	3,600	1,400	12,400	0	12,400	0	0	0	0	12,400	0	0	0	0	0	12,400	
0	94	PROCESS & FACILITY UPGRADE-2015 SC	CW	S3	04	8	787	340	55	107	1,297	509	1,806	0	0	0	0	1,806	0	0	0	0	0	1,806	
0	95	BIOSOLIDS TREATMENT UPGRADES -2015 SC	CW	S3	03	-530	-2,260	-13,986	-9,030	90	-25,716	70	-25,646	0	0	-2,073	0	-23,573	0	0	0	0	0	-25,646	
0	96	MECH & ELECTRICAL UPGRADE ENGINEERING-2015 SC	CW	S3	03	-1,299	1,521	45	0	0	267	0	267	0	0	0	0	267	0	0	0	0	0	267	
0	97	ELEC SYSTEM UPGRADES - CONSTR-2015 SC	CW	S3	03	-776	1,383	0	0	0	607	0	607	0	0	0	0	607	0	0	0	0	0	607	
0	98	DIGESTER GAS SYSTEM UPGRADES-2015 SC	CW	S3	03	-710	-375	-80	-40	0	-1,205	0	-1,205	0	0	0	0	-1,205	0	0	0	0	0	-1,205	
0	99	ELECTRICAL UPGRADES - ECAR-2015 SC	CW	S3	03	63	-556	0	0	0	-493	0	-493	0	0	0	0	-493	0	0	0	0	0	-493	
0	100	PLANT FIRM CAPACITY - CONCEPT DESIGN-2015 SC	CW	S3	03	0	25	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25	
0	101	AERATION SYSTEM AND ASSOCIATED BUILDING UPGRADES	CW	S6	04	0	2,500	3,500	3,500	3,500	13,000	6,500	19,500	0	0	0	0	19,500	0	0	0	0	0	19,500	
0	102	LIQUID TRAIN - ENGINEERING	CW	S4	03	200	4,100	5,500	6,500	8,600	24,900	15,480	40,380	0	0	0	0	40,380	0	0	0	0	0	40,380	
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6	04	0	0	0	0	10,000	10,000	96,000	106,000	0	0	0	0	106,000	0	0	0	0	0	106,000	
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6	03	0	0	0	250	250	500	1,250	1,750	0	0	0	0	1,750	0	0	0	0	0	1,750	
0	105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6	03	0	0	0	0	0	0	34,700	34,700	0	0	0	0	34,700	0	0	0	0	0	34,700	
Sub-total						19,657	43,987	29,405	17,875	31,397	142,321	168,968	311,289	0	0	4,252	0	307,037	0	0	0	0	0	311,289	
<u>WAS906982 HUMBER WWTP UPGRADES</u>																									
0	2	Chlorine Building Upgrade	CW	S2	01	3,066	25	25	0	0	3,116	0	3,116	0	0	0	0	3,116	0	0	0	0	0	3,116	
0	5	FLOOD PROTECTION	CW	S2	02	250	0	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250	
0	6	NEW SUBSTATION	CW	S2	03	2,080	3,015	0	0	0	5,095	0	5,095	0	0	0	0	5,095	0	0	0	0	0	5,095	
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,129	3,525	2,425	2,250	1,750	12,079	1,750	13,829	0	0	0	0	13,829	0	0	0	0	0	13,829	
0	8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	CW	S2	01	350	0	0	0	0	350	0	350	0	0	0	0	350	0	0	0	0	0	350	
0	29	ADMIN BUILDING EXPANSION	CW	S2	04	350	400	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0	52	HVAC UPGRADES	CW	S2	03	3,950	1,620	20	10	0	5,600	0	5,600	0	0	0	0	5,600	0	0	0	0	0	5,600	

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**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAS906982 HUMBER WWTP UPGRADES</b>																							
0 68	ADMIN BUILDING EXPANSION	CW	S6	04	0	0	0	0	3,075	3,075	5,380	8,455	0	0	0	0	8,455	0	0	0	0	8,455	
0 73	ADMIN BUILDING EXPANSION - 2015 SC	CW	S3	04	-250	-150	300	100	260	260	310	570	0	0	0	0	570	0	0	0	0	570	
0 74	HVAC UPGRADES - 2015 SC	CW	S3	03	-3,400	3,064	3,337	8	3	3,012	0	3,012	0	0	0	0	3,012	0	0	0	0	3,012	
0 75	HYDRAULIC ASSESSMENT	CW	S4	03	50	200	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	250	
0 76	CHLORINE FACILITY UPGRADE-2015 SC	CW	S3	01	-19	914	9	0	0	904	0	904	0	0	0	0	904	0	0	0	0	904	
0 77	ELECTRICAL CONDITION ASSESSMENT -2015 SC	CW	S3	01	-1,057	-2,357	2,518	650	-750	-996	-1,750	-2,746	0	0	0	0	-2,746	0	0	0	0	-2,746	
0 78	NEW SUBSTATION-2015 SC	CW	S3	03	668	-2,536	3	0	0	-1,865	0	-1,865	0	0	0	0	-1,865	0	0	0	0	-1,865	
0 79	NEW GROUNDSKEEPING BUILDING-2015 SC	CW	S3	01	850	227	0	0	0	1,077	0	1,077	0	0	0	0	1,077	0	0	0	0	1,077	
0 80	FLOOD PROTECTION-2015 SC	CW	S3	02	-250	0	0	0	0	-250	0	-250	0	0	0	0	-250	0	0	0	0	-250	
0 81	BLOWER REPLACEMENT	CW	S6	03	0	100	200	750	4,700	5,750	12,700	18,450	0	0	0	0	18,450	0	0	0	0	18,450	
0 82	DIGESTERS CLEANING REHAB	CW	S6	03	0	0	410	825	825	2,060	2,050	4,110	0	0	0	0	4,110	0	0	0	0	4,110	
0 83	ELECTRICAL UPGRADES - FUTURE	CW	S6	01	0	550	900	500	400	2,350	500	2,850	0	0	0	0	2,850	0	0	0	0	2,850	
0 84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	0	0	3,075	3,075	0	0	0	0	3,075	0	0	0	0	3,075	
0 85	BUILDING UPGRADES ENGINEERING-2015 SC	CW	S3	03	370	60	10	0	0	440	0	440	0	0	0	0	440	0	0	0	0	440	
Sub-total					9,137	8,657	10,157	5,093	10,263	43,307	24,015	67,322	0	0	0	0	67,322	0	0	0	0	67,322	
<b>WAS906994 HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HA</b>																							
0 1	HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING	CW	S2	04	4,300	3,000	3,000	3,000	2,000	15,300	500	15,800	0	0	1,270	0	14,530	0	0	0	0	15,800	
0 3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	3,000	4,047	0	0	0	7,047	0	7,047	0	0	568	0	6,479	0	0	0	0	7,047	
0 8	HCTP - BIOSOLID IMPLEMENTATION - CONSTRUCTION	CW	S6	04	0	0	1,000	25,000	40,000	66,000	68,000	134,000	0	0	5,392	0	128,608	0	0	0	0	134,000	
0 13	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION - 2015 SC	CW	S3	04	-3,654	100	1,050	-1,500	1,000	-3,004	4,000	996	0	0	81	0	915	0	0	0	0	996	
0 14	WAS THICKENING - CONSTR-2015 SC	CW	S3	03	-2,900	-47	0	0	0	-2,947	0	-2,947	0	0	-238	0	-2,709	0	0	0	0	-2,947	
Sub-total					746	7,100	5,050	26,500	43,000	82,396	72,500	154,896	0	0	7,073	0	147,823	0	0	0	0	154,896	
<b>WAS907038 Land Acquisition for Source Water Protect</b>																							
0 9	TRCA CRITICAL EROSION - FUTRE	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	0	18,000	



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Total Financing
<b>WAS907038 Land Acquisition for Source Water Protect</b>																						
0 13	TRCA - CRITICAL EROSION SITES	CW	S2	04	7,000	0	0	0	0	7,000	0	7,000	0	0	564	0	6,436	0	0	0	0	7,000
0 14	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2015 SC	CW	S3	04	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	1,500
0 15	TRCA - WATERCOURSE EROSION CONTROL	CW	S6	04	0	5,000	6,000	6,000	7,500	24,500	40,500	65,000	0	0	1,744	0	19,923	0	0	43,333	0	65,000
Sub-total					8,500	7,000	8,000	8,000	9,500	41,000	50,500	91,500	0	0	3,757	0	44,410	0	0	43,333	0	91,500
<b>WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC</b>																						
0 7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	32	S2	02	270	0	0	0	0	270	0	270	0	0	0	0	270	0	0	0	0	270
0 19	CITY IMPROVEMENTS RE: TH COGEN	CW	S2	04	1,050	1,300	2,500	2,200	1,000	8,050	50	8,100	0	0	0	0	8,100	0	0	0	0	8,100
0 21	BLOWER BLDG AND OLD NORTH SUBSTAION IMPROVEMENTS	CW	S2	04	2,647	2,805	60	0	0	5,512	0	5,512	0	0	0	0	5,512	0	0	0	0	5,512
0 40	GROVE LANDSCAPING PH1	CW	S6	04	0	0	0	0	0	0	2,000	2,000	0	0	0	0	2,000	0	0	0	0	2,000
0 50	CONTROLLED SUBS IDENTIFICATION&ABATEMENT-2015SC	CW	S3	02	-170	100	0	0	0	-70	0	-70	0	0	0	0	-70	0	0	0	0	-70
0 51	CITY IMPROVEMENTS RE: TH COGEN - 2015 SC	CW	S3	04	-900	-400	-1,200	-200	-950	-3,650	0	-3,650	0	0	0	0	-3,650	0	0	0	0	-3,650
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	0	800
0 53	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2015 SC	CW	S3	04	-1,947	-1,045	1,890	1,095	10	3	0	3	0	0	0	0	3	0	0	0	0	3
Sub-total					950	2,760	3,350	3,195	160	10,415	2,550	12,965	0	0	0	0	12,965	0	0	0	0	12,965
<b>WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE</b>																						
0 1	ABTP DISINFECTION ENGINEERING	CW	S2	02	1,899	3,500	4,410	1,610	889	12,308	250	12,558	0	0	1,012	0	11,546	0	0	0	0	12,558
0 2	OUTFALL CONSTRUCTION	CW	S6	02	0	0	0	10,000	75,000	85,000	242,000	327,000	0	0	13,158	0	313,842	0	0	0	0	327,000
0 13	ABTP OUTFALL ASSESSMENT	CW	S2	02	1,300	0	0	0	0	1,300	0	1,300	0	0	105	0	1,195	0	0	0	0	1,300
0 14	OUTFALL ENGINEERING	CW	S4	02	100	7,000	7,000	1,400	5,000	20,500	12,800	33,300	0	0	2,679	0	30,621	0	0	0	0	33,300
0 15	ABTP DISINFECTION CONSTRUCTION	CW	S6	02	0	100	39,900	70,000	60,000	170,000	15,500	185,500	0	0	7,464	0	178,036	0	0	0	0	185,500
0 21	DISINFECTION ENGINEERING - 2015 SC	CW	S3	02	-1,149	210	929	390	61	441	40	481	0	0	37	0	444	0	0	0	0	481
0 22	OUTFALL ASSESSMENT - 2015 SC	CW	S3	02	-1,290	1,020	0	0	0	-270	0	-270	0	0	-22	0	-248	0	0	0	0	-270
Sub-total					860	11,830	52,239	83,400	140,950	289,279	270,590	559,869	0	0	24,433	0	535,436	0	0	0	0	559,869
<b>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMEN</b>																						
0 1	FINE BUBBLE AERATION IMPLEMENTATION	CW	S2	03	9,500	8,000	0	0	0	17,500	0	17,500	0	0	1,409	0	16,091	0	0	0	0	17,500

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT</b>																									
0	2	PRIMARY TREATMENT UPGRADE - DESIGN & CONST CONT #2	CW	S6	04	0	0	0	0	100	100	61,000	61,100	0	0	2,458	0	58,642	0	0	0	0	0	61,100	
0	3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	25,175	29,500	33,500	28,000	0	116,175	0	116,175	0	0	9,336	0	106,839	0	0	0	0	0	116,175	
0	5	FINE BUBBLE AERATION CONSTR CONT#2	CW	S6	03	0	0	200	1,000	10,000	11,200	129,000	140,200	0	0	5,641	0	134,559	0	0	0	0	0	140,200	
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,250	2,670	0	0	0	7,920	0	7,920	0	0	0	0	7,920	0	0	0	0	0	7,920	
0	7	Primary and Secondary Tanks Rehabilitation	CW	S2	03	1,900	600	0	0	0	2,500	0	2,500	0	0	201	0	2,299	0	0	0	0	0	2,500	
0	10	INTERGRATED PUMPING STATION - ENGINEERING	CW	S2	03	4,500	7,050	7,050	7,000	6,500	32,100	14,733	46,833	0	0	0	0	46,833	0	0	0	0	0	46,833	
0	12	WORK AREA 1 REHAB	CW	S2	03	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	
0	39	INTEGRATED PUMPING STATION - CONSTRUCTION	CW	S2	03	0	10,000	35,000	45,000	45,000	135,000	190,000	325,000	0	0	0	0	325,000	0	0	0	0	0	325,000	
0	57	INTEGRATED PUMPING STATION (IPS) - ENG - 2015 SC	CW	S3	03	-1,550	-2,400	-2,000	-1,000	-500	-7,450	5,267	-2,183	0	0	0	0	-2,183	0	0	0	0	0	-2,183	
0	58	WORK AREA 1 REHAB - 2015 SC	CW	S3	03	0	2	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	
0	59	Primary and Final Tank Upgrades - 2015 SC	CW	S3	03	1,000	-5	0	0	0	995	0	995	0	0	81	0	914	0	0	0	0	0	995	
0	60	M & T PUMPING STATION CRITICAL REPAIRS - 2015 SC	CW	S3	03	-1,050	3,000	0	0	0	1,950	0	1,950	0	0	0	0	1,950	0	0	0	0	0	1,950	
0	61	FINE BUBBLE AERATION - TANK #2-2015 SC	CW	S3	03	-2,700	-7,630	0	0	0	-10,330	0	-10,330	0	0	-832	0	-9,498	0	0	0	0	0	-10,330	
0	62	P BLDG HEADWORKS UPGRADE-2015 SC	CW	S3	03	555	5,500	-8,500	-12,869	0	-15,314	0	-15,314	0	0	-1,218	0	-14,096	0	0	0	0	0	-15,314	
0	63	INTEGRATED PUMPING STATION (IPS) - CONS-2015 SC	CW	S3	03	0	-9,000	-10,000	0	0	-19,000	19,000	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total						42,582	47,287	55,250	67,131	61,100	273,350	419,000	692,350	0	0	17,076	0	675,274	0	0	0	0	0	692,350	
<b>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</b>																									
0	3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	2,680	5,000	2,500	2,000	2,000	14,180	2,100	16,280	0	0	1,310	0	14,970	0	0	0	0	0	16,280	
0	4	DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	800	11,000	11,010	8,310	40	31,160	30	31,190	0	0	2,509	0	28,681	0	0	0	0	0	31,190	
0	8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
0	22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S6	03	0	0	5,000	15,000	20,000	40,000	45,000	85,000	0	0	3,422	0	81,578	0	0	0	0	0	85,000	
0	25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	1,450	0	0	0	0	1,450	0	1,450	0	0	0	0	1,450	0	0	0	0	0	1,450	
0	31	WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2015 SC	CW	S3	03	-1,180	-3,000	2,096	0	0	-2,084	2,000	-84	0	0	-6	0	-78	0	0	0	0	0	-84	
0	33	DIGESTERS 9-12 REFURBISH-2015 SC	CW	S3	03	-200	-10,400	940	2,390	4,670	-2,600	5,730	3,130	0	0	252	0	2,878	0	0	0	0	0	3,130	





**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<b>WAS907700 NORTH TORONTO WTP UPGRADES</b>																									
0	2	NTTP-ELECTRICAL UPGRADES	CW	S2	01	915	777	522	253	0	2,467	0	2,467	0	0	0	0	2,467	0	0	0	0	0	2,467	
0	8	NTTP - ELECTRICAL UPGRADES - ECAR - 2015 SC	CW	S3	01	-913	-25	-22	-3	0	-963	0	-963	0	0	0	0	-963	0	0	0	0	0	-963	
Sub-total						2	752	500	250	0	1,504	0	1,504	0	0	0	0	1,504	0	0	0	0	0	1,504	
<b>WAS908143 Georgetown South City Infrastructure Upgrades</b>																									
0	1	Georgetown South City Infrastructure Upgrades	CW	S4	05	5,680	0	0	0	0	5,680	0	5,680	0	0	0	0	5,680	0	0	0	0	0	5,680	
0	2	Georgetown South City Infrastructure Upgrades -FY	CW	S6	05	0	5,680	5,680	5,680	5,680	22,720	0	22,720	0	0	0	0	22,720	0	0	0	0	0	22,720	
Sub-total						5,680	5,680	5,680	5,680	5,680	28,400	0	28,400	0	0	0	0	28,400	0	0	0	0	0	28,400	
<b>WASWP003 EMERY CREEK POND</b>																									
0	1	EMERY CREEK POND	CW	S2	04	5,412	550	0	0	0	5,962	0	5,962	0	0	478	0	5,484	0	0	0	0	0	5,962	
0	13	EMERY CREEK POND - 2015 SC	CW	S3	04	-1,512	523	0	0	0	-989	0	-989	0	0	-78	0	-911	0	0	0	0	0	-989	
Sub-total						3,900	1,073	0	0	0	4,973	0	4,973	0	0	400	0	4,573	0	0	0	0	0	4,973	
<b>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</b>																									
0	35	MTI REAL TIME CONTROL	CW	S2	04	0	0	2,000	2,000	0	4,000	0	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000	
1	78	North Primaries Pumping Equipment	CW	S2	03	2,900	2,330	1,155	0	0	6,385	0	6,385	0	0	0	0	6,385	0	0	0	0	0	6,385	
0	127	EQUIPMENT REPLACEMENT-2015 SC	CW	S3	03	-2,520	2,340	2,065	1,890	20	3,795	30	3,825	0	0	0	0	3,825	0	0	0	0	0	3,825	
0	128	REHAB OF SOUTH PRIMARY CLARIFIERS- 2015 SC	CW	S3	03	6	188	0	0	0	194	0	194	0	0	0	0	194	0	0	0	0	0	194	
Sub-total						386	4,858	5,220	3,890	20	14,374	30	14,404	0	0	0	0	14,404	0	0	0	0	0	14,404	
<b>Total Program Expenditure</b>						466,685	567,970	648,009	782,627	876,184		3,341,475	3,953,972	7,295,447	0	0	287,916	06,964,198	0	0	43,333	0	0	7,295,447	

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 3: Council Approved Capital Budget; 2016 to 2024 Capital Plan**

**Wastewater Program**

Sub- Project No. Project Name Priority SubProj No. Sub-project Name Ward Stat. Cat.					Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By										
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt
Financed By:																					
Development Charges					31,598	29,887	25,144	25,808	29,725	142,162	145,754	287,916	0	0	287,916	0	0	0	0	0	287,916
Reserve Funds (Ind."XR" Ref.)					435,087	534,750	618,865	752,819	841,459	3,182,980	3,781,218	6,964,198	0	0	0	06,964,198	0	0	0	0	6,964,198
Other2 (External)					0	3,333	4,000	4,000	5,000	16,333	27,000	43,333	0	0	0	0	0	43,333	0	0	43,333
<b>Total Program Financing</b>					<b>466,685</b>	<b>567,970</b>	<b>648,009</b>	<b>782,627</b>	<b>876,184</b>	<b>3,341,475</b>	<b>3,953,972</b>	<b>7,295,447</b>	<b>0</b>	<b>0</b>	<b>287,916</b>	<b>06,964,198</b>	<b>0</b>	<b>0</b>	<b>43,333</b>	<b>0</b>	<b>7,295,447</b>

Status Code	Description
S2	S2 Prior Year (With 2015 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2015 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 2016 & Beyond)

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

## Appendix 4

### 2015 Cash Flow and Future Year Commitments

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT000004 HORGAN W.T.P. EXPANSION</b>																								
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	940	0	0	0	0	940	0	940	0	0	300	0	339	0	0	301	0	0	940
1	5	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	975	0	0	0	0	975	0	975	0	0	312	0	351	0	0	312	0	0	975
0	18	SUPERNATANT AND FORCEMAIN INSTALLATION	CW	S2	05	4,500	0	0	0	0	4,500	0	4,500	0	0	1,438	0	3,062	0	0	0	0	0	4,500
0	32	SUPERNATANT & FORCEMAIN-2015 SC	CW	S3	05	-2,000	4,500	0	0	0	2,500	0	2,500	0	0	799	0	1,701	0	0	0	0	0	2,500
0	33	PLANT EXPANSION - DESIGN & CONSTR ADMIN-2015 SC	CW	S3	05	-562	0	0	0	0	-562	0	-562	0	0	-179	0	-203	0	0	-180	0	0	-562
0	34	PLANT EXPANSION - CONSTRUCTION-2015 SC	CW	S3	05	-357	764	0	0	0	407	0	407	0	0	130	0	147	0	0	130	0	0	407
Sub-total						3,496	5,264	0	0	0	8,760	0	8,760	0	0	2,800	0	5,397	0	0	563	0	0	8,760
<b>WAT000014 WATER STORAGE EXPANSION</b>																								
0	1	DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	CW	S2	05	5	0	0	0	0	5	0	5	0	0	3	0	2	0	0	0	0	0	5
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	70	0	0	0	0	70	0	70	0	0	29	0	15	0	0	26	0	0	70
0	48	DUFFERIN RES. EXT. - DESIGN&CONT. ADMIN - 2015 SC	CW	S3	05	45	0	0	0	0	45	0	45	0	0	28	0	17	0	0	0	0	0	45
0	49	MILLIKEN PS&RESERVOIR-DESIGN&CONT&ADMIN	CW	S3	05	77	0	0	0	0	77	0	77	0	0	32	0	16	0	0	29	0	0	77
Sub-total						197	0	0	0	0	197	0	197	0	0	92	0	50	0	0	55	0	0	197
<b>WAT000018 CLARK RESIDUE MGMT. FACILITIES</b>																								
0	24	RESIDUALS RETROFITS & UPGRADES	CW	S2	02	380	450	0	0	0	830	0	830	0	0	0	0	830	0	0	0	0	0	830
0	27	RESIDUALS RETROFITS AND UPGRADES - 2015 SC	CW	S3	02	0	500	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
Sub-total						380	950	0	0	0	1,330	0	1,330	0	0	0	0	1,330	0	0	0	0	0	1,330
<b>WAT000021 WATER EFFICIENCY PROGRAM</b>																								
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	300	0	0	900	0	900	0	0	900	0	0	0	0	0	0	0	900
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	150	150	150	0	0	450	0	450	0	0	450	0	0	0	0	0	0	0	450
0	12	ANCILLARY COSTS	CW	S2	05	70	70	70	0	0	210	0	210	0	0	210	0	0	0	0	0	0	0	210
Sub-total						520	520	520	0	0	1,560	0	1,560	0	0	1,560	0	0	0	0	0	0	0	1,560
<b>WAT000340 ISLAND PLANT WINTERIZATION</b>																								
0	1	PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	444	0	0	0	0	444	0	444	0	0	0	0	444	0	0	0	0	0	444



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAT000340 ISLAND PLANT WINTERIZATION</b>																						
0 14	PLANT WINTERIZATION & SUMMERIZATION-2015 SC	CW	S3	04	-388	515	0	0	0	127	0	127	0	0	0	0	127	0	0	0	0	127
	Sub-total				56	515	0	0	0	571	0	571	0	0	0	0	571	0	0	0	0	571
<b>WAT000363 ENGINEERING STUDIES</b>																						
0 2	IMPROVED TREATMENT STUDIES	CW	S2	04	413	50	0	0	0	463	0	463	0	0	0	0	463	0	0	0	0	463
0 18	Controlled Substances ID and Abatement	CW	S2	02	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	200
0 31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	106	0	0	0	0	106	0	106	0	0	0	0	106	0	0	0	0	106
0 38	CORROSION CONTROL	CW	S2	02	1,401	0	0	0	0	1,401	0	1,401	0	0	85	0	1,316	0	0	0	0	1,401
0 58	CONTROLLED SUBSTANCES ID AND ABATEMENT - 2015 SC	CW	S3	02	0	68	70	60	0	198	0	198	0	0	0	0	198	0	0	0	0	198
0 59	CORROSION CONTROL - 2015 SC	CW	S3	02	-552	404	0	0	0	-148	0	-148	0	0	-8	0	-140	0	0	0	0	-148
0 60	IMPROVED TREATMENT STUDIES - 2015 SC	CW	S3	04	27	157	50	0	0	234	0	234	0	0	0	0	234	0	0	0	0	234
0 61	ENERGY EFFICIENCY IMPLEMENTATION-2015 SC	CW	S3	04	52	100	0	0	0	152	0	152	0	0	0	0	152	0	0	0	0	152
	Sub-total				1,647	779	120	60	0	2,606	0	2,606	0	0	77	0	2,529	0	0	0	0	2,606
<b>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>																						
0 7	NETWORK EQUIPMENT REPLACEMENT	CW	S2	03	1,545	0	0	0	0	1,545	0	1,545	0	0	0	0	1,545	0	0	0	0	1,545
0 8	NETWORK CABLE LIFECYCLE REPLACEMENT	CW	S2	03	5,816	2,866	11	0	0	8,693	0	8,693	0	0	0	0	8,693	0	0	0	0	8,693
0 9	TRUNK RADIO SYSTEM	CW	S2	04	0	200	100	0	0	300	0	300	0	0	0	0	300	0	0	0	0	300
0 12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	1,350	0	0	0	0	1,350	0	1,350	0	0	0	0	1,350	0	0	0	0	1,350
0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	200
0 41	BUSINESS & TECH IMPROVEMENT - PHASE 2	CW	S2	04	2,732	1,720	1,047	792	0	6,291	0	6,291	0	0	0	0	6,291	0	0	0	0	6,291
0 42	WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEMENTS	CW	S2	04	3,727	240	760	0	0	4,727	0	4,727	0	0	0	0	4,727	0	0	0	0	4,727
0 63	NETWORK CABLE LIFE CYCLE REPLACEMENT - 2015 SC	CW	S3	03	-4,281	-1,032	2,039	1,500	0	-1,774	0	-1,774	0	0	0	0	-1,774	0	0	0	0	-1,774
0 64	RELIABILITY IMPROVEMENT PROGRAM - 2015 SC	CW	S3	04	685	885	0	0	0	1,570	0	1,570	0	0	0	0	1,570	0	0	0	0	1,570
0 65	SCADA UPGRADES FOR WWT - 2015 SC	CW	S3	04	-125	1,644	3,358	4,918	6,715	16,510	7,560	24,070	0	0	0	0	24,070	0	0	0	0	24,070
0 66	PCS UPGRADES FOR WATER SUPPLY - 2015 SC	CW	S3	04	-1,657	1,044	-541	0	0	-1,154	0	-1,154	0	0	0	0	-1,154	0	0	0	0	-1,154

**CITY OF TORONTO**

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

<b>Water Program</b>						<b>Current and Future Year Cash Flow Commitments</b>							<b>Current and Future Year Cash Flow Commitments Financed By</b>										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<b>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>																							
0 67	SCADA UPGRADES FOR WWT - II	CW	S4	04	501	415	400	600	350	2,266	0	2,266	0	0	0	0	2,266	0	0	0	0	0	2,266
0 68	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2015 SC	CW	S3	03	-1,165	38	0	0	0	-1,127	0	-1,127	0	0	0	0	-1,127	0	0	0	0	0	-1,127
0 69	PCS LEGACY ALARM IMPROVEMENT -2015 SC	CW	S3	04	-600	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 70	TRUNK RADIO SYSTEM - HYDRO PARTNERSHIP	CW	S4	03	1,600	0	0	0	0	1,600	0	1,600	0	0	0	0	1,600	0	0	0	0	0	1,600
0 71	TRUNK RADIO SYSTEM- 2015 SC	CW	S3	04	0	0	0	250	750	1,000	530	1,530	0	0	0	0	1,530	0	0	0	0	0	1,530
Sub-total					10,328	8,620	7,174	8,060	7,815	41,997	8,090	50,087	0	0	0	0	50,087	0	0	0	0	0	50,087
<b>WAT906340 METERING &amp; METER READING SYS</b>																							
0 2	AUTOMATED METER READING SYSTEM	CW	S2	04	45,656	44,675	5,000	0	0	95,331	0	95,331	0	0	0	0	95,331	0	0	0	0	0	95,331
0 14	AUTOMATED METER READING SYSTEM - 2015 SC	CW	S3	04	-18,736	-14,308	-2,485	0	0	-35,529	0	-35,529	0	0	0	0	-35,529	0	0	0	0	0	-35,529
Sub-total					26,920	30,367	2,515	0	0	59,802	0	59,802	0	0	0	0	59,802	0	0	0	0	0	59,802
<b>WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</b>																							
0 2	AVENUE RD WM CONSTRUCTION - HI LEVELTO LAWRENCE	CW	S2	03	1,310	2,000	0	0	0	3,310	0	3,310	0	0	1,668	0	1,023	0	0	619	0	0	3,310
0 6	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	CW	S2	03	39	0	0	0	0	39	0	39	0	0	20	0	12	0	0	7	0	0	39
0 25	JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE - 2015 SC	CW	S3	03	0	90	0	0	0	90	0	90	0	0	45	0	28	0	0	17	0	0	90
0 26	JOS-AVENUE RD WM CONS-HI LEVEL-LAWRENCE - 2015 SC	CW	S3	03	-995	-1,000	0	0	0	-1,995	0	-1,995	0	0	-1,005	0	-617	0	0	-373	0	0	-1,995
Sub-total					354	1,090	0	0	0	1,444	0	1,444	0	0	728	0	446	0	0	270	0	0	1,444
<b>WAT906468 HORGAN TRUNK MAIN EXPANSION</b>																							
0 1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	402	850	850	500	10	2,612	10	2,622	0	0	997	0	775	0	0	850	0	0	2,622
0 3	HORGAN TO ELLESMERE - CONSTRUCTION	CW	S2	05	500	6,000	18,000	18,000	17,500	60,000	3,000	63,000	0	0	23,910	0	18,639	0	0	20,451	0	0	63,000
0 41	JOS - HORGAN TO ELLESMERE WM - ENG - 2015 SC	CW	S3	05	498	250	50	100	40	938	40	978	0	0	370	0	290	0	0	318	0	0	978
0 42	JOS - HORGAN TO ELLESMERE WM - CONS - 2015 SC	CW	S3	05	-500	-1,000	12,000	8,000	-15,500	3,000	-3,000	0	0	0	1	0	0	0	0	-1	0	0	0
Sub-total					900	6,100	30,900	26,600	2,050	66,550	50	66,600	0	0	25,278	0	19,704	0	0	21,618	0	0	66,600
<b>WAT906470 ISLAND W.T.P. R&amp;R</b>																							
0 8	CHEMICAL & RESIDUALS MNGT - ENG	CW	S2	02	700	550	250	250	250	2,000	250	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250
0 11	CHEMICAL & RESIDUALS MANAGMENT CONST	CW	S4	02	150	1,850	7,000	7,000	7,000	23,000	2,000	25,000	0	0	1,521	0	23,479	0	0	0	0	0	25,000

**CITY OF TORONTO**

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906470 ISLAND W.T.P. R&amp;R</u>																								
0	27	CHEMICAL & RESIDUALS MANAGMENT ENG - 2015 SC	CW	S3	02	-131	130	235	0	0	234	-190	44	0	0	0	0	44	0	0	0	0	44	
Sub-total						719	2,530	7,485	7,250	7,250	25,234	2,060	27,294	0	0	1,521	0	25,773	0	0	0	0	27,294	
<u>WAT906471 FJ HORGAN W.T.P. R&amp;R</u>																								
0	24	HVAC REHAB & SCRUBBER ENGINEERING	CW	S4	03	84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	84	
Sub-total						84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	84	
<u>WAT906481 DISTRICT WATERMAINS - NEW</u>																								
0	1	DIST W/MAINS NEW	CW	S2	05	350	500	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	850	
0	13	DIST W/MAINS NEW - 2015 SC	CW	S3	05	-248	0	0	0	0	-248	0	-248	0	0	602	0	-850	0	0	0	0	-248	
Sub-total						102	500	0	0	0	602	0	602	0	0	602	0	0	0	0	0	0	0	602
<u>WAT906483 PW ENGINEERING</u>																								
0	2	CAPITAL PRGMG & FACILITY ASSET PLANNING	CW	S2	03	992	0	0	0	0	992	0	992	0	0	0	0	992	0	0	0	0	992	
0	5	WATERMAIN ASSET PLANNING	CW	S2	03	1,409	460	360	160	0	2,389	0	2,389	0	0	597	0	1,792	0	0	0	0	2,389	
0	7	EASEMENT ACQUISITION	CW	S2	04	175	0	0	0	0	175	0	175	0	0	0	0	175	0	0	0	0	175	
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	588	700	1,000	1,000	1,000	4,288	0	4,288	0	0	0	0	4,288	0	0	0	0	4,288	
0	49	CAPITAL PROG & FACILITY ASSET PLANNING - 2015 SC	CW	S3	03	220	1,669	1,800	500	0	4,189	0	4,189	0	0	0	0	4,189	0	0	0	0	4,189	
0	50	WATERMAIN ASSET PLANNING - 2015 SC	CW	S3	03	-493	525	325	-25	0	332	0	332	0	0	83	0	249	0	0	0	0	332	
0	51	EASEMENT ACQUISITION - 2015 SC	CW	S3	04	125	300	0	0	0	425	0	425	0	0	0	0	425	0	0	0	0	425	
0	52	JOS UPDATE PHASE II	CW	S4	05	500	1,000	500	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	2,000	
0	54	WATER LOSS REDUCTION STRATEGY-2015 SC	CW	S3	03	-126	-130	300	0	0	44	0	44	0	0	0	0	44	0	0	0	0	44	
Sub-total						3,390	4,524	4,285	1,635	1,000	14,834	0	14,834	0	0	680	0	14,154	0	0	0	0	14,834	
<u>WAT906749 DOWNTOWN W/M ENHANCEMENT</u>																								
0	1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	378	15	7	0	0	400	0	400	0	0	79	0	16	0	0	305	0	400	
0	4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	13,920	7,000	0	0	0	20,920	0	20,920	0	0	4,165	0	757	0	0	15,998	0	20,920	
0	38	JOS - GERRARD ST WM - CONSTRUCTION -2015 SC	CW	S3	03	-2,736	806	0	0	0	-1,930	0	-1,930	0	0	-384	0	-69	0	0	-1,477	0	-1,930	

**CITY OF TORONTO**

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By													
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAT906749 DOWNTOWN W/M ENHANCEMENT</u>																									
0	39	JOS - GERRARD ST WM - ENGINEERING- 2015 SC	CW	S3	03	370	0	0	0	0	370	0	370	0	0	74	0	13	0	0	283	0	0	370	
Sub-total						11,932	7,821	7	0	0	19,760	0	19,760	0	0	3,934	0	717	0	0	15,109	0	0	19,760	
<u>WAT906752 TRANSMISSION R&amp;R</u>																									
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	250	0	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250	
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	5,088	2,510	264	0	0	7,862	0	7,862	0	0	0	0	7,862	0	0	0	0	0	7,862	
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	600	600	800	700	460	3,160	980	4,140	0	0	0	0	4,140	0	0	0	0	0	4,140	
0	63	TRUNK WATERMAIN REHAB - 2015 SC	CW	S3	03	445	545	0	0	0	990	0	990	0	0	0	0	990	0	0	0	0	0	990	
0	64	CAST IRON TRUNK REPLC - PHASE 2 - 2015 SC	CW	S3	03	4,154	2,539	2,156	113	30	8,992	0	8,992	0	0	0	0	8,992	0	0	0	0	0	8,992	
0	65	CAST IRON TRUNK REPLC - PHASE 3 - ENG - 2015 SC	CW	S3	03	350	700	200	-575	-385	290	-980	-690	0	0	0	0	-690	0	0	0	0	0	-690	
0	67	TRANSF & SW' GEAR REPLACMENT DESIGN -2015 SC	CW	S3	03	165	0	0	0	0	165	0	165	0	0	0	0	165	0	0	0	0	0	165	
Sub-total						11,052	6,894	3,420	238	105	21,709	0	21,709	0	0	0	0	21,709	0	0	0	0	0	21,709	
<u>WAT906900 TRANSMISSION R&amp;R</u>																									
0	1	TRANS FACILITIES REHAB	CW	S2	03	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150	
0	6	ELLESMERE P.S. UPGRADE	CW	S2	05	25	525	0	0	0	550	0	550	0	0	127	0	75	0	0	348	0	0	550	
0	26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	550	0	0	0	0	550	0	550	0	0	0	0	550	0	0	0	0	0	550	
0	27	EGLINTON PS -PUMP REPLC	CW	S2	03	2,250	0	0	0	0	2,250	0	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250	
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	5,250	500	0	0	0	5,750	0	5,750	0	0	0	0	5,750	0	0	0	0	0	5,750	
0	37	TRANS FACILITIES REHAB - 2015 SC	CW	S3	03	90	475	135	25	0	725	0	725	0	0	0	0	725	0	0	0	0	0	725	
0	38	ELLESMERE P.S. UPGRADE - 2015 SC	CW	S3	05	-25	-500	525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	39	SCARBOROUGH PS - PUMP REPLC - 2015 SC	CW	S3	03	-95	120	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25	
0	40	EGLINTON PS - PUMP REPLC - 2015 SC	CW	S3	03	-383	458	0	0	0	75	0	75	0	0	0	0	75	0	0	0	0	0	75	
0	41	ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2015SC	CW	S3	03	1,910	10,043	5,485	353	7	17,798	0	17,798	0	0	0	0	17,798	0	0	0	0	0	17,798	
0	48	ROSEHILL RESERVOIR	CW	S4	03	600	8,000	7,500	500	0	16,600	0	16,600	0	0	0	0	16,600	0	0	0	0	0	16,600	
0	49	DOWNSVIEW PS & CONNECTOR	CW	S4	05	50	150	60	0	0	260	0	260	0	0	0	0	260	0	0	0	0	0	260	

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																			
<u>WAT906900 TRANSMISSION R&amp;R</u>																								
0	50	PARKDALE PS REHABILITATION	CW	S4	03	500	1,500	1,000	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0	51	ROSEHILL PS REHAB	CW	S4	03	50	975	100	0	0	1,125	0	1,125	0	0	0	0	1,125	0	0	0	0	0	1,125
Sub-total						10,922	22,246	14,805	878	7	48,858	0	48,858	0	0	127	0	48,383	0	0	348	0	0	48,858
<u>WAT906902 HARRIS W.T.P. R&amp;R</u>																								
0	2	BUILDING ENVELOPE REHAB	CW	S2	03	23	0	0	0	0	23	0	23	0	0	0	0	23	0	0	0	0	0	23
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	13	FILTER MEDIA REPLACEMENT PH2	CW	S2	03	80	150	0	0	0	230	0	230	0	0	0	0	230	0	0	0	0	0	230
0	21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,676	1,000	250	0	0	2,926	0	2,926	0	0	0	0	2,926	0	0	0	0	0	2,926
0	29	HARRIS FILTERS REHABILITATION	CW	S4	03	100	3,600	775	25	0	4,500	0	4,500	0	0	0	0	4,500	0	0	0	0	0	4,500
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	11,016	4,520	0	0	0	15,536	0	15,536	0	0	0	0	15,536	0	0	0	0	0	15,536
0	74	FILTER MEDIA UPGRADE - 2015 SC	CW	S3	03	-80	-150	0	0	0	-230	0	-230	0	0	0	0	-230	0	0	0	0	0	-230
0	75	HVAC REHAB CONSTRUCTION - 2015 SC	CW	S3	03	-1,396	220	750	580	0	154	0	154	0	0	0	0	154	0	0	0	0	0	154
0	76	HARRIS DISINFECTION MODIFICATIONS - 2015 SC	CW	S3	04	0	250	1,500	3,500	3,500	8,750	0	8,750	0	0	532	0	8,218	0	0	0	0	0	8,750
0	77	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2015 SC	CW	S3	03	-5,541	6,089	8,110	2,103	7	10,768	0	10,768	0	0	0	0	10,768	0	0	0	0	0	10,768
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S4	03	200	950	50	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S4	04	100	320	200	0	0	620	0	620	0	0	0	0	620	0	0	0	0	0	620
0	82	PD2 OPTIMIZATION	CW	S4	03	500	90	0	0	0	590	0	590	0	0	0	0	590	0	0	0	0	0	590
0	83	FACILITY & PROCESS UPGRADES-2015 SC	CW	S3	03	-50	500	500	0	0	950	0	950	0	0	0	0	950	0	0	0	0	0	950
0	86	BUILDING ENVELOPE REHAB- 2015 SC	CW	S3	03	-10	13	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
0	87	LIQUID CHEMICAL SYSTEM RELOCATION- 2015 SC	CW	S3	04	8	20	0	0	0	28	0	28	0	0	0	0	28	0	0	0	0	0	28
0	88	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	61	0	0	0	0	61	0	61	0	0	0	0	61	0	0	0	0	0	61
Sub-total						7,187	17,572	12,135	6,208	3,507	46,609	0	46,609	0	0	532	0	46,077	0	0	0	0	0	46,609
<u>WAT906903 FJ HORGAN W.T.P. R&amp;R</u>																								
0	5	FACILITY & PROCESS UPGRADES	CW	S2	03	1,579	350	0	0	0	1,929	0	1,929	0	0	0	0	1,929	0	0	0	0	0	1,929

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<b>WAT906903 FJ HORGAN W.T.P. R&amp;R</b>																						
0 8	RAW WATER PUMP UPGRADES	CW	S2	03	540	0	0	0	0	540	0	540	0	0	0	0	540	0	0	0	0	540
0 15	REPLACEMENT OF MCCS	CW	S2	03	1,570	3,350	1,600	200	0	6,720	0	6,720	0	0	0	0	6,720	0	0	0	0	6,720
0 16	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	CW	S2	03	550	2,500	1,950	0	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	5,000
0 32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING IMPRO	CW	S4	04	150	700	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	850
0 34	TREATED WATER PUMP UPGRADES	CW	S4	04	500	1,850	550	0	0	2,900	0	2,900	0	0	0	0	2,900	0	0	0	0	2,900
0 35	FACILITY & PROCESS UPGRADES-2015 SC	CW	S3	03	-906	810	300	0	0	204	0	204	0	0	0	0	204	0	0	0	0	204
0 36	REPLACEMENT OF MCCS-2015 SC	CW	S3	03	-1,120	-1,060	633	900	320	-327	149	-178	0	0	0	0	-178	0	0	0	0	-178
0 37	RAW WATER PUMP UGRADES-2015 SC	CW	S3	03	49	0	0	0	0	49	0	49	0	0	0	0	49	0	0	0	0	49
0 38	OFFSHORE CHLORINATION RELOCATION-2015 SC	CW	S3	03	-500	-2,000	550	1,950	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 39	ACCESS ROAD REPAVING	CW	S4	03	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	1,000
Sub-total					3,412	6,500	5,583	3,050	320	18,865	149	19,014	0	0	0	0	19,014	0	0	0	0	19,014
<b>WAT906906 TRUNK WATERMAIN EXPANSION</b>																						
0 25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	1,000	550	400	0	0	1,950	0	1,950	0	0	934	0	573	0	0	443	0	1,950
0 65	JOS - WM Scar PS to St Clair&Midland ENG - 2015 SC	CW	S3	05	-600	50	300	400	50	200	50	250	0	0	120	0	74	0	0	56	0	250
Sub-total					400	600	700	400	50	2,150	50	2,200	0	0	1,054	0	647	0	0	499	0	2,200
<b>WAT906914 SWITCH GEAR TRANSFORMER</b>																						
0 13	INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	CW	S2	03	6,825	6,235	0	0	0	13,060	0	13,060	0	0	0	0	13,060	0	0	0	0	13,060
0 27	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3) - 2015 SC	CW	S3	03	-1,825	-835	3,703	0	0	1,043	0	1,043	0	0	0	0	1,043	0	0	0	0	1,043
Sub-total					5,000	5,400	3,703	0	0	14,103	0	14,103	0	0	0	0	14,103	0	0	0	0	14,103
<b>WAT906918 WATER SUSTAINABILITY PROGRAM</b>																						
0 1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	2,600	4,350	4,000	0	0	10,950	0	10,950	0	0	665	0	10,285	0	0	0	0	10,950
0 9	WATER SUSTAINABILITY STANDBY POWER ELLESMERE-SC	CW	S3	04	-1,380	8,957	3,205	20	2	10,804	0	10,804	0	0	657	0	10,147	0	0	0	0	10,804
0 12	STANDBY POWER - ROSEHILL	CW	S4	04	150	4,850	4,800	0	0	9,800	0	9,800	0	0	0	0	9,800	0	0	0	0	9,800
Sub-total					1,370	18,157	12,005	20	2	31,554	0	31,554	0	0	1,322	0	30,232	0	0	0	0	31,554
<b>WAT906919 RL CLARK W.T.P. R&amp;R</b>																						

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**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906919 RL CLARK W.T.P. R&amp;R</u>																							
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	170	0	0	0	0	170	0	170	0	0	0	0	170	0	0	0	0	0	170
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,419	665	584	25	25	2,718	0	2,718	0	0	167	0	2,551	0	0	0	0	0	2,718
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	14,893	12,900	12,000	10,000	0	49,793	0	49,793	0	0	3,029	0	46,764	0	0	0	0	0	49,793
0 44	EVALUATION & COMMUNICATION SYSTEMS	CW	S2	03	1,314	117	20	7	0	1,458	0	1,458	0	0	0	0	1,458	0	0	0	0	0	1,458
0 53	FACILITY & PROCESS UPGRADES - 2015 SC	CW	S3	03	10	215	150	0	0	375	0	375	0	0	0	0	375	0	0	0	0	0	375
0 54	PROCESS EQUIPMENT UPGRADE ENGINEERING - 2015 SC	CW	S3	03	-744	610	453	1,200	0	1,519	0	1,519	0	0	91	0	1,428	0	0	0	0	0	1,519
0 55	PROCESS EQUIPMENT UPGRADE CONSTRUCTION - 2015 SC	CW	S3	03	-4,893	-5,100	9,000	2,215	0	1,222	0	1,222	0	0	74	0	1,148	0	0	0	0	0	1,222
0 56	EVACUATION AND COMMUNICATION SYSTEMS - 2015 SC	CW	S3	03	225	483	5	-2	0	711	0	711	0	0	0	0	711	0	0	0	0	0	711
0 57	ELECTRICAL AND HVAC UPGRADES CONSTRUCTION	CW	S4	03	250	0	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250
Sub-total					12,644	9,890	22,212	13,445	25	58,216	0	58,216	0	0	3,361	0	54,855	0	0	0	0	0	58,216
<u>WAT906930 DIST W/M REPLACEMENT</u>																							
0 15	W/M REPLACEMENT - STAND ALONE	CW	S2	03	3,208	0	0	0	0	3,208	0	3,208	0	0	0	0	3,208	0	0	0	0	0	3,208
0 29	DIST W/M REPLACEMENT - 2012	CW	S2	03	3,125	0	0	0	0	3,125	0	3,125	0	0	0	0	3,125	0	0	0	0	0	3,125
0 39	DIST W/M REPLACEMENT 2013	CW	S2	03	4,450	0	0	0	0	4,450	0	4,450	0	0	0	0	4,450	0	0	0	0	0	4,450
0 51	DIST W/M REPLACEMENT - 2014	CW	S2	03	18,469	1,200	0	0	0	19,669	0	19,669	0	0	0	0	19,669	0	0	0	0	0	19,669
0 52	WATERMAIN UPGRADES - 2014	CW	S2	05	5,490	1,000	0	0	0	6,490	0	6,490	0	0	0	0	6,490	0	0	0	0	0	6,490
0 55	WATERMAIN REPLACEMENT - METROLINX	CW	S2	03	625	600	1,000	875	0	3,100	0	3,100	0	0	0	0	3,100	0	0	0	0	0	3,100
0 57	2010 WM REPLC - 2015 SC	CW	S3	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6
0 58	WM REPLC - STANDALONE - 2015 SC	CW	S3	03	-1,691	1,177	0	0	0	-514	0	-514	0	0	0	0	-514	0	0	0	0	0	-514
0 59	2013 WM REPLC - UPGRADES	CW	S2	05	14	0	0	0	0	14	0	14	0	0	4	0	10	0	0	0	0	0	14
0 60	DIST W/M REPLACEMENT - 2014 - 2015 SC	CW	S3	03	-4,999	5,564	0	0	0	565	0	565	0	0	0	0	565	0	0	0	0	0	565
0 61	WATERMAIN UPGRADES - 2014 - 2015 SC	CW	S3	05	-404	1,087	0	0	0	683	0	683	0	0	0	0	683	0	0	0	0	0	683
0 62	WATERMAIN REPLACEMENT - METROLINX - 2015 SC	CW	S3	03	-575	-550	0	125	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 63	DIST W/M REPLACEMENT - 2015	CW	S4	03	33,994	20,841	11,424	0	0	66,259	0	66,259	0	0	10,303	0	55,956	0	0	0	0	0	66,259

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<u>WAT906930 DIST W/M REPLACEMENT</u>																							
0 64	WATERMAIN UPGRADES - 2015	CW	S4	04	6,609	3,292	1,204	0	0	11,105	0	11,105	0	0	3,455	0	7,650	0	0	0	0	0	11,105
0 65	DIST W/M REPLC - 2012-2015 SC	CW	S3	03	-1,575	0	0	0	0	-1,575	0	-1,575	0	0	0	0	-1,575	0	0	0	0	0	-1,575
0 66	2013 WM REPLC - SOGR-2015 SC	CW	S3	03	-4,423	500	0	0	0	-3,923	0	-3,923	0	0	0	0	-3,923	0	0	0	0	0	-3,923
Sub-total					62,323	34,711	13,628	1,000	1,000	112,662	0	112,662	0	0	13,762	0	98,900	0	0	0	0	0	112,662
<u>WAT906932 DIST W/M REHABILITATION</u>																							
0 4	Hydrant & Valve Repair	CW	S2	03	1,197	1,000	1,000	0	0	3,197	0	3,197	0	0	0	0	3,197	0	0	0	0	0	3,197
0 6	WATERMAIN STRUCTURAL LINING	CW	S2	03	24,173	35,000	30,500	0	0	89,673	0	89,673	0	0	0	0	89,673	0	0	0	0	0	89,673
0 7	CATHODIC PROTECTION	CW	S2	03	4,200	3,500	3,500	0	0	11,200	0	11,200	0	0	0	0	11,200	0	0	0	0	0	11,200
0 30	CUT REPAIRS	CW	S2	03	4,371	0	0	0	0	4,371	0	4,371	0	0	0	0	4,371	0	0	0	0	0	4,371
0 42	CUT-REPAIR - 2015 SC	CW	S3	03	-1,606	2,765	0	0	0	1,159	0	1,159	0	0	0	0	1,159	0	0	0	0	0	1,159
0 43	CATHODIC PROTECTION - 2015 SC	CW	S3	03	-103	892	950	450	0	2,189	0	2,189	0	0	0	0	2,189	0	0	0	0	0	2,189
0 44	HYDRANT & VALVE REPAIR-2015 SC	CW	S3	03	553	0	0	0	0	553	0	553	0	0	0	0	553	0	0	0	0	0	553
0 45	WATERMAIN STRUCTURAL LINING-2015 SC	CW	S3	03	18,003	19,415	31,158	20,717	5,400	94,693	0	94,693	0	0	0	0	94,693	0	0	0	0	0	94,693
Sub-total					50,788	62,572	67,108	21,167	5,400	207,035	0	207,035	0	0	0	0	207,035	0	0	0	0	0	207,035
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																							
0 12	ALL DISTRICT WSR - LEAD REPLACEMENT	CW	S2	02	7,174	9,250	9,250	0	0	25,674	0	25,674	0	0	0	0	25,674	0	0	0	0	0	25,674
0 19	2010 WSR	CW	S4	02	219	0	0	0	0	219	0	219	0	0	0	0	219	0	0	0	0	0	219
0 32	WSR CUT REPAIRS	CW	S2	03	2,186	0	0	0	0	2,186	0	2,186	0	0	0	0	2,186	0	0	0	0	0	2,186
0 39	2012 WATER SERVICE REPLACEMENT	CW	S2	02	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50
0 41	2013 WATER SERVICE REPLACEMENT -SOGR	CW	S2	02	2,631	0	0	0	0	2,631	0	2,631	0	0	0	0	2,631	0	0	0	0	0	2,631
0 52	2014 WATER SERVICE REPLACEMENT -SOGR	CW	S2	02	4,711	0	0	0	0	4,711	0	4,711	0	0	0	0	4,711	0	0	0	0	0	4,711
0 58	WSR CUT REPAIR - 2015 SC	CW	S3	03	-86	2,100	0	0	0	2,014	0	2,014	0	0	0	0	2,014	0	0	0	0	0	2,014
0 59	2015 WATER SERVICE REPLACEMENT -SOGR	CW	S4	03	4,500	9,000	4,500	0	0	18,000	0	18,000	0	0	0	0	18,000	0	0	0	0	0	18,000
0 60	WATER SERVICE REPAIR - LEAD PROGRAM-2015 SC	CW	S3	02	5,004	0	0	0	0	5,004	0	5,004	0	0	0	0	5,004	0	0	0	0	0	5,004



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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																							
0 61	2012 WATER SERVICE REPLC - SOGR-2015 SC	CW	S3	02	-50	0	0	0	0	-50	0	-50	0	0	0	0	-50	0	0	0	0	0	-50
0 62	2013 WSR-2015 SC	CW	S3	02	-2,550	1,253	0	0	0	-1,297	0	-1,297	0	0	0	0	-1,297	0	0	0	0	0	-1,297
0 63	2014 WATER SERVICE REPLACEMENT - SOGR-2015 SC	CW	S3	02	-926	3,566	0	0	0	2,640	0	2,640	0	0	0	0	2,640	0	0	0	0	0	2,640
0 64	WSR - STANDALONE- 2015 SC	CW	S3	02	71	0	0	0	0	71	0	71	0	0	0	0	71	0	0	0	0	0	71
Sub-total					22,934	25,169	13,750	0	0	61,853	0	61,853	0	0	0	0	61,853	0	0	0	0	0	61,853
<u>WAT906935 NEW SERVICE CONNECTIONS</u>																							
0 2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	3,500	0	0	0	0	3,500	0	3,500	0	0	0	0	3,500	0	0	0	0	0	3,500
0 7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	14,000	0	0	0	0	14,000	0	14,000	0	0	0	0	14,000	0	0	0	0	0	14,000
0 18	NEW SERVICE CONNECTIONS - SITE SERVICING - 2015 SC	CW	S3	05	8,002	22,100	13,500	2,500	0	46,102	0	46,102	0	0	0	0	46,102	0	0	0	0	0	46,102
0 19	NEW SERVICE CONNECTIONS - CUT REPAIRS - 2015 SC	CW	S3	05	580	4,080	0	0	0	4,660	0	4,660	0	0	0	0	4,660	0	0	0	0	0	4,660
Sub-total					26,082	26,180	13,500	2,500	0	68,262	0	68,262	0	0	0	0	68,262	0	0	0	0	0	68,262
<u>WAT906951 ENGINEERING</u>																							
0 2	CONSULTING FEES	CW	S2	03	2,975	4,687	5,912	5,445	4,160	23,179	5,016	28,195	0	0	0	0	28,195	0	0	0	0	0	28,195
0 45	ECS SALARIES	CW	S3	03	12,199	0	0	0	0	12,199	0	12,199	0	0	0	0	12,199	0	0	0	0	0	12,199
0 51	ROAD RESTORATION - 2015 SC	CW	S3	03	5,962	5,830	0	0	0	11,792	0	11,792	0	0	0	0	11,792	0	0	0	0	0	11,792
0 52	CONSULTING FEES - 2015 SC	CW	S3	03	6,570	6,702	997	-2,447	-2,909	8,913	-1,949	6,964	0	0	0	0	6,964	0	0	0	0	0	6,964
0 53	LEGAL SERVICES SALARIES - 2015 SC	CW	S3	03	197	0	0	0	0	197	0	197	0	0	0	0	197	0	0	0	0	0	197
0 56	PPFA SALARIES	CW	S4	03	2,292	0	0	0	0	2,292	0	2,292	0	0	0	0	2,292	0	0	0	0	0	2,292
Sub-total					30,195	17,219	6,909	2,998	1,251	58,572	3,067	61,639	0	0	0	0	61,639	0	0	0	0	0	61,639
<u>WAT906977 ISLAND W.T.P. R&amp;R</u>																							
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	1,278	226	0	0	0	1,504	0	1,504	0	0	0	0	1,504	0	0	0	0	0	1,504
0 12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	1,840	1,100	0	0	0	2,940	0	2,940	0	0	0	0	2,940	0	0	0	0	0	2,940
0 25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	559	0	0	0	0	559	0	559	0	0	34	0	525	0	0	0	0	0	559
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S4	03	655	2,120	380	10	0	3,165	0	3,165	0	0	0	0	3,165	0	0	0	0	0	3,165
0 33	ISLAND SEAWALL REHABILITATION	CW	S2	03	109	0	0	0	0	109	0	109	0	0	0	0	109	0	0	0	0	0	109

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Water Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906977 ISLAND W.T.P. R&amp;R</u>																							
0 44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2	04	260	350	0	0	0	610	0	610	0	0	0	0	610	0	0	0	0	610	
0 50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S2	03	955	1,285	0	0	0	2,240	0	2,240	0	0	0	0	2,240	0	0	0	0	2,240	
0 51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION	CW	S2	03	500	0	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	500	
0 62	FACILITY & PROCESS UPGRADES - 2015 SC	CW	S3	03	-150	531	375	0	0	756	0	756	0	0	0	0	756	0	0	0	0	756	
0 63	ISLAND FILTER AIR SCOUR SYSTEM - 2015 SC	CW	S3	04	-400	0	0	0	0	-400	0	-400	0	0	-24	0	-376	0	0	0	0	-400	
0 64	FACILITY UPGRADE - FORMER MARINE YARD - 2015 SC	CW	S3	03	-640	337	0	0	0	-303	0	-303	0	0	0	0	-303	0	0	0	0	-303	
0 65	ISLAND ENWAVE/RETROFIT PROJECT - 2015 SC	CW	S3	04	-210	-323	0	0	0	-533	0	-533	0	0	0	0	-533	0	0	0	0	-533	
0 67	AMMONIA AND FLOURIDE SYSTEM UPGRADES - 2015 SC	CW	S3	03	-705	-405	1,320	40	0	250	0	250	0	0	0	0	250	0	0	0	0	250	
0 68	CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION - 2015 SC	CW	S3	03	-400	365	0	0	0	-35	0	-35	0	0	0	0	-35	0	0	0	0	-35	
0 69	Generators' DR3 Program	CW	S4	04	75	750	425	0	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	1,250	
0 70	PLANTWIDE HVAC UPGRADES	CW	S4	04	15	90	490	45	0	640	0	640	0	0	0	0	640	0	0	0	0	640	
0 71	ISLAND SEAWALL REHAB- 2015 SC	CW	S3	03	14	0	0	0	0	14	0	14	0	0	0	0	14	0	0	0	0	14	
Sub-total					3,755	6,426	2,990	95	0	13,266	0	13,266	0	0	10	0	13,256	0	0	0	0	13,266	
<u>WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN</u>																							
0 1	LAWRENCE ALLAN REVITALIZATION PLAN-INFRASTRUCURE	CW	S2	05	3,740	3,354	12,641	2,127	3,531	25,393	0	25,393	0	0	4,940	0	20,453	0	0	0	0	25,393	
0 2	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL SEWER	CW	S2	05	2,864	0	5,437	0	0	8,301	0	8,301	0	0	8,301	0	0	0	0	0	0	8,301	
0 5	LAWRENCE ALLAN REVITALIZATION PLAN-INTER - 2015 SC	CW	S3	05	-72	0	0	0	0	-72	0	-72	0	0	20,381	0	-20,453	0	0	0	0	-72	
0 6	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL-2015SC	CW	S3	05	-61	0	0	0	0	-61	0	-61	0	0	-61	0	0	0	0	0	0	-61	
Sub-total					6,471	3,354	18,078	2,127	3,531	33,561	0	33,561	0	0	33,561	0	0	0	0	0	0	0	33,561
<u>WAT907558 REGENT PARK CAPITAL CONTRIBUTION</u>																							
0 1	REGENT PARK CAPITAL CONTRIBUTION	28	S2	05	907	330	132	745	287	2,401	859	3,260	0	0	0	0	3,260	0	0	0	0	3,260	
0 9	REGENT PARK CAPITAL CONTRIBUTION - 2015 SC	CW	S3	05	308	1,473	343	345	345	2,814	-737	2,077	0	0	0	0	2,077	0	0	0	0	2,077	
Sub-total					1,215	1,803	475	1,090	632	5,215	122	5,337	0	0	0	0	5,337	0	0	0	0	5,337	
<u>WAT907946 BUSINESS IT PROJECTS</u>																							
0 1	BUSINESS INTELLIGENCE INITIATIVES	CW	S2	04	280	0	0	0	0	280	0	280	0	0	0	0	280	0	0	0	0	280	

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

<b>Water Program</b>						<b>Current and Future Year Cash Flow Commitments</b>							<b>Current and Future Year Cash Flow Commitments Financed By</b>											
Sub-Project No.	Project Name	Ward	Stat.	Cat.		2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT907946 BUSINESS IT PROJECTS</u>																								
0 2	BACKFLOW INSPECTION PORTAL	CW	S2	04		0	200	200	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0 7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04		1,968	1,225	975	975	0	5,143	0	5,143	0	0	0	0	5,143	0	0	0	0	0	5,143
0 10	ENTERPRISE WORK MANAGEMENT SYSTEM PROJ - 2015 SC	CW	S3	04		-1,144	494	446	297	1,373	1,466	500	1,966	0	0	0	0	1,966	0	0	0	0	0	1,966
0 11	BUSINESS INTELLIGENCE INITIATIVES-2015 SC	CW	S3	04		-221	0	0	0	0	-221	0	-221	0	0	0	0	-221	0	0	0	0	0	-221
0 12	EDOCS- 2015 SC	CW	S3	04		150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
Sub-total						1,033	2,069	1,621	1,272	1,373	7,368	500	7,868	0	0	0	0	7,868	0	0	0	0	0	7,868
<u>WAT908087 TRUNK WATERMAIN</u>																								
0 1	TRANSMISSION SYSTEM AUTOMATION	CW	S4	04		250	1,750	1,750	10	0	3,760	0	3,760	0	0	0	0	3,760	0	0	0	0	0	3,760
0 6	3RD PARTY RELOCATIONS (METROLINX)	CW	S4	04		500	500	500	250	250	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
Sub-total						750	2,250	2,250	260	250	5,760	0	5,760	0	0	0	0	5,760	0	0	0	0	0	5,760
<b>Total Program Expenditure</b>						<b>318,558</b>	<b>338,592</b>	<b>267,878</b>	<b>100,353</b>	<b>35,568</b>	<b>1,060,949</b>	<b>14,088</b>	<b>1,075,037</b>	<b>0</b>	<b>0</b>	<b>91,001</b>	<b>0</b>	<b>945,574</b>	<b>0</b>	<b>0</b>	<b>38,462</b>	<b>0</b>	<b>0</b>	<b>1,075,037</b>

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Water Program						Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																			
Financed By:																								
		Development Charges				19,761	16,795	35,400	13,906	4,974	90,836	165	91,001	0	0	91,001	0	0	0	0	0	0	91,001	
		Reserve Funds (Ind."XR" Ref.)				288,850	313,237	221,952	77,721	29,918	931,678	13,896	945,574	0	0	945,574	0	0	0	0	0	0	945,574	
		Other2 (External)				9,947	8,560	10,526	8,726	676	38,435	27	38,462	0	0	0	0	0	38,462	0	0	0	38,462	
<b>Total Program Financing</b>						<b>318,558</b>	<b>338,592</b>	<b>267,878</b>	<b>100,353</b>	<b>35,568</b>	<b>1,060,949</b>	<b>14,088</b>	<b>1,075,037</b>	<b>0</b>	<b>0</b>	<b>91,001</b>	<b>0</b>	<b>945,574</b>	<b>0</b>	<b>0</b>	<b>38,462</b>	<b>0</b>	<b>0</b>	<b>1,075,037</b>

Status Code	Description
S2	S2 Prior Year (With 2015 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2015 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

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

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments

Wastewater Program

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS000007 ASHBRIDGES BAY WWTP REHAB</u>																								
0	17	STANDBY POWER GENERATION	CW	S2	04	4,073	5	15	0	0	4,093	0	4,093	0	0	329	0	3,764	0	0	0	0	0	4,093
0	19	FERROUS UPGRADES	CW	S2	03	475	6,072	6,700	3,185	255	16,687	0	16,687	0	0	1,350	0	15,337	0	0	0	0	0	16,687
0	30	ELECTRICAL REHAB	CW	S2	01	6,611	6,025	2,105	421	0	15,162	0	15,162	0	0	0	0	15,162	0	0	0	0	0	15,162
0	41	POLYMER UPGRADE	CW	S2	03	825	800	9,900	12,200	9,580	33,305	2,800	36,105	0	0	0	0	36,105	0	0	0	0	0	36,105
0	46	Rehab of Grounds and Buildings	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	0	25	0	0	0	0	0	25
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	2,791	2,084	988	885	250	6,998	49	7,047	0	0	568	0	6,479	0	0	0	0	0	7,047
0	49	PROCESS UPGRADES AND ODOUR CONTROL ENGINEERING	CW	S2	04	1,000	410	34	0	0	1,444	0	1,444	0	0	116	0	1,328	0	0	0	0	0	1,444
0	189	PROCESS AND EQUIPMENT	CW	S2	03	3,191	3,610	4,004	4	0	10,809	0	10,809	0	0	0	0	10,809	0	0	0	0	0	10,809
0	190	FACILITY AND GROUNDS	CW	S2	03	2,013	2,002	0	0	0	4,015	0	4,015	0	0	0	0	4,015	0	0	0	0	0	4,015
0	215	DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	CW	S2	03	3,800	3,600	3,100	0	0	10,500	0	10,500	0	0	0	0	10,500	0	0	0	0	0	10,500
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	700	0	0	0	0	700	0	700	0	0	0	0	700	0	0	0	0	0	700
0	218	FERROUS UPGRADES - 2015 SC	CW	S3	03	-225	-1,572	200	2,153	195	751	0	751	0	0	60	0	691	0	0	0	0	0	751
0	219	PROCESS AND EQUIPMENT - 2015 SC	CW	S3	03	-596	1,023	-2,004	-4	0	-1,581	0	-1,581	0	0	0	0	-1,581	0	0	0	0	0	-1,581
0	220	GROUND AND FACILITIES - 2015 SC	CW	S3	03	869	-1,455	0	0	0	-586	0	-586	0	0	0	0	-586	0	0	0	0	0	-586
0	221	POLYMER UPGRADE - 2015 SC	CW	S3	03	-325	-100	-5,900	800	3,420	-2,105	5,876	3,771	0	0	0	0	3,771	0	0	0	0	0	3,771
0	222	DIGESTERS CLEANING REHAB -TANKS 14&16&13 - 2015 SC	CW	S3	03	-2,075	125	75	2,139	94	358	0	358	0	0	0	0	358	0	0	0	0	0	358
0	224	BRIDGE UPGRADES	CW	S4	03	200	1,100	2,500	2,600	100	6,500	0	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500
0	226	ABTP - ENVIRONMENTAL ASSESSMENT	CW	S4	05	150	250	600	250	0	1,250	0	1,250	0	0	0	0	1,250	0	0	0	0	0	1,250
0	227	AIR HEADER REHAB	CW	S4	03	100	700	1,200	0	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0	228	BLOWER BUILDING MAINTENANCE SHOP	CW	S4	04	100	100	300	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0	229	D BUILDING PHASE 2	CW	S4	03	150	700	3,600	1,200	50	5,700	0	5,700	0	0	0	0	5,700	0	0	0	0	0	5,700
0	231	HOT WATER LOOP MODIFICATIONS	CW	S4	03	100	500	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600
0	232	STANDBY POWER GENERATION-2015 SC	CW	S3	04	-2,757	400	-13	0	0	-2,370	0	-2,370	0	0	-190	0	-2,180	0	0	0	0	0	-2,370
0	233	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2015 SC	CW	S3	03	-831	-99	-148	881	0	-197	0	-197	0	0	-16	0	-181	0	0	0	0	0	-197

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable	Total Financing
<b>WAS000007 ASHBRIDGES BAY WWTP REHAB</b>																						
0 234	ELECTRICAL REHAB - ECAP-2015 SC	CW	S3	01	-738	793	-501	-407	0	-853	0	-853	0	0	0	0	-853	0	0	0	0	-853
0 235	MOBILE GENERATORS-2015 SC	CW	S3	04	29	0	0	0	0	29	0	29	0	0	0	0	29	0	0	0	0	29
0 236	REHAB OF GROUNDS & BUILDINGS-2015 SC	CW	S3	03	-25	0	0	0	0	-25	0	-25	0	0	0	0	-25	0	0	0	0	-25
0 237	PROCESS UPGRADES & ODOUR CONTROL ENG-2015 SC	CW	S3	04	280	145	276	0	0	701	0	701	0	0	57	0	644	0	0	0	0	701
0 238	SECURITY UPGRADES	CW	S4	04	200	1,200	1,550	0	0	2,950	0	2,950	0	0	0	0	2,950	0	0	0	0	2,950
0 240	OPERATIONS CENTRE -ENGINEERING - 2015 SC	CW	S3	03	-300	0	0	0	0	-300	0	-300	0	0	0	0	-300	0	0	0	0	-300
Sub-total					19,810	28,418	28,581	26,307	13,944	117,060	8,725	125,785	0	0	2,274	0	123,511	0	0	0	0	125,785
<b>WAS000115 HUMBER T.P.</b>																						
0 9	CO-GENERATION	CW	S4	04	200	200	109	0	0	509	0	509	0	0	0	0	509	0	0	0	0	509
Sub-total					200	200	109	0	0	509	0	509	0	0	0	0	509	0	0	0	0	509
<b>WAS000259 TRUNK SEWER SYSTEM</b>																						
0 15	TRUNK SEWWER REHAB-2012	CW	S2	03	6,078	6,884	1,611	381	38	14,992	11	15,003	0	0	0	0	15,003	0	0	0	0	15,003
0 23	TRUNK SEWER REHABILITATION	CW	S2	03	170	0	0	0	0	170	0	170	0	0	0	0	170	0	0	0	0	170
0 27	TRUNK SEWER REHABILITATION - 2014	CW	S2	03	12,965	18,225	3,543	7	0	34,740	0	34,740	0	0	0	0	34,740	0	0	0	0	34,740
0 34	KEELE TRUNK SEWER DESIGN & CONSTRUCTION	CW	S2	05	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	1,000
0 38	TRUNK SEWER REHABILITATION - 2012 - 2015 SC	CW	S3	03	7,751	-603	311	10	51	7,520	0	7,520	0	0	0	0	7,520	0	0	0	0	7,520
0 39	TRUNK SEWER REHABILITATION - 2014 - 2015 SC	CW	S3	03	-35	-1,025	2,382	1,386	7	2,715	0	2,715	0	0	0	0	2,715	0	0	0	0	2,715
0 40	KEELE TRUNK SEWER DESIGN & CONSTRUCTION - 2015 SC	CW	S3	05	-500	600	300	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400
0 41	TRUNK SEWER REHABILITATION-2015 SC	CW	S3	03	-147	15	0	0	0	-132	0	-132	0	0	0	0	-132	0	0	0	0	-132
Sub-total					27,282	24,096	8,147	1,784	96	61,405	11	61,416	0	0	0	0	61,416	0	0	0	0	61,416
<b>WAS000442 BASEMENT FLOODING RELIEF</b>																						
1 1	BASEMENT FLOODING RELIEF - BACKFLOW GRANTS	CW	S2	04	0	5,500	5,500	5,500	5,500	22,000	22,000	44,000	0	0	0	0	44,000	0	0	0	0	44,000
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	4,503	1,485	0	0	0	5,988	0	5,988	0	0	0	0	5,988	0	0	0	0	5,988
0 9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	10,000	32,000	37,000	40,500	30,000	149,500	0	149,500	0	0	0	0	149,500	0	0	0	0	149,500
0 12	ROAD RESTORATION FOR BSMT FLDG	CW	S2	04	772	0	0	0	0	772	0	772	0	0	0	0	772	0	0	0	0	772

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments

Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Total Financing
<u>WAS000442 BASEMENT FLOODING RELIEF</u>																						
0 14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	1,888	1,900	0	0	0	3,788	0	3,788	0	0	0	0	3,788	0	0	0	0	3,788
0 18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	5,900	5,500	5,500	25	0	16,925	0	16,925	0	0	0	0	16,925	0	0	0	0	16,925
0 19	BASEMENT FLOODING RELIEF - GROUP 2	CW	S2	04	41,222	39,832	49,299	1,500	0	131,853	0	131,853	0	0	0	0	131,853	0	0	0	0	131,853
0 20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S2	04	3,000	4,000	5,000	5,000	4,000	21,000	4,000	25,000	0	0	0	0	25,000	0	0	0	0	25,000
0 29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	9,710	11,675	75	0	0	21,460	0	21,460	0	0	0	0	21,460	0	0	0	0	21,460
0 68	BSMT FLOODING PROTECTION SUBSIDY PROG - 2015 SC	CW	S3	04	5,500	0	0	-5,500	-5,500	-5,500	-22,000	-27,500	0	0	0	0	-27,500	0	0	0	0	-27,500
0 69	BASEMENT FLOODING STUDIES & EAS - 2015 SC	CW	S3	04	-2,757	538	280	100	100	-1,739	0	-1,739	0	0	0	0	-1,739	0	0	0	0	-1,739
0 70	BASEMENT FLOODING RELIEF - GROUP 1 - 2015 SC	CW	S3	04	2,881	-1,408	0	0	0	1,473	0	1,473	0	0	0	0	1,473	0	0	0	0	1,473
0 71	ROAD RESTORATION FOR BSMT FLDG PRJS - 2015 SC	CW	S3	04	408	800	0	0	0	1,208	0	1,208	0	0	0	0	1,208	0	0	0	0	1,208
0 72	BASEMENT FLOODING RELIEF-TUNNEL PROJ - 2015 SC	CW	S3	04	-9,485	-17,000	-7,000	-10,500	5,000	-38,985	40,000	1,015	0	0	0	0	1,015	0	0	0	0	1,015
0 73	BASEMENT FLOODING RELIEF - GROUP 2 - 2015 SC	CW	S3	04	-11,832	-10,330	17,099	43,569	2,000	40,506	0	40,506	0	0	0	0	40,506	0	0	0	0	40,506
0 77	BASEMENT FLOODING DESIGN - GROUP 4	CW	S4	04	1,170	4,030	6,030	10,000	13,270	34,500	75,860	110,360	0	0	0	0	110,360	0	0	0	0	110,360
0 78	BASEMENT FLOODING DESIGN - GROUP 1-2015 SC	CW	S3	04	-363	-1,375	1,397	129	0	-212	0	-212	0	0	0	0	-212	0	0	0	0	-212
0 79	BASEMENT FLOODING DESIGN - GROUP 2-2015 SC	CW	S3	04	-1,350	-1,575	799	975	334	-817	21	-796	0	0	0	0	-796	0	0	0	0	-796
0 80	BASEMENT FLOODING DESIGN - GROUP 3-2015 SC	CW	S3	04	-752	-1,239	-2,885	-4,322	-721	-9,919	-4,000	-13,919	0	0	0	0	-13,919	0	0	0	0	-13,919
0 81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	3,500	3,500	4,950	0	0	11,950	0	11,950	0	0	0	0	11,950	0	0	0	0	11,950
0 82	BASEMENT FLOODING STUDIES & EAS-CW IMP-2015 SC	CW	S3	04	-950	3,500	4,550	5,000	0	12,100	0	12,100	0	0	0	0	12,100	0	0	0	0	12,100
Sub-total					62,965	81,333	127,594	91,976	53,983	417,851	115,881	533,732	0	0	0	0	533,732	0	0	0	0	533,732
<u>WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &amp;</u>																						
0 3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	4,262	4,000	3,000	0	0	11,262	0	11,262	0	0	0	0	11,262	0	0	0	0	11,262
0 7	HCTP Bldg Rehab and Impro - 2015 SC	CW	S3	03	-3,262	-500	1,000	4,000	2,800	4,038	0	4,038	0	0	0	0	4,038	0	0	0	0	4,038
Sub-total					1,000	3,500	4,000	4,000	2,800	15,300	0	15,300	0	0	0	0	15,300	0	0	0	0	15,300
<u>WAS906322 W&amp;WW LABORATORIES</u>																						
0 9	LAB EQUIPMENT	CW	S2	03	186	0	0	0	0	186	0	186	0	0	0	0	186	0	0	0	0	186

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Project No. Project Name Priority/SubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By													
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
<b>WAS906322 W&amp;WW LABORATORIES</b>																										
0	26	LAB EQUIPMENT - 2015 SC		CW	S3	03	-66	120	150	210	0	414	0	414	0	0	0	0	414	0	0	0	0	0	414	
Sub-total						120	120	150	210	0	600	0	600	0	600	0	0	0	600	0	0	0	0	0	600	
<b>WAS906328 SWM END OF PIPE FACILITIES</b>																										
0	9	NORTH TORONTO CSO CONSTR		CW	S2	04	5,389	2,500	0	0	0	7,889	0	7,889	0	0	633	0	7,256	0	0	0	0	0	7,889	
0	11	Bonar Creek Construction		CW	S2	04	1,000	2,150	5,400	5,250	2,450	16,250	150	16,400	0	0	1,320	0	15,080	0	0	0	0	0	16,400	
0	12	EARL BALES SWM FACILITY - PHASE 2		CW	S2	04	4,400	1,000	0	0	0	5,400	0	5,400	0	0	435	0	4,965	0	0	0	0	0	5,400	
0	52	Scarborough Waterfront Construction - 2015 SC		CW	S3	04	0	0	1,150	4,000	9,600	14,750	33,200	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950	
0	53	EARL BALES PARK SWM FACILITY - PHASE 2 - 2015 SC		CW	S3	04	100	1,300	0	0	0	1,400	0	1,400	0	0	112	0	1,288	0	0	0	0	0	1,400	
0	54	NORTH TORONTO CSO CONSTR-2015 SC		CW	S3	04	11	-349	0	0	0	-338	0	-338	0	0	-25	0	-313	0	0	0	0	0	-338	
0	55	Bonar Creek Construction-2015 SC		CW	S3	04	-500	-1,750	0	1,950	120	-180	0	-180	0	0	-15	0	-165	0	0	0	0	0	-180	
Sub-total						10,400	4,851	6,550	11,200	12,170	45,171	33,350	78,521	0	78,521	0	0	6,320	0	72,201	0	0	0	0	0	78,521
<b>WAS906331 SWM SOURCE CONTROL PROG</b>																										
0	9	DOWNSPOUT DISCONNECTION PROGRAM		CW	S2	04	150	250	150	150	0	700	0	700	0	0	0	0	700	0	0	0	0	0	700	
0	15	DOWNSPOUT DISCONNECTION PROGRAM- 2015 SC		CW	S3	04	0	-100	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100	
Sub-total						150	150	150	150	0	600	0	600	0	600	0	0	0	600	0	0	0	0	0	0	600
<b>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</b>																										
0	1	ODOUR CONTROL UPGRADES - PHASE 1 ENG		CW	S2	04	1,310	1,280	1,600	780	5	4,975	0	4,975	0	0	398	0	4,577	0	0	0	0	0	4,975	
0	2	ODOUR CONTROL UPGRADES PHASE 1 CONST		CW	S2	02	16,140	13,700	14,200	14,320	10,000	68,360	0	68,360	0	0	5,504	0	62,856	0	0	0	0	0	68,360	
0	16	ODOUR CONTROL UPGRADES - PHASE 1 ENG-2015 SC		CW	S3	04	-805	195	320	320	800	830	0	830	0	0	71	0	759	0	0	0	0	0	830	
0	17	ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2015 SC		CW	S3	02	-1,140	3,300	800	680	-4,425	-785	0	-785	0	0	-66	0	-719	0	0	0	0	0	-785	
Sub-total						15,505	18,475	16,920	16,100	6,380	73,380	0	73,380	0	73,380	0	0	5,907	0	67,473	0	0	0	0	0	73,380
<b>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</b>																										
0	3	PCS-PLANT SRVS		CW	S2	04	1,530	50	30	0	0	1,610	0	1,610	0	0	129	0	1,481	0	0	0	0	0	1,610	
0	4	LANDSCAPE SITE DESIGN		CW	S2	04	0	0	0	0	0	800	800	800	0	0	0	0	800	0	0	0	0	0	800	
0	45	LANDSCAPE SITE DESIGN - 2015 SC		CW	S3	04	0	0	0	0	0	-800	-800	-800	0	0	0	0	-800	0	0	0	0	0	-800	



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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																							
0 46	PCS-PLANT SRVS-2015 SC	CW	S3	04	-35	0	0	0	0	-35	0	-35	0	0	-3	0	-32	0	0	0	0	-35	
	Sub-total				1,495	50	30	0	0	1,575	0	1,575	0	0	126	0	1,449	0	0	0	0	1,575	
<u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>																							
0 2	PCS PLANT SERVICES	CW	S2	04	108	3	0	0	0	111	0	111	0	0	9	0	102	0	0	0	0	111	
0 20	PCS PLANT SERVICES-2015 SC	CW	S3	04	-45	117	0	0	0	72	0	72	0	0	6	0	66	0	0	0	0	72	
	Sub-total				63	120	0	0	0	183	0	183	0	0	15	0	168	0	0	0	0	183	
<u>WAS906488 HUMBER T.P. - II YR2004</u>																							
0 2	PCS PLANT SERVICES	CW	S2	04	180	5	7	0	0	192	0	192	0	0	15	0	177	0	0	0	0	192	
0 22	PCS PLANT SERVICES-2015 SC	CW	S3	04	-25	0	0	7	0	-18	0	-18	0	0	-1	0	-17	0	0	0	0	-18	
	Sub-total				155	5	7	7	0	174	0	174	0	0	14	0	160	0	0	0	0	174	
<u>WAS906492 WET WEATHER FLOW MP</u>																							
0 1	SWM INA-EA	CW	S2	04	610	150	150	150	0	1,060	0	1,060	0	0	85	0	975	0	0	0	0	1,060	
0 2	WWFMP - PUBLIC EDUCATION	CW	S2	04	500	500	0	0	0	1,000	0	1,000	0	0	80	0	920	0	0	0	0	1,000	
0 14	WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN	CW	S2	04	1,132	1,000	500	0	0	2,632	0	2,632	0	0	212	0	2,420	0	0	0	0	2,632	
0 15	WWF MONITORING STATIONS	CW	S2	04	0	0	0	500	200	700	400	1,100	0	0	88	0	1,012	0	0	0	0	1,100	
0 44	SWM CONVEYANCE 2013	CW	S2	04	319	0	0	0	0	319	0	319	0	0	26	0	293	0	0	0	0	319	
0 51	SWM CONVEYANCE 2014	CW	S2	04	4,299	0	0	0	0	4,299	0	4,299	0	0	0	0	4,299	0	0	0	0	4,299	
0 57	SWM CONVEYANCE 2014 - 2015 SC	CW	S3	04	-2,048	974	0	0	0	-1,074	0	-1,074	0	0	0	0	-1,074	0	0	0	0	-1,074	
0 58	SWM CONVEYANCE 2015	CW	S4	04	1,034	1,267	767	0	0	3,068	0	3,068	0	0	0	0	3,068	0	0	0	0	3,068	
0 59	STORM WATER POND ASSESSMENT & CLEANING	CW	S4	03	200	1,000	1,000	2,200	2,200	6,600	0	6,600	0	0	0	0	6,600	0	0	0	0	6,600	
0 60	Ashbridges Bay Landforms	CW	S4	04	5,333	15,689	3,390	8,668	0	33,080	0	33,080	0	0	0	0	33,080	0	0	0	0	33,080	
0 62	SWM INA/EA-2015 SC	CW	S3	04	-25	400	200	50	50	675	0	675	0	0	54	0	621	0	0	0	0	675	
0 63	WWFMP IMPLEMENTATION - DESIGN-2015 SC	CW	S3	04	1,467	700	850	0	0	3,017	0	3,017	0	0	243	0	2,774	0	0	0	0	3,017	
0 64	WET WEATHER FLOW MONITORING STATIONS-2015 SC	CW	S3	04	0	0	0	-500	-200	-700	-400	-1,100	0	0	-88	0	-1,012	0	0	0	0	-1,100	

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Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments

Wastewater Program

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By										
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable	Total Financing		
<u>WAS906492 WET WEATHER FLOW MP</u>																								
0 66	SWM CONVEYANCE 2013- 2015 SC	CW	S3	04	681	292	0	0	0	973	0	973	0	0	79	0	894	0	0	0	0	0	973	
Sub-total					13,502	21,972	6,857	11,068	2,250	55,649	0	55,649	0	0	779	0	54,870	0	0	0	0	0	55,649	
<u>WAS906495 SEWER ASSET PLANNING</u>																								
0 5	Sewer Asset Planning	CW	S2	03	1,825	615	0	0	0	2,440	0	2,440	0	0	196	0	2,244	0	0	0	0	0	2,440	
0 7	Sewer System Inspection	CW	S2	03	14,184	12,000	12,000	12,000	11,000	61,184	4,000	65,184	0	0	0	0	65,184	0	0	0	0	0	65,184	
0 21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	180	0	0	0	0	180	0	180	0	0	0	0	180	0	0	0	0	0	180	
0 25	SEWER ASSET PLANNING - 2015 SC	CW	S3	03	675	2,804	4,000	2,400	500	10,379	0	10,379	0	0	835	0	9,544	0	0	0	0	0	10,379	
0 26	SEWER SYSTEM INSPECTION-2015 SC	CW	S3	03	-5,176	1,213	-1,055	-2,049	1,000	-6,067	12,495	6,428	0	0	0	0	6,428	0	0	0	0	0	6,428	
0 27	PPD - INFRASTRUCTURE PLANNING STUDIES-2015 SC	CW	S3	05	-30	150	0	0	0	120	0	120	0	0	0	0	120	0	0	0	0	0	120	
Sub-total					11,658	16,782	14,945	12,351	12,500	68,236	16,495	84,731	0	0	1,031	0	83,700	0	0	0	0	0	0	84,731
<u>WAS906500 NEW SEWER CONSTRUCTION</u>																								
0 5	NEW SEWERS	CW	S2	05	810	0	0	0	0	810	0	810	0	0	504	0	306	0	0	0	0	0	810	
0 23	NEW SEWERS - 2015 SC	CW	S3	05	-310	1,000	0	0	0	690	0	690	0	0	429	0	261	0	0	0	0	0	690	
0 24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S4	05	1,000	3,000	5,000	5,000	5,000	19,000	25,000	44,000	0	0	22,000	0	22,000	0	0	0	0	0	44,000	
0 25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S4	05	2,000	4,000	2,000	0	0	8,000	0	8,000	0	0	8,000	0	0	0	0	0	0	0	8,000	
Sub-total					3,500	8,000	7,000	5,000	5,000	28,500	25,000	53,500	0	0	30,933	0	22,567	0	0	0	0	0	0	53,500
<u>WAS906735 DIST SEWER REHAB OPS YR2005</u>																								
0 10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	388	12	0	0	0	400	0	400	0	0	32	0	368	0	0	0	0	0	400	
Sub-total					388	12	0	0	0	400	0	400	0	0	32	0	368	0	0	0	0	0	0	400
<u>WAS906741 HIGHLAND CREEK TP YR2005</u>																								
0 1	WAS THICKENING AND DEWATERING ENG	CW	S2	03	317	313	0	5	0	635	0	635	0	0	51	0	584	0	0	0	0	0	635	
0 17	WAS THICKENING AND DEWATERING - ENG-2015 SC	CW	S3	03	-195	-198	5	-5	0	-393	0	-393	0	0	-32	0	-361	0	0	0	0	0	-393	
Sub-total					122	115	5	0	0	242	0	242	0	0	19	0	223	0	0	0	0	0	0	242
<u>WAS906742 HUMBER TP YR2005</u>																								
0 6	HEADHOUSE UPGRADES Phase 1	CW	S2	03	40	0	0	0	0	40	0	40	0	0	4	0	36	0	0	0	0	0	40	

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**Wastewater Program**

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906742 HUMBER TP YR2005</u>																									
0	8	ODOUR CONTROL ENGINEERING	CW	S2	04	1,213	421	100	101	0	1,835	0	1,835	0	0	0	0	1,835	0	0	0	0	0	1,835	
0	53	ODOUR CONTROL ENGINEERING-2015 SC	CW	S3	04	560	1,329	74	-1	101	2,063	0	2,063	0	0	0	0	2,063	0	0	0	0	0	2,063	
0	54	HEADHOUSE UPGRADES PHASE 1 - 2015 SC	CW	S3	03	-20	0	0	0	0	-20	0	-20	0	0	-2	0	-18	0	0	0	0	0	-20	
Sub-total						1,793	1,750	174	100	101	3,918	0	3,918	0	0	2	0	3,916	0	0	0	0	0	3,918	
<u>WAS906743 ASHRIDGES BAY TP YR2005</u>																									
0	1	Process & Equip Upgrades	CW	S2	03	660	322	458	82	0	1,522	0	1,522	0	0	123	0	1,399	0	0	0	0	0	1,522	
1	4	M & T IMPROVEMENTS (EQUIPMENT)	CW	S2	03	1,026	0	0	0	0	1,026	0	1,026	0	0	0	0	1,026	0	0	0	0	0	1,026	
1	7	SERVICE AIR UPGRADES	CW	S2	03	4,900	2,850	550	617	0	8,917	0	8,917	0	0	0	0	8,917	0	0	0	0	0	8,917	
0	51	SERVICE AIR UPGRADES - 2015 SC	CW	S3	03	-2,500	-450	2,450	-29	0	-529	0	-529	0	0	0	0	-529	0	0	0	0	0	-529	
0	52	MISC MECH ENGINEERING-2015 SC	CW	S3	03	-480	583	-183	768	0	688	0	688	0	0	54	0	634	0	0	0	0	0	688	
0	53	M & T RETROFIT-2015 SC	CW	S3	03	164	409	0	0	0	573	0	573	0	0	0	0	573	0	0	0	0	0	573	
Sub-total						3,770	3,714	3,275	1,438	0	12,197	0	12,197	0	0	177	0	12,020	0	0	0	0	0	12,197	
<u>WAS906755 WESTERN BEACHES RETROFIT</u>																									
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	3,015	2,550	0	0	0	5,565	0	5,565	0	0	447	0	5,118	0	0	0	0	0	5,565	
0	10	WESTERN BEACHES RETROFIT-2015 SC	CW	S3	03	-1,812	1,550	1,000	0	0	738	0	738	0	0	60	0	678	0	0	0	0	0	738	
Sub-total						1,203	4,100	1,000	0	0	6,303	0	6,303	0	0	507	0	5,796	0	0	0	0	0	0	6,303
<u>WAS906926 OPERATIONAL SUPPORT</u>																									
0	6	FACILITY RENOVATION	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000	
0	7	RENOVATION - MERTON STREET	CW	S2	04	360	0	0	0	0	360	0	360	0	0	0	0	360	0	0	0	0	0	360	
0	23	HAND HELD DEVICES - UPDATED	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150	
0	40	WWTP PLC PLATFORM UPGRADE	CW	S2	04	3,642	5,500	5,000	4,300	500	18,942	0	18,942	0	0	0	0	18,942	0	0	0	0	0	18,942	
0	88	DIVISIONAL SECURITY - 2015 SC	CW	S3	04	720	0	0	0	0	720	0	720	0	0	0	0	720	0	0	0	0	0	720	
0	89	FACILITY RENOVATION - 2015 SC	CW	S3	04	0	1,000	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000	
0	90	DESIGNATED SUBSTANCE ABATEMENT - 2015 SC	CW	S3	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200	
0	91	PCS UPGRADES FOR WASTEWATER TREATMENT - 2015 SC	CW	S3	04	-2,062	-2,320	774	1,480	4,893	2,765	50	2,815	0	0	0	0	2,815	0	0	0	0	0	2,815	



**CITY OF TORONTO**

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By								
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing
<b>WAS906960 STREAM RESTORATION &amp; EROSION CONTRC</b>																						
0 36	STREAM RESTORATION - CRITICAL LOCATIONS - 2015 SC	CW	S3	03	-500	0	0	0	0	-500	0	-500	0	0	0	0	-500	0	0	0	0	-500
Sub-total					12,361	6,895	4,889	2,026	1,815	27,986	50	28,036	0	0	2,256	0	25,780	0	0	0	0	28,036
<b>WAS906964 CONVEYANCE CONTROLS - REPLC &amp; REHAB</b>																						
0 18	COATSWORTH CUT - PHASE 1 WATER QUALITY IMP	CW	S2	04	64	0	0	0	0	64	0	64	0	0	0	0	64	0	0	0	0	64
0 28	COATSWORTH CUT PHASE 1 WATER QUALITY IMP-2015 SC	CW	S3	04	-20	0	0	0	0	-20	0	-20	0	0	0	0	-20	0	0	0	0	-20
Sub-total					44	0	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	44
<b>WAS906966 SWM TRCA FUNDING</b>																						
0 18	TORONTO WATER TRANSFER TO TRCA CAPITAL - 2015 SC	CW	S3	04	4,069	0	0	0	0	4,069	0	4,069	0	0	327	0	3,742	0	0	0	0	4,069
Sub-total					4,069	0	0	0	0	4,069	0	4,069	0	0	327	0	3,742	0	0	0	0	4,069
<b>WAS906968 ENGINEERING</b>																						
0 2	CONSULTING FEES	CW	S2	03	5,298	5,874	5,912	5,445	4,160	26,689	5,016	31,705	0	0	0	0	31,705	0	0	0	0	31,705
0 54	ROAD RESTORATION - 2015 SC	CW	S3	03	1,400	1,249	0	0	0	2,649	0	2,649	0	0	0	0	2,649	0	0	0	0	2,649
0 55	CONSULTING FEES - 2015 SC	CW	S3	03	2,127	2,182	-867	-2,792	-3,909	-3,259	-3,950	-7,209	0	0	0	0	-7,209	0	0	0	0	-7,209
0 56	ECS SALARIES - 2015 SC	CW	S3	03	12,199	0	0	0	0	12,199	0	12,199	0	0	0	0	12,199	0	0	0	0	12,199
Sub-total					21,024	9,305	5,045	2,653	251	38,278	1,066	39,344	0	0	0	0	39,344	0	0	0	0	39,344
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																						
0 24	SEWAGE FORCEMAIN REPLACEMENT	CW	S2	03	1,662	0	0	0	0	1,662	0	1,662	0	0	0	0	1,662	0	0	0	0	1,662
0 25	SEWER REPLACEMENT 2012	CW	S2	03	2,122	0	0	0	0	2,122	0	2,122	0	0	0	0	2,122	0	0	0	0	2,122
0 35	SEWER REPLACEMENT - 2013 PROGRAM	CW	S2	03	3,204	0	0	0	0	3,204	0	3,204	0	0	259	0	2,945	0	0	0	0	3,204
0 36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	13,580	2,000	0	0	0	15,580	0	15,580	0	0	0	0	15,580	0	0	0	0	15,580
0 44	COXWELL TRUNK EMERGENCY REPAIR	CW	S2	03	1,559	0	0	0	0	1,559	0	1,559	0	0	0	0	1,559	0	0	0	0	1,559
0 46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	2,750	0	0	0	0	2,750	0	2,750	0	0	1,544	0	1,206	0	0	0	0	2,750
0 47	WATERFRONT SANITARY SERVICING INFRASTRUCTURE	CW	S2	04	3,561	0	0	0	0	3,561	0	3,561	0	0	2,324	0	1,237	0	0	0	0	3,561
0 52	SEWER REPLACEMENT - METROLINX	CW	S2	03	2,245	1,608	1,096	603	0	5,552	0	5,552	0	0	0	0	5,552	0	0	0	0	5,552
0 59	FORCEMAIN REPLACEMENT - 2015 SC	CW	S3	03	-1,000	1,505	5	0	0	510	0	510	0	0	0	0	510	0	0	0	0	510

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<b>WAS906973 SEWER REPLACEMENT PROGRAM</b>																							
0 60	SEWER REPLC - 2014 PROGRAM - 2015 SC	CW	S3	03	-3,593	104	0	0	0	-3,489	0	-3,489	0	0	0	0	-3,489	0	0	0	0	-3,489	
0 61	SEWER REPLACEMENT - METROLINX - 2015 SC	CW	S3	03	-2,188	-1,551	804	1,297	1,786	148	0	148	0	0	0	0	148	0	0	0	0	148	
0 62	SEWER REPLC - 2015 PROGRAM	CW	S4	03	10,635	6,732	5,491	0	0	22,858	0	22,858	0	0	1,840	0	21,018	0	0	0	0	22,858	
0 63	2012 SEWER REPLC-2015 SC	CW	S3	03	-803	1,279	0	0	0	476	0	476	0	0	0	0	476	0	0	0	0	476	
0 64	2013 SEWER REPLC-2015 SC	CW	S3	03	-1,844	517	0	0	0	-1,327	0	-1,327	0	0	-108	0	-1,219	0	0	0	0	-1,327	
0 65	WATERFRONT STORMWATER INFRASTRUCTURE - 2015 SC	CW	S3	04	6,500	4,000	0	0	0	10,500	0	10,500	0	0	7,121	0	3,379	0	0	0	0	10,500	
0 66	WATERFRONT SANITARY SERVICING INFR - 2015 SC	CW	S3	04	7,439	4,020	0	0	0	11,459	0	11,459	0	0	7,498	0	3,961	0	0	0	0	11,459	
0 67	COXWELL EMERGENCY TRUNK REPAIR- 2015 SC	CW	S3	03	-1,383	54	0	0	0	-1,329	0	-1,329	0	0	0	0	-1,329	0	0	0	0	-1,329	
Sub-total					44,446	20,268	7,396	1,900	1,786	75,796	0	75,796	0	0	20,478	0	55,318	0	0	0	0	75,796	
<b>WAS906980 ASHBRIDGES BAY T.P. YR2006</b>																							
0 8	MEDIATION AGREEMENT IMPLEMENTATION - PART 2	CW	S2	04	25	0	0	0	0	25	0	25	0	0	2	0	23	0	0	0	0	25	
0 9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	2,030	2,226	0	0	0	4,256	0	4,256	0	0	343	0	3,913	0	0	0	0	4,256	
0 36	DEWATERING EQUIPMENT UPGRADES-2015 SC	CW	S3	03	-1,220	-1,716	1,049	0	0	-1,887	0	-1,887	0	0	-153	0	-1,734	0	0	0	0	-1,887	
0 37	MEDIATION AGREEMENT IMPLEMENTATION- 2015 SC	CW	S3	04	-25	0	0	0	0	-25	0	-25	0	0	-2	0	-23	0	0	0	0	-25	
Sub-total					810	510	1,049	0	0	2,369	0	2,369	0	0	190	0	2,179	0	0	0	0	2,369	
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																							
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,780	1,323	610	620	620	5,953	459	6,412	0	0	0	0	6,412	0	0	0	0	6,412	
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	10,892	20,650	20,081	9,150	30	60,803	0	60,803	0	0	4,917	0	55,886	0	0	0	0	60,803	
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	0	1,000	1,250	1,690	1,200	5,140	0	5,140	0	0	414	0	4,726	0	0	0	0	5,140	
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	1,467	57	0	0	0	1,524	0	1,524	0	0	0	0	1,524	0	0	0	0	1,524	
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	1,785	4,950	4,680	50	0	11,465	0	11,465	0	0	0	0	11,465	0	0	0	0	11,465	
0 16	MECH SYSTEMS UPGRADES - CONSTR	CW	S2	03	731	0	0	0	0	731	0	731	0	0	0	0	731	0	0	0	0	731	
0 23	ELECTRICAL UPGRADES-ECAR	CW	S2	03	2,357	3,135	590	2,720	4,800	13,602	0	13,602	0	0	0	0	13,602	0	0	0	0	13,602	
0 31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	1,076	0	0	0	0	1,076	0	1,076	0	0	0	0	1,076	0	0	0	0	1,076	

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**Wastewater Program**

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					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing
<b>WAS906981 HIGHLAND CREEK WWTP UPGRADES</b>																						
0 32	CEPA COMPLIANCE - CL NOTICE - HCTP	CW	S2	02	2,050	300	0	0	0	2,350	0	2,350	0	0	0	0	2,350	0	0	0	0	2,350
0 80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	2,704	0	0	0	0	2,704	0	2,704	0	0	0	0	2,704	0	0	0	0	2,704
0 83	PLANT FIRM CAPACITY - CONCEPT DESIGN	CW	S2	03	25	0	0	0	0	25	0	25	0	0	0	25	0	0	0	0	0	25
0 84	TRANSFORMERS AND SWITCHGEAR - 2015 SC	CW	S3	05	0	-500	-750	-1,190	800	-1,640	14,000	12,360	0	0	994	0	11,366	0	0	0	0	12,360
0 85	MECH SYSTEM UPGRADES - CONSTR - 2015 SC	CW	S3	03	-681	762	0	0	0	81	0	81	0	0	0	81	0	0	0	0	0	81
0 86	CEPA COMPLIANCE - CL NOTICE - HCTP - 2015 SC	CW	S3	02	-2,000	150	2,000	0	0	150	0	150	0	0	0	150	0	0	0	0	0	150
0 87	DIGESTER CLEANING, REHAB AND IMPRO #4-7 - 2015 SC	CW	S3	03	-1,690	1,500	1,300	0	0	1,110	0	1,110	0	0	0	1,110	0	0	0	0	0	1,110
0 90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	CW	S4	03	50	150	50	0	0	250	0	250	0	0	0	250	0	0	0	0	0	250
0 91	PROCESS, EQUIPMENT, FACILITY UPGRADES	CW	S4	03	555	735	125	0	0	1,415	0	1,415	0	0	0	1,415	0	0	0	0	0	1,415
0 92	PLANT WIDE CONCRETE TUNNEL REPAIR	CW	S4	03	600	2,650	4,150	3,600	1,400	12,400	0	12,400	0	0	0	12,400	0	0	0	0	0	12,400
0 94	PROCESS & FACILITY UPGRADE-2015 SC	CW	S3	04	8	787	340	55	107	1,297	509	1,806	0	0	0	1,806	0	0	0	0	0	1,806
0 95	BIOSOLIDS TREATMENT UPGRADES -2015 SC	CW	S3	03	-530	-2,260	-13,986	-9,030	90	-25,716	70	-25,646	0	0	-2,073	0	-23,573	0	0	0	0	-25,646
0 96	MECH & ELECTRICAL UPGRADE ENGINEERING-2015 SC	CW	S3	03	-1,299	1,521	45	0	0	267	0	267	0	0	0	267	0	0	0	0	0	267
0 97	ELEC SYSTEM UPGRADES - CONSTR-2015 SC	CW	S3	03	-776	1,383	0	0	0	607	0	607	0	0	0	607	0	0	0	0	0	607
0 98	DIGESTER GAS SYSTEM UPGRADES-2015 SC	CW	S3	03	-710	-375	-80	-40	0	-1,205	0	-1,205	0	0	0	-1,205	0	0	0	0	0	-1,205
0 99	ELECTRICAL UPGRADES - ECAR-2015 SC	CW	S3	03	63	-556	0	0	0	-493	0	-493	0	0	0	-493	0	0	0	0	0	-493
0 100	PLANT FIRM CAPACITY - CONCEPT DESIGN-2015 SC	CW	S3	03	0	25	0	0	0	25	0	25	0	0	0	25	0	0	0	0	0	25
0 102	LIQUID TRAIN - ENGINEERING	CW	S4	03	200	4,100	5,500	6,500	8,600	24,900	15,480	40,380	0	0	0	40,380	0	0	0	0	0	40,380
Sub-total					19,657	41,487	25,905	14,125	17,647	118,821	30,518	149,339	0	0	4,252	0	145,087	0	0	0	0	149,339
<b>WAS906982 HUMBER WWTP UPGRADES</b>																						
0 2	Chlorine Building Upgrade	CW	S2	01	3,066	25	25	0	0	3,116	0	3,116	0	0	0	3,116	0	0	0	0	0	3,116
0 5	FLOOD PROTECTION	CW	S2	02	250	0	0	0	0	250	0	250	0	0	0	250	0	0	0	0	0	250
0 6	NEW SUBSTATION	CW	S2	03	2,080	3,015	0	0	0	5,095	0	5,095	0	0	0	5,095	0	0	0	0	0	5,095
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,129	3,525	2,425	2,250	1,750	12,079	1,750	13,829	0	0	0	13,829	0	0	0	0	0	13,829

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**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

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						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS906982 HUMBER WWTP UPGRADES</u>																									
0	8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	CW	S2	01	350	0	0	0	0	350	0	350	0	0	0	0	350	0	0	0	0	0	350	
0	29	ADMIN BUILDING EXPANSION	CW	S2	04	350	400	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0	52	HVAC UPGRADES	CW	S2	03	3,950	1,620	20	10	0	5,600	0	5,600	0	0	0	0	5,600	0	0	0	0	0	5,600	
0	73	ADMIN BUILDING EXPANSION - 2015 SC	CW	S3	04	-250	-150	300	100	260	260	310	570	0	0	0	0	570	0	0	0	0	0	570	
0	74	HVAC UPGRADES - 2015 SC	CW	S3	03	-3,400	3,064	3,337	8	3	3,012	0	3,012	0	0	0	0	3,012	0	0	0	0	0	3,012	
0	75	HYDRAULIC ASSESSMENT	CW	S4	03	50	200	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250	
0	76	CHLORINE FACILITY UPGRADE-2015 SC	CW	S3	01	-19	914	9	0	0	904	0	904	0	0	0	0	904	0	0	0	0	0	904	
0	77	ELECTRICAL CONDITION ASSESSMENT -2015 SC	CW	S3	01	-1,057	-2,357	2,518	650	-750	-996	-1,750	-2,746	0	0	0	0	-2,746	0	0	0	0	0	-2,746	
0	78	NEW SUBSTATION-2015 SC	CW	S3	03	668	-2,536	3	0	0	-1,865	0	-1,865	0	0	0	0	-1,865	0	0	0	0	0	-1,865	
0	79	NEW GROUNDSKEEPING BUILDING-2015 SC	CW	S3	01	850	227	0	0	0	1,077	0	1,077	0	0	0	0	1,077	0	0	0	0	0	1,077	
0	80	FLOOD PROTECTION-2015 SC	CW	S3	02	-250	0	0	0	0	-250	0	-250	0	0	0	0	-250	0	0	0	0	0	-250	
0	85	BUILDING UPGRADES ENGINEERING-2015 SC	CW	S3	03	370	60	10	0	0	440	0	440	0	0	0	0	440	0	0	0	0	0	440	
Sub-total						9,137	8,007	8,647	3,018	1,263	30,072	310	30,382	0	0	0	0	30,382	0	0	0	0	0	30,382	
<u>WAS906994 HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HA</u>																									
0	1	HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING	CW	S2	04	4,300	3,000	3,000	3,000	2,000	15,300	500	15,800	0	0	1,270	0	14,530	0	0	0	0	0	15,800	
0	3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	3,000	4,047	0	0	0	7,047	0	7,047	0	0	568	0	6,479	0	0	0	0	0	7,047	
0	13	HIGHLAND CREEK WWTP - BMP IMPLEMENTATION - 2015 SC	CW	S3	04	-3,654	100	1,050	-1,500	1,000	-3,004	4,000	996	0	0	81	0	915	0	0	0	0	0	996	
0	14	WAS THICKENING - CONSTR-2015 SC	CW	S3	03	-2,900	-47	0	0	0	-2,947	0	-2,947	0	0	-238	0	-2,709	0	0	0	0	0	-2,947	
Sub-total						746	7,100	4,050	1,500	3,000	16,396	4,500	20,896	0	0	1,681	0	19,215	0	0	0	0	0	20,896	
<u>WAS907038 Land Acquisition for Source Water Protect</u>																									
0	13	TRCA - CRITICAL EROSION SITES	CW	S2	04	7,000	0	0	0	0	7,000	0	7,000	0	0	564	0	6,436	0	0	0	0	0	7,000	
0	14	TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2015 SC	CW	S3	04	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	0	1,500	
Sub-total						8,500	0	0	0	0	8,500	0	8,500	0	0	564	0	7,936	0	0	0	0	0	8,500	
<u>WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC</u>																									
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	32	S2	02	270	0	0	0	0	270	0	270	0	0	0	0	270	0	0	0	0	0	270	



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**Wastewater Program**

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						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS907097 ASHBRIDGES BAY WWTP - BUILDING SERVIC</u>																								
0	19	CITY IMPROVEMENTS RE: TH COGEN	CW	S2	04	1,050	1,300	2,500	2,200	1,000	8,050	50	8,100	0	0	0	0	8,100	0	0	0	0	0	8,100
0	21	BLOWER BLDG AND OLD NORTH SUBSTAION IMPROVEMENTS	CW	S2	04	2,647	2,805	60	0	0	5,512	0	5,512	0	0	0	0	5,512	0	0	0	0	0	5,512
0	50	CONTROLLED SUBS IDENTIFICATION&ABATEMENT-2015SC	CW	S3	02	-170	100	0	0	0	-70	0	-70	0	0	0	0	-70	0	0	0	0	0	-70
0	51	CITY IMPROVEMENTS RE: TH COGEN - 2015 SC	CW	S3	04	-900	-400	-1,200	-200	-950	-3,650	0	-3,650	0	0	0	0	-3,650	0	0	0	0	0	-3,650
0	53	BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2015 SC	CW	S3	04	-1,947	-1,045	1,890	1,095	10	3	0	3	0	0	0	0	3	0	0	0	0	0	3
Sub-total						950	2,760	3,250	3,095	60	10,115	50	10,165	0	0	0	0	10,165	0	0	0	0	0	10,165
<u>WAS907098 ASHBRIDGES BAY WWTP - EFFLUENT SYSTE</u>																								
0	1	ABTP DISINFECTION ENGINEERING	CW	S2	02	1,899	3,500	4,410	1,610	889	12,308	250	12,558	0	0	1,012	0	11,546	0	0	0	0	0	12,558
0	13	ABTP OUTFALL ASSESSMENT	CW	S2	02	1,300	0	0	0	0	1,300	0	1,300	0	0	105	0	1,195	0	0	0	0	0	1,300
0	14	OUTFALL ENGINEERING	CW	S4	02	100	7,000	7,000	1,400	5,000	20,500	12,800	33,300	0	0	2,679	0	30,621	0	0	0	0	0	33,300
0	21	DISINFECTION ENGINEERING - 2015 SC	CW	S3	02	-1,149	210	929	390	61	441	40	481	0	0	37	0	444	0	0	0	0	0	481
0	22	OUTFALL ASSESSMENT - 2015 SC	CW	S3	02	-1,290	1,020	0	0	0	-270	0	-270	0	0	-22	0	-248	0	0	0	0	0	-270
Sub-total						860	11,730	12,339	3,400	5,950	34,279	13,090	47,369	0	0	3,811	0	43,558	0	0	0	0	0	47,369
<u>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMEI</u>																								
0	1	FINE BUBBLE AERATION IMPLEMENTATION	CW	S2	03	9,500	8,000	0	0	0	17,500	0	17,500	0	0	1,409	0	16,091	0	0	0	0	0	17,500
0	3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	25,175	29,500	33,500	28,000	0	116,175	0	116,175	0	0	9,336	0	106,839	0	0	0	0	0	116,175
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	5,250	2,670	0	0	0	7,920	0	7,920	0	0	0	0	7,920	0	0	0	0	0	7,920
0	7	Primary and Secondary Tanks Rehabilitation	CW	S2	03	1,900	600	0	0	0	2,500	0	2,500	0	0	201	0	2,299	0	0	0	0	0	2,500
0	10	INTERGRATED PUMPING STATION - ENGINEERING	CW	S2	03	4,500	7,050	7,050	7,000	6,500	32,100	14,733	46,833	0	0	0	0	46,833	0	0	0	0	0	46,833
0	12	WORK AREA 1 REHAB	CW	S2	03	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2
0	39	INTEGRATED PUMPING STATION - CONSTRUCTION	CW	S2	03	0	10,000	35,000	45,000	45,000	135,000	190,000	325,000	0	0	0	0	325,000	0	0	0	0	0	325,000
0	57	INTEGRATED PUMPING STATION (IPS) - ENG - 2015 SC	CW	S3	03	-1,550	-2,400	-2,000	-1,000	-500	-7,450	5,267	-2,183	0	0	0	0	-2,183	0	0	0	0	0	-2,183
0	58	WORK AREA 1 REHAB - 2015 SC	CW	S3	03	0	2	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2
0	59	Primary and Final Tank Upgrades - 2015 SC	CW	S3	03	1,000	-5	0	0	0	995	0	995	0	0	81	0	914	0	0	0	0	0	995

**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By									
					2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable Debt	Total Financing	
<b>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT</b>																							
0 60	M & T PUMPING STATION CRITICAL REPAIRS - 2015 SC	CW	S3	03	-1,050	3,000	0	0	0	1,950	0	1,950	0	0	0	0	1,950	0	0	0	0	1,950	
0 61	FINE BUBBLE AERATION - TANK #2-2015 SC	CW	S3	03	-2,700	-7,630	0	0	0	-10,330	0	-10,330	0	0	-832	0	-9,498	0	0	0	0	-10,330	
0 62	P BLDG HEADWORKS UPGRADE-2015 SC	CW	S3	03	555	5,500	-8,500	-12,869	0	-15,314	0	-15,314	0	0	-1,218	0	-14,096	0	0	0	0	-15,314	
0 63	INTEGRATED PUMPING STATION (IPS) - CONS-2015 SC	CW	S3	03	0	-9,000	-10,000	0	0	-19,000	19,000	0	0	0	0	0	0	0	0	0	0	0	
Sub-total					42,582	47,287	55,050	66,131	51,000	262,050	229,000	491,050	0	0	8,977	0	482,073	0	0	0	0	0	491,050
<b>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</b>																							
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	2,680	5,000	2,500	2,000	2,000	14,180	2,100	16,280	0	0	1,310	0	14,970	0	0	0	0	16,280	
0 4	DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	800	11,000	11,010	8,310	40	31,160	30	31,190	0	0	2,509	0	28,681	0	0	0	0	31,190	
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400	
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	1,450	0	0	0	0	1,450	0	1,450	0	0	0	0	1,450	0	0	0	0	1,450	
0 31	WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2015 SC	CW	S3	03	-1,180	-3,000	2,096	0	0	-2,084	2,000	-84	0	0	-6	0	-78	0	0	0	0	-84	
0 33	DIGESTERS 9-12 REFURBISH-2015 SC	CW	S3	03	-200	-10,400	940	2,390	4,670	-2,600	5,730	3,130	0	0	252	0	2,878	0	0	0	0	3,130	
0 34	PELLETIZER TRUCK LOADING FACILITY UPGRADES-2015 SC	CW	S3	03	-950	725	500	500	0	775	0	775	0	0	0	0	775	0	0	0	0	775	
0 35	BIOSOLIDS PELLETIZER RETROFIT-2015 SC	CW	S3	03	0	400	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400	
Sub-total					3,000	3,725	17,046	13,200	6,710	43,681	9,860	53,541	0	0	4,065	0	49,476	0	0	0	0	0	53,541
<b>WAS907101 ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</b>																							
0 5	PROCESS & EQUIP UPGRADES	CW	S2	03	69	0	0	0	0	69	0	69	0	0	0	0	69	0	0	0	0	69	
0 6	MESI UPGRADES	CW	S2	03	3,490	0	0	0	0	3,490	0	3,490	0	0	0	0	3,490	0	0	0	0	3,490	
0 7	MISC MECH REHAB	CW	S2	03	5,600	6,000	0	0	0	11,600	0	11,600	0	0	0	0	11,600	0	0	0	0	11,600	
0 22	MISC MECH REHAB - 2015 SC	CW	S3	03	-3,499	500	3,000	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1	
0 23	BOILER #4 DESIGN - 2015 SC	CW	S3	03	0	57	0	0	0	57	0	57	0	0	0	0	57	0	0	0	0	57	
0 24	MESI UPGRADES - 2015 SC	CW	S3	03	-390	3,100	2,500	0	0	5,210	0	5,210	0	0	0	0	5,210	0	0	0	0	5,210	
Sub-total					5,270	9,657	5,500	0	0	20,427	0	20,427	0	0	0	0	20,427	0	0	0	0	0	20,427
<b>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</b>																							
0 6	BIOFILTERS UPGRADE	CW	S2	03	7,054	8,742	6,122	0	0	21,918	0	21,918	0	0	1,764	0	20,154	0	0	0	0	21,918	

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

**Wastewater Program**

Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>																									
0	13	D BUILDING TREATMENT & BIOFILTER	CW	S2	03	1,613	0	0	0	0	1,613	0	1,613	0	0	130	0	1,483	0	0	0	0	0	0	1,613
0	32	BIOFILTERS UPGRADE & REPLACEMENT - 2015 SC	CW	S3	03	-4,611	2,800	2,278	122	0	589	0	589	0	0	48	0	541	0	0	0	0	0	0	589
0	33	D BUILDING TREATMENT & BIOFILTER-2015 SC	CW	S3	03	-1,413	1,145	0	0	0	-268	0	-268	0	0	-22	0	-246	0	0	0	0	0	0	-268
Sub-total						2,643	12,687	8,400	122	0	23,852	0	23,852	0	0	1,920	0	21,932	0	0	0	0	0	0	23,852
<u>WAS907104 HUMBER WWTP - LIQUID TREATMENT &amp; HANI</u>																									
0	2	SECONDARY TREATMENT UPGRADES	CW	S2	03	8,593	3,491	3,225	3,112	3,930	22,351	800	23,151	0	0	21	0	23,130	0	0	0	0	0	0	23,151
0	18	SECONDARY TREATMENT UPGRADES - 2015 SC	CW	S3	03	537	2,643	800	488	-348	4,120	3,075	7,195	0	0	2,422	0	4,773	0	0	0	0	0	0	7,195
0	19	SECONDARY TREATMENT UPGRADES - SOUTH - CONS	CW	S4	03	200	20,000	45,000	45,000	45,000	155,200	84,800	240,000	0	0	19,322	0	220,678	0	0	0	0	0	0	240,000
Sub-total						9,330	26,134	49,025	48,600	48,582	181,671	88,675	270,346	0	0	21,765	0	248,581	0	0	0	0	0	0	270,346
<u>WAS907105 HUMBER WWTP - O&amp;M UPGRADES</u>																									
0	1	Digester 7 & 8 Upgrades & Cogen Upgrades	CW	S2	03	12,217	3,804	0	0	0	16,021	0	16,021	0	0	0	0	16,021	0	0	0	0	0	0	16,021
0	2	LIQUID STREAM UPGRADES	CW	S2	03	250	0	0	0	0	250	0	250	0	0	20	0	230	0	0	0	0	0	0	250
0	27	GAS COMPRESSOR SYSTEM UPGRADES-2015 SC	CW	S3	03	-2,633	2,073	4,850	0	0	4,290	0	4,290	0	0	0	0	4,290	0	0	0	0	0	0	4,290
0	28	LIQUID STREAM UPGRADES-2015 SC	CW	S3	03	-250	0	0	0	0	-250	0	-250	0	0	-20	0	-230	0	0	0	0	0	0	-250
Sub-total						9,584	5,877	4,850	0	0	20,311	0	20,311	0	0	0	0	20,311	0	0	0	0	0	0	20,311
<u>WAS907106 HUMBER WWTP - ODOUR CONTROL</u>																									
0	1	Odour Control Implementation Phase 1	CW	S2	02	15,000	20,000	20,000	5,000	0	60,000	0	60,000	0	0	4,829	0	55,171	0	0	0	0	0	0	60,000
0	11	ODOUR CONTROL IMPLEMENTATION - PHASE 1-2015 SC	CW	S3	02	17,730	-8,250	-16,615	-5,000	0	-12,135	0	-12,135	0	0	-977	0	-11,158	0	0	0	0	0	0	-12,135
Sub-total						32,730	11,750	3,385	0	0	47,865	0	47,865	0	0	3,852	0	44,013	0	0	0	0	0	0	47,865
<u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u>																									
0	1	SPS UPGRADES	CW	S2	02	7,302	2,050	400	0	0	9,752	0	9,752	0	0	785	0	8,967	0	0	0	0	0	0	9,752
0	2	SCOTT STREET PS UPGRADES	CW	S2	05	20	0	0	0	0	20	0	20	0	0	2	0	18	0	0	0	0	0	0	20
0	4	SUNNYSIDE AND MARYPORT SPS UPGRADES	CW	S2	03	1,137	2	0	0	0	1,139	0	1,139	0	0	91	0	1,048	0	0	0	0	0	0	1,139
0	22	SUNNYSIDE SPS REHAB - 2015 SC	CW	S3	03	443	1	3	0	0	447	0	447	0	0	36	0	411	0	0	0	0	0	0	447
0	23	SCOTT ST PS -2015 SC	CW	S3	05	-6	64	0	0	0	58	0	58	0	0	4	0	54	0	0	0	0	0	0	58



**CITY OF TORONTO**

**Gross Expenditures (\$000's)**

**Appendix 4: 2015 Council Approved Cash Flow and Future Year Commitments**

Wastewater Program						Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
						2015	2016	2017	2018	2019	Total 2015-2019	Total 2020-2024	Total 2015-2024	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																		
Financed By:																							
		Development Charges				31,598	27,997	19,445	13,273	10,293	102,606	27,516	130,122	0	0	130,122	0	0	0	0	0	0	130,122
		Reserve Funds (Ind."XR" Ref.)				435,087	482,177	467,834	354,454	251,253	1,990,805	572,048	2,562,853	0	0	0	0	0	0	0	0	0	2,562,853
<b>Total Program Financing</b>						<b>466,685</b>	<b>510,174</b>	<b>487,279</b>	<b>367,727</b>	<b>261,546</b>	<b>2,093,411</b>	<b>599,564</b>	<b>2,692,975</b>	<b>0</b>	<b>0</b>	<b>130,122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,692,975</b>

**Status Code Description**  
 S2 S2 Prior Year (With 2015 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2015 and/or Future Year Cost/Cashflow  
 S4 S4 New - Stand-Alone Project (Current Year Only)  
 S5 S5 New (On-going or Phased Projects)

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

## **Appendix 5**

### **2015 Capital Budget with Financing Detail**

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail**  
**Water Program**  
**Sub-Project Summary**

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2015	Financing									
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAT000004 HORGAN W.T.P. EXPANSION</u></b>													
0	2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004	12/31/2014	940	0	0	300	0	339	0	0	301	0	0
0	18 SUPERNATANT AND FORCEMAIN INSTALLATION	01/01/2012	12/31/2013	4,500	0	0	1,438	0	3,062	0	0	0	0	0
0	32 SUPERNATANT & FORCEMAIN-2015 SC	01/01/2015	12/31/2024	-2,000	0	0	-639	0	-1,361	0	0	0	0	0
0	33 PLANT EXPANSION - DESIGN & CONSTR ADMIN-2015 SC	01/01/2015	12/31/2024	-562	0	0	-179	0	-203	0	0	-180	0	0
0	34 PLANT EXPANSION - CONSTRUCTION-2015 SC	01/01/2015	12/31/2024	-357	0	0	-114	0	-129	0	0	-114	0	0
1	5 PLANT EXPANSION - CONSTRUCTION	07/01/2008	12/31/2015	975	0	0	312	0	351	0	0	312	0	0
	<b>Project Sub-total:</b>			<b>3,496</b>	<b>0</b>	<b>0</b>	<b>1,118</b>	<b>0</b>	<b>2,059</b>	<b>0</b>	<b>0</b>	<b>319</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT000014 WATER STORAGE EXPANSION</u></b>													
0	1 DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	01/01/2007	12/31/2015	5	0	0	3	0	2	0	0	0	0	0
0	2 Milliken PS and Reservoir - Engineering	01/01/2007	12/31/2013	70	0	0	29	0	15	0	0	26	0	0
0	48 DUFFERIN RES. EXT. - DESIGN&CONT. ADMIN - 2015 SC	01/01/2015	12/31/2024	45	0	0	28	0	17	0	0	0	0	0
0	49 MILLIKEN PS&RESERVOIR-DESIGN&CONT&ADMIN - 2015	01/01/2015	12/31/2024	77	0	0	32	0	16	0	0	29	0	0
	<b>Project Sub-total:</b>			<b>197</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT000018 CLARK RESIDUE MGMT. FACILITIES</u></b>													
0	24 RESIDUALS RETROFITS & UPGRADES	01/01/2013	12/31/2015	380	0	0	0	0	380	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT000021 WATER EFFICIENCY PROGRAM</u></b>													
0	10 ICI INDOOR WATER AUDIT	01/01/2003	12/31/2016	300	0	0	300	0	0	0	0	0	0	0
0	11 PUBLIC EDUCATION & PROMOTIONS	01/01/2003	12/31/2016	150	0	0	150	0	0	0	0	0	0	0
0	12 ANCILLARY COSTS	01/01/2003	12/31/2016	70	0	0	70	0	0	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>520</b>	<b>0</b>	<b>0</b>	<b>520</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT000340 ISLAND PLANT WINTERIZATION</u></b>													
0	1 PLANT WINTERIZATION & SUMMERIZATION	01/01/2009	12/31/2014	444	0	0	0	0	444	0	0	0	0	0
0	14 PLANT WINTERIZATION & SUMMERIZATION-2015 SC	01/01/2015	12/31/2024	-388	0	0	0	0	-388	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT000363 ENGINEERING STUDIES</u></b>													
0	2 IMPROVED TREATMENT STUDIES	05/01/2007	12/31/2014	413	0	0	0	0	413	0	0	0	0	0
0	18 Controlled Substances ID and Abatement	08/04/2006	12/31/2015	200	0	0	0	0	200	0	0	0	0	0
0	31 ENERGY EFFICIENCY IMPLEMENTATION	01/01/2014	12/31/2023	106	0	0	0	0	106	0	0	0	0	0
0	38 CORROSION CONTROL	01/01/2011	12/31/2014	1,401	0	0	85	0	1,316	0	0	0	0	0
0	59 CORROSION CONTROL - 2015 SC	01/01/2015	12/31/2024	-552	0	0	-33	0	-519	0	0	0	0	0
0	60 IMPROVED TREATMENT STUDIES - 2015 SC	01/01/2015	12/31/2024	27	0	0	0	0	27	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

Project/Financing		Start Date	Completion Date	2015 Cash Flow	Financing									
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0 WAT000363 ENGINEERING STUDIES</b>														
0	61 ENERGY EFFICIENCY IMPLEMENTATION-2015 SC	01/01/2015	12/31/2024	52	0	0	0	0	52	0	0	0	0	0
<b>Project Sub-total:</b>				1,647	0	0	52	0	1,595	0	0	0	0	0
<b>0 WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</b>														
0	7 NETWORK EQUIPMENT REPLACEMENT	01/01/2008	12/31/2021	1,545	0	0	0	0	1,545	0	0	0	0	0
0	8 NETWORK CABLE LIFECYCLE REPLACEMENT	01/01/2008	12/31/2014	5,816	0	0	0	0	5,816	0	0	0	0	0
0	12 PCS LEGACY ALARM IMPROVEMENT	01/01/2014	12/31/2023	1,350	0	0	0	0	1,350	0	0	0	0	0
0	23 RELIABILITY IMPROVEMENT PROGRAM	01/01/2013	12/31/2022	200	0	0	0	0	200	0	0	0	0	0
0	41 BUSINESS & TECH IMPROVEMENT - PHASE 2	01/01/2012	12/31/2014	2,732	0	0	0	0	2,732	0	0	0	0	0
0	42 WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEM	01/01/2012	12/31/2013	3,727	0	0	0	0	3,727	0	0	0	0	0
0	63 NETWORK CABLE LIFE CYCLE REPLACEMENT - 2015 SC	01/01/2015	12/31/2024	-4,281	0	0	0	0	-4,281	0	0	0	0	0
0	64 RELIABILITY IMPROVEMENT PROGRAM - 2015 SC	01/01/2015	12/31/2024	685	0	0	0	0	685	0	0	0	0	0
0	65 SCADA UPGRADES FOR WWT - 2015 SC	01/01/2015	12/31/2024	-125	0	0	0	0	-125	0	0	0	0	0
0	66 PCS UPGRADES FOR WATER SUPPLY - 2015 SC	01/01/2015	12/31/2024	-1,657	0	0	0	0	-1,657	0	0	0	0	0
0	67 SCADA UPGRADES FOR WWT - II	01/01/2015	12/31/2024	501	0	0	0	0	501	0	0	0	0	0
0	68 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT-2015	01/01/2015	12/31/2024	-1,165	0	0	0	0	-1,165	0	0	0	0	0
0	69 PCS LEGACY ALARM IMPROVEMENT -2015 SC	01/01/2015	12/31/2024	-600	0	0	0	0	-600	0	0	0	0	0
0	70 TRUNK RADIO SYSTEM - HYDRO PARTNERSHIP	01/01/2015	12/31/2024	1,600	0	0	0	0	1,600	0	0	0	0	0
<b>Project Sub-total:</b>				10,328	0	0	0	0	10,328	0	0	0	0	0
<b>0 WAT906340 METERING &amp; METER READING SYS</b>														
0	2 AUTOMATED METER READING SYSTEM	10/15/2007	12/31/2016	45,656	0	0	0	0	45,656	0	0	0	0	0
0	14 AUTOMATED METER READING SYSTEM - 2015 SC	01/01/2015	12/31/2024	-18,736	0	0	0	0	-18,736	0	0	0	0	0
<b>Project Sub-total:</b>				26,920	0	0	0	0	26,920	0	0	0	0	0
<b>0 WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</b>														
0	2 AVENUE RD WM CONSTRUCTION - HI LEVEL TO LAWREN	07/01/2009	06/30/2014	1,310	0	0	660	0	405	0	0	245	0	0
0	6 JOS-AVENUE RD WM ENG-HI LEVEL-LAWRENCE	01/01/2012	12/31/2015	39	0	0	20	0	12	0	0	7	0	0
0	26 JOS-AVENUE RD WM CONS-HI LEVEL-LAWRENCE - 2015	01/01/2015	12/31/2024	-995	0	0	-501	0	-308	0	0	-186	0	0
<b>Project Sub-total:</b>				354	0	0	179	0	109	0	0	66	0	0
<b>0 WAT906468 HORGAN TRUNK MAIN EXPANSION</b>														
0	1 JOS - HORGAN TO ELLESMERE WM - ENGINEERING	01/01/2003	12/31/2018	402	0	0	153	0	119	0	0	130	0	0
0	3 HORGAN TO ELLESMERE - CONSTRUCTION	01/01/2006	12/31/2018	500	0	0	190	0	148	0	0	162	0	0
0	41 JOS - HORGAN TO ELLESMERE WM - ENG - 2015 SC	01/01/2015	12/31/2024	498	0	0	189	0	147	0	0	162	0	0
0	42 JOS - HORGAN TO ELLESMERE WM - CONS - 2015 SC	01/01/2015	12/31/2024	-500	0	0	-190	0	-148	0	0	-162	0	0
<b>Project Sub-total:</b>				900	0	0	342	0	266	0	0	292	0	0



(Phase 5) 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

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Water Program  
Sub-Project Summary

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAT906470</b>	<b>ISLAND W.T.P. R&amp;R</b>													
0	8	CHEMICAL & RESIDUALS MNGT - ENG	01/01/2012	12/31/2021	700	0	0	0	0	700	0	0	0	0	0
0	11	CHEMICAL & RESIDUALS MANAGMENT CONST	01/01/2015	12/31/2024	150	0	0	9	0	141	0	0	0	0	0
0	27	CHEMICAL & RESIDUALS MANAGMENT ENG - 2015 SC	01/01/2015	12/31/2024	-131	0	0	0	0	-131	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>719</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>710</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906471</b>	<b>FJ HORGAN W.T.P. R&amp;R</b>													
0	24	HVAC REHAB & SCRUBBER ENGINEERING	01/01/2015	12/31/2024	84	0	0	0	0	84	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906481</b>	<b>DISTRICT WATERMAINS - NEW</b>													
0	1	DIST W/MAINS NEW	01/01/2004	12/31/2013	350	0	0	0	0	350	0	0	0	0	0
0	13	DIST W/MAINS NEW - 2015 SC	07/02/2014	07/02/2014	-248	0	0	102	0	-350	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>102</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906483</b>	<b>PW ENGINEERING</b>													
0	2	CAPITAL PRGMG & FACILITY ASSET PLANNING	01/01/2004	06/30/2014	992	0	0	0	0	992	0	0	0	0	0
0	5	WATERMAIN ASSET PLANNING	01/01/2007	12/31/2015	1,409	0	0	352	0	1,057	0	0	0	0	0
0	7	EASEMENT ACQUISITION	01/03/2007	12/31/2015	175	0	0	0	0	175	0	0	0	0	0
0	22	WATER LOSS REDUCTION STRATEGY	01/01/2012	12/31/2013	588	0	0	0	0	588	0	0	0	0	0
0	49	CAPITAL PROG & FACILITY ASSET PLANNING - 2015 SC	01/01/2015	12/31/2024	220	0	0	0	0	220	0	0	0	0	0
0	50	WATERMAIN ASSET PLANNING - 2015 SC	01/01/2015	12/31/2024	-493	0	0	-123	0	-370	0	0	0	0	0
0	51	EASEMENT ACQUISITION - 2015 SC	01/01/2015	12/31/2024	125	0	0	0	0	125	0	0	0	0	0
0	52	JOS UPDATE PHASE II	01/01/2015	12/31/2024	500	0	0	0	0	500	0	0	0	0	0
0	54	WATER LOSS REDUCTION STRATEGY-2015 SC	01/01/2015	12/31/2024	-126	0	0	0	0	-126	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>3,390</b>	<b>0</b>	<b>0</b>	<b>229</b>	<b>0</b>	<b>3,161</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906749</b>	<b>DOWNTOWN W/M ENHANCEMENT</b>													
0	1	JOS - GERRARD ST WM - ENGINEERING	03/01/2005	12/31/2017	378	0	0	75	0	14	0	0	289	0	0
0	4	JOS - GERRARD ST WM - CONSTRUCTION	01/01/2009	12/31/2015	13,920	0	0	2,771	0	504	0	0	10,645	0	0
0	38	JOS - GERRARD ST WM - CONSTRUCTION -2015 SC	01/01/2015	12/31/2024	-2,736	0	0	-544	0	-99	0	0	-2,093	0	0
0	39	JOS - GERRARD ST WM - ENGINEERING- 2015 SC	01/01/2015	12/31/2024	370	0	0	74	0	13	0	0	283	0	0
		<b>Project Sub-total:</b>			<b>11,932</b>	<b>0</b>	<b>0</b>	<b>2,376</b>	<b>0</b>	<b>432</b>	<b>0</b>	<b>0</b>	<b>9,124</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906752</b>	<b>TRANSMISSION R&amp;R</b>													
0	49	TRUNK WATERMAIN REHAB	01/01/2013	12/31/2015	250	0	0	0	0	250	0	0	0	0	0
0	51	CAST IRON TRUNK REPLC - PHASE 2	10/09/2012	10/09/2012	5,088	0	0	0	0	5,088	0	0	0	0	0
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	01/01/2014	12/31/2023	600	0	0	0	0	600	0	0	0	0	0
0	63	TRUNK WATERMAIN REHAB - 2015 SC	01/01/2015	12/31/2024	445	0	0	0	0	445	0	0	0	0	0

(Phase 5) 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



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<b>0</b>	<b><u>WAT906752 TRANSMISSION R&amp;R</u></b>													
0	64 CAST IRON TRUNK REPLC - PHASE 2 - 2015 SC	01/01/2015	12/31/2024	4,154	0	0	0	0	4,154	0	0	0	0	0
0	65 CAST IRON TRUNK REPLC - PHASE 3 - ENG - 2015 SC	01/01/2015	12/31/2024	350	0	0	0	0	350	0	0	0	0	0
0	67 TRANSF & SW GEAR REPLACMENT DESIGN -2015 SC	01/01/2015	12/31/2024	165	0	0	0	0	165	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>11,052</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,052</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT906900 TRANSMISSION R&amp;R</u></b>													
0	1 TRANS FACILITIES REHAB	01/01/2006	12/31/2013	150	0	0	0	0	150	0	0	0	0	0
0	6 ELLESMERE P.S. UPGRADE	01/01/2009	12/31/2016	25	0	0	6	0	3	0	0	16	0	0
0	26 SCARBOROUGH PS - PUMP REPLC	01/01/2013	12/31/2015	550	0	0	0	0	550	0	0	0	0	0
0	27 EGLINTON PS -PUMP REPLC	01/01/2013	12/31/2015	2,250	0	0	0	0	2,250	0	0	0	0	0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECT	01/01/2014	12/31/2023	5,250	0	0	0	0	5,250	0	0	0	0	0
0	37 TRANS FACILITIES REHAB - 2015 SC	01/01/2015	12/31/2024	90	0	0	0	0	90	0	0	0	0	0
0	38 ELLESMERE P.S. UPGRADE - 2015 SC	01/01/2015	12/31/2024	-25	0	0	-6	0	-3	0	0	-16	0	0
0	39 SCARBOROUGH PS - PUMP REPLC - 2015 SC	01/01/2015	12/31/2024	-95	0	0	0	0	-95	0	0	0	0	0
0	40 EGLINTON PS - PUMP REPLC - 2015 SC	01/01/2015	12/31/2024	-383	0	0	0	0	-383	0	0	0	0	0
0	41 ST CLAIR RES REHAB/WATER QUALITY PROTECTION-201	01/01/2015	12/31/2024	1,910	0	0	0	0	1,910	0	0	0	0	0
0	48 ROSEHILL RESERVOIR	01/01/2015	12/31/2024	600	0	0	0	0	600	0	0	0	0	0
0	49 DOWNSVIEW PS & CONNECTOR	01/01/2015	12/31/2024	50	0	0	0	0	50	0	0	0	0	0
0	50 PARKDALE PS REHABILITATION	01/01/2015	12/31/2024	500	0	0	0	0	500	0	0	0	0	0
0	51 ROSEHILL PS REHAB	01/01/2015	12/31/2024	50	0	0	0	0	50	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>10,922</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,922</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAT906902 HARRIS W.T.P. R&amp;R</u></b>													
0	2 BUILDING ENVELOPE REHAB	01/01/2006	12/31/2014	23	0	0	0	0	23	0	0	0	0	0
0	3 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2016	500	0	0	0	0	500	0	0	0	0	0
0	13 FILTER MEDIA REPLACEMENT PH2	01/01/2009	12/31/2016	80	0	0	0	0	80	0	0	0	0	0
0	21 HVAC REHAB - CONSTRUCTION	01/01/2012	12/31/2016	1,676	0	0	0	0	1,676	0	0	0	0	0
0	29 HARRIS FILTERS REHABILITATION	01/01/2015	12/31/2024	100	0	0	0	0	100	0	0	0	0	0
0	56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2013	12/31/2016	11,016	0	0	0	0	11,016	0	0	0	0	0
0	74 FILTER MEDIA UPGRADE - 2015 SC	01/01/2015	12/31/2024	-80	0	0	0	0	-80	0	0	0	0	0
0	75 HVAC REHAB CONSTRUCTION - 2015 SC	01/01/2015	12/31/2024	-1,396	0	0	0	0	-1,396	0	0	0	0	0
0	77 REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2015	01/01/2015	12/31/2024	-5,541	0	0	0	0	-5,541	0	0	0	0	0
0	79 EXTERIOR SECURITY LIGHTING UPGRADES	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
0	81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015	12/31/2024	100	0	0	0	0	100	0	0	0	0	0
0	82 PD2 OPTIMIZATION	01/01/2015	12/31/2024	500	0	0	0	0	500	0	0	0	0	0
0	83 FACILITY & PROCESS UPGRADES-2015 SC	01/01/2015	12/31/2024	-50	0	0	0	0	-50	0	0	0	0	0

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<b>0</b>	<b>WAT906902</b>	<b>HARRIS W.T.P. R&amp;R</b>													
0	86	BUILDING ENVELOPE REHAB- 2015 SC	01/01/2015	12/31/2024	-10	0	0	0	0	-10	0	0	0	0	0
0	87	LIQUID CHEMICAL SYSTEM RELOCATION- 2015 SC	01/01/2015	12/31/2024	8	0	0	0	0	8	0	0	0	0	0
0	88	TRAVELLING SCREEN REPLACEMENT	01/01/2015	12/31/2024	61	0	0	0	0	61	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>7,187</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,187</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906903</b>	<b>FJ HORGAN W.T.P. R&amp;R</b>													
0	5	FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2014	1,579	0	0	0	0	1,579	0	0	0	0	0
0	8	RAW WATER PUMP UPGRADES	01/01/2013	12/31/2015	540	0	0	0	0	540	0	0	0	0	0
0	15	REPLACEMENT OF MCCS	01/01/2012	12/31/2016	1,570	0	0	0	0	1,570	0	0	0	0	0
0	16	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	01/01/2013	12/31/2016	550	0	0	0	0	550	0	0	0	0	0
0	32	ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	01/01/2015	12/31/2024	150	0	0	0	0	150	0	0	0	0	0
0	34	TREATED WATER PUMP UPGRADES	01/01/2015	12/31/2024	500	0	0	0	0	500	0	0	0	0	0
0	35	FACILITY & PROCESS UPGRADES-2015 SC	01/01/2015	12/31/2024	-906	0	0	0	0	-906	0	0	0	0	0
0	36	REPLACEMENT OF MCCS-2015 SC	01/01/2015	12/31/2024	-1,120	0	0	0	0	-1,120	0	0	0	0	0
0	37	RAW WATER PUMP UGRADES-2015 SC	01/01/2015	12/31/2024	49	0	0	0	0	49	0	0	0	0	0
0	38	OFFSHORE CHLORINATION RELOCATION-2015 SC	01/01/2015	12/31/2024	-500	0	0	0	0	-500	0	0	0	0	0
0	39	ACCESS ROAD REPAVING	01/01/2015	12/31/2024	1,000	0	0	0	0	1,000	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>3,412</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,412</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906906</b>	<b>TRUNK WATERMAIN EXPANSION</b>													
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/2012	12/31/2016	1,000	0	0	479	0	294	0	0	227	0	0
0	65	JOS - WM Scar PS to St Clair&Midland ENG - 2015 SC	01/01/2015	12/31/2024	-600	0	0	-287	0	-177	0	0	-136	0	0
		<b>Project Sub-total:</b>			<b>400</b>	<b>0</b>	<b>0</b>	<b>192</b>	<b>0</b>	<b>117</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906914</b>	<b>SWITCH GEAR TRANSFORMER</b>													
0	13	INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	01/01/2012	12/31/2015	6,825	0	0	0	0	6,825	0	0	0	0	0
0	27	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3) - 2015 SC	01/01/2015	12/31/2024	-1,825	0	0	0	0	-1,825	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906918</b>	<b>WATER SUSTAINABILITY PROGRAM</b>													
0	1	WATER SUSTAINABILITY PROGRAM	01/01/2012	12/31/2013	2,600	0	0	158	0	2,442	0	0	0	0	0
0	9	WATER SUSTAINABILITY STANDBY POWER ELLESMERE-	01/01/2015	12/31/2024	-1,380	0	0	-84	0	-1,296	0	0	0	0	0
0	12	STANDBY POWER - ROSEHILL	01/01/2015	12/31/2024	150	0	0	0	0	150	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>1,370</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>0</b>	<b>1,296</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAT906919</b>	<b>RL CLARK W.T.P. R&amp;R</b>													
0	1	FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2013	170	0	0	0	0	170	0	0	0	0	0
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	08/08/2006	12/31/2017	1,419	0	0	87	0	1,332	0	0	0	0	0



CITY OF TORONTO

Appendix 5: 2015 Council Approved Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>		<b><u>WAT906919</u></b>		<b><u>RL CLARK W.T.P. R&amp;R</u></b>											
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/2010	12/31/2021	14,893	0	0	906	0	13,987	0	0	0	0	0
0	44	EVALUATION & COMMUNICATION SYSTEMS	01/01/2013	12/31/2015	1,314	0	0	0	0	1,314	0	0	0	0	0
0	53	FACILITY & PROCESS UPGRADES - 2015 SC	01/01/2015	12/31/2024	10	0	0	0	0	10	0	0	0	0	0
0	54	PROCESS EQUIPMENT UPGRADE ENGINEERING - 2015 S	01/01/2015	12/31/2024	-744	0	0	-46	0	-698	0	0	0	0	0
0	55	PROCESS EQUIPMENT UPGRADE CONSTRUCTION - 2015	01/01/2015	12/31/2024	-4,893	0	0	-298	0	-4,595	0	0	0	0	0
0	56	EVACUATION AND COMMUNICATION SYSTEMS - 2015 SC	01/01/2015	12/31/2024	225	0	0	0	0	225	0	0	0	0	0
0	57	ELECTRICAL AND HVAC UPGRADES CONSTRUCTION	01/01/2015	12/31/2024	250	0	0	0	0	250	0	0	0	0	0
<b>Project Sub-total:</b>					<b>12,644</b>	<b>0</b>	<b>0</b>	<b>649</b>	<b>0</b>	<b>11,995</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAT906930</u></b>		<b><u>DIST W/M REPLACEMENT</u></b>											
0	15	W/M REPLACEMENT - STAND ALONE	01/01/2013	12/31/2014	3,208	0	0	0	0	3,208	0	0	0	0	0
0	29	DIST W/M REPLACEMENT - 2012	05/27/2011	12/01/2013	3,125	0	0	0	0	3,125	0	0	0	0	0
0	39	DIST W/M REPLACEMENT 2013	01/01/2013	12/31/2014	4,450	0	0	0	0	4,450	0	0	0	0	0
0	51	DIST W/M REPLACEMENT - 2014	01/01/2014	12/31/2023	18,469	0	0	0	0	18,469	0	0	0	0	0
0	52	WATERMAIN UPGRADES - 2014	01/01/2014	12/31/2023	5,490	0	0	0	0	5,490	0	0	0	0	0
0	55	WATERMAIN REPLACEMENT - METROLINX	01/01/2014	12/31/2023	625	0	0	0	0	625	0	0	0	0	0
0	57	2010 WM REPLC - 2015 SC	01/01/2015	12/31/2024	6	0	0	0	0	6	0	0	0	0	0
0	58	WM REPLC - STANDALONE - 2015 SC	01/01/2015	12/31/2024	-1,691	0	0	0	0	-1,691	0	0	0	0	0
0	59	2013 WM REPLC - UPGRADES	01/01/2015	12/31/2024	14	0	0	4	0	10	0	0	0	0	0
0	60	DIST W/M REPLACEMENT - 2014 - 2015 SC	01/01/2015	12/31/2024	-4,999	0	0	0	0	-4,999	0	0	0	0	0
0	61	WATERMAIN UPGRADES - 2014 - 2015 SC	01/01/2015	12/31/2024	-404	0	0	0	0	-404	0	0	0	0	0
0	62	WATERMAIN REPLACEMENT - METROLINX - 2015 SC	01/01/2015	12/31/2024	-575	0	0	0	0	-575	0	0	0	0	0
0	63	DIST W/M REPLACEMENT - 2015	01/01/2015	12/31/2024	33,994	0	0	5,286	0	28,708	0	0	0	0	0
0	64	WATERMAIN UPGRADES - 2015	01/01/2015	12/31/2024	6,609	0	0	2,056	0	4,553	0	0	0	0	0
0	65	DIST W/M REPLC - 2012-2015 SC	01/01/2015	12/31/2024	-1,575	0	0	0	0	-1,575	0	0	0	0	0
0	66	2013 WM REPLC - SOGR-2015 SC	01/01/2015	12/31/2024	-4,423	0	0	0	0	-4,423	0	0	0	0	0
<b>Project Sub-total:</b>					<b>62,323</b>	<b>0</b>	<b>0</b>	<b>7,346</b>	<b>0</b>	<b>54,977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAT906932</u></b>		<b><u>DIST W/M REHABILITATION</u></b>											
0	4	Hydrant & Valve Repair	01/01/2007	12/31/2013	1,197	0	0	0	0	1,197	0	0	0	0	0
0	6	WATERMAIN STRUCTURAL LINING	08/03/2006	12/31/2013	24,173	0	0	0	0	24,173	0	0	0	0	0
0	7	CATHODIC PROTECTION	01/01/2012	12/31/2013	4,200	0	0	0	0	4,200	0	0	0	0	0
0	30	CUT REPAIRS	01/01/2010	12/31/2010	4,371	0	0	0	0	4,371	0	0	0	0	0
0	42	CUT-REPAIR - 2015 SC	01/01/2015	12/31/2024	-1,606	0	0	0	0	-1,606	0	0	0	0	0
0	43	CATHODIC PROTECTION - 2015 SC	01/01/2015	12/31/2024	-103	0	0	0	0	-103	0	0	0	0	0
0	44	HYDRANT & VALVE REPAIR-2015 SC	01/01/2015	12/31/2024	553	0	0	0	0	553	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail**

**Water Program  
Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2015 Cash Flow	Financing									
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0 WAT906932 DIST W/M REHABILITATION</b>														
0	45 WATERMAIN STRUCTURAL LINING-2015 SC	01/01/2015	12/31/2024	18,003	0	0	0	0	18,003	0	0	0	0	0
<b>Project Sub-total:</b>				50,788	0	0	0	0	50,788	0	0	0	0	0
<b>0 WAT906934 DIST WATER SERVICE REPAIR</b>														
0	12 ALL DISTRICT WSR - LEAD REPLACEMENT	01/01/2008	12/31/2013	7,174	0	0	0	0	7,174	0	0	0	0	0
0	19 2010 WSR	01/01/2015	12/31/2024	219	0	0	0	0	219	0	0	0	0	0
0	32 WSR CUT REPAIRS	01/01/2013	12/31/2013	2,186	0	0	0	0	2,186	0	0	0	0	0
0	39 2012 WATER SERVICE REPLACEMENT	01/01/2012	12/31/2013	50	0	0	0	0	50	0	0	0	0	0
0	41 2013 WATER SERVICE REPLACEMENT - SOGR	01/01/2013	12/31/2014	2,631	0	0	0	0	2,631	0	0	0	0	0
0	52 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014	12/31/2023	4,711	0	0	0	0	4,711	0	0	0	0	0
0	58 WSR CUT REPAIR - 2015 SC	01/01/2015	12/31/2024	-86	0	0	0	0	-86	0	0	0	0	0
0	59 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015	12/31/2024	4,500	0	0	0	0	4,500	0	0	0	0	0
0	60 WATER SERVICE REPAIR - LEAD PROGRAM-2015 SC	01/01/2015	12/31/2024	5,004	0	0	0	0	5,004	0	0	0	0	0
0	61 2012 WATER SERVICE REPLC - SOGR-2015 SC	01/01/2015	12/31/2024	-50	0	0	0	0	-50	0	0	0	0	0
0	62 2013 WSR-2015 SC	01/01/2015	12/31/2024	-2,550	0	0	0	0	-2,550	0	0	0	0	0
0	63 2014 WATER SERVICE REPLACEMENT - SOGR-2015 SC	01/01/2015	12/31/2024	-926	0	0	0	0	-926	0	0	0	0	0
0	64 WSR - STANDALONE- 2015 SC	01/01/2015	12/31/2024	71	0	0	0	0	71	0	0	0	0	0
<b>Project Sub-total:</b>				22,934	0	0	0	0	22,934	0	0	0	0	0
<b>0 WAT906935 NEW SERVICE CONNECTIONS</b>														
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2009	12/31/2013	3,500	0	0	0	0	3,500	0	0	0	0	0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/2010	12/31/2013	14,000	0	0	0	0	14,000	0	0	0	0	0
0	18 NEW SERVICE CONNECTIONS - SITE SERVICING - 2015 SC	01/01/2015	12/31/2024	8,002	0	0	0	0	8,002	0	0	0	0	0
0	19 NEW SERVICE CONNECTIONS - CUT REPAIRS - 2015 SC	01/01/2015	12/31/2024	580	0	0	0	0	580	0	0	0	0	0
<b>Project Sub-total:</b>				26,082	0	0	0	0	26,082	0	0	0	0	0
<b>0 WAT906951 ENGINEERING</b>														
0	2 CONSULTING FEES	01/01/2006	12/31/2015	2,975	0	0	0	0	2,975	0	0	0	0	0
0	45 ECS SALARIES	01/01/2014	12/31/2022	12,199	0	0	0	0	12,199	0	0	0	0	0
0	51 ROAD RESTORATION - 2015 SC	01/01/2015	12/31/2024	5,962	0	0	0	0	5,962	0	0	0	0	0
0	52 CONSULTING FEES - 2015 SC	01/01/2015	12/31/2024	6,570	0	0	0	0	6,570	0	0	0	0	0
0	53 LEGAL SERVICES SALARIES - 2015 SC	01/01/2015	12/31/2024	197	0	0	0	0	197	0	0	0	0	0
0	56 PPFA SALARIES	01/01/2015	12/31/2024	2,292	0	0	0	0	2,292	0	0	0	0	0
<b>Project Sub-total:</b>				30,195	0	0	0	0	30,195	0	0	0	0	0
<b>0 WAT906977 ISLAND W.T.P. R&amp;R</b>														
0	1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2016	1,278	0	0	0	0	1,278	0	0	0	0	0



**CITY OF TORONTO**  
**Appendix 5: 2015 Council Approved Capital Budget with Financing Detail**  
**Water Program**  
**Sub-Project Summary**

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAT906977</b>	<b>ISLAND W.T.P. R&amp;R</b>													
0	12	FACILITY UPGRADE - FORMER MARINE YARD	01/01/2014	12/31/2023	1,840	0	0	0	0	1,840	0	0	0	0	0
0	25	ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009	12/31/2012	559	0	0	34	0	525	0	0	0	0	0
0	32	TRAVELLING SCREEN REPLACEMENT	01/01/2015	12/31/2024	655	0	0	0	0	655	0	0	0	0	0
0	33	ISLAND SEAWALL REHABILITATION	01/01/2014	12/31/2023	109	0	0	0	0	109	0	0	0	0	0
0	44	ISLAND ENWAVE/RETROFIT PROJECT	01/01/2013	12/31/2014	260	0	0	0	0	260	0	0	0	0	0
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	01/01/2014	12/31/2023	955	0	0	0	0	955	0	0	0	0	0
0	51	CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUTION	01/01/2014	12/31/2023	500	0	0	0	0	500	0	0	0	0	0
0	62	FACILITY & PROCESS UPGRADES - 2015 SC	01/01/2015	12/31/2024	-150	0	0	0	0	-150	0	0	0	0	0
0	63	ISLAND FILTER AIR SCOUR SYSTEM - 2015 SC	01/01/2015	12/31/2024	-400	0	0	-24	0	-376	0	0	0	0	0
0	64	FACILITY UPGRADE - FORMER MARINE YARD - 2015 SC	01/01/2015	12/31/2024	-640	0	0	0	0	-640	0	0	0	0	0
0	65	ISLAND ENWAVE/RETROFIT PROJECT - 2015 SC	01/01/2015	12/31/2024	-210	0	0	0	0	-210	0	0	0	0	0
0	67	AMMONIA AND FLOURIDE SYSTEM UPGRADES - 2015 SC	01/01/2015	12/31/2024	-705	0	0	0	0	-705	0	0	0	0	0
0	68	CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION - 2015 SC	01/01/2015	12/31/2024	-400	0	0	0	0	-400	0	0	0	0	0
0	69	Generators` DR3 Program	01/01/2015	12/31/2024	75	0	0	0	0	75	0	0	0	0	0
0	70	PLANTWIDE HVAC UPGRADES	01/01/2015	12/31/2024	15	0	0	0	0	15	0	0	0	0	0
0	71	ISLAND SEAWALL REHAB- 2015 SC	01/01/2015	12/31/2024	14	0	0	0	0	14	0	0	0	0	0
		<b>Project Sub-total:</b>			3,755	0	0	10	0	3,745	0	0	0	0	0
<b>0</b>	<b>WAT907353</b>	<b>LAWRENCE ALLAN REVITALIZATION PLAN</b>													
0	1	LAWRENCE ALLAN REVITALIZATION PLAN-INFRASTRUC	01/01/2013	12/31/2022	3,740	0	0	3,740	0	0	0	0	0	0	0
0	2	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL SEV	10/30/2012	10/30/2012	2,864	0	0	2,864	0	0	0	0	0	0	0
0	5	LAWRENCE ALLAN REVITALIZATION PLAN-INTER - 2015 S	01/01/2014	12/31/2023	-72	0	0	-72	0	0	0	0	0	0	0
0	6	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL-201	11/13/2014	11/13/2014	-61	0	0	-61	0	0	0	0	0	0	0
		<b>Project Sub-total:</b>			6,471	0	0	6,471	0	0	0	0	0	0	0
<b>0</b>	<b>WAT907558</b>	<b>REGENT PARK CAPITAL CONTRIBUTION</b>													
0	1	REGENT PARK CAPITAL CONTRIBUTION	08/17/2009	12/31/2021	907	0	0	0	0	907	0	0	0	0	0
0	9	REGENT PARK CAPITAL CONTRIBUTION - 2015 SC	01/01/2015	12/31/2024	308	0	0	0	0	308	0	0	0	0	0
		<b>Project Sub-total:</b>			1,215	0	0	0	0	1,215	0	0	0	0	0
<b>0</b>	<b>WAT907946</b>	<b>BUSINESS IT PROJECTS</b>													
0	1	BUSINESS INTELLIGENCE INITIATIVES	01/01/2012	12/31/2016	280	0	0	0	0	280	0	0	0	0	0
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014	12/31/2023	1,968	0	0	0	0	1,968	0	0	0	0	0
0	10	ENTERPRISE WORK MANAGEMENT SYSTEM PROJ - 2015	01/01/2015	12/31/2024	-1,144	0	0	0	0	-1,144	0	0	0	0	0
0	11	BUSINESS INTELLIGENCE INITIATIVES-2015 SC	01/01/2015	12/31/2024	-221	0	0	0	0	-221	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail**  
**Water Program**  
**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2015	Financing								
Priority	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
<b>0</b>	<b><u>WAT907946 BUSINESS IT PROJECTS</u></b>												
0	12 EDOCS- 2015 SC	01/01/2015	12/31/2024	150	0	0	0	0	150	0	0	0	0
	<b>Project Sub-total:</b>			1,033	0	0	0	0	1,033	0	0	0	0
<b>0</b>	<b><u>WAT908087 TRUNK WATERMAIN</u></b>												
0	1 TRANSMISSION SYSTEM AUTOMATION	06/30/2014	06/30/2014	250	0	0	0	0	250	0	0	0	0
0	6 3RD PARTY RELOCATIONS (METROLINX)	01/01/2015	12/31/2024	500	0	0	0	0	500	0	0	0	0
	<b>Project Sub-total:</b>			750	0	0	0	0	750	0	0	0	0
<b>Program Total:</b>				318,558	0	0	19,761	0	288,850	0	0	9,947	0

**Status Code Description**  
 S2 S2 Prior Year (With 2015 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2015 and/or Future Year Cost(Cashflow)  
 S4 S4 New - Stand-Alone Project (Current Year Only)  
 S5 S5 New (On-going or Phased Projects)

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

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail  
Wastewater Program  
Sub-Project Summary**

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2015	Financing									
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS000007 ASHBRIDGES BAY WWTP REHAB</b>													
0	17 STANDBY POWER GENERATION	01/01/2010	12/31/2015	4,073	0	0	328	0	3,745	0	0	0	0	0
0	19 FERROUS UPGRADES	01/01/2012	12/31/2017	475	0	0	38	0	437	0	0	0	0	0
0	30 ELECTRICAL REHAB	01/01/2010	12/31/2015	6,611	0	0	0	0	6,611	0	0	0	0	0
0	41 POLYMER UPGRADE	01/01/2012	12/31/2016	825	0	0	0	0	825	0	0	0	0	0
0	46 Rehab of Grounds and Buildings	01/01/2010	12/31/2015	25	0	0	0	0	25	0	0	0	0	0
0	47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2010	12/31/2019	2,791	0	0	225	0	2,566	0	0	0	0	0
0	49 PROCESS UPGRADES AND ODOUR CONTROL ENGINEER	01/01/2010	12/31/2016	1,000	0	0	80	0	920	0	0	0	0	0
0	189 PROCESS AND EQUIPMENT	01/01/2013	12/31/2016	3,191	0	0	0	0	3,191	0	0	0	0	0
0	190 FACILITY AND GROUNDS	01/01/2013	12/31/2018	2,013	0	0	0	0	2,013	0	0	0	0	0
0	215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014	12/31/2023	3,800	0	0	0	0	3,800	0	0	0	0	0
0	216 OPERATIONS CENTRE - ENGINEERING	01/01/2014	12/31/2023	700	0	0	0	0	700	0	0	0	0	0
0	218 FERROUS UPGRADES - 2015 SC	01/01/2015	12/31/2024	-225	0	0	-18	0	-207	0	0	0	0	0
0	219 PROCESS AND EQUIPMENT - 2015 SC	01/01/2015	12/31/2024	-596	0	0	0	0	-596	0	0	0	0	0
0	220 GROUND AND FACILITIES - 2015 SC	01/01/2015	12/31/2024	869	0	0	0	0	869	0	0	0	0	0
0	221 POLYMER UPGRADE - 2015 SC	01/01/2015	12/31/2024	-325	0	0	0	0	-325	0	0	0	0	0
0	222 DIGESTERS CLEANING REHAB -TANKS 14&16&13 - 2015 S	01/01/2015	12/31/2024	-2,075	0	0	0	0	-2,075	0	0	0	0	0
0	224 BRIDGE UPGRADES	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
0	226 ABTP - ENVIRONMENTAL ASSESSMENT	01/01/2015	12/31/2024	150	0	0	0	0	150	0	0	0	0	0
0	227 AIR HEADER REHAB	01/01/2015	12/31/2024	100	0	0	0	0	100	0	0	0	0	0
0	228 BLOWER BUILDING MAINTENANCE SHOP	01/01/2015	12/31/2024	100	0	0	0	0	100	0	0	0	0	0
0	229 D BUILDING PHASE 2	01/01/2015	12/31/2024	150	0	0	0	0	150	0	0	0	0	0
0	231 HOT WATER LOOP MODIFICATIONS	01/01/2015	12/31/2024	100	0	0	0	0	100	0	0	0	0	0
0	232 STANDBY POWER GENERATION-2015 SC	01/01/2015	12/31/2024	-2,757	0	0	-222	0	-2,535	0	0	0	0	0
0	233 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2	01/01/2015	12/31/2024	-831	0	0	-67	0	-764	0	0	0	0	0
0	234 ELECTRICAL REHAB - ECAP-2015 SC	01/01/2015	12/31/2024	-738	0	0	0	0	-738	0	0	0	0	0
0	235 MOBILE GENERATORS-2015 SC	01/01/2015	12/31/2024	29	0	0	0	0	29	0	0	0	0	0
0	236 REHAB OF GROUNDS & BUILDINGS-2015 SC	01/01/2015	12/31/2024	-25	0	0	0	0	-25	0	0	0	0	0
0	237 PROCESS UPGRADES & ODOUR CONTROL ENG-2015 SC	01/01/2015	12/31/2024	280	0	0	23	0	257	0	0	0	0	0
0	238 SECURITY UPGRADES	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
0	240 OERATIONS CENTRE -ENGINEERING - 2015 SC	11/13/2014	11/13/2014	-300	0	0	0	0	-300	0	0	0	0	0
<b>Project Sub-total:</b>				<b>19,810</b>	<b>0</b>	<b>0</b>	<b>387</b>	<b>0</b>	<b>19,423</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>





**CITY OF TORONTO**

**Appendix 5: 2015 Council Approved Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing Priority Project Project Name		Start Date	Completion Date	2015	Financing									
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0 WAS000115 HUMBER T.P.</b>														
0	9 CO-GENERATION	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
<b>Project Sub-total:</b>				200	0	0	0	0	200	0	0	0	0	0
<b>0 WAS000259 TRUNK SEWER SYSTEM</b>														
0	15 TRUNK SEWVER REHAB-2012	01/01/2012	12/31/2015	6,078	0	0	0	0	6,078	0	0	0	0	0
0	23 TRUNK SEWER REHABILITATION	01/01/2010	12/31/2015	170	0	0	0	0	170	0	0	0	0	0
0	27 TRUNK SEWER REHABILITATION - 2014	01/01/2014	12/31/2023	12,965	0	0	0	0	12,965	0	0	0	0	0
0	34 KEELE TRUNK SEWER DESIGN & CONSTRUCTION	01/01/2014	12/31/2023	1,000	0	0	0	0	1,000	0	0	0	0	0
0	38 TRUNK SEWER REHABILITATION - 2012 - 2015 SC	01/01/2015	12/31/2024	7,751	0	0	0	0	7,751	0	0	0	0	0
0	39 TRUNK SEWER REHABILITATION - 2014 - 2015 SC	01/01/2015	12/31/2024	-35	0	0	0	0	-35	0	0	0	0	0
0	40 KEELE TRUNK SEWER DESIGN & CONSTRUCTION - 2015	01/01/2015	12/31/2024	-500	0	0	0	0	-500	0	0	0	0	0
0	41 TRUNK SEWER REHABILITATION-2015 SC	01/01/2015	12/31/2024	-147	0	0	0	0	-147	0	0	0	0	0
<b>Project Sub-total:</b>				27,282	0	0	0	0	27,282	0	0	0	0	0
<b>0 WAS000442 BASEMENT FLOODING RELIEF</b>														
0	8 BASEMENT FLOODING STUDIES & EAS	01/01/2006	12/31/2014	4,503	0	0	0	0	4,503	0	0	0	0	0
0	9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2014	12/31/2022	10,000	0	0	0	0	10,000	0	0	0	0	0
0	12 ROAD RESTORATION FOR BSMT FLDG	01/01/2013	12/31/2013	772	0	0	0	0	772	0	0	0	0	0
0	14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008	12/31/2013	1,888	0	0	0	0	1,888	0	0	0	0	0
0	18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2010	12/31/2017	5,900	0	0	0	0	5,900	0	0	0	0	0
0	19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/2014	12/31/2023	41,222	0	0	0	0	41,222	0	0	0	0	0
0	20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014	12/31/2023	3,000	0	0	0	0	3,000	0	0	0	0	0
0	29 BASEMENT FLOODING RELIEF - GROUP 1	09/25/2009	06/30/2014	9,710	0	0	0	0	9,710	0	0	0	0	0
0	68 BSMT FLOODING PROTECTION SUBSIDY PROG - 2015 SC	01/01/2015	12/31/2024	5,500	0	0	0	0	5,500	0	0	0	0	0
0	69 BASEMENT FLOODING STUDIES & EAS - 2015 SC	01/01/2015	12/31/2024	-2,757	0	0	0	0	-2,757	0	0	0	0	0
0	70 BASEMENT FLOODING RELIEF - GROUP 1 - 2015 SC	01/01/2015	12/31/2024	2,881	0	0	0	0	2,881	0	0	0	0	0
0	71 ROAD RESTORATION FOR BSMT FLDG PRJS - 2015 SC	01/01/2015	12/31/2024	408	0	0	0	0	408	0	0	0	0	0
0	72 BASEMENT FLOODING RELIEF-TUNNEL PROJ - 2015 SC	01/01/2015	12/31/2024	-9,485	0	0	0	0	-9,485	0	0	0	0	0
0	73 BASEMENT FLOODING RELIEF - GROUP 2 - 2015 SC	01/01/2015	12/31/2024	-11,832	0	0	0	0	-11,832	0	0	0	0	0
0	77 BASEMENT FLOODING DESIGN - GROUP 4	01/01/2015	12/31/2024	1,170	0	0	0	0	1,170	0	0	0	0	0
0	78 BASEMENT FLOODING DESIGN - GROUP 1-2015 SC	01/01/2015	12/31/2024	-363	0	0	0	0	-363	0	0	0	0	0
0	79 BASEMENT FLOODING DESIGN - GROUP 2-2015 SC	01/01/2015	12/31/2024	-1,350	0	0	0	0	-1,350	0	0	0	0	0
0	80 BASEMENT FLOODING DESIGN - GROUP 3-2015 SC	01/01/2015	12/31/2024	-752	0	0	0	0	-752	0	0	0	0	0
0	81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTA	01/01/2015	12/31/2024	3,500	0	0	0	0	3,500	0	0	0	0	0





**CITY OF TORONTO**  
**Appendix 5: 2015 Council Approved Capital Budget with Financing Detail**  
**Wastewater Program**  
**Sub-Project Summary**

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>		<b><u>WAS906487</u></b>		<b><u>HIGHLAND CREEK T.P. - IV YR2004</u></b>											
0		2 PCS PLANT SERVICES	01/01/2004	06/30/2014	108	0	0	9	0	99	0	0	0	0	0
0		20 PCS PLANT SERVICES-2015 SC	01/01/2015	12/31/2024	-45	0	0	-4	0	-41	0	0	0	0	0
<b>Project Sub-total:</b>					<b>63</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906488</u></b>		<b><u>HUMBER T.P. - II YR2004</u></b>											
0		2 PCS PLANT SERVICES	01/01/2004	12/31/2014	180	0	0	14	0	166	0	0	0	0	0
0		22 PCS PLANT SERVICES-2015 SC	01/01/2015	12/31/2024	-25	0	0	-2	0	-23	0	0	0	0	0
<b>Project Sub-total:</b>					<b>155</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906492</u></b>		<b><u>WET WEATHER FLOW MP</u></b>											
0		1 SWM INA-EA	01/01/2004	12/31/2021	610	0	0	49	0	561	0	0	0	0	0
0		2 WWFMP - PUBLIC EDUCATION	01/01/2004	12/31/2016	500	0	0	40	0	460	0	0	0	0	0
0		14 WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN	06/30/2009	12/31/2014	1,132	0	0	92	0	1,040	0	0	0	0	0
0		44 SWM CONVEYANCE 2013	01/01/2014	12/31/2023	319	0	0	26	0	293	0	0	0	0	0
0		51 SWM CONVEYANCE 2014	01/01/2014	12/31/2023	4,299	0	0	0	0	4,299	0	0	0	0	0
0		57 SWM CONVEYANCE 2014 - 2015 SC	01/01/2015	12/31/2024	-2,048	0	0	0	0	-2,048	0	0	0	0	0
0		58 SWM CONVEYANCE 2015	01/01/2015	12/31/2024	1,034	0	0	0	0	1,034	0	0	0	0	0
0		59 STORM WATER POND ASSESSMENT & CLEANING	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
0		60 Ashbridges Bay Landforms	01/01/2015	12/31/2024	5,333	0	0	0	0	5,333	0	0	0	0	0
0		62 SWM INA/EA-2015 SC	01/01/2015	12/31/2024	-25	0	0	-2	0	-23	0	0	0	0	0
0		63 WWFMP IMPLEMENTATION - DESIGN-2015 SC	01/01/2015	12/31/2024	1,467	0	0	117	0	1,350	0	0	0	0	0
0		66 SWM CONVEYANCE 2013- 2015 SC	01/01/2015	12/31/2024	681	0	0	55	0	626	0	0	0	0	0
<b>Project Sub-total:</b>					<b>13,502</b>	<b>0</b>	<b>0</b>	<b>377</b>	<b>0</b>	<b>13,125</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906495</u></b>		<b><u>SEWER ASSET PLANNING</u></b>											
0		5 Sewer Asset Planning	01/17/2006	12/31/2016	1,825	0	0	147	0	1,678	0	0	0	0	0
0		7 Sewer System Inspection	01/01/2010	12/31/2013	14,184	0	0	0	0	14,184	0	0	0	0	0
0		21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014	12/31/2023	180	0	0	0	0	180	0	0	0	0	0
0		25 SEWER ASSET PLANNING - 2015 SC	01/01/2015	12/31/2024	675	0	0	54	0	621	0	0	0	0	0
0		26 SEWER SYSTEM INSPECTION-2015 SC	01/01/2015	12/31/2024	-5,176	0	0	0	0	-5,176	0	0	0	0	0
0		27 PPD - INFRASTRUCTURE PLANNING STUDIES-2015 SC	01/01/2015	12/31/2024	-30	0	0	0	0	-30	0	0	0	0	0
<b>Project Sub-total:</b>					<b>11,658</b>	<b>0</b>	<b>0</b>	<b>201</b>	<b>0</b>	<b>11,457</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>		<b><u>WAS906500</u></b>		<b><u>NEW SEWER CONSTRUCTION</u></b>											
0		5 NEW SEWERS	01/01/2008	12/31/2013	810	0	0	504	0	306	0	0	0	0	0
0		23 NEW SEWERS - 2015 SC	01/01/2015	12/31/2024	-310	0	0	-193	0	-117	0	0	0	0	0
0		24 WATERFRONT SANITARY MASTER SERVICING PLAN IMP	01/01/2015	12/31/2024	1,000	0	0	500	0	500	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing		Start Date	Completion Date	2015 Cash Flow	Financing									
Priority	Project				Project Name	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
<b>0</b>	<b><u>WAS906500</u></b>	<b><u>NEW SEWER CONSTRUCTION</u></b>												
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	01/01/2015	12/31/2024	2,000	0	0	2,000	0	0	0	0	0	0
		<b>Project Sub-total:</b>			3,500	0	0	2,811	0	689	0	0	0	0
<b>0</b>	<b><u>WAS906735</u></b>	<b><u>DIST SEWER REHAB OPS YR2005</u></b>												
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2012	12/31/2013	388	0	0	31	0	357	0	0	0	0
		<b>Project Sub-total:</b>			388	0	0	31	0	357	0	0	0	0
<b>0</b>	<b><u>WAS906741</u></b>	<b><u>HIGHLAND CREEK TP YR2005</u></b>												
0	1	WAS THICKENING AND DEWATERING ENG	03/01/2005	12/31/2018	317	0	0	26	0	291	0	0	0	0
0	17	WAS THICKENING AND DEWATERING - ENG-2015 SC	01/01/2015	12/31/2024	-195	0	0	-16	0	-179	0	0	0	0
		<b>Project Sub-total:</b>			122	0	0	10	0	112	0	0	0	0
<b>0</b>	<b><u>WAS906742</u></b>	<b><u>HUMBER TP YR2005</u></b>												
0	6	HEADHOUSE UPGRADES Phase 1	01/01/2010	12/31/2014	40	0	0	4	0	36	0	0	0	0
0	8	ODOUR CONTROL ENGINEERING	01/01/2007	12/31/2016	1,213	0	0	0	0	1,213	0	0	0	0
0	53	ODOUR CONTROL ENGINEERING-2015 SC	01/01/2015	12/31/2024	560	0	0	0	0	560	0	0	0	0
0	54	HEADHOUSE UPGRADES PHASE 1 - 2015 SC	11/13/2014	11/13/2014	-20	0	0	-2	0	-18	0	0	0	0
		<b>Project Sub-total:</b>			1,793	0	0	2	0	1,791	0	0	0	0
<b>0</b>	<b><u>WAS906743</u></b>	<b><u>ASHRIDGES BAY TP YR2005</u></b>												
0	1	Process & Equip Upgrades	03/01/2005	12/31/2016	660	0	0	53	0	607	0	0	0	0
0	51	SERVICE AIR UPGRADES - 2015 SC	01/01/2015	12/31/2024	-2,500	0	0	0	0	-2,500	0	0	0	0
0	52	MISC MECH ENGINEERING-2015 SC	01/01/2015	12/31/2024	-480	0	0	-39	0	-441	0	0	0	0
0	53	M & T RETROFIT-2015 SC	01/01/2015	12/31/2024	164	0	0	0	0	164	0	0	0	0
1	4	M & T IMPROVEMENTS (EQUIPMENT)	01/01/2005	12/31/2014	1,026	0	0	0	0	1,026	0	0	0	0
1	7	SERVICE AIR UPGRADES	01/01/2008	12/31/2016	4,900	0	0	0	0	4,900	0	0	0	0
		<b>Project Sub-total:</b>			3,770	0	0	14	0	3,756	0	0	0	0
<b>0</b>	<b><u>WAS906755</u></b>	<b><u>WESTERN BEACHES RETROFIT</u></b>												
0	1	WESTERN BEACHES RETROFIT	01/01/2008	12/31/2015	3,015	0	0	242	0	2,773	0	0	0	0
0	10	WESTERN BEACHES RETROFIT-2015 SC	01/01/2015	12/31/2024	-1,812	0	0	-145	0	-1,667	0	0	0	0
		<b>Project Sub-total:</b>			1,203	0	0	97	0	1,106	0	0	0	0
<b>0</b>	<b><u>WAS906926</u></b>	<b><u>OPERATIONAL SUPPORT</u></b>												
0	6	FACILITY RENOVATION	01/01/2006	12/31/2016	1,000	0	0	0	0	1,000	0	0	0	0
0	7	RENOVATION - MERTON STREET	01/01/2012	12/31/2012	360	0	0	0	0	360	0	0	0	0
0	23	HAND HELD DEVICES - UPDATED	01/01/2010	12/31/2014	150	0	0	0	0	150	0	0	0	0
0	40	WWTP PLC PLATFORM UPGRADE	01/01/2013	12/31/2018	3,642	0	0	0	0	3,642	0	0	0	0



(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS906966</u></b>	<b><u>SWM TRCA FUNDING</u></b>													
0	18	TORONTO WATER TRANSFER TO TRCA CAPITAL - 2015 SC	01/01/2014	12/31/2023	4,069	0	0	327	0	3,742	0	0	0	0	0
		<b>Project Sub-total:</b>			4,069	0	0	327	0	3,742	0	0	0	0	0
<b>0</b>	<b><u>WAS906968</u></b>	<b><u>ENGINEERING</u></b>													
0	2	CONSULTING FEES	01/01/2006	12/31/2016	5,298	0	0	0	0	5,298	0	0	0	0	0
0	54	ROAD RESTORATION - 2015 SC	01/01/2015	12/31/2024	1,400	0	0	0	0	1,400	0	0	0	0	0
0	55	CONSULTING FEES - 2015 SC	01/01/2015	12/31/2024	2,127	0	0	0	0	2,127	0	0	0	0	0
0	56	ECS SALARIES - 2015 SC	01/01/2015	12/31/2024	12,199	0	0	0	0	12,199	0	0	0	0	0
		<b>Project Sub-total:</b>			21,024	0	0	0	0	21,024	0	0	0	0	0
<b>0</b>	<b><u>WAS906973</u></b>	<b><u>SEWER REPLACEMENT PROGRAM</u></b>													
0	24	SEWAGE FORCEMAIN REPLACEMENT	01/01/2010	12/31/2010	1,662	0	0	0	0	1,662	0	0	0	0	0
0	25	SEWER REPLACEMENT 2012	01/01/2012	12/31/2013	2,122	0	0	0	0	2,122	0	0	0	0	0
0	35	SEWER REPLACEMENT - 2013 PROGRAM	01/01/2013	12/31/2014	3,204	0	0	259	0	2,945	0	0	0	0	0
0	36	SEWER REPLC - 2014 PROGRAM	01/01/2014	12/31/2023	13,580	0	0	0	0	13,580	0	0	0	0	0
0	44	COXWELL TRUNK EMERGENCY REPAIR	01/01/2013	12/31/2022	1,559	0	0	0	0	1,559	0	0	0	0	0
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	06/26/2013	06/26/2013	2,750	0	0	1,544	0	1,206	0	0	0	0	0
0	47	WATERFRONT SANITARY SERVICING INFRASTRUCTURE	06/26/2013	06/26/2013	3,561	0	0	2,324	0	1,237	0	0	0	0	0
0	52	SEWER REPLACEMENT - METROLINX	01/01/2014	12/31/2023	2,245	0	0	0	0	2,245	0	0	0	0	0
0	59	FORCEMAIN REPLACEMENT - 2015 SC	01/01/2015	12/31/2024	-1,000	0	0	0	0	-1,000	0	0	0	0	0
0	60	SEWER REPLC - 2014 PROGRAM - 2015 SC	01/01/2015	12/31/2024	-3,593	0	0	0	0	-3,593	0	0	0	0	0
0	61	SEWER REPLACEMENT - METROLINX - 2015 SC	01/01/2015	12/31/2024	-2,188	0	0	0	0	-2,188	0	0	0	0	0
0	62	SEWER REPLC - 2015 PROGRAM	01/01/2015	12/31/2024	10,635	0	0	856	0	9,779	0	0	0	0	0
0	63	2012 SEWER REPLC-2015 SC	01/01/2015	12/31/2024	-803	0	0	0	0	-803	0	0	0	0	0
0	64	2013 SEWER REPLC-2015 SC	01/01/2015	12/31/2024	-1,844	0	0	-150	0	-1,694	0	0	0	0	0
0	65	WATERFRONT STORMWATER INFRASTRUCTURE - 2015 SC	01/01/2015	12/31/2024	6,500	0	0	4,505	0	1,995	0	0	0	0	0
0	66	WATERFRONT SANITARY SERVICING INFR - 2015 SC	01/01/2015	12/31/2024	7,439	0	0	4,869	0	2,570	0	0	0	0	0
0	67	COXWELL EMERGENCY TRUNK REPAIR- 2015 SC	01/01/2015	12/31/2024	-1,383	0	0	0	0	-1,383	0	0	0	0	0
		<b>Project Sub-total:</b>			44,446	0	0	14,207	0	30,239	0	0	0	0	0
<b>0</b>	<b><u>WAS906980</u></b>	<b><u>ASHBRIDGES BAY T.P. YR2006</u></b>													
0	8	MEDIATION AGREEMENT IMPLEMENTATION - PART 2	01/01/2006	12/31/2015	25	0	0	2	0	23	0	0	0	0	0
0	9	DEWATERING EQUIPMENT UPGRADES	01/01/2006	12/31/2016	2,030	0	0	164	0	1,866	0	0	0	0	0
0	36	DEWATERING EQUIPMENT UPGRADES-2015 SC	01/01/2015	12/31/2024	-1,220	0	0	-99	0	-1,121	0	0	0	0	0
0	37	MEDIATION AGREEMENT IMPLEMENTATION- 2015 SC	01/01/2015	12/31/2024	-25	0	0	-2	0	-23	0	0	0	0	0
		<b>Project Sub-total:</b>			810	0	0	65	0	745	0	0	0	0	0



**CITY OF TORONTO**

**Appendix 5: 2015 Council Approved Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS906981</b>	<b>HIGHLAND CREEK WWTP UPGRADES</b>													
0	1	PROCESS & FACILITY UPGRADE	01/01/2006	12/31/2017	2,780	0	0	0	0	2,780	0	0	0	0	0
0	3	BIOSOLIDS TREATMENT UPGRADES	01/01/2006	12/31/2018	10,892	0	0	881	0	10,011	0	0	0	0	0
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2007	12/31/2015	1,467	0	0	0	0	1,467	0	0	0	0	0
0	8	DIGESTER GAS SYSTEM UPGRADES	01/01/2010	12/31/2016	1,785	0	0	0	0	1,785	0	0	0	0	0
0	16	MECH SYSTEMS UPGRADES - CONSTR	10/01/2008	12/31/2014	731	0	0	0	0	731	0	0	0	0	0
0	23	ELECTRICAL UPGRADES-ECAR	01/01/2012	12/31/2016	2,357	0	0	0	0	2,357	0	0	0	0	0
0	31	ELEC SYSTEM UPGRADES - CONSTR	01/01/2010	12/31/2014	1,076	0	0	0	0	1,076	0	0	0	0	0
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2014	12/31/2023	2,050	0	0	0	0	2,050	0	0	0	0	0
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	01/01/2014	12/31/2023	2,704	0	0	0	0	2,704	0	0	0	0	0
0	83	PLANT FIRM CAPACITY - CONCEPT DESIGN	09/18/2013	09/18/2013	25	0	0	0	0	25	0	0	0	0	0
0	85	MECH SYSTEM UPGRADES - CONSTR - 2015 SC	01/01/2015	12/31/2024	-681	0	0	0	0	-681	0	0	0	0	0
0	86	CEPA COMPLIANCE - CL NOTICE - HCTP - 2015 SC	01/01/2015	12/31/2024	-2,000	0	0	0	0	-2,000	0	0	0	0	0
0	87	DIGESTER CLEANING, REHAB AND IMPRO #4-7 - 2015 SC	01/01/2015	12/31/2024	-1,690	0	0	0	0	-1,690	0	0	0	0	0
0	90	PROCESS IMPROVEMENTS (ROADMAP FOR RCM)	01/01/2015	12/31/2024	50	0	0	0	0	50	0	0	0	0	0
0	91	PROCESS, EQUIPMENT, FACILITY UPGRADES	01/01/2015	12/31/2024	555	0	0	0	0	555	0	0	0	0	0
0	92	PLANT WIDE CONCRETE TUNNEL REPAIR	01/01/2015	12/31/2024	600	0	0	0	0	600	0	0	0	0	0
0	94	PROCESS & FACILITY UPGRADE-2015 SC	01/01/2015	12/31/2024	8	0	0	0	0	8	0	0	0	0	0
0	95	BIOSOLIDS TREATMENT UPGRADES -2015 SC	01/01/2015	12/31/2024	-530	0	0	-43	0	-487	0	0	0	0	0
0	96	MECH & ELECTRICAL UPGRADE ENGINEERING-2015 SC	01/01/2015	12/31/2024	-1,299	0	0	0	0	-1,299	0	0	0	0	0
0	97	ELEC SYSTEM UPGRADES - CONSTR-2015 SC	01/01/2015	12/31/2024	-776	0	0	0	0	-776	0	0	0	0	0
0	98	DIGESTER GAS SYSTEM UPGRADES-2015 SC	01/01/2015	12/31/2024	-710	0	0	0	0	-710	0	0	0	0	0
0	99	ELECTRICAL UPGRADES - ECAR-2015 SC	01/01/2015	12/31/2024	63	0	0	0	0	63	0	0	0	0	0
0	102	LIQUID TRAIN - ENGINEERING	01/01/2015	12/31/2024	200	0	0	0	0	200	0	0	0	0	0
		<b>Project Sub-total:</b>			19,657	0	0	838	0	18,819	0	0	0	0	0
<b>0</b>	<b>WAS906982</b>	<b>HUMBER WWTP UPGRADES</b>													
0	2	Chlorine Building Upgrade	01/01/2010	12/31/2015	3,066	0	0	0	0	3,066	0	0	0	0	0
0	5	FLOOD PROTECTION	01/01/2012	12/31/2013	250	0	0	0	0	250	0	0	0	0	0
0	6	NEW SUBSTATION	01/01/2006	06/30/2014	2,080	0	0	0	0	2,080	0	0	0	0	0
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATI	01/01/2010	12/31/2021	2,129	0	0	0	0	2,129	0	0	0	0	0
0	8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	01/01/2012	12/31/2013	350	0	0	0	0	350	0	0	0	0	0
0	29	ADMIN BUILDING EXPANSION	01/01/2014	12/31/2023	350	0	0	0	0	350	0	0	0	0	0
0	52	HVAC UPGRADES	01/01/2013	12/31/2015	3,950	0	0	0	0	3,950	0	0	0	0	0
0	73	ADMIN BUILDING EXPANSION - 2015 SC	01/01/2015	12/31/2024	-250	0	0	0	0	-250	0	0	0	0	0
0	74	HVAC UPGRADES - 2015 SC	01/01/2015	12/31/2024	-3,400	0	0	0	0	-3,400	0	0	0	0	0







**CITY OF TORONTO**

**Appendix 5: 2015 Council Approved Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing				2015	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b>WAS907099</b>	<b>ASHBRIDGES BAY WWTP - LIQUID TREATMENT &amp; HANDLIN</b>													
0		1 FINE BUBBLE AERATION IMPLEMENTATION	01/01/2013	12/31/2015	9,500	0	0	765	0	8,735	0	0	0	0	0
0		3 PRIMARY TREATMENT UPGRADE CONT #1	01/01/2010	12/31/2016	25,175	0	0	2,018	0	23,157	0	0	0	0	0
0		6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2014	12/31/2023	5,250	0	0	0	0	5,250	0	0	0	0	0
0		7 Primary and Secondary Tanks Rehabilitation	01/01/2012	12/31/2013	1,900	0	0	153	0	1,747	0	0	0	0	0
0		10 INTERGRATED PUMPING STATION - ENGINEERING	01/01/2010	12/31/2021	4,500	0	0	0	0	4,500	0	0	0	0	0
0		12 WORK AREA 1 REHAB	01/01/2010	12/31/2015	2	0	0	0	0	2	0	0	0	0	0
0		57 INTEGRATED PUMPING STATION (IPS) - ENG - 2015 SC	01/01/2015	12/31/2024	-1,550	0	0	0	0	-1,550	0	0	0	0	0
0		59 Primary and Final Tank Upgrades - 2015 SC	01/01/2015	12/31/2024	1,000	0	0	81	0	919	0	0	0	0	0
0		60 M & T PUMPING STATION CRITICAL REPAIRS - 2015 SC	01/01/2015	12/31/2024	-1,050	0	0	0	0	-1,050	0	0	0	0	0
0		61 FINE BUBBLE AERATION - TANK #2-2015 SC	01/01/2015	12/31/2024	-2,700	0	0	-218	0	-2,482	0	0	0	0	0
0		62 P BLDG HEADWORKS UPGRADE-2015 SC	01/01/2015	12/31/2024	555	0	0	53	0	502	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>42,582</b>	<b>0</b>	<b>0</b>	<b>2,852</b>	<b>0</b>	<b>39,730</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907100</b>	<b>ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HANDLING</b>													
0		3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2012	12/31/2021	2,680	0	0	216	0	2,464	0	0	0	0	0
0		4 DIGESTERS 9-12 REFURBISHMENT	01/01/2012	12/31/2017	800	0	0	64	0	736	0	0	0	0	0
0		8 BIOSOLIDS PELLETIZER RETROFIT	01/01/2010	12/31/2021	400	0	0	0	0	400	0	0	0	0	0
0		25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	10/09/2012	10/09/2012	1,450	0	0	0	0	1,450	0	0	0	0	0
0		31 WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2015 SC	01/01/2015	12/31/2024	-1,180	0	0	-95	0	-1,085	0	0	0	0	0
0		33 DIGESTERS 9-12 REFURBISH-2015 SC	01/01/2015	12/31/2024	-200	0	0	-16	0	-184	0	0	0	0	0
0		34 PELLETIZER TRUCK LOADING FACILITY UPGRADES-2015	01/01/2015	12/31/2024	-950	0	0	0	0	-950	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>3,000</b>	<b>0</b>	<b>0</b>	<b>169</b>	<b>0</b>	<b>2,831</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907101</b>	<b>ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</b>													
0		5 PROCESS & EQUIP UPGRADES	01/01/2010	12/31/2016	69	0	0	0	0	69	0	0	0	0	0
0		6 MESI UPGRADES	01/01/2012	06/30/2014	3,490	0	0	0	0	3,490	0	0	0	0	0
0		7 MISC MECH REHAB	01/01/2010	12/31/2015	5,600	0	0	0	0	5,600	0	0	0	0	0
0		22 MISC MECH REHAB - 2015 SC	01/01/2015	12/31/2024	-3,499	0	0	0	0	-3,499	0	0	0	0	0
0		24 MESI UPGRADES - 2015 SC	01/01/2015	12/31/2024	-390	0	0	0	0	-390	0	0	0	0	0
		<b>Project Sub-total:</b>			<b>5,270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>WAS907102</b>	<b>ASHBRIDGES BAY WWTP - ODOUR CONTROL</b>													
0		6 BIOFILTERS UPGRADE	01/01/2012	12/31/2015	7,054	0	0	567	0	6,487	0	0	0	0	0
0		13 D BUILDING TREATMENT & BIOFILTER	01/01/2010	12/31/2013	1,613	0	0	130	0	1,483	0	0	0	0	0
0		32 BIOFILTERS UPGRADE & REPLACEMENT - 2015 SC	01/01/2015	12/31/2024	-4,611	0	0	-370	0	-4,241	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

Project/Financing		Start Date	Completion Date	2015 Cash Flow	Financing									
Priority	Project				Project Name	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
<b>0</b>	<b><u>WAS907102</u></b>	<b><u>ASHBRIDGES BAY WWTP - ODOUR CONTROL</u></b>												
0	33 D BUILDING TREATMENT & BIOFILTER-2015 SC	01/01/2015	12/31/2024	-1,413	0	0	-114	0	-1,299	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>2,643</b>	<b>0</b>	<b>0</b>	<b>213</b>	<b>0</b>	<b>2,430</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907104</u></b>	<b><u>HUMBER WWTP - LIQUID TREATMENT &amp; HANDLING</u></b>												
0	2 SECONDARY TREATMENT UPGRADES	01/01/2010	12/31/2021	8,593	0	0	21	0	8,572	0	0	0	0	0
0	18 SECONDARY TREATMENT UPGRADES -2015 SC	07/02/2014	07/02/2014	537	0	0	714	0	-177	0	0	0	0	0
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/2015	12/31/2024	200	0	0	16	0	184	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>9,330</b>	<b>0</b>	<b>0</b>	<b>751</b>	<b>0</b>	<b>8,579</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907105</u></b>	<b><u>HUMBER WWTP - O&amp;M UPGRADES</u></b>												
0	1 Digester 7 & 8 Upgrades & Cogen Upgrades	01/01/2010	12/31/2021	12,217	0	0	0	0	12,217	0	0	0	0	0
0	2 LIQUID STREAM UPGRADES	01/01/2010	12/31/2013	250	0	0	20	0	230	0	0	0	0	0
0	27 GAS COMPRESSOR SYSTEM UPGRADES-2015 SC	01/01/2015	12/31/2024	-2,633	0	0	0	0	-2,633	0	0	0	0	0
0	28 LIQUID STREAM UPGRADES-2015 SC	01/01/2015	12/31/2024	-250	0	0	-20	0	-230	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>9,584</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,584</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907106</u></b>	<b><u>HUMBER WWTP - ODOUR CONTROL</u></b>												
0	1 Odour Control Implementation Phase 1	01/01/2012	12/31/2018	15,000	0	0	1,207	0	13,793	0	0	0	0	0
0	11 ODOUR CONTROL IMPLEMENTATION - PHASE 1-2015 SC	01/01/2015	12/31/2024	17,730	0	0	1,427	0	16,303	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>32,730</b>	<b>0</b>	<b>0</b>	<b>2,634</b>	<b>0</b>	<b>30,096</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907224</u></b>	<b><u>SEWAGE PUMPING STATION UPGRADES</u></b>												
0	1 SPS UPGRADES	01/01/2011	12/31/2019	7,302	0	0	588	0	6,714	0	0	0	0	0
0	2 SCOTT STREET PS UPGRADES	01/01/2012	12/31/2013	20	0	0	2	0	18	0	0	0	0	0
0	4 SUNNYSIDE AND MARYPORT SPS UPGRADES	01/01/2012	12/31/2014	1,137	0	0	91	0	1,046	0	0	0	0	0
0	22 SUNNYSIDE SPS REHAB - 2015 SC	01/01/2015	12/31/2024	443	0	0	36	0	407	0	0	0	0	0
0	23 SCOTT ST PS -2015 SC	01/01/2015	12/31/2024	-6	0	0	-1	0	-5	0	0	0	0	0
0	24 SPS UPGRADES-2015 SC	01/01/2015	12/31/2024	-331	0	0	-27	0	-304	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>8,565</b>	<b>0</b>	<b>0</b>	<b>689</b>	<b>0</b>	<b>7,876</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907559</u></b>	<b><u>DON &amp; WATERFRONT TRUNK CSO</u></b>												
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2012	12/31/2021	6,989	0	0	562	0	6,427	0	0	0	0	0
0	10 Don&Waterfront Trunk/CSO Design PH1-2015 SC	01/01/2015	12/31/2024	-839	0	0	-67	0	-772	0	0	0	0	0
	<b>Project Sub-total:</b>			<b>6,150</b>	<b>0</b>	<b>0</b>	<b>495</b>	<b>0</b>	<b>5,655</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b><u>WAS907700</u></b>	<b><u>NORTH TORONTO WTP UPGRADES</u></b>												
0	2 NTPP-ELECTRICAL UPGRADES	01/01/2012	12/31/2018	915	0	0	0	0	915	0	0	0	0	0

(Phase 5) 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: 2015 Council Approved Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2015 Cash Flow	Financing									
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<b>0</b>	<b><u>WAS907700 NORTH TORONTO WTP UPGRADES</u></b>													
0	8 NTPP - ELECTRICAL UPGRADES - ECAR - 2015 SC	01/01/2015	12/31/2024	-913	0	0	0	0	-913	0	0	0	0	0
	<b>Project Sub-total:</b>			2	0	0	0	0	2	0	0	0	0	0
<b>0</b>	<b><u>WAS908143 Georgetown South City Infrastructure Upgrades</u></b>													
0	1 Georgetown South City Infrastructure Upgrades	01/01/2015	12/31/2015	5,680	0	0	0	0	5,680	0	0	0	0	0
	<b>Project Sub-total:</b>			5,680	0	0	0	0	5,680	0	0	0	0	0
<b>0</b>	<b><u>WASWP003 EMERY CREEK POND</u></b>													
0	1 EMERY CREEK POND	01/01/2010	12/31/2016	5,412	0	0	434	0	4,978	0	0	0	0	0
0	13 EMERY CREEK POND - 2015 SC	07/02/2014	07/02/2014	-1,512	0	0	-120	0	-1,392	0	0	0	0	0
	<b>Project Sub-total:</b>			3,900	0	0	314	0	3,586	0	0	0	0	0
<b>0</b>	<b><u>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</u></b>													
0	127 EQUIPMENT REPLACEMENT-2015 SC	01/01/2015	12/31/2024	-2,520	0	0	0	0	-2,520	0	0	0	0	0
0	128 REHAB OF SOUTH PRIMARY CLARIFIERS- 2015 SC	01/01/2015	12/31/2024	6	0	0	0	0	6	0	0	0	0	0
1	78 North Primaries Pumping Equipment	01/01/2012	12/31/2015	2,900	0	0	0	0	2,900	0	0	0	0	0
	<b>Project Sub-total:</b>			386	0	0	0	0	386	0	0	0	0	0
<b>Program Total:</b>				466,685	0	0	31,598	0	435,087	0	0	0	0	0

**Status Code Description**  
 S2 S2 Prior Year (With 2015 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2015 and/or Future Year Cost/Cashflow  
 S4 S4 New - Stand-Alone Project (Current Year Only)  
 S5 S5 New (On-going or Phased Projects)

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

# Appendix 6

## Reserve / Reserve Fund Review

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

Table 1		Projected Balance as at Dec 31, 2014 *	Contributions / (Withdrawals)										2015 - 2024 Total Contributions / (Withdrawals)							
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2015 Budget	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan								
Water DC Reserve Fund	Beginning Balance	49,653																		
	REPLACEMENT		(179)	(549)															(728)	
	BAYVIEW TRUNK WATERMAIN - PH2					(212)	(53)	(212)	(2,115)	(2,115)										(4,707)
	D2/D4 TRUNK WATERMAIN UPGRADES					(123)	(245)	(2,289)	(8,421)	(7,042)	(4,211)									(22,331)
	DIST W/M REPLACEMENT		(7,346)	(12,477)	(13,525)	(14,570)	(16,024)	(17,267)	(18,272)	(18,589)	(18,641)	(18,641)	(18,641)							(155,352)
	DISTRICT WATERMANS - NEW		(102)	(500)	(425)	(425)	(425)	(425)	(425)	(425)	(425)	(425)	(425)							(4,002)
	DOWNTOWN W/M ENHANCEMENT		(2,376)	(1,557)	(1)															(3,934)
	ENGINEERING STUDIES		(52)	(25)																(77)
	HARRIS W.T.P. R&R		(15)	(91)	(213)	(213)														(532)
	HORGAN TRUNK MAIN EXPANSION		(342)	(2,363)	(11,793)	(10,248)	(1,600)	(2,422)	(3,329)	(1,065)	(226)	(193)								(33,581)
	HORGAN W.T.P. EXPANSION		(1,118)	(1,682)																(2,800)
	ISLAND W.T.P. R&R		(9)	(112)	(426)	(426)	(426)	(122)												(1,521)
	ISLAND W.T.P. R&R		(10)																	(10)
	PLAN		(6,471)	(3,354)	(18,078)	(2,127)	(3,531)													(33,561)
	PW ENGINEERING		(229)	(352)	(384)	(332)	(298)	(298)	(298)	(298)	(191)	(85)								(2,765)
	RL CLARK W.T.P. R&R		(649)	(553)	(1,340)	(817)	(2)													(3,361)
	TRANSMISSION R&R		-	(6)	(121)															(127)
	TRUNK WATERMAIN EXPANSION		(192)	(2,323)	(3,185)	(3,042)	(2,467)	(24)												(11,233)
	WATER EFFICIENCY PROGRAM		(520)	(520)	(520)	(442)	(442)	(442)	(442)	(442)	(442)	(442)								(4,654)
	WATER STORAGE EXPANSION		(92)																	(92)
	WATER SUSTAINABILITY PROGRAM		(74)	(809)	(438)	(1)														(1,322)
	Total Withdrawals		(7,715)	(19,761)	(27,197)	(50,327)	(32,978)	(25,726)	(23,501)	(33,302)	(29,976)	(24,136)	(19,786)							(286,690)
	Projected Contributions/Interest		20,250	17,548	24,361	25,579	26,003	26,353	26,527	26,795	26,959	27,498	28,048							255,671
Total Reserve Fund Balance at Year-End		62,188	59,975	57,139	32,391	25,416	26,043	29,069	22,562	19,545	22,907	31,169								

\* Based on the 9 Month Variance Report

Table 2		Projected Balance as at Dec 31, 2014 *	Contributions / (Withdrawals)										2015 - 2024 Total Contributions / (Withdrawals)							
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2015 Budget	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan								
Sanitary Sewer DC Reserve Fund	Beginning Balance	52,661																		
	ASHBRIDGES BAY T.P. - III YR2004		(120)	(4)	(2)															(126)
	ASHBRIDGES BAY T.P. YR2006		(65)	(41)	(84)															(190)
	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM		(69)	(948)	(2,599)	(3,493)	(5,910)	(3,755)	(3,571)	(3,348)	(740)									(24,433)
	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING		(2,852)	(2,895)	(2,020)	(1,258)	(406)	(845)	(1,207)	(1,287)	(2,012)	(2,294)								(17,076)
	ASHBRIDGES BAY WWTP - ODOUR CONTROL		(213)	(1,021)	(676)	(10)														(1,920)
	ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING		(169)	(209)	(1,533)	(1,626)	(1,345)	(1,144)	(842)	(613)	(6)									(7,487)
	ASHBRIDGES BAY WWTP REHAB		(387)	(602)	(651)	(574)	(56)	(4)												(2,274)
	ASHBRIDGES BAY TP YR2005		(14)	(73)	(22)	(68)														(177)
	DIST SEWER REHAB OPS YR2005		(31)	(1)																(32)
	DON & WATERFRONT TRUNK CSO		(495)	(1,014)	(322)	(1,372)	(2,308)	(2,389)	(2,469)	(4,511)	(3,858)	(4,729)								(23,467)
	HIGHLAND CREEK T.P. - IV YR2004		(5)	(10)																(15)
	HIGHLAND CREEK TP YR2005		(10)	(9)																(19)
	HIGHLAND CREEK WWTP - ODOUR CONTROL		(1,248)	(1,487)	(1,362)	(1,312)	(554)	(262)	(455)	(425)	(215)									(7,320)
	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		(60)	(571)	(366)	(1,127)	(1,851)	(1,569)	(1,489)	(20)	(20)									(7,073)
	HIGHLAND CREEK WWTP UPGRADES		(838)	(1,527)	(533)	(50)	(171)	(650)	(483)											(4,252)
	HUMBER T.P. - II YR2004		(12)		(1)	(1)														(14)
	HUMBER TP YR2005		(2)																	(2)
	HUMBER WWTP - LIQUID TREATMENT & HANDLING		(751)	(2,104)	(3,947)	(3,913)	(3,917)	(3,818)	(3,373)	(52)	(131)	(604)								(22,610)
	HUMBER WWTP - ODOUR CONTROL		(2,634)	(946)	(272)															(3,852)
	NEW SEWER CONSTRUCTION		(2,811)	(6,122)	(5,311)	(3,811)	(4,311)	(4,811)	(4,811)	(4,811)	(4,811)	(4,811)								(46,421)
	SEWAGE PUMPING STATION UPGRADES		(689)	(313)	(26)	(149)	(384)	(467)	(382)	(294)	(127)	(4)								(2,835)
	SEWER ASSET PLANNING		(201)	(275)	(322)	(394)	(241)	(201)	(201)	(201)	(201)	(141)								(2,378)
	SEWER REPLACEMENT PROGRAM		(8,158)	(4,219)	(1,850)	(1,610)	(1,811)	(2,012)	(2,213)	(2,213)	(2,213)	(2,213)	(2,213)							(28,512)
	SEWER SYSTEM REHABILITATION		(204)	(402)	(508)	(507)	(295)	(83)	(2)											(2,001)
	TRUNK SEWER SYSTEM				(156)	(1,711)	(2,644)	(3,111)	(3,111)	(7,777)	(7,777)	(7,777)								(34,064)
	Total Proposed Withdrawals		(17,568)	(22,038)	(24,793)	(22,563)	(22,986)	(26,204)	(25,121)	(24,609)	(25,552)	(22,111)	(22,573)							(238,550)
	Projected Contributions/Interest		15,265	13,228	18,363	19,282	19,602	19,865	19,996	20,198	20,322	20,729	21,143							192,728
	Total Reserve Fund Balance at Year-End		50,358	41,548	35,118	31,837	28,453	22,114	16,989	12,578	7,348	5,966	4,536							

\* Based on the 9 Month Variance Report

Table 3		Projected Balance as at Dec 31, 2014 *	Contributions / (Withdrawals)										2015 - 2024 Total Contributions / (Withdrawals)
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2015 Budget	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	
	Beginning Balance	14,697.4	11,771.4	5,740.4	5,545.4	8,108.4	10,515.4	12,294.4	13,658.4	14,129.4	15,833.4	16,346.4	
Storm Water Management DC Reserve Fund	EMERY CREEK POND		(314.0)	(86.0)									(400.0)
	Land Acquisition for Source Water Protect		(564.0)	(295.0)	(322.0)	(322.0)	(362.0)	(362.0)	(362.0)	(362.0)	(403.0)	(403.0)	(3,757.0)
	SEWER REPLACEMENT PROGRAM		(6,049.0)	(2,616.0)									(8,665.0)
XR2113 DC - SWM (2009)	STREAM RESTORATION & EROSION CONTROL		(995.0)	(555.0)	(808.0)	(711.0)	(1,085.0)	(1,063.0)	(1,071.0)	(939.0)	(1,020.0)	(1,180.0)	(9,427.0)
XR2404 DC - SWM (2004)	SWM TRCA FUNDING		(327.0)	(336.0)	(344.0)	(353.0)	(361.0)	(371.0)	(380.0)	(389.0)	(399.0)	(409.0)	(3,669.0)
	SWM END OF PIPE FACILITIES		(837.0)	(390.0)	(528.0)	(928.0)	(1,170.0)	(1,620.0)	(2,549.0)	(1,247.0)	(2,414.0)	(5,634.0)	(17,317.0)
	WESTERN BEACHES RETROFIT		(97.0)	(330.0)	(80.0)								(507.0)
	WET WEATHER FLOW MP		(377.0)	(486.0)	(499.0)	(508.0)	(543.0)	(555.0)	(555.0)	(781.0)	(781.0)	(539.0)	(5,624.0)
	Total Proposed Withdrawals	(6,998.0)	(9,560.0)	(5,094.0)	(2,581.0)	(2,822.0)	(3,521.0)	(3,971.0)	(4,917.0)	(3,718.0)	(5,017.0)	(8,165.0)	(49,366.0)
	Projected Contributions	4,072.0	3,529.0	4,899.0	5,144.0	5,229.0	5,300.0	5,335.0	5,388.0	5,422.0	5,530.0	5,641.0	51,417.0
Total Reserve Fund Balance at Year-End		11,771.4	5,740.4	5,545.4	8,108.4	10,515.4	12,294.4	13,658.4	14,129.4	15,833.4	16,346.4	13,822.4	

\* Based on the 9 Month Variance Report