



## Toronto Water

### **2014 – 2023 CAPITAL BUDGET AND PLAN OVERVIEW**

#### **2014 – 2023 Capital Budget and Plan Highlights**

Toronto Water is responsible for water treatment and supply; wastewater collection and treatment; and stormwater management across the City.

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 (5,466 km) and transmission (548 km) watermains, sanitary (3,930 km), combined (1,511 km) and storm (4,954 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment plants (4), water (18) and wastewater pumping stations (82), reservoirs, storage and detention tanks.

While State of Good Repair (SOGR) projects remain a priority, given the significant backlog in infrastructure renewal, considerable funding (\$2.871 billion) is still provided to support the implementation of the Wet Weather Flow Master Plan, Basement flooding projects and Growth Related projects, some of which are partially recovered from Development Charges.

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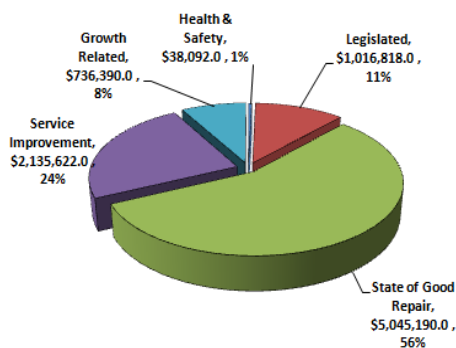
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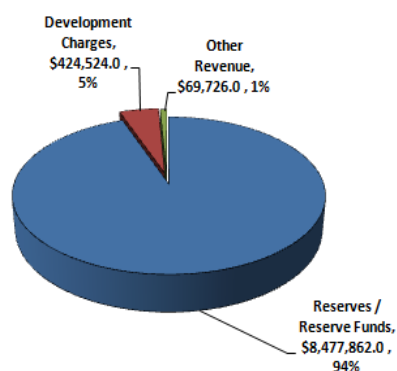
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## Capital Spending and Financing

**2014-2023 Capital Budget and Plan Expenditures \$8.972 (\$Billion)**



**2014-2023 Capital Budget and Plan by Funding Source \$8.972 (\$Billion)**



### Where does the money go?

The 2014–2023 Capital Budget and Plan totals \$8.972 billion. It provides funding for Health and Safety projects of \$38.092 million; Legislated projects of \$1.016 billion; State of Good Repair projects of \$5.045 billion; Service Improvement projects of \$2.136 billion, and Growth Related projects of \$736.390 million.

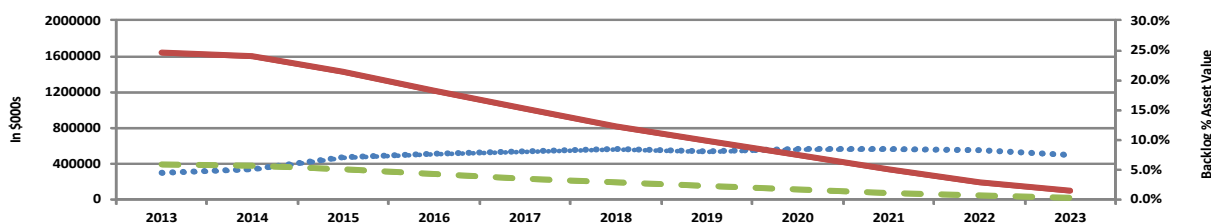
A primary focus of the 2014-2023 Capital Plan is to undertake on-going state of good repair projects for linear infrastructure renewal ensuring the replacement or rehabilitation of aging watermain and sewers and investment in the City's aging wastewater treatment facilities.

### Where the money comes from?

Over the 10-year planning horizon, Toronto Water continues to be 100% self-sustaining with no debenture financing and with no impact on the municipal property tax levy.

- The 2014 - 2023 Capital Budget and Plan is funded primarily from the Program's reserves, which account for approximately 94% of financing sources or \$8.478 billion.
- Development charges provide funding of approximately 5% or \$424.524 million.
- Revenues for capital cost sharing with York Region provide the remaining 1% or \$69.726 million in funding for the Program.

## State of Good Repair Backlog



The 10-Year Capital Plan spending on State of Good Repair is \$5.045 billion which will reduce the backlog from 5.8 % as a percentage of asset value in 2013 to 0.3% in 2023.

## Key Challenges and Priority Actions

**State of Good Repair Backlog** – 2013 year-end renewal backlog is estimated at \$1.641 billion.

- ✓ The 10-Year Capital Plan includes funding of \$5.045 billion to address accumulated backlog.

**Extreme Weather Events & Significant Long-Term Unbudgeted Pressures** - Approximately \$717 million in unfunded capital pressures over the 10-year planning horizon has been identified.

- ✓ Executive Committee considered a report entitled, *"Future Options and Public Attitudes for Paying for Water, Wastewater and Stormwater Infrastructure and Services"* to aid in developing a financing strategy to support Toronto Water.

**Recent and Emerging Regulations** - Full financial implications arising from new and emerging regulations are still not fully known at this time.

- ✓ The 10-Year Capital Plan includes funding of \$205.8 million to meet the most recent federal regulations.

**Capital Financing Reserve** - The reserve falls below \$60 million in 2021-2023 as a result of the extensive work to be undertaken at the wastewater treatment plants.

- ✓ The 10-Year Plan maximises the use of Development Charge Funding

## 2014 Capital Budget Highlights

The 2014 Capital Budget provides funding of \$614.770 million to:

- Continue state of good repair projects to address infrastructure renewal such as District Watermain Replacement and Rehabilitation (\$91.035 million) and Sewer System Replacement and Rehabilitation (\$85.793 million);
- Continue the Basement Flooding Relief project (\$61.256 million), implementation of the Wet Weather Flow Master Plan projects (\$33.336 million), and Critical Erosion Projects (\$74.476 million)
- Continue implementation of the Water Metering Program (\$47.450);
- Complete Class EA studies for all basement flooding areas by the end of 2014.
- Begin the Chemical and Residuals Management projects at the Island Water Treatment Plant (\$0.150 million).



## II: COUNCIL APPROVED BUDGET

City Council approved the following recommendations:

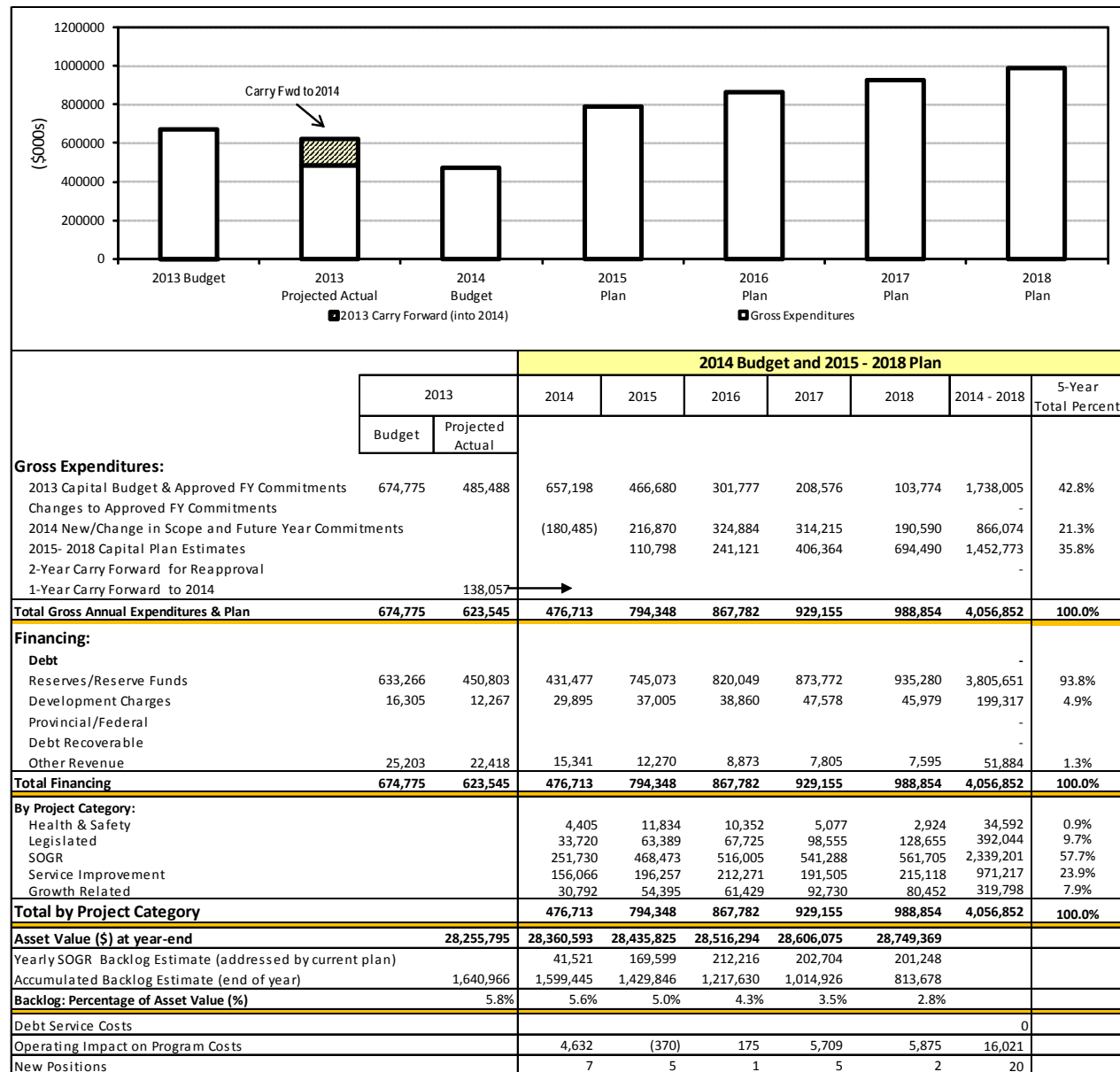
1. City Council approve the 2014 Capital Budget for Toronto Water with a total project cost of \$970.176 million, and 2014 cash flow of \$614.770 million and future year commitments of \$2.580 billion comprised of the following:
  - a) New Cash Flow Funding for:
    - i) 261 new / change in scope sub-projects with a 2014 total project cost of \$970.176 million that requires cash flow of (\$180.485 million) in 2014 and a future year cash flow commitment of \$216.870 million in 2015; \$324.884 million in 2016, \$314.215 million in 2017, \$190.590 million in 2018, \$85.214 million in 2019, (\$8.734 million) in 2020; (\$10.609 million) in 2021, (\$13.921) million in 2022, and \$52.152 million in 2023;
    - ii) 216 previously approved sub-projects with a 2014 cash flow of \$657.198 million; and a future year cash flow commitment of \$466.680 million in 2015; \$301.777 million in 2016, \$208.576 million in 2017, \$103.774 million in 2018, \$100.886 million in 2019, \$100.595 million in 2020; \$76.240 million in 2021, and \$70.880 million in 2022; and
  - b) 2013 approved cash flow for 151 previously approved sub-projects with carry forward funding from 2013 into 2014 totaling \$138.057 million.
2. Council approve the 2015-2023 Capital Plan for Toronto Water totaling \$5.915 billion in project estimates, comprised of \$110.798 million in 2015; \$241.121 million in 2016; \$406.364 million in 2017; \$694.490 million in 2018; \$817.183 million in 2019; \$869.353 million in 2020; \$941.077 million in 2021; \$908.333 million in 2022; and \$926.611 million in 2023; and
3. Council consider operating costs of \$4.632 million net in 2014, (\$0.370) million net in 2015; \$0.175 million net in 2016; \$5.709 million net in 2017; \$5.875 million net in 2018; \$0.365 million net in 2019; and \$2.504 million net in 2020; and \$0.050 million emanating from the approval of the 2014 Capital Budget for inclusion in the 2014 and future year operating budgets.
4. City Council approve 6 temporary capital positions for the delivery of new 2014 capital projects and that the duration for each temporary position not exceed the life and funding of its respective project / sub-project.
5. City Council request the Deputy City Manager and Chief Financial Officer in consultation with the General Manager, Toronto Water to advance the 2015 cashflow for the Basement Flooding project into 2014, should it become evident that greater than planned volume of work can be completed, and that the 2015 – 2023 budgeted cash flows be adjusted accordingly as part of the 2015 Budget process.
6. City Council amend, for future planning purposes, the draft Capital Plan to reflect a water rate increase of 8% in the years 2015, 2016 and 2017 and that staff report back during the 2015 Budget process on additional financing options.



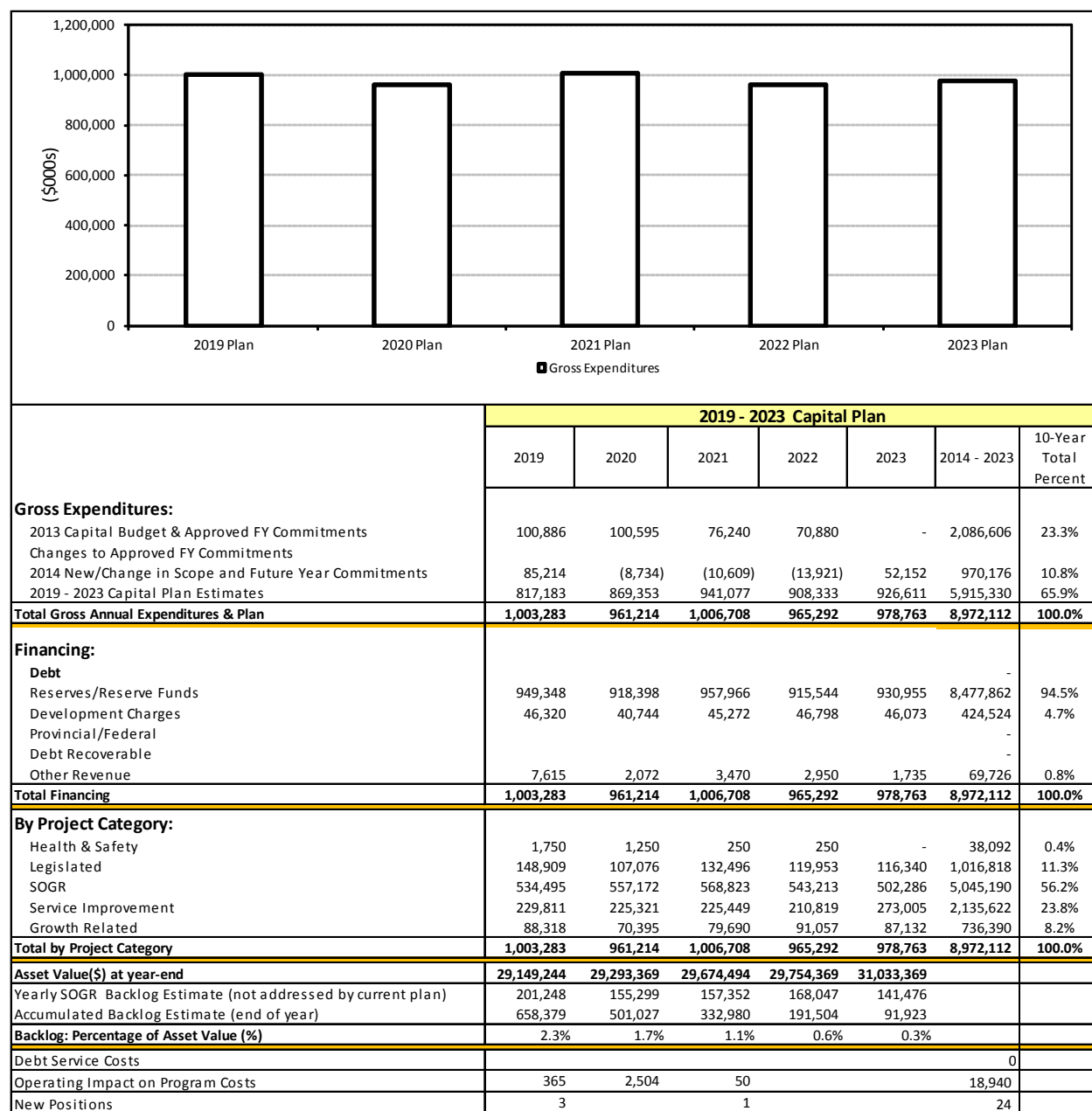
7. City Council request the General Manager, Toronto Water, to prioritize future Basement Flooding Protection Program studies based on the density of reported basement flooding complaints per sanitary sewer subsewershed for major storm events since 2000. The density of reported basement flooding complaints 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 subsewershed.
8. City Council request the General Manager, Toronto Water, to initiate and expedite the completion of new Environmental Assessment studies for Area 35 (Silver Creek subsewershed), Area 36 (Chapman subsewershed), Area 37 (Hillary subsewershed), Area 38 (Etobicoke Creek subsewershed), Area 39 (Berry Creek subsewershed), Area 40 (Forman-Yonge subsewershed), and Area 41 (North Mimico Creek subsewershed).
9. City Council request the General Manager, Toronto Water, to 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.
10. City Council request the General Manager, Toronto Water, to 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.
11. City Council request the General Manager, Toronto Water to 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.
12. City Council direct the General Manager, Toronto Water, to increase the total subsidy available under the Basement Flooding Protection Subsidy Program from \$3,200 to \$3,400 per household by removing the combined subsidy for a backwater valve and sump pump for applications processed after January 2, 2014.

### III: 10-YEAR CAPITAL PLAN

#### 10 - Year Capital Plan 2014 Budget, 2015 – 2018 Plan

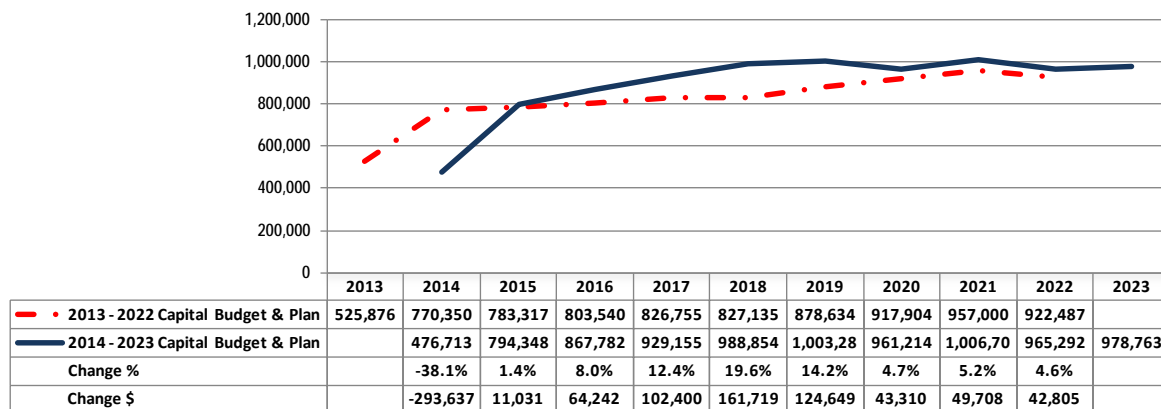


**10 - Year Capital Plan  
2019 - 2023 Plan  
(In \$000s)**



## Key Changes to the 2013 - 2022 Capital Plan

Changes to the 2013 -2022 Capital Plan  
(In \$000s)



The 2014 Capital Budget and the 2015 - 2023 Capital Plan reflects an increase of \$305.0 million in capital funding from the 2013 to 2022 Capital Plan.

Changes to the 2013 – 2022 Capital Plan arise from the reprioritization of Toronto Water's capital projects, based on the following factors:

- Updated condition assessments.
- Updated schedules for implementation of the projects requiring large capital funding, such as Ashbridges Bay WWTP disinfection and outfall construction projects, Highland Creek Biosolids project and Basement Flooding Relief projects, which are scheduled for implementation between 2016-2019.
- Need to realign Toronto Water 2014 Capital Budget with historical spending rates.

### Significant Increases in Toronto Water Capital Projects:

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

- *The Ashbridges Bay Wastewater Treatment Plant project cost* has been increased by \$381.560 million from \$1.190 billion, representing a 32% increase in total project cost primarily to incorporate construction of a new outfall pipe for disposing effluent in the lake Ontario. This improvement will ensure that all discharges and emissions meet or exceed all applicable environmental standards, eliminate the need for existing seawall gates in the lake, and maximize protection of fish, aquatic habitats, waterfowl, vegetation and wildlife.
- Increased funding for *Watermain Renewal (Rehabilitation and Replacement)* of \$60.128 million or 5% from \$1.269 million has been included to align requirements with Toronto Water's service replacement policy and to increase the extent of renewal being undertaken through trenchless technologies such as structural lining.



- *Business & Technical Improvement project costs* have increased by \$26.927million or 53% from \$50.568 million to reflect Phase 2 of the Divisional Work Management System implementation. Additional funding has also been included to continue the replacement of network cabling.
- *Trunk Sewer and Sewage Pumping project costs* have increased by \$100.128 million or 20% from \$511.636 million, based on updated condition assessment for trunk sewer rehabilitation and replacement.
- Additional funding of \$27.046 million or 7% from \$388.918 million has been allocated to *the Highland Creek Wastewater Treatment Plant projects* to incorporate required treatment upgrades including aeration system upgrades.
- In order to assist the TRCA to mitigate some of *the most critical erosion projects* resulting from the July 8<sup>th</sup>, 2013 storm, Toronto Water's funding contribution has been increased by \$26.0 million, from \$4.0 million over the 10-Year period. Toronto Water also added \$1.5 million for Environmental Assessment work on the Scarborough Waterfront Erosion Control and Access Plan in 2014.

*Major Reductions in Toronto Water Capital Projects:*

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

- *Transmission Watermain project costs* have decreased by \$129.307 million or 37% from \$350.951 million as a result of deferring the construction of the Ellesmere watermain, the Mount Pleasant Watermain and the East Mall Cast Iron Watermain outside of the 10 year Capital Plan period.
- The allocation for *the Wet Weather Flow projects* has been decreased by a total of \$86.384 million or 13% from \$656.680 million to \$570.296 million, as a result of the deferral of the Don and Waterfront Trunk CSO project by one year.
- *Linear Engineering and Support project* funding has been decreased by a total of \$101.569 million or 17% from \$589.882 million, reflecting a restructuring of capital accounts to align permanent road cut restoration services with the various asset renewal programs and to undertake the permanent restoration immediately after completion of underground work.
- The funding allocation for *Humber Wastewater Treatment Plant projects* has decreased by \$38.467 million or 9% from \$427.217 million to \$388.750 million reflecting revised schedule for the implementation of secondary treatment upgrades at the plant.
- Although total funding for *Basement Flooding projects* have remained in line with the 2013-2022 Capital Plan, cash flow funding has been adjusted with a decrease of \$45.370 million in 2014 and \$3.743 in 2015 million, as environmental assessments have taken longer than originally planned due to the extended time for infrastructure assessments and in order to ensure that all public concerns are heard.
  - Toronto Water is unable to proceed with some basement flooding relief projects as the preliminary designs indicated that the cost to each benefiting property will exceed the

current threshold of \$32,000 as set by City Council. For those projects that have met the criteria and have proceeded, contracted pricing has been lower than expected. As a result, \$15.886 million in unspent 2013 funding will be carried forward in 2014. Any unspent funds have been re-directed to advance the design phase of the remaining planned basement flooding relief projects.

- City Council approved for Toronto Water to advance the 2015 cashflow for the Basement Flooding project into 2014, should it become evident that greater than planned volume of work can be completed.
- Over the 2014-2022 planning period, there are cash flow realignments for a variety of other projects, which reflect more updated schedules for implementation and incorporate additional projects deemed necessary such as digesters rehabilitation projects at Ashbridges Bay and Highland Creek Wastewater Treatment Plants.

**New Projects:**

- There are no new projects. All projects included in the 2014-2023 Capital Budget and Plan fall under the previously approved Toronto Water's program areas.

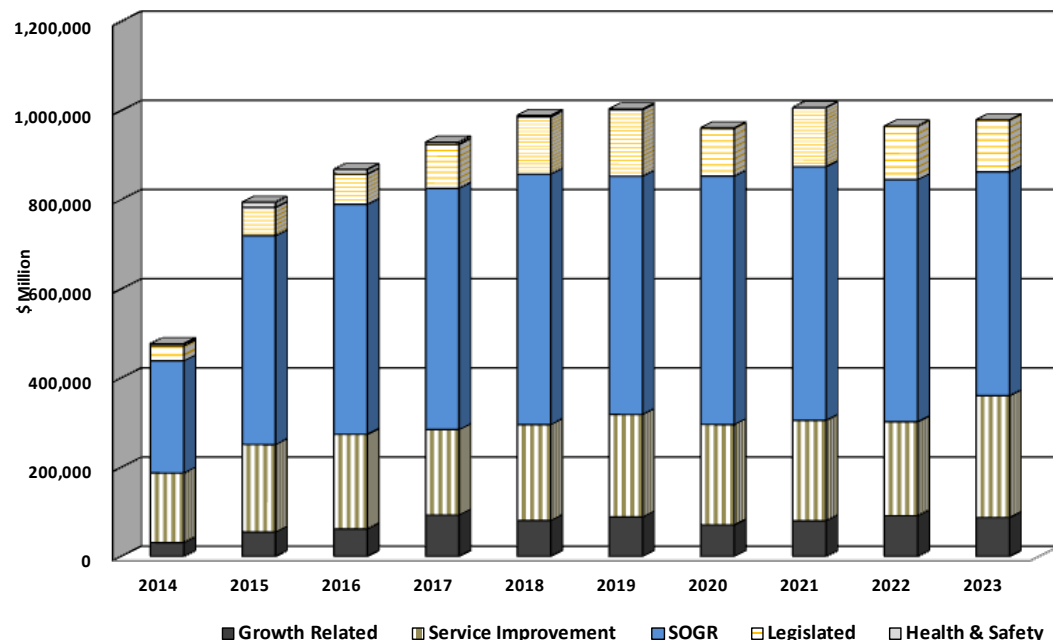
Key project cash flow changes to the 2014 – 2023 Capital Plan are detailed below.

### Summary of Project Changes (In \$000s)

	Total Project Cost	2014	2015	2016	2017	2018	2019	2020	2021	2022	2014 - 2018	2014 - 2022	Revised Total Project Cost
<b>Previously Approved</b>													
<b>Water Treatment &amp; Supply</b>													
Clark Water Treatment Plant	129,502	(1,848)	1,300	(33)	(130)	57	150	150	150	150	(654)	(54)	129,448
Harris Water Treatment Plant	72,678	462	5,300	650	2,250	-	3,500	500	500	500	8,662	13,662	86,340
Horgan Water Treatment Plant	24,650	(6,700)	2,619	2,275	3,210	585	(300)	(300)	(300)	(300)	1,989	789	25,439
Island Water Treatment Plant	54,985	(1,934)	(3,060)	266	(4,440)	(1,430)	4,275	(3,925)	(3,175)	375	(10,598)	(13,048)	41,937
Watermain Rehabilitation	452,911	(1,463)	5,800	5,800	18,500	-	-	-	-	-	28,637	28,637	481,548
Watermain Replacement	816,184	(13,617)	14,383	1,220	(7,370)	6,875	7,000	7,000	8,000	8,000	1,491	31,491	847,675
Water Service Repair	167,985	131	950	(20)	(298)	-	-	-	-	-	763	763	168,748
Transmission Watermains	350,951	(8,065)	(8,896)	5,710	8,844	6,950	(8,390)	(48,510)	(45,950)	(31,000)	4,543	(129,307)	221,644
Storage and Treatment	86,184	(9,918)	(1,644)	550	(2,425)	(2,225)	6,075	4,925	1,525	(4,975)	(15,662)	(8,112)	78,072
Automated Meter Reading System (AMR)	132,606	(2,507)	1,125	6,525	5,000	-	-	-	-	-	10,143	10,143	142,749
Water Efficiency Plan	4,680	(116)	-	-	-	-	-	-	-	-	(116)	(116)	4,564
Business & Technical Improvements	50,568	(1,228)	4,863	5,332	5,143	2,727	2,160	3,850	5,440	(1,360)	16,837	26,927	77,495
<b>Wastewater Collection &amp; Treatment &amp; Stormwater Management</b>													
Ashbridges Bay Wastewater Treatment Plant (ABTP)	1,190,437	(79,837)	(16,828)	13,094	23,044	83,228	72,705	85,076	112,341	88,737	22,701	381,560	1,571,997
Highland Creek Wastewater Treatment Plant (HCTP)	388,918	(42,334)	(5,417)	(3,973)	17,300	39,011	21,950	2,447	(730)	(1,208)	4,587	27,046	415,964
Humber Wastewater Treatment Plant	427,217	(29,696)	(1,660)	(5,765)	2,216	4,623	2,345	4,290	14,550	(29,370)	(30,282)	(38,467)	388,750
Sewer System Rehabilitation	53,000	(2,540)	(2,039)	38,700	37,700	-	-	-	-	-	71,821	71,821	124,821
Sewer Replacement Program	405,620	(2,151)	9,435	4,608	1,096	603	-	-	-	-	13,591	13,591	419,211
Trunk Sewer & Sewage Pumping Stations	511,636	(25,171)	7,519	(13,697)	(8,576)	25,664	29,008	29,861	28,800	26,720	(14,261)	100,128	611,764
New Sewer Construction	98,000	(1,000)	(3,000)	(4,000)	(2,000)	(2,000)	-	-	-	-	(12,000)	(12,000)	86,000
Basement Flooding Relief	841,048	(45,370)	(3,743)	19,668	16,078	8,714	9,006	(1,234)	(5,481)	(736)	(4,653)	(3,098)	837,950
Wet Weather Flow	656,680	(6,019)	7,331	(15,396)	(3,670)	869	(13,677)	(28,275)	(38,924)	12,877	(16,885)	(84,884)	571,796
Yards & Facility Improvements	23,300	321	1,203	-	-	-	(300)	(200)	(6,900)	(3,800)	1,524	(9,676)	13,624
<b>Linear Infrastructure Engineering</b>													
	589,882	(13,037)	(4,510)	2,728	(9,072)	(12,532)	(10,858)	(12,345)	(20,138)	(21,805)	(36,423)	(101,569)	488,313
<b>Total Previously Approved</b>	<b>7,687,122</b>	<b>(293,637)</b>	<b>11,031</b>	<b>64,242</b>	<b>102,400</b>	<b>161,719</b>	<b>124,649</b>	<b>43,310</b>	<b>49,708</b>	<b>42,805</b>	<b>45,755</b>	<b>306,227</b>	<b>7,993,349</b>
<b>New</b>													
<b>Total New</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Changes</b>	<b>7,687,122</b>	<b>(293,637)</b>	<b>11,031</b>	<b>64,242</b>	<b>102,400</b>	<b>161,719</b>	<b>124,649</b>	<b>43,310</b>	<b>49,708</b>	<b>42,805</b>	<b>45,755</b>	<b>306,227</b>	<b>7,993,349</b>

## 2014 – 2023 Capital Plan

**2014 – 2023 Capital Plan by Project Category**  
(In \$000s)



- The 10-Year Capital Plan for Toronto Water of \$8.972 billion provides funding for Health and Safety projects of \$38.092 million; Legislated projects of \$1.016 billion; State of Good Repair (SOGR) projects of \$5.045 billion; Service Improvement projects of \$2.136 billion, and Growth Related projects of \$736.390 million.
- Health and Safety projects represent approximately 0.4% or \$38.092 million (\$34.592 million over the first five years) of total funding in the 10-Year Recommended Capital Plan.
  - Capital funding for these projects is allocated primarily within the first 5 years of the 10-Year Capital Plan period in order to improve the safety of chemical storage and upgrade electrical systems at Ashbridges Bay, Humber and North Toronto wastewater treatment plants.
  - Funding for Health and Safety projects is minimal in the second 5 years of the 10-Year Capital Plan reflecting the anticipated completion of 3 of the 4 Toronto Water Health and Safety projects by 2019.
- Legislated projects account for \$1.017 billion or 11.3% of total funding (\$392.044 million over the first five years).
  - Legislated projects are required to comply with existing and emerging provincial legislation, including Bill 195 -Safe Drinking Water Act, Bill 81- Nutrient Management Act and Bill 72 – Water Opportunities and Water Conservation Act. These projects are also required to comply with the Federal government’s Environmental Protection Act.

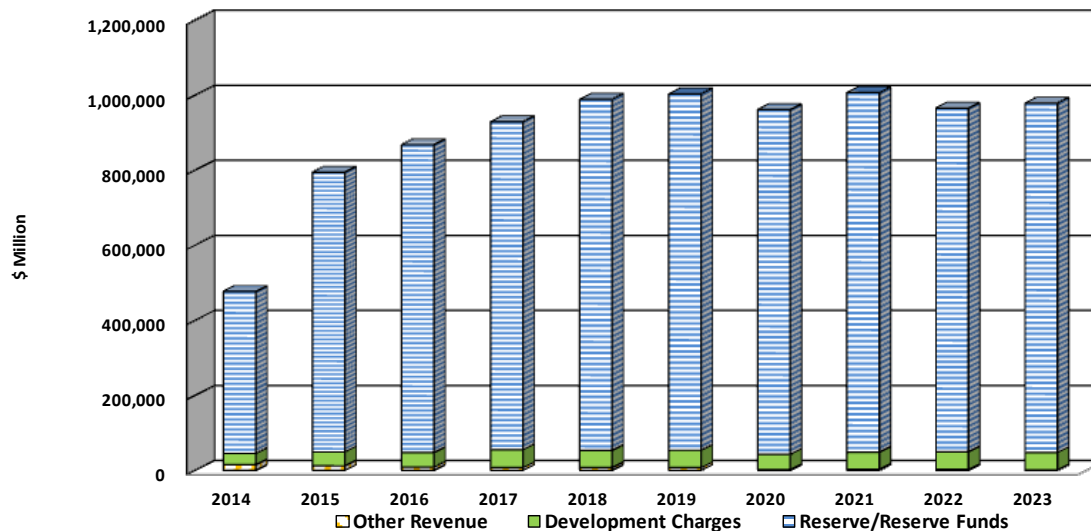
- The most recent regulations were enacted in July 2012 under the Fisheries Act and are the first federal regulations that specifically address municipal wastewater treatment plant effluents. The new federal Regulations impose regulatory requirements beyond those already imposed by the Ontario Ministry of the Environment (MOE) resulting in additional financial impacts to the City.
  - The Ashbridges Bay Effluent System projects directly address the new federal Fisheries Act Wastewater System Effluent Regulations, representing approximately 57.5% or \$584.310 million of the total legislated project funding included in the 10-Year Capital Plan.
  - Other examples of legislated projects are Sewage Pumping Station upgrades and District Water Service Repair projects.
  - 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 (SOGR) projects continue to drive Toronto Water's capital program.
  - \$2.339 billion in funding is for infrastructure renewal projects from 2014 to 2018, representing 57.7% of the 10-Year Capital Plan funding allocated to SOGR projects. Total SOGR funding will amount to \$5.045 billion by 2023, or 56.2% of total funding for Toronto Water's 10-Year Capital Plan.
  - SOGR funding increases in 2015 to \$468.473 million from \$251.730 million in 2014, and averages approximately \$540 million per year from 2016 to 2018.
  - SOGR funding continues at stable levels over the next five year period. SOGR funding trends ensure the continued reduction of Toronto Water's infrastructure renewal backlog from \$1.641 billion in 2013 to \$91.923 million by 2023.
- Service Improvement projects represent approximately 23.8% or \$2.136 billion (\$971.217 million over the first five years) of total funding in the 10-Year Capital Plan.
  - Capital funding for these projects increases consistently over the 10 year period, from \$156.066 million in 2014 to \$273.005 million in 2023, with an annual average funding of \$213 million.
  - Funding for Service Improvement is primarily required for Basement Flooding, Wet Weather Flow Master Plan and Storm Water Management projects with increases in funding levels aligning to the objective of reducing the impact of extreme weather events.
- Growth projects represent approximately 8.2% or \$736.390 million (\$319.798 million over the first five years) of total funding in the 10-Year Capital Plan.
  - Funding for anticipated growth projects such as new and enhanced watermains and service connections is consistent over the 10-Year Capital Plan period, averaging \$41.025 million per year. However, funding for planned significant stand alone projects will vary from year to year based on growth requirements. Examples of stand alone

Growth Related projects included in the 10-Year Capital Plan are Lawrence Allan Revitalization Plan (\$33.561 million) and Regent Park (\$3.212 million) projects.

- During the first 5 years of the 2014 – 2023 Capital Plan period, annual funding for growth projects range from \$30.792 million in 2014 to \$92.730 million in 2017.
- Further increases in funding for growth projects continue over the 2019-2023 period, due to the planned upgrades of transmission of watermain.



**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 and does not require debenture financing.

- The 2014 Capital Budget and 2015-2023 Capital Plan is funded primarily from the Program's reserves, representing approximately 94.5% or \$8.972 billion of total capital financing.
- Capital funding from Toronto Water reserves increases from \$431.477 million in 2014 to \$957.966 million in 2021. This increase in reserve funding coincides with the planned 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 Relief projects.
- It should be noted that year 2014 represents the last year for previously approved annual water rate increases of 9% which were intended to address infrastructure renewal spending which has more than doubled over the last 5 years. After 2014, water rate increases and associated funding are planned at a lower rate (3%) than in the previous years (9% increases since 2006).
- Development Charges (DC) provide approximately 4.7% or \$424.524 million of financing included the 10-Year Capital Plan. The DC funding estimates are based on revenue projections and development charge rates approved by Council at its meeting of October 8, 9 10 and 11, 2013.
- The use of Development Charge funding by increasing available funding has been maximized with funding increased by approximately \$203.8 million over the 10 year period (from \$174.6 million in the 2013-2022 Capital Plan). This will assist Toronto Water in maintaining a relatively healthy reserve balance, without further reducing its capital program.

- Other revenues, such as capital cost sharing with York Region represent 0.8% or \$69.726 million of total capital financing.

## Major Capital Initiatives by Category

Summary of Major Capital Initiatives by Category  
(In \$000s)

	2014 Budget	2015 Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2014 - 2023 Total
<b>State of Good Repair (Including H&amp;S and Legislated Projects)</b>											
Watermain Rehabilitation	30,981	40,371	45,502	63,337	49,976	55,119	60,267	65,419	70,576	74,037	555,585
Watermain Replacement	22,699	60,343	58,220	60,630	84,875	91,000	100,000	104,000	106,000	106,000	793,767
Water Service Repair	17,753	19,625	17,166	17,404	18,233	18,780	19,343	19,923	20,521	20,319	189,067
Sewer System Rehabilitation	19,460	28,961	38,700	37,700							124,821
Sewer Replacement Program	24,699	36,435	36,608	38,096	42,603	47,000	52,000	57,000	57,000	52,000	443,441
Linear Infrastructure Engineering	42,597	58,518	65,107	55,418	55,099	56,209	56,006	49,896	49,463	49,639	537,952
Transmission Watermains	22,661	23,152	23,775	31,071	29,100	32,720	15,260	24,150	19,755	13,550	235,194
Clark Water Treatment Plant	9,207	12,450	12,932	12,754	12,906	12,749	16,150	20,150	20,150	150	129,598
Harris Water Treatment Plant	5,610	10,110	7,170	5,750	11,650	11,500	8,650	8,500	8,650	8,500	86,090
Horgan Water Treatment Plant	1,348	3,454	7,085	4,435	1,085	200	200	200	200	200	18,407
Island Water Treatment Plant	1,596	4,817	5,836	3,915	6,775	12,625	3,775	375	525		40,239
Trunk Sewer System	6,612	18,966	28,109	28,154	24,388	25,038	25,011	25,000	25,000	25,000	231,278
<u>Ashbridges Bay Wastewater Treatment Plant (ABTP)</u>	9,576	37,726	72,070	115,864	141,329	132,269	89,876	117,053	96,030	101,710	
Liquid Treatment and Handling	18,009	45,577	57,820	76,550	102,000	73,500	96,000	96,868	90,865	87,000	744,189
Solids & Gas Handling	1,640	4,250	20,000	28,510	30,310	17,040	17,030	15,100			133,880
Effluent System	502	4,649	13,800	44,410	82,610	94,889	64,167	94,583	89,000	95,700	584,310
Rehabilitation	4,226	12,305	22,028	34,322	25,909	17,840	6,179	4,870	4,530	3,510	135,719
O&M Upgrades	2,457	8,069	7,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	35,526
Odour Control	751	8,453	8,742	6,122							24,068
Highland Creek Wastewater Treatment Plant (HCTP)	8,744	23,976	32,792	28,351	11,920	4,830					110,613
Humber WWTP Liquid Treatment and Handling	14,969	29,207	35,345	55,675	50,362	45,680	41,850	40,370	31,330	17,000	361,788
<b>Sub-Total</b>	<b>238,512</b>	<b>408,111</b>	<b>486,417</b>	<b>558,554</b>	<b>540,301</b>	<b>545,719</b>	<b>488,388</b>	<b>532,036</b>	<b>505,200</b>	<b>468,105</b>	<b>5,515,532</b>
<b>Service Improvements</b>											
Basement Flooding Relief	39,698	81,610	105,292	102,374	100,976	106,500	101,500	97,500	102,500	102,500	940,450
Don & Waterfront Trunk CSO	1,192	6,589	12,347	30,347	40,347	41,000	35,800	31,000	35,000	92,000	325,622
Highland Creek WWTP - Solids & Gas Handling	2,044	9,580	7,823	10,110	32,120	36,120	33,647	30,270	15,042	1,197	177,953
Ashbridges Bay WWTP - Liquid Treatment and Handling					2,000	10,000	10,000	10,000	10,000	10,000	52,000
Storm Water Management End of Pipe Facilities	700	6,800	6,650	6,550	9,590	14,410	20,130	31,680	15,500	30,000	142,010
Implementation of the Wet Weather Flow Master Plan	4,934	4,178	4,650	5,150	6,275	6,700	6,700	6,700	9,500	9,500	64,287
Automated Meter Reading System (AMR)	47,418	45,656	44,675	5,000	-						142,749
Waterfront Sanitary and Storm Water Infrastructure	27,770										
SWM TRCA Funding	3,970	4,069	4,171	4,275	4,382	4,491	4,604	4,719	4,837	4,958	44,476
TRCA Critical Erosion	8,500	7,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	31,500
<b>Sub-Total</b>	<b>136,226</b>	<b>165,482</b>	<b>187,608</b>	<b>165,806</b>	<b>197,690</b>	<b>221,221</b>	<b>214,381</b>	<b>213,869</b>	<b>194,379</b>	<b>252,155</b>	<b>1,921,047</b>
<b>Growth Related</b>											
New Service Connections	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	175,000
New Sewer Construction	0	4,000	8,000	10,000	10,000	12,000	14,000	14,000	14,000	14,000	100,000
Keele Trunk Sewer Design & Construction	500	500	500	1,000	5,000	8,000	10,000	10,000	25,000	25,000	85,500
Horgan Water Treatment Plant Trunk Main Expansion	102	800	6,850	18,850	18,500	17,510	3,010				65,622
Distict Watermain Upgrades	9,563	12,690	13,000	12,000	12,000	14,000	14,000	16,000	16,000	16,000	135,253
Lawrence Allan Revitalisation Plan		6,471	3,354	18,078	2,127	3,531					33,561
Regent Park Capital Contribution		859	330	132	745	287	115	420	162	162	3,212
<b>Sub-Total</b>	<b>27,665</b>	<b>42,820</b>	<b>49,534</b>	<b>77,560</b>	<b>65,872</b>	<b>72,828</b>	<b>58,625</b>	<b>57,920</b>	<b>72,662</b>	<b>72,662</b>	<b>598,148</b>
<b>Total Expenditures by Category</b>	<b>402,403</b>	<b>616,413</b>	<b>723,559</b>	<b>801,920</b>	<b>803,863</b>	<b>839,768</b>	<b>761,394</b>	<b>803,825</b>	<b>772,241</b>	<b>792,922</b>	<b>8,034,727</b>
<b>Major IT Projects</b>											
Business System Infrastructure	200	5,740	3,702	1,711	710	1,210	2,850	2,040	1,440	850	20,453
Asset Management Implementation		500	1,000	1,000	1,000	1,000	1,000	1,000	500		7,000
Business IT Projects	271	280	200	200							951
Business Intelligence Initiatives		280									
Backflow Inspection Portal			200	200							400
Disaster Recovery - DRP	121										121
EDOCS	150										150
<b>Total Major IT Projects</b>	<b>471</b>	<b>6,520</b>	<b>4,902</b>	<b>2,911</b>	<b>1,710</b>	<b>2,210</b>	<b>3,850</b>	<b>3,040</b>	<b>1,940</b>	<b>850</b>	<b>28,404</b>

## Major Capital Initiatives

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.

While state of good repair projects remain a priority given the significant backlog in infrastructure renewal, (estimated at \$1.641 billion at the end of 2013) considerable funding is still provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding and growth related projects, some of which are recovered from Development Charges. Additional financial pressures arising from cost increases associated with the Highland Creek Biosolids Disposal Truck Loading Facility and the Ashbridges Bay Wastewater Treatment Plant Effluent UV Disinfection System, approved by Council in 2011, are also accommodated within the Plan by way of reducing SOGR project funding.

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

- A primary focus of the 2014-2023 Capital Plan is to undertake on-going state of good repair projects for linear infrastructure renewal ensuring the replacement or rehabilitation of aging watermains and sewers and investment in the City's aging wastewater treatment facilities. Approximately \$5.045 billion or 56.2% of the total funding of \$8.971 billion will be allocated to address the SOGR, health and safety and legislated projects over the next 10 years.
- State of Good Repair funding included in the 10-Year Capital Plan will address Toronto Water's SOGR backlog, currently estimated \$1.641 billion by year end 2013 and projected to be reduced to \$91.923 million by year-end 2023, if current funding allocated to State of Good Repair projects is not reduced over the next 10 years.
- The 2014 Capital Budget and 2015-2023 Capital Plan includes funding of \$548.310 million to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$172.740 million is allocated to the legislated odour control projects at Highland Creek and Humber Wastewater treatment plants.

### *Service Improvements*

- The updated Basement Flooding Relief Work Plan adopted in 2011, provided a multi-pronged (lot level, storm drainage, and sewer infrastructure improvements) adaptive management approach to reduce the risk of basement flooding experienced from more frequent extreme storms, capping cost to benefitting property at \$32,000.
- Using this approach in all of the identified 34 chronic basement flooding areas, the 2014 Capital Budget and 2015-2023 Capital Plan will provide \$962.008 million or 45.1% of total service improvement funding to implement the Basement Flooding Relief Work Plan.
- The 2014 Capital Budget and 2015-2023 Capital Plan provides additional funding of \$1.166 billion for other service improvement projects such as:

- The Water Meter Program which includes a systematic metering of the flat rate customers, the City-wide water meter replacement program coupled with the concurrent installation of automated meter reading technology was approved by Council in 2008 (\$132.606 million). The project, anticipated to be completed by 2016, is ahead of its original schedule. As of August 31, 2013, 250,800, new water meters have been installed representing 53% of the installations of the total 470,000 water accounts. At project completion, approximately \$35.0 million per year (\$2.1 million higher than the original project forecast) will be generated through a combination of additional revenues and operating efficiencies. It is anticipated that this project will pay for itself in a less than 7 years.
- Stormwater Management End of Pipe Facilities projects to address most of the storm sewer discharges to the waterfront and all but 9 of the 69 combined sewer overflow discharges in the City (\$142.010 million). Included in the above amount is a \$44.475 million funding contribution for the Toronto and Region Conservation Authority (TRCA) stream restoration and erosion control projects.
- In order to assist the TRCA to mitigate some of the most critical erosion projects resulting from the July 8<sup>th</sup>, 2013 storm, Toronto Water's 10-Year Capital Plan includes an additional funding contribution of \$26.0 million in its 10-Year Capital Plan above the \$4 million already included in the 10-Year Capital Plan. Funding of \$1.5 million is included for Environmental Assessment work on the Scarborough Waterfront and Erosion Control Plan in 2014.
- The implementation of the Wet Weather Flow Master Plan to reduce and ultimately eliminate, the adverse impacts of wet weather flow on the built and natural environments in order to achieve measurable improvements in the ecosystem health of the City's watersheds and waterfront, with an emphasis on improving water quality along the City's waterfront beaches (\$64.287 million).

#### *Growth Related*

- Funding of \$151.152 million is included in the 10-Year Capital Plan for the Trunk Watermain Expansion and Upgrade projects to increase the hydraulic capacity in the Toronto Water supply system, including the F.J. Horgan Filtration Plant. Many of these projects are cost shared with the Region of York.
- The 2014-2023 Capital Plan allocates \$410.253 million in funding for the New Sewer Construction, New Service Connection and Watermain Upgrade projects to provide the necessary servicing capacity for the projected population growth and for the installation of service connections for new homes and developments.

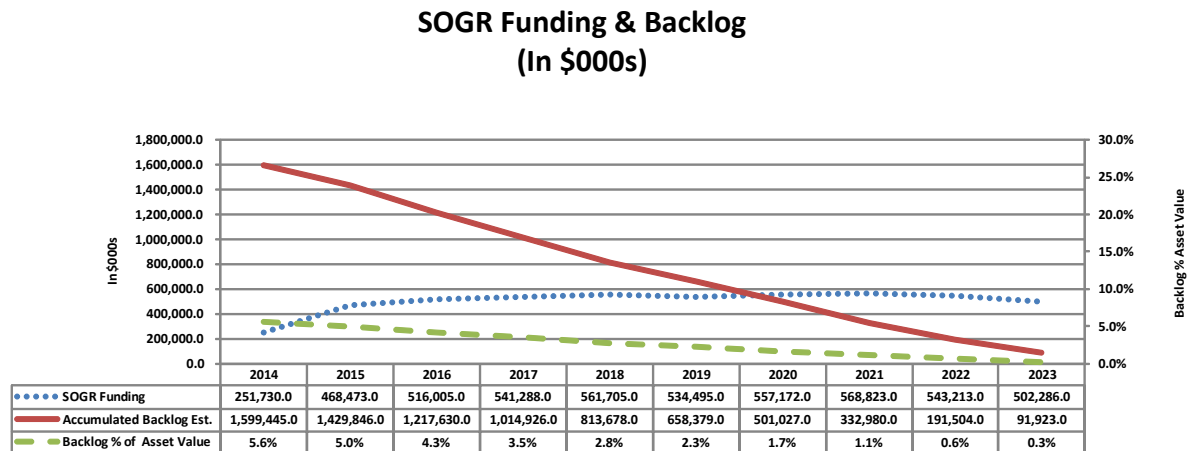
#### *Major IT Projects*

The 10-Year Capital Plan includes funding for information technology projects of \$28.404 million. These projects include:

- Toronto Water Business System Infrastructure projects (\$20.453 million).

- Asset Management Implementation project (\$7.0 million).
- Business Intelligence Initiatives including backflow portal and disaster recovery related projects (\$0.951 million).

## State of Good Repair (SOGR) Backlog



The 10-Year Capital Plan dedicates \$2.339 billion to SOGR spending in the first five years of the Plan (excluding funding carried forward from 2013) and \$2.706 billion over the last five years, which on average is \$505 million annually.

- The replacement value of Toronto Water's assets is 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, while facility/plant assets account for the remaining 26% or \$7.271 billion.
- At the end 2013, Toronto Water will have a backlog of state of good repair work for linear and plant infrastructure renewal estimated at \$1.641 billion, representing 5.8% of its asset replacement value. Approximately 61% or \$1.008 million of the backlog relates to linear infrastructure, with the remaining 39% or \$0.633 million representing facilities.
- In 2013 new state of good repair asset issues have emerged that now require trunk sewer renewal program (\$140.0 million) and wastewater treatment plants digester refurbishment (\$18.800 million).
- 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 \$111.0 million.

- The above linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates continue to be periodically updated to reflect changes in unit rates for replacement and changing condition of the asset.
- The 10-Year Capital Plan dedicates \$5.045 billion (\$2.706 billion during the first five years) or \$505 million on average annually, to undertake state of good repair.
- Significant investments in water and wastewater infrastructure renewal projects will reduce the backlog of SOGR work to \$813.678 million by year-end 2018, representing 2.8% of the asset replacement value. By year-end 2023, Toronto Water will have nearly addressed the Program's SOGR backlog, estimated at \$91.923 million or 0.3% of the asset replacement value, ***if SOGR capital funding is not reduced over the next ten years.***
- State of good repair work is planned across all Toronto Water assets and is prioritized based on the criticality of the asset, the extent of redundancy built into the system in case of failure, the impact of a failure and the coordination of projects to avoid conflicts and reduce construction impact to the public. Method of construction is also factored in to reduce the backlog and trenchless technologies are used where feasible to reduce construction impact and overall cost of the project. All asset categories are currently being funded for SOGR purposes.
- The state of good repair backlog by asset category is presented in the table below:

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

Toronto Water											
Total	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
State of Good Repair Funding	303,457	333,799	468,473	516,005	541,287	561,705	534,496	557,173	568,823	543,213	502,286
Accumulated Backlog Est. (yr end)	1,640,966	1,599,445	1,429,846	1,217,630	1,014,926	813,678	658,379	501,027	332,980	191,504	91,923
Backlog % of Asset Value	5.81%	5.64%	5.03%	4.27%	3.55%	2.83%	2.26%	1.71%	1.12%	0.64%	0.30%
Asset Value	28,255,795	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
<b>Facilities/Plants</b>											
State of Good Repair Funding	114,975	114,050	190,050	220,263	238,203	249,506	192,289	193,434	197,233	165,550	195,750
Accumulated Backlog Est. (yr end)	632,908	660,393	611,877	533,149	436,480	328,508	277,753	225,854	170,155	146,139	91,923
Backlog % of Asset Value	8.70%	9.01%	8.34%	7.27%	5.94%	4.43%	3.60%	2.93%	2.12%	1.82%	0.99%
Asset Value	7,270,723	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
<b>Linear Infrastructure</b>											
State of Good Repair Funding	188,482	219,749	278,424	295,742	303,084	312,199	342,207	363,739	371,590	377,663	306,536
Accumulated Backlog Est. (yr end)	1,008,058	939,053	817,968	684,482	578,446	485,170	380,626	275,173	162,825	45,365	
Backlog % of Asset Value	4.80%	4.47%	3.88%	3.23%	2.72%	2.27%	1.78%	1.28%	0.75%	0.21%	0.00%
Asset Value	20,985,073	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

- By year-end 2013, the accumulated state of good repair backlog for linear infrastructure will be \$1.008 billion or 4.8% of its replacement value; and facility/plant assets accumulated state of good repair backlog will be valued at \$0.633 billion, or 8.7% of their replacement value.
- 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 is planning a significant investment in the linear renewal program over the next 10 years. Approximately \$324 million annually will be dedicated to linear infrastructure renewal needs for a total of \$3.241 billion (\$1.409 billion over the first five years), completely eliminating the state of good repair backlog for this category of assets by year-end 2023.
- The state of good repair of facilities/plants will be addressed by annual funding of \$189 million. Over the 10 year period, approximately \$1.885 billion (\$1.012 billion during the first 5 year period) in funding will be invested to address a significant portion of the accumulated backlog of projects. By the end of 2023, accumulated state of good repair projects for this category of assets is estimated at \$91.923 million or 0.30% of their replacement value (0.6% of the total asset replacement value).
- To address the greater number of accumulated state of good repair backlog projects for facilities/plant assets, the 10 Year Capital Plan allocates a larger portion of funding to this category of assets during the first five years (\$202 million annually) compared to the second five year period (\$189 million annually).
- At the same time, funding for linear infrastructure state of good repair projects will have the opposite trend; annual funding of \$282 million will be invested during the first five year period, increasing to \$352 million over the second five year period. This reflects previous levels of SOGR funding prior to having to accommodate emerging priorities with Toronto Water Capital Program.
- The above backlog reduction forecast can be detrimentally impacted if water consumption/revenues decline beyond the current forecasted declines, if replacement cost increase beyond the current rate of inflation or if other projects take priority over sustaining planned state of good repair backlog program.
- Refer to PART IV: ISSUES FOR DISCUSSION in this document for a more detailed discussion on the cause of Toronto Water's current SOGR backlog, the impact that this backlog has on residents, businesses and visitors of the City and infrastructure renewal projects that will address the backlog over the 2014 – 2023 Capital Plan period.

## 10-Year Capital Plan: Impact on the Operating Budget

Operating Impact Summary  
(In \$000s)

Program Costs, Revenues and Net (\$000s)	2014 Budget	2015 Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2014-2023 Total
<b>2014 Capital Budget</b>											
Program Gross Expenditure	4,632.0	(370.0)	100.0	5,660.0	5,823.0	250.0					16,095
Program Revenue											
Program Costs (Net)	4,632	(370)	100	5,660	5,823	250					16,095
Approved Positions	7.0	5.0	1	4	2	2					21
<b>10-Year Capital Plan</b>											
Program Gross Expenditure			75	49	52	115	2,504	50			2,845
Program Revenue											-
Program Costs (Net)			75	49	52	115	2,504	50			2,845
Approved Positions				1		1		1			3
<b>Total</b>											
Program Gross Expenditure	4,632	(370)	175	5,709	5,875	365	2,504	50			18,940
Program Revenue											-
Program Cost (Net)	4,632	(370)	175	5,709	5,875	365	2,504	50			18,940
Approved Positions	7.0	5.0	1.0	5.0	2.0	3.0	-	1.0			24.0

The 10-Year Capital Plan will increase future year Operating Budgets by a total of \$18.940 million net over the 2014 – 2023 period, as shown in the table above. Approved permanent positions will increase by 24 over the 10-year time frame. This funding is required to sustain the following:

- As a result of previously approved projects, new buildings and processes are coming on line in 2014. Toronto Water requires additional chemicals, energy and utilities, as well as contracted services in the amount of \$4.632 million in 2014, \$0.230 million in 2015, \$0.100 million in 2016, \$5.660 million in 2017, \$5.823 million in 2018, and \$0.250 million in 2019 for the F.J. Horgan Water Treatment Plant, Ashbridges Bay, Humber and Highland Creek Wastewater Treatment (WTT) plants, Sewer Replacement Program, Basement Flooding Program and the Asset Management System sustainment. Savings of \$0.600 million will be generated in 2015 as a result of cogeneration facility upgrades at the Humber WWT plant.
- In addition to the above, there will be operating cost increases in the total amount of \$2.845 million (\$0.075 million in 2016, \$0.049 million in 2017, \$0.052 million in 2018, \$0.115 million in 2019, \$2.504 million in 2020 and \$0.050 million in 2021), emanating from the future Storm Water Management End of Pipe Facilities projects at Etobicoke and Scarborough waterfronts and Wet Weather Flow Master Plan, requiring one new position in each of those years.

Net operating impacts by capital projects are identified in the following table.

### Net Operating Impact by Project (In \$000s)

Project	2014 Budget		2015 Plan		2016 Plan		2017 Plan		2018 Plan		2014 - 2018 Capital Budget Plan		2019 - 2023 Capital Plan	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
<b>Previously Approved Projects</b>														
FJ Horgan WTP Expansion	1,249.0										1,249			
Engineering Studies - Corrosion Control	1,083.0										1,083			
Ashbridges Bay Process & Equipment	-		100.0								100			
Ashbridges Bay WWTP "D" Building and Biofilter	284.0	3									284	3		
Humber Treatment Plant - Chlorine Facility Upgrades	100.0										100			
Humber Treatment Plant - Cogeneration Upgrades	93.0	1	(600.0)	4							(507)	5		
Highland Creek WWTP Process and Facility Upgrades - Biosolids Treatment Upgrades							5,220		5,530		10,750			
Highland Creek WWTP Process and Facility Upgrades - Corrosion Control	100.0										100			
Highland Creek WWTP Process and Facility Upgrades - Solids & Gas Handling	1,690.0	8									1,690	8		
Laboratory Equipment (Warranty Expiry)	20.0		30.0								50			
Metering and Meter Reading Systems	(187.0)	(7)	-								(187)	(7)		
Basement Flooding Relief	200.0	2	50.0	1	100	1	100	1	53		503	5		
SWM End of Pipe Facilities - North Toronto			50.0								50			
Sewer Replacement Program							340	3	240	2	580	5		
Business IT Projects - WMS Project & Implementation													250	2
<b>New Projects - Future Year</b>														
SWM End of Pipe Facilities - Etobicoke Waterfront													50	1
SWM End of Pipe Facilities - Scarborough Waterfront							49	1	52		101	1		
Wet Weather Flow Master Plan													115	1
Ashbridges Bay WWT-Effluent System													2,504	
Ashbridges Bay WWT- Liquid Treatment and Handling					75						75			
<b>Total (Net)</b>	<b>4,632</b>	<b>7</b>	<b>(370)</b>	<b>5</b>	<b>175</b>	<b>1</b>	<b>5,709</b>	<b>5</b>	<b>5,875</b>	<b>2</b>	<b>16,021</b>	<b>20</b>	<b>2,919</b>	<b>4</b>

Toronto Water has identified 24 new positions arising from approval of the 2014-2023 Capital Plan. Additional positions will be required to support and maintain the following:

- Ashbridges Bay Wastewater Treatment Plant Odour Control - D Building Treatment & Biofilter. This project will result in additional state of the art facilities which include significant new mechanical, electrical and instrumentation equipment requiring 3 permanent positions in 2014 to ensure efficiency and reliability of the new assets (\$0.284 million).
- Highland Creek Wastewater Treatment Plant requires 8 new permanent positions in 2014 for its new waste thickening and dewatering facility (0.754 million).
- Humber Creek Wastewater Treatment Plant is in a need of one permanent position in 2014 (\$0.093 million) and additional 4 permanent positions in 2015 (\$0.400 million) to ensure efficiency and reliability of upgraded digesters and cogeneration facility.

- There will be a net reduction of 7 temporary positions in 2014 due to the implementation of automated meter reading system (0.397 million)
- The Basement Flooding Relief Plan will require 2 new permanent positions at cost of \$0.200 million in 2014 one new permanent position at cost of \$0.100 million in each of 2015, 2016 and 2017 year. These positions will ensure the ongoing operational and maintenance program to reduce inflow and infiltration into the sanitary system, which includes sealing of manhole covers, manhole rehabilitation, sanitary sewer relining and cross connection elimination.
- One new position will be required in 2017 and 2021 for new facilities emanating from the future Storm Water Management End of Pipe Facilities projects at Scarborough and Etobicoke respectively.
- New sanitary and stormwater infrastructure will require 3 new positions in 2017 (\$0.300 million) and 2 additional new positions in 2018 (\$0.200 million).
- Future Wet Weather Flow Master Plan projects will result in a requirement for one new permanent position in 2019 (\$0.115 million).
- Another 2 positions will be required to sustain the new Work Management System in 2019 (\$0.250 million).

### Capital Project Delivery: Temporary Positions

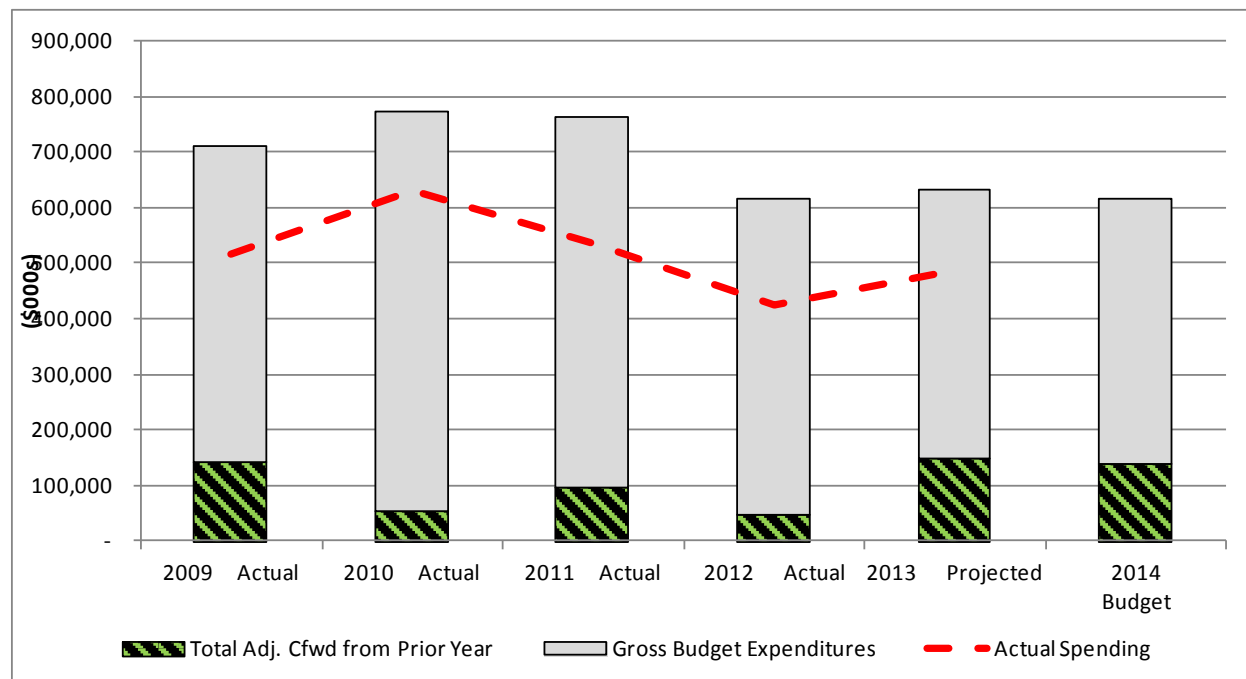
The 2014 – 2023 Capital Budget and Plan will result in a requirement for 6 new temporary capital project delivery positions to implement the Work Management System, completion of which is anticipated in 2019, as outlined in the table below:

Position Title	CAPTOR Project Number	# of Positions	Project Delivery		Salary and Benefits \$ Amount( \$000s)					
			Start Date	End Date (m/d/yr)	2014	2015	2016	2017	2018	2019 - 2023
Manager Work Management System	WAT906334-23 & WAT 907946-7	1.0			111.4					111.4
Support Assistant B		1.0			60.2					60.2
BM Analyst		1.0			90.8					90.8
ETT1		1.0			74.6					74.6
System Integrator 1		2.0			175.2					175.2
<b>Total</b>		<b>6.0</b>			<b>512.3</b>					<b>512.3</b>

- Council approved these 6 temporary capital positions for the delivery of the above capital projects / sub-projects so that the duration for each temporary position does not exceed the life of the funding of its respective capital projects / sub projects.

### Capacity to Spend

#### Capacity to Spend – Budget vs. Actual (In \$000s)



Toronto Water's spending capacity over the previous five years, from 2008 to 2012, averaged \$485.244 million or 83% of its capital budget of \$587.376 million. The above average spending rates of 90.3% and 87.6% were achieved in 2009 and 2010 respectively, reflecting the enhanced capital project activity due to the Federal Infrastructure Stimulus Program, as well as large stand-alone projects such as J.F.Horgan Filtration Plant and Milliken and Dufferin reservoir



expansions. Increased capital spending in those two years depleted capital financing reserves, requiring Toronto Water to limit and scrutinize all new capital expenditure, in order not to exceed their average 80% spending rate in 2011.

Toronto Water's 2013 Capital Budget was 38.4% or \$258.875 million spent as of September 30, 2013. Toronto Water is projecting capital expenditures of 72% or \$485.488 million at year-end. The Rate Model completion rate target for 2013 is 85% for projects funded from the Toronto Water capital financing reserves.

The lower than expected year-to-date spending rate was driven by the complexity of the engineering and design of the linear infrastructure which led to delayed tendering and awarding of the associated contracts. In addition to this, tenders for stand alone water main projects were delayed pending the finalization of crossing agreements with Metrolinx. Other contributing factors include the prevailing ground/site conditions as a result of the persistent wet weather or assessment results.

The 2014 Capital Budget of \$614.770 million, including the unspent funding of \$138.057 million carried forward from 2013, is in line with historic average budgets.

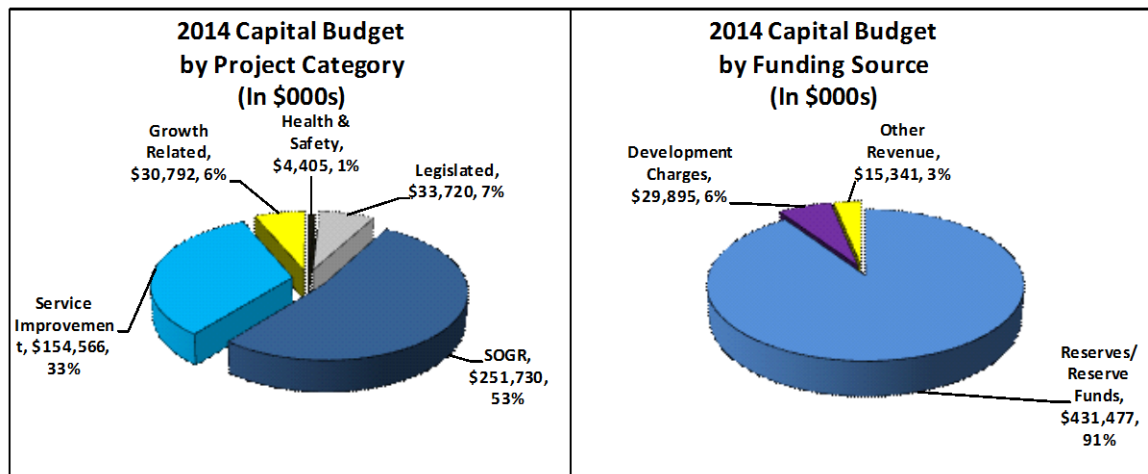
The projected cash flows included in the 2014-2023 Capital Plan reflect the fact that majority of the projects requiring large capital funding, such as Ashbridges Bay WWTP disinfection and outfall construction projects, Highland Creek Biosolids project and Basement Flooding Relief projects, are scheduled for implementation between 2016-2019.

Based on a review of spending experience, adjustments to cashflow funding for a number of projects have been made in 2014:

- Watermain Replacement and Rehabilitation - \$15.080 million deferred to future years.
- Asbridges Bay Wastewater Treatment Plant - \$79.837 million deferred to future years.
- Highland Creek Wastewater Treatment Plant - \$42.334 million deferred to future years.

## IV: 2014 CAPITAL BUDGET

### 2014 Capital Budget by Project Category and Funding Source



*Note: Excludes carry forward funding*

The 2014 Capital Budget, excluding funding carried forward from 2013 to 2014, requires new 2014 cash flow funding of \$476.713 million.

- Health and Safety projects represent \$7.603 million or 1% of the 2014 Capital Budget and include building and electrical upgrades at wastewater treatment plants.
- Funding of \$33.720 million or 7% of the 2014 Capital Budget is allocated to Legislated projects. The most significant project in 2014 is the District Water Service Repair project which includes Lead Water Service Replacement, accounting for approximately 46% of the funding for this category of projects in 2014.
- State of Good Repair projects account for \$251.730 million or 53% of the 2014 Capital Budget providing funding to address emerging SOGR requirements as well as \$41.521 million to address 2.5% of the current SOGR backlog of \$1.641 billion. Approximately \$98.210 million or 39% of the total 2014 SOGR funding will be dedicated to the watermain and sewer replacement and rehabilitation projects.
- Service Improvement projects represent 33% or \$156.066 million of the total new cash flow funding for 2014. Examples of service improvement projects include biosolids treatment and disposal, wastewater treatment plant odour control, Water Metering Program, Basement Flooding Relief Work Plan, elements of the Wet Weather Flow Master Plan and, wastewater treatment plant optimization.
- Growth projects account for 6% or \$30.792 million of 2014 funding and include initiatives for improving water efficiency, reducing water loss and expansion projects required for future water supply and wastewater treatment demand.
- Toronto Water's 2014 Capital Budget continues to be self-sustaining and does not require debenture financing. It does not impact the municipal property tax levy.

- The 2014 Capital Budget is funded primarily from the Program's reserves, which accounts for approximately 91% or \$431.477 million of total financing.
- Development charges provide funding of \$29.895 million or 6% of the 2014 Capital Budget.
- Capital cost sharing with York Region for construction of new water and sewer connections, represent 3% or \$15.341 million of 2014 funding.

**2014 Cash Flow & Future Year Commitments**  
(In \$000s)

	2014 New Cash Flow	2014 Total Cash Flow	2013 Carry Forwards	Total 2014 Cash Flow (Incl 2012 C/Fwd)	2015	2016	2017	2018	2019	2020	2021	2022	2023	Total Cost
<b>Expenditures</b>														
Previously Approved	657,198	657,198	138,057	795,255	466,680	301,777	208,576	103,774	100,886	100,595	76,240	70,880		2,224,663
Change in Scope	(285,397)	(285,397)		(285,397)	107,277	242,089	244,002	175,680	78,304	(13,284)	(10,909)	(14,201)	52,152	575,713
New														
New w/Future Year	104,912	104,912		104,912	109,593	82,795	70,213	14,910	6,910	4,550	300	280		394,463
<b>Total Expenditure</b>	<b>476,713</b>	<b>476,713</b>	<b>138,057</b>	<b>614,770</b>	<b>683,550</b>	<b>626,661</b>	<b>522,791</b>	<b>294,364</b>	<b>186,100</b>	<b>91,861</b>	<b>65,631</b>	<b>56,959</b>	<b>52,152</b>	<b>3,194,839</b>
<b>Financing</b>														
Debt/CFC														
Reserves/Res Funds	431,477	431,477	135,049	566,526	642,410	595,316	489,920	272,003	171,026	88,918	65,135	56,784	51,977	3,000,015
Development Charges	29,895	29,895	2,386	32,281	28,984	22,926	26,656	16,356	9,390	1,966	496	175	175	139,405
Other	15,341	15,341	622	15,963	12,156	8,419	6,215	6,005	5,684	977	-	-	-	55,419
<b>Total Financing</b>	<b>476,713</b>	<b>476,713</b>	<b>138,057</b>	<b>614,770</b>	<b>683,550</b>	<b>626,661</b>	<b>522,791</b>	<b>294,364</b>	<b>186,100</b>	<b>91,861</b>	<b>65,631</b>	<b>56,959</b>	<b>52,152</b>	<b>3,194,839</b>

Toronto Water's 2014 Capital Budget is \$614.770 million, including funding carried forward from 2013 into 2014 of \$138.057 million. It includes 2014 commitment funding for previously approved projects of \$657.198 million, and (\$180.485 million) for new/change in scope projects.

- Over and above \$1.429 billion already committed for previously approved projects from 2015 to 2022, the 2014 Capital Budget will result in future year funding commitments for new/change in scope projects of \$216.870 million in 2015; \$324.884 million in 2016; \$314.215 million in 2017; \$190.590 million in 2018, \$85.214 million in 2019, (\$8.734 million) in 2020; (\$10.609) million in 2021, (\$13.921) million in 2022, and \$52.152 million in 2023.
- 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 Metering Program; Horgan Water Treatment Plant Expansion; Transmission Watermains; Wastewater Treatment Plant Upgrade Projects; Basement Flooding Relief Work Plan and Watermain Replacement. The use of multi-year contracts has allowed Toronto Water to increase its capital delivery rate.

## 2014 Capital Project Highlights

2014 Capital Project Highlights  
(In \$000s)

Project	Total Project Cost	2014	2015	2016	2017	2018	2014 - 2018	2019	2020	2021	2022	2023
ASHBRIDGES BAY T.P. - III YR2004	3,540	1,130	1,530	50	30		2,740		400	400		
ASHBRIDGES BAY T.P. YR2006	4,686	825	1,635	2,226			4,686					
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	16,155	1,120	3,120	4,105	2,560	2,200	13,105	1,000	50			
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	585,021	1,213	2,949	3,500	4,410	1,610	13,682	889	167	83		
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	806,533	28,353	45,577	57,820	75,550	80,000	287,300	51,500	56,000	54,868	48,865	45,000
ASHBRIDGES BAY WWTP - O&M UPGRADES	36,788	3,719	8,069	5,000			16,788					
ASHBRIDGES BAY WWTP - ODOUR CONTROL	25,614	2,297	8,453	8,742	6,122		25,614					
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	135,840	3,600	4,250	15,000	13,510	10,310	46,670	2,040	2,030	100		
ASHBRIDGES BAY WWTP REHAB	168,439	16,684	23,452	24,608	26,846	16,695	108,285	10,085	1,869	560	220	200
ASHRIDGES BAY TP YR2005	14,469	4,357	5,233	3,172	1,008	699	14,469					
AVENUE ROAD TRUNKMAIN REPLACEMENT	3,835	335	1,500	2,000			3,835					
BASEMENT FLOODING RELIEF	962,008	61,256	81,610	105,292	102,374	52,525	403,057	39,500	9,500	5,500	5,500	5,500
BUSINESS IT PROJECTS	6,535	1,505	1,455	1,425	1,175	975	6,535					
BUSINESS SYSTEM INFRASTRUCTURE - PW	39,983	8,830	10,931	3,526	1,918	792	25,997					
CLARK RESIDUE MGMT. FACILITIES	650	200	450				650					
CONVEYANCE CONTROLS - REPLC & REHAB	85	65	20				85					
D2/D4 TRUNK WATERMAIN UPGRADES	55,925	1,300					1,300					
DIST SEWER REHAB OPS YR2005	500	300	188	12			500					
DIST W/M REHABILITATION	565,283	40,679	40,371	39,500	35,000		155,550					
DIST W/M REPLACEMENT	941,721	44,963	31,583	3,600	1,000	875	82,021					
DIST WATER SERVICE REPAIR	189,463	18,149	19,625	9,250	9,250		56,274					
DISTRICT WATERMANS - NEW	4,544	194	350	500			1,044					
DON & WATERFRONT TRUNK CSO	326,262	1,832	6,589	11,347	10,347	10,347	40,462	11,000	5,800			
DOWNTOWN W/M ENHANCEMENT	40,705	19,385	14,298	7,015	7		40,705					
EMERY CREEK POND	5,510	2,410	2,550	550			5,510					
ENGINEERING	403,522	38,898	9,273	13,561	11,824	10,890	84,446	8,320	5,252	2,250	1,400	1,130
ENGINEERING STUDIES	9,329	6,978	1,751	50			8,779					
EQUIPMENT REPLACEMENT & REHABILITATION	10,735	730	2,520	2,330	3,155	2,000	10,735					
FJ HORGAN W.T.P. R&R	18,967	1,908	3,454	6,200	3,550	200	15,312					
HARRIS W.T.P. R&R	95,263	6,033	9,910	5,670	250		21,863					
HIGHLAND CREEK T.P. - IV YR2004	271	205	63	3			271					
HIGHLAND CREEK TP YR2005	885	250	317	313		5	885					
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	11,998	1,498	3,500	4,000	3,000		11,998					
HIGHLAND CREEK WWTP - ODOUR CONTROL	112,455	5,460	15,510	15,480	15,800	15,100	67,350	10,005				
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	159,894	2,850	7,300	7,047	3,000	3,000	23,197	2,000	250	250		
HIGHLAND CREEK WWTP UPGRADES	140,716	15,995	25,256	31,415	27,211	14,230	114,107	6,650	397	20	42	
HORGAN TRUNK MAIN EXPANSION	65,622	102	800	6,850	18,850	18,500	45,102	17,510	3,010			
HORGAN W.T.P. EXPANSION	9,945	3,815	6,130				9,945					
HUMBER T.P. - II YR2004	297	105	180	5	7		297					
HUMBER TP YR2005	3,160	1,518	1,020	421	100	101	3,160					
HUMBER WWTP - LIQUID TREATMENT & HANDLING	270,751	4,865	8,328	3,491	3,225	3,112	23,021	3,930	600	120	80	
HUMBER WWTP - O&M UPGRADES	17,388	5,200	8,884	3,304			17,388					
HUMBER WWTP - ODOUR CONTROL	65,000	5,000	15,000	20,000	20,000	5,000	65,000					
HUMBER WWTP UPGRADES	51,795	11,590	10,825	8,585	2,470	2,260	35,730	1,750	1,250	250	250	
ISLAND PLANT WINTERIZATION	558	170	388				558					
ISLAND W.T.P. R&R	27,400	150	700	550	250	250	1,900	250	250			
ISLAND W.T.P. R&R	16,275	3,397	4,317	2,961			10,675					
Land Acquisition for Source Water Protect	15,500	8,500	7,000				15,500					
LAWRENCE ALLAN REVITALIZATION PLAN	33,561	-	6,471	3,354	18,078	2,127	30,030	3,531				
METERING & METER READING SYS	142,781	47,450	45,656	44,675	5,000		142,781					
NEW SERVICE CONNECTIONS	175,000	17,500	17,500				35,000					
NEW SEWER CONSTRUCTION	100,202	202	1,000				1,202					
NORTH TORONTO WTP UPGRADES	3,234	767	915	777	522	253	3,234					
OPERATIONAL SUPPORT	37,956	3,553	4,353	4,500	5,000	4,300	21,706	500				
PW ENGINEERING	18,961	2,068	2,013	1,160	1,360	1,160	7,761	1,000				
REGENT PARK CAPITAL CONTRIBUTION	3,212	-	859	330	132	745	2,066	287	115	420	162	162
RL CLARK W.T.P. R&R	130,361	10,420	12,000	12,782	12,604	10,032	57,838	25				
SEWAGE PUMPING STATION UPGRADES	61,629	9,255	5,442	2,052	400		17,149					
SEWER ASSET PLANNING	121,195	7,357	13,023	12,615	12,000	12,000	56,995	11,000	4,000			
SEWER REPLACEMENT PROGRAM	482,346	61,063	17,976	3,608	1,096	603	84,346					
SEWER SYSTEM REHABILITATION	466,578	26,141	33,655	44,963	42,962	4,020	151,741	20				
STREAM RESTORATION & EROSION CONTROL	102,590	8,040	9,000	5,370	2,500	310	25,220	160	160	310	160	160
SWITCH GEAR TRANSFORMER	13,660	1,025	6,400	6,235			13,660					
SWM TRCA FUNDING	44,476	3,970					3,970					
SWM END OF PIPE FACILITIES	142,510	1,200	6,800	6,650	5,400	5,250	25,300	2,450	150			
SWM SOURCE CONTROL PROG	850	150	150	250	150	150	850					
TRANSMISSION OPERATIONS OPTIMIZER	560	560					560					
TRANSMISSION R&R	83,582	4,864	11,879	4,135	1,064	700	22,642	460	400	300	280	
TRUNK SEWER SYSTEM	318,362	8,696	19,466	23,109	5,154	388	56,813	38	11			
TRUNK WATERMAIN EXPANSION	28,160	610	600	550	400		2,160					
W&WW LABORATORIES	19,570	120	150				270					
WATER EFFICIENCY PROGRAM	5,200	520	520	520	520		2,080					
WATER STORAGE EXPANSION	60	30	30				60					
WATER SUSTAINABILITY PROGRAM	11,300	200	2,750	4,350	4,000		11,300					
WESTERN BEACHES RETROFIT	5,900	800	2,550	2,550			5,900					
WET WEATHER FLOW MP	67,244	7,891	4,178	1,650	650	650	15,019	200	200	200		
WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH	400	400					400					
<b>Grand Total (Including carryforward funding)</b>	<b>9,069,260</b>	<b>614,770</b>	<b>683,550</b>	<b>626,661</b>	<b>522,791</b>	<b>294,364</b>	<b>2,742,136</b>	<b>186,100</b>	<b>91,861</b>	<b>65,631</b>	<b>56,959</b>	<b>52,152</b>

The 2014 Capital Budget provides funding of \$614.770 million to:

- Continue state of good repair projects to address infrastructure renewal such as District Watermain Replacement and Rehabilitation (\$91.035 million) and Sewer System Replacement and Rehabilitation (\$85.793 million );
- Continue the implementation of the Wet Weather Flow Master Plan (\$33.336 million);
- Continue the Basement Flooding Relief project (\$61.256 million);
- Continue the implementation of the Water Metering Program (\$47.450);
- Continue with contribution to the TRCA for stream restoration and erosion control projects (\$10.970 million)
- Complete Class EA studies for all remaining basement flooding areas by the end of 2014. In 2014 studies for 18 basement flooding areas will be ongoing and are expected to be completed by the end of 2014. Wards include: 7, 8, 9, 10, 11, 13, 15, 16, 23, 24, 25, 26, and 31.
- Begin the Chemical and Residuals Management project at Island Water Treatment Plant (\$0.150 million).



## V: ISSUES FOR DISCUSSION

### 2014 Issues

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

- The water and wastewater infrastructure renewal backlog is a recognized problem within older municipalities across North America. The construction of water and wastewater infrastructure has generally aligned with urban growth cycles; and much of this older infrastructure is currently at or reaching the end of its expected service life.
- 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 \$28.256 billion with some infrastructure dating back to the 1800s. As the majority of Toronto Water's infrastructure is reaching the end of its expected service life, an average of 1400 watermain breaks per year is experienced in Toronto, which represents the highest break rate in Ontario.
  - For example, 14% of the City's 5,500 kilometers of watermain was installed before the 1920s, and the thinner-walled watermains installed in North York and parts of Scarborough during high growth periods in the 1950s, representing 16% of the City's watermain network, are also reaching the end of their lifecycle, resulting in a significant renewal backlog.
- The need to reduce pipe breaks and subsequent leaks is essential to minimize the following:
  - Disruption to local residential; traffic; and, business activities.
  - Significant repair and rehabilitation costs for affected roads and underground utilities.
  - Risk to providing inadequate fire protection to high-rise buildings
  - Increased energy consumption and related CO2 emissions as pumps and motors must work harder to deliver service.
  - Lost revenues from lost water sales.
- The 10-Year Capital Plan provides State of Good Repair funding of \$5.045 billion with annual cash flow funding of: 2014- \$251.730 million; 2015 – \$468.473 million; 2016 - \$516.005 million; 2017 – \$541.288 million; 2018 - \$561.705 million; 2019 - \$534.495 million; 2020 - \$557.172 million; 2021 - \$568.823 million; 2022 - \$543.213 million; and, 2023 - \$502.286 million that will contribute towards reducing the watermain break rate.
- 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 asset class, coupled with recently completed assessments of water and wastewater treatment facilities.
- Toronto Water's State of Good Repair Backlog is currently forecasted to be nearly addressed within 10 years with sustained funding increases. The 10-Year Capital Plan

includes average annual funding of \$505 million to address the state of good repair backlog, which will be reduced from \$1.641 billion in 2013 to \$91.923 million by 2023. By 2023, residual backlog will only relate to facilities/plants assets, as the backlog of linear infrastructure state of good repair projects will be completely eliminated by that time.

- Linear infrastructure renewal projects over the next 10 years will result in extensive construction across the City within its roadways. To minimize disruption to the public, extensive coordination with all stakeholders will be required although scheduling may be adjusted as an outcome of the coordination process.
- The above backlog reduction forecast however, can be detrimentally impacted if water consumption/revenues decline beyond the current forecasted declines, thereby reducing available funding, if replacement costs increase beyond the current rate of inflation, or if other key projects take priority over the state of good repair backlog program.
- 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. Further, stream restoration needs to address existing erosion scars across the City; and mitigate future stream erosion are also not included in the analysis.

### *Capacity to Spend*

Toronto Water's spending rates over the past five years are presented below.

**Toronto Water's Spending Capacity**

Year	Budget	Actual	Variance	Spending Rate
2008	410,000.00	318,429.00	121,846.00	77.7%
2009	569,911.00	514,843.00	198,168.00	90.3%
2010	720,672.00	630,993.00	155,477.00	87.6%
2011	668,365.00	536,198.00	155,477.00	80.2%
2012	567,931.00	425,759.00	142,172.00	75.0%
2013*	674,775.00	485,488.00	189,287.00	71.9%
<b>TOTAL</b>	<b>3,611,654.00</b>	<b>2,911,710.00</b>	<b>962,427.00</b>	
<b>2008 - 2012 Avg</b>	<b>587,375.80</b>	<b>485,244.40</b>	<b>154,628.00</b>	<b>82.6%</b>
<b>2008 - 2013 Avg</b>	<b>601,942.33</b>	<b>485,285.00</b>	<b>160,404.50</b>	<b>80.6%</b>

\* Includes projected actuals based on the Q3 Variance Report

- Toronto Water's spending capacity over the previous five years, from 2008 to 2012, averaged \$485.244 million or 83% for an average capital budget of \$587.376 million. The last several years have shown an overall increase in capital spending (\$318.429 million in 2008, compared to \$425.759 million in 2012). As of September 30, 2013, the projected spending rate for 2013 is 72%.
- The highest spending rates of 90% and 88% were achieved in 2009 and 2010 respectively and are reflective of the increased capital activity due to the implementation of the Federal Infrastructure Stimulus, as well as large stand-alone projects such as J.F.Horgan Filtration Plant and Dufferin & Miliken reservoir expansions. However, increased capital spending in

those two years depleted capital financing reserves, requiring Toronto Water to limit and scrutinize all new capital expenditure, in order not to exceed their average 80% and 85% spending rate in 2011 and 2012.

- For 2014, cashflow funding is set at \$614.770 million (with carry forward funding), which is in line with the historical program average annual budgets. Starting in 2015 annual cash flows will be increasing to \$0.989 million in 2017 and \$1.003 billion in 2018 and stay in a range of \$0.900 million until 2023.
- The planned cash flow funding in the 2018-2023 Capital Plan period reflects the fact that the majority of the projects requiring large capital funding, such as the Ashbridges Bay WWTP disinfection and outfall construction projects, Highland Creek Biosolids project and the Basement Flooding Relief projects, are scheduled for implementation between 2016-2019. Although these projected cash flow funding requirements represent significantly higher spending compared to the historic average annual cash flows and spending rates, larger stand alone facility projects also had had higher spending rates than linear infrastructure projects and are considered achievable.

### *Extreme Weather Events*

- The City of Toronto has experienced wide spread surface and basement flooding as a result of extreme storm events. The most impacted areas were those the City developed during the 1950s and 1960s, with separated storm and sanitary sewer systems, and which have also had a history of basement flooding complaints during extreme storm events.
  - 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 drainage system is exceeded, basement flooding quickly will occur and spread quickly. More than 4,700 basement flooding complaint were received during and immediately following the storm.
- In April 2006, Council approved a Basement Flooding Protection Work Plan requiring a comprehensive engineering review to address chronic basement flooding problems. As directed by Council, storm drainage improvements are being made to provide protection from a 1 in 100 year return frequency storm event, up from the current 1 in 2 to 1 in 5 year return frequency storm, are being implemented where feasible, as part of the City's Climate Change Adaptation Strategy.
- To enhance the City's drainage systems another two other components were added to the Basement Flooding Protection Program: a mandatory downspout disconnection program 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 eliminate the risk of storm sewer back-ups.

- To date 34 Chronic Basement Flooding Study Areas have been identified. A number of Environmental Assessment studies to investigate the causes of both basement and local surface flooding, and identify sewer system improvements to reduce the risk of future basement flooding during extreme events, have already been completed and remedial works have been underway since late 2009. 33 of the 34 of the Basement Flooding Protection Program studies are to be completed by the end of 2014 with the final one to be completed in 2015.
- 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, \$91.0 million has been spent to upgrade over 1,300 kilometres of storm and sanitary sewers, build 2 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 2014 – 2023 Capital Budget and Plan includes \$940.450 million in funding (excluding funding carried forward from 2013) for Basement Flooding Relief projects which were part of the original Basement Flooding Protection Program. Despite this level of funding, Toronto Water faces the following challenges:
  - Demand for the basement flooding subsidy continue to increase as a result of extreme weather events. There is another estimated \$160.000 million in unfunded pressures over the 2014-2023 period.
  - Remedial costs are higher than the defined threshold of \$32,000, thus addressing a small number of benefiting properties.
- The cost to implement priority projects across all 34 study areas need to be continuously updated, as Class Environmental Assessment Studies are completed. With the experience of the July 8, 2013 event it is anticipated that there will be competing interests regarding the sequencing of future EA studies and a need to weigh the flooding risks between the areas.
- A detailed report from the General Manager Toronto Water titled "Impact of July 8, 2013 storm on the City's Sewer and Stormwater Systems" was approved by Council at its meeting of October 8, 9, 10 and 11, 2013. The noted staff report can be viewed at <http://www.toronto.ca/legdocs/mmis/2013/pw/bgrd/backgroundfile-61363.pdf>.
- The report outlines the following key lessons learned from the storm of July 8, 2013 :
  - If a future rainfall event exceeds the enhanced level of service being pursued by the Basement Flooding Protection Program, basement flooding could still occur even if the drainage systems of the area have been upgraded.
  - Where the City's systems have sufficient capacity to accommodate the size of storm event that occurs, basement flooding can still occur due to poor drainage practices or poorly maintained systems within or adjacent to private residences.

- No two storms are the same and storms can strike parts of the City that have not been impacted heavily in the past. In other words, a past history of flooding complaints is not a complete indicator of future risk for basement flooding.
- The above shows the need to expand the original Basement Flooding Protection Program across the City. Currently, basement flooding study areas cover only 26% of the City, the remaining 74% has not been assessed yet.
- The Capital Plan impact for undertaking the studies on a city-wide basis is estimated to be \$4.0 million per year, beginning in 2015, and continuing for an estimated 12-15 years using existing staff resources to project manage the consulting assignments. Accelerating the expanded Basement Flooding Protection Program, so that it is completed sooner, will require additional annual increases to Toronto Water's Capital and Operating Budgets to hire more engineering consultants and staff within Toronto Water to manage the projects.
- The estimated cost to construct projects identified by the EA studies in an expanded city-wide Basement Flooding Protection Program (that includes construction projects not presently within the existing 34 priority study areas) will require additional capital funding beyond the 10 year plan period. The capital cost implications are not definitive at this time, but are currently estimated at \$326.0 million with anticipation that the amount can be well over that amount once the studies are complete.
- In approving the above report, 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.

### *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 2014-2023 Capital Budget and Plan includes a total of \$44.476 million over a 10-year period.

In order to address some of the most critical erosion projects arising from the storm of July 8<sup>th</sup>, 2013, an additional TRCA contribution of \$26.0 million is in Toronto Water's 10-Year Capital Plan (\$7.0 million in each 2014 and 2015, and \$2.0 million annually thereafter) in addition to the \$4.0 million previously included in the 10-Year Capital Plan.

At its meeting of July 16, 17, 18 and 19, 2013 City Council directed the City Manager in consultation with Toronto Water and the Toronto and Region Conservation Authority, to prepare a report to the Executive Committee before the end of 2013 on budgetary and other requirements to minimize the impact of similar future storm events on private and public property within the City of Toronto.

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.

City Council's above request will be addressed as appropriate.

### *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) which expanded on existing policy and practice for water testing for the protection of human health and the prevention of drinking water health hazards. Regulations passed under the Act require municipalities to 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. The new federal Regulations 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 (MOE).
- With respect to wastewater treatment plants, the new federal Regulations impose:
  - Strict limits for final effluent quality, which were not previously regulated by the MOE, related to un-ionized ammonia, acute lethality testing, and total residual chlorine.
  - Methods for testing effluent quality.
  - Flow monitoring.
  - Record keeping.
  - Reporting.
- The regulations also contain requirements for annual reporting of combined sewer overflow (CSO) discharges within the City.
- Toronto Water has developed an action plan to address the new federal Fisheries Act Wastewater Systems Effluent Regulations by January 2015, requiring increased capital and operating funding as noted below:
  - Capital Costs already included in Toronto Water's 2014-2023 Capital Budget and Plan:
    - Design and construction of a new effluent disinfection system at the Ashbridges Bay Wastewater Treatment Plant estimated at \$205.4 million.

- Development of a hydrologic/hydraulic computer simulation model to provide for the annual reporting of combined sewer overflow discharges within the City's combined sewer system estimated at \$0.400 million.
- Increase in annual operating costs estimated at \$1.3 million included in the 2014 Operating Budget:
  - Additional hydro costs to eliminate the effects of ammonia toxicity in the Ashbridges Bay Wastewater Treatment Plant effluent (\$1.0 million per year).
  - Increased cost associated with the requisite wastewater treatment plant monitoring and reporting requirements to Toronto Water's annual Operating Budget (\$0.2 million per year).
  - Increased costs associated with the requisite combined sewer overflow reporting requirements (\$0.1 million per year).

### *Major Capital Projects – Status Update*

- At its meeting of October 24th, 2012, the Audit Committee considered a report from the Auditor General entitled "a Mid-Term Review of the Union Station Revitalization: Managing Risks in a Highly Complex Multi-Year, Multi-Stage, Multi-Million Dollar Project". The report recommended that enhanced oversight and reporting to promote accountability and transparency should be undertaken. The following information is being presented on Toronto Water's water meter program currently under way:
- **Water Meter Program:**
  - The City of Toronto is currently implementing a mandatory water meter program (Water Meter Replacement and Automated Meter Reading (AMR) System) that will replace or install new automated meters in every home and business in the city to provide an equitable system for all Toronto Water customers. As a result, customers will only pay for the water they actually use under the new system.
  - The program is being rolled out on a ward-by-ward basis over a six-year period, beginning in 2010 and ending in 2015. The scope of work under the water meter replacement program involves the installation of new automated meters for approximately 474,000 water accounts.
  - At the start of the project, there were approximately 68,000 flat rate accounts, and 406,000 accounts with existing meters that required replacement. Of the 406,000 existing metered accounts, 390,000 were associated with small meters and 16,000 with large meters.
  - As of August 31, 2013, 250,800 new water meters have been installed under the program representing 53% of the installations of the total 474,000 water accounts. There are 223,200 water meters remaining to be installed and the project is expected to be substantially complete by the end of 2015, ahead of the original schedule and well before the sixth anniversary of the first installation.



- In 2008, the total project cost was set at \$219.0 million, including \$15.2 million for the project contingency. As of August 31, 2013, project expenditures total \$87.8 million or 40% of the \$219.0 million upset limit. The total projected expenditures are forecasted to be \$186 million or 85% of the \$219 million project costs. Most of the \$33 million difference between the forecasted total and the upset limit is due to less extensive installation work associated with large meters and lower than anticipated commodity and labour prices.
- In 2008, the anticipated financial benefits from the water meter program were expected to be approximately \$32.3 million per year once the system was fully implemented. The benefits were to be realized through a combination of additional revenues (\$27.3 million associated with the replacement of the City's aging meters and the conversion of flat rate accounts) and operating efficiencies (\$5 million associated with the implementation of an automated, radio frequency-based reading system).
- At project completion, the additional annual revenue as a result of the new meters is expected to be \$29.4 million, which is \$2.1 million higher than the original project forecast. Operating savings were expected to be \$5 million annually. Toronto Water is on target to achieve these savings and related efficiency savings are included in the 2014 Operating Budget and the 2015 and 2016 Outlooks.
- A detailed report from the General Manager Toronto Water, titled "Update on the Water Meter Program" was presented to the Public Works and Infrastructure Committee at its meeting of October 21, 2013.

### *The Metrolinx Rapid Transit Program*

- In 2012, Toronto City Council authorized the City to enter into a Master Agreement for the implementation of a Provincially-funded Toronto light rail transit program, which agreement the City signed with the TTC and Metrolinx.
- The Master Agreement requires Metrolinx to protect, relocate or replace City infrastructure that is impacted by the Transit Program. All relocation and replacement work, which must meet pre-construction service levels and current standards, will be completed and paid for by Metrolinx, with the exception of construction work planned by the City in the corresponding locations that was identified in the City's five-year capital expenditure plan for 2013 to 2017, to which the City will make a financial contribution.
- The City can enhance capacity, service levels, or standards of City infrastructure at the time of its relocation or replacement by Metrolinx. If the City takes advantage of this opportunity, the City will only be required to pay Metrolinx for the incremental cost of the enhancements. Toronto Water (and Transportation Services) have identified a preliminary list of capital projects that Metrolinx could construct for the City in the course of construction of the Transit Program.
- The City may identify other opportunities to coordinate City infrastructure projects with Metrolinx as the latter provides the City with more information pertaining to the scope and

schedule of the Transit Program, including City infrastructure that will be impacted by transit construction.

- Subsequent needs will be identified and quantified through the budget process. It is recommended that in the event that funding is not available in an approved budget to pursue new or additional City infrastructure, but staff feel that it is financially prudent to proceed, appropriate authorities will be sought.
- The report titled "*Upgrading City Infrastructure During Construction Of the Metrolinx Transit Program*" seeking authorities that will permit the City to coordinate its own infrastructure projects with the first phase of Metrolinx's Toronto light rail transit program to avoid multiple construction disruptions in the same location and to capitalize on any cost savings that may be available, was considered and recommendations adopted by the Executive Committee on July 3, 2013.
- All projects identified in Toronto Water's preliminary list are funded in the 2014-2023 Capital Budget and Plan.

## Future Year Issues

### *Water Consumption Forecast*

- As noted in the 2014 Water and Wastewater Rates 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 2006-2012 period, Toronto's water consumption has declined approximately 10%, from 377 to 340 million cubic metres.
- Although water consumption was forecasted to decline by 1.5% in 2013, it is not as great as anticipated. 2013 water consumption is expected to be about 1.0% lower than 2012 actual consumption, which can be mostly attributed to impacts of the July 8 storm. Up to the month of June, water consumption was fairly consistent with comparable period in 2012. The base forecasted consumption utilized in water rate modeling is estimated to decrease by 1.0% in each 2014 and 2015 compared to 2012 actuals.
- It is important to note that uncertainty in revenues from the sale of water which continues to be a challenge for Toronto Water.

### *Capital Funding Pressures and Unfunded Emerging Capital Priorities*

- Although Toronto Water's Capital Program continues to be 100% self sustaining, largely through water revenues (with no debenture financing and no impact on the municipal property tax levy), declining water consumption trends, accelerated capital spending and emerging priorities continue to place significant pressure on the long term capital program.
- In 2012, Toronto Water's portfolio of capital projects had to be reduced by \$1.132 billion or 14% compared to the 2011 – 2020 Capital Plan in order to replenish the Water Stabilization Reserve and to re-establish sufficient Water Capital Financing Reserve balances by 2014 (\$60 million from 2012-2014), affecting the following projects:

- Watermain Renewal (Replacement & Rehabilitation) projects to address state of good repair issues were reduced by a total of \$185.493 million from 2012 to 2020.
  - Wet Weather Flow Master Plan projects were reduced by a total of \$436.578 million from 2012 to 2020;
  - Storage and Pumping Facilities projects were reduced by a total of \$370.768 million from 2012 to 2020;
  - Transmission Watermain projects were reduced by a total of \$308.474 million from 2012 to 2020; and
  - Basement flooding program projects were reduced by a total of \$127.306 million from 2012 to 2020.
- Concurrently with deferring projects valued at \$1.132 billion in 2012, there is an estimated \$766.0 million in additional funding required to address unbudgeted projects over the 2014-2023 period. Another \$1.870 billion is required post 2023, for combined sewer overflows and improving water quality in the Don River and Waterfront, as well as water treatment plant upgrades, transmission watermains, and digester cleaning repairs. At the same time, demand is increasing to reinstate funding that was deferred for programs such as basement flooding protection and combined sewer overflow control projects, resulting in a number of competing priorities and significant funding pressures for Toronto Water.
  - The following table summarizes unbudgeted pressures:

Project	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014-2023	Post 2023	Post 2023
<b>WATER TREATMENT AND SUPPLY</b>													
WATER TREATMENT & SUPPLY - STANDBY POWER	-	-	-	-	5,000	5,000	7,000	10,000	10,000	10,000	47,000	30,500	77,500
WATER TREATMENT & SUPPLY - UPGRADES	2,170	4,555	2,275	950	-	-	-	-	-	-	9,950		9,950
BUSINESS & TECHNICAL IMPROVEMENTS	1,335	3,380	3,450	3,390	2,992	227	77	171	265	284	15,571		15,571
LAWRENCE HEIGHTS REDEVELOPMENT - PHASE 2													
<b>WASTEWATER TREATMENT &amp; STORMWATER MANAGEMENT</b>													
BASEMENT FLOODING PROTECTION PROGRAM												674,000	674,000
BASEMENT FLOODING PROTECTION PROGRAM (ENTIRE CITY)		4,000	9,000	14,000	19,000	44,000	44,000	64,000	64,000	64,000	326,000		326,000
WASTEWATER TREATMENT PLANT - UPGRADES	600	4,600	9,050	9,450	21,100	12,825	3,075	-	-	-	60,700		60,700
WWTP - DIGESTER CLEANING & REPAIRS				100	6,300	6,400	7,625	8,825	8,925	7,525	45,700	20,125	65,825
WWF - WATERFRONT LANDFORMS			2,000	10,000	15,000	18,000	15,000	15,000	15,000	-	90,000		90,000
ETOBICOKE WATERFRONT STORMWATER CONTROL												70,200	70,200
TRCA - UNFUNDED PRIORITY PROJECTS	5,000	5,000	8,000	8,000	3,000	3,000	3,000	3,000	3,000	3,000	44,000		44,000
TRCA - SCARBOROUGH WATERFRONT	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	60,000		60,000
WWF - DON & CENTRAL WATERFRONT CONSTRUCTION												1,075,700	1,075,700
WWF - Stream Restoration (incl. July 8 Storm)	2,870	1,085	10,000	11,500	11,500	11,500	11,500	7,000			66,955		
<b>TOTAL</b>	<b>17,975</b>	<b>28,620</b>	<b>49,775</b>	<b>63,390</b>	<b>89,892</b>	<b>106,952</b>	<b>97,277</b>	<b>113,996</b>	<b>107,190</b>	<b>90,809</b>	<b>765,876</b>	<b>1,870,525</b>	<b>2,569,446</b>

- Strategy to address these pressures is provided in "Funding Pressures" issue below.

## Issues Referred to the 2014 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 any fixed charge for the Wet Weather 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 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 presented to the Executive Committee on October 31, 2013.
- The report underlines 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 due to variety of factors affecting the delivery of its services as described in the ISSUES SECTION above.
- It recommends that City Council (a) agree in principle to increased expenditures for Toronto Water; (b) approve a study to determine and consult on the best way to pay for revenues needed to support the higher level of investment particularly for flood protection and stormwater management; and (c) consider the preferred funding strategy as part of the 2015 Toronto Water Capital Budget submission.
- 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.
- Any detailed studies and stakeholder consultation related to the report recommendations can be accommodated within existing approved funding. Any financial impact arising from the funding options will be reported through the 2015 Toronto Water Capital and Operating Budget Process.

### *Storm Water Management*

- At its meeting of July 16, 17, 18 and 19, 2013 City Council directed the General Manager, Toronto Water to consider an increase in subsidy levels within the Basement Flooding

Protection Subsidy Program to account for inflationary pressures that more closely reflect construction cost increases, as part of the 2014 Toronto Water Capital Budget submission.

- Analysis conducted by Toronto Water staff shows subsidy levels are in line with those offered by neighbouring municipalities; contractor costs are primarily labour which are not expected to increase significantly over the longer term; and previous increases to subsidy amounts resulted in a corresponding increase in invoice amounts which benefit the industry and not the homeowner. An alternative would be to offer additional financial assistance based on total household income of property owners as follows:
  - Below \$31,000 per year -- 100 percent of the balance of the eligible costs
  - \$31,000-\$38,000 per year -- 50 percent of the balance of the eligible costs
  - \$38,000-\$50,000 per year -- 25 percent of the balance of the eligible costs
- There is a current subsidy cap of \$2,800 per household when there is installation of both a backwater valve and sump pump. However, subsidies for the individual items are set at \$1,250 (backwater valve) and \$1,750 (sump pump), for a combined total of \$3,000. Residents have voiced concerns with respect to the inequity that exists. It is suggested that the subsidy cap of \$2,800 be removed and individual subsidy amounts for the backwater valve, sump pump and pipe severance & capping be provided, to a total financial subsidy of \$3400 per property as follows:
  - Backwater valve: 80% of the invoiced cost up to a maximum of \$1,250
  - Sump Pump: 80% of the invoiced cost up to a maximum of \$1,750
  - Pipe Severance & Capping: 80% of the invoiced cost up to a maximum of \$400
- A number of administrative amendments to the program's eligibility criteria for 2014 will be considered under the General Manager's authority to help improve program effectiveness, homeowner protection and contractor accountability. Consideration will be given to remove the subsidy cap of \$2,800 (backwater valve and sump pump) and provide individual total subsidy amounts towards installation of a backwater valve (\$1,250), sump pump (\$1,750) and pipe severance & capping (\$400) for a total financial subsidy of \$3,400 per household.
- In response to significant increases in program application volumes, the 2013 Capital budget of \$2.5 million has been increased by \$2 million to address the forecasted 2013 expenditure of \$4.5 million. The 2014-2023 Capital Budget and Plan allocates \$5.4 million in response to the expected sustained increases in program volumes after the July 8th storm event.
- A detailed report from the General Manager Toronto Water titled "Impact of July 8, 2013 storm on the City's Sewer and Stormwater Systems" was approved by Council at its meeting of October 8, 9, 10 and 11, 2013. In approving the above report, City Council requested the General Manager, Toronto Water, to report back during the 2014 budget process on the following:

- The capital and operating budget impacts of expanding the Basement Flooding Protection Program on a city-wide basis beyond the existing 34 priority study areas, including methodologies for setting priorities and resource implications, so that the program continues to address urban flooding risks in a fair, well-organized, and efficient manner.

The report titled "Expansion of the Basement Flooding Protection Program's Priority Study Areas" from the General Manager, Toronto Water was submitted to the Budget Committee and considered concurrently with the 2014 Capital and Operating Budget for Toronto Water. The report recommended that the General Manager, Toronto Water:

- Prioritize future Basement Flooding Protection Program studies based on the density of reported basement flooding complaints per sanitary sewer subsewershed 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 subsewershed.
- Initiate and expedite the completion of new Environmental Assessment studies for Area 35 (Silver Creek subsewershed), Area 36 (Chapman subsewershed), Area 37 (Hillary subsewershed), Area 38 (Etobicoke Creek subsewershed), Area 39 (Berry Creek subsewershed), Area 40 (Forman-Yonge subsewershed), and Area 41 (North Mimico Creek subsewershed).
- 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.

All of the above recommendations were approved by City Council at its meeting on December 16, 17 and 18, 2013.

- 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.

The report titled "Update on Implementation of the Mandatory Downspout Disconnection Program" from the General Manager, Toronto Water will be submitted to the Budget Committee to be considered concurrently with the 2014 Capital and Operating Budget for Toronto Water. T

The report indicates 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 proposed to boost compliance with the by-law across the City and will be the subject of a staff report to the Public Works and Infrastructure Committee in 2014.

- A multi-year capital plan to meet the Green Parking lot standards for Toronto Water properties.

In response to this Motion Toronto Water will undertake a review of its parking lots for opportunities to meet the Green Parking lot standards and present a plan to address this issue as part of its 2015 Capital Budget Submission.



## Appendix 1

### 2013 Performance

#### 2013 Key Accomplishments

In 2013, Toronto Water accomplished the following:

- ✓ Maintained a 100% full compliance rating for all water and wastewater treatment facilities with respect to Ministry of Environment inspections.
- ✓ Completed basement flooding Class EA studies to investigate the causes of basement and surface flooding and made recommendations to reduce the risk of future flooding in 15 basement flooding areas including wards: 1, 3, 4, 7, 8, 9, 10, 12, 15, 17, 23, 24, 29, 30, 31, 32, 33, 36, 37, 39, and 40.
- ✓ By the end of 2013 the following projects will be completed:
  - Harris Water Treatment Plant Envelope Rehabilitation (\$23.0 million).
  - Mechanical upgrades at Clark Water Treatment Plant (\$18.0 million).
  - Ashbridges Bay Treatment Plant D Building, Dewatering and Digester upgrades (\$175million).
  - Highland Creek Treatment Plant Sludge Thickening and Headhouse Upgrades (\$53.0 million).
  - Coxwell By-pass (\$40.0 million)
  - Basement Flooding Projects (\$48.0 million).
  - 40 km of watermain replacement (\$40.0 million) and 45 km of structural watermain lining (\$28.0 million).
  - 14 km of sewer replacement (\$21.0 million) and 70 km of sewer replacement (\$22.0 million).

#### 2013 Capital Variance Review

##### 2013 Budget to Actual Comparison (In \$000s)

2013 Budget	Actuals as of September 30, 2013 (3rd Quarter Variance)		Projected Actuals at Year End		Unspent Balance	
\$	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
674,775	258,875	38.4%	485,488	71.9%	189,287	28.1%

Capital expenditures for the 9 months ended September 30, 2013 totaled \$258.875 million or 38.4% of its 2013 Capital Budget of \$674.775 million. The projected year-end spending is \$485.488 million or 71.9% of the 2013 Capital Budget. The 10 Year Rate Model completion rate target for projects funded from the Toronto Water Capital Financing Reserve is 85%.

The above funds were spent for multi-phase projects that are underway and will be completed in future years:

- Toronto Water incurred spending as of September 30, 2013 for the following large multi year projects such as:
  - *Rehabilitation and Replacement of Linear Infrastructure for Water and Sewers projects* (\$55.640 million or 35% of the 2013 Capital Budget of \$158.926 million).
  - *Transmission Watermains* (\$18.035 million or 51.5% of the 2013 Capital Budget of \$34.997 million).
  - *Automated Meter Replacement (AMR) Program* (\$37.070 million or 85.9% of the 2013 Capital Budget of \$43.165 million).
  - Upgrade to equipment at the *R.L. Clark Treatment Plant* (\$7.907 million or 67.4% of the 2013 Capital Budget of \$11.723 million).
  - Rehabilitation of the sludge thickening and dewatering building at *Highland Creek Treatment Plant* (\$16.357 million or 43.9% of the 2013 Capital Budget of \$37.301 million)
  - Upgrade of dewatering equipment and the emission air treatment process and rebuilding of the primary and final tanks at *Ashbridges Bay Treatment Plant*. (\$24.448 million or 26.9% of the 2013 Capital Budget of \$90.965 million).
  - *Wet Weather Flow Master Plan* (\$10.252 million or 40.0% of the 2013 Capital Budget of \$25.650 million).
- The lower than expected year-to-date spending rate was driven by the complexity of the engineering and design of the linear infrastructure which led to delayed tendering and awarding of the associated contracts. In addition to this, tenders for stand alone water main projects were delayed pending the finalization of crossing agreements with Metrolinx. Other contributing factors include the prevailing ground/site conditions as a result of the persistent wet weather or assessment results.
- In 2013, significant progress will continue to be made on state of good projects to address infrastructure renewal such as Watermain and Sewer Rehabilitation and improvements to Yards and Facilities; Water Storage Treatment & Treatment; and implementation of the Wet Weather Flow Master Plan. These projects are expected to meet or exceed the targeted spend rate of 85%.
- Toronto Water will continue to facilitate the New Service Connection project and is on schedule with the implementation of the Water Metering Program. These projects are anticipated to have a spend rate of 100%
- The forecasted year-end under-spending in 2013 relates to the following projects, due to extended design periods to ensure that the quality in design is achieved to address issues raised through the design review process or unforeseen site conditions. The persistent wet

weather condition this spring has resulted in lower construction days. Major projects include:

- Ashbridges Bay Treatment Plant (\$41.925 million or 46% of the 2013 Capital Budget of \$90.965 million). A portion of this under spending (\$6.39 million) relates to the cancellation of the stack replacement due to favourable assessment conditions.
- Trunk Sewer & Pumping Station Rehabilitation (\$14.585 million or 59% of the 2013 Capital Budget of \$24.901 million).
- Watermain Replacement (\$35.773 million or 67% of the 2013 Capital Budget of \$53.286 million)
- Highland Creek Treatment Plant (\$25.864 million or 69% of the 2013 Capital Budget of \$37.301 million)
- The Basement Flooding project is projected to have spending of \$48.204 million or 64% of the 2013 Capital Budget of \$74.516 million. Environmental assessments have taken longer than originally planned due to the extended time for infrastructure assessments and in order to ensure that all public concerns are heard. In addition to this, Toronto Water is unable to proceed with some basement flooding relief projects as the preliminary designs indicate that the cost to each benefiting property will exceed the current threshold of \$32,000 as set by City Council. For those projects that have met the criteria and have proceeded, contracted pricing has been lower than expected. Unspent funds have been re-directed to advance the design phase of the remaining planned basement flooding relief projects.

### **2013 Carryforward Funding into 2014**

- 2013 funding of \$138.057 million is being carried forward into the 2014 Capital Budget to complete the following projects:
  - State of Good Repair (including Legislated and Health and Safety) projects such as watermain replacement, trunk sewer and pumping station rehabilitation, Highland Creek and Ashbridges Wastewater Treatment Plant upgrades and rehabilitation projects totaling \$97.353 million.
  - Service Improvement projects such as Basement Flooding Relief, Storm Water Management End of Pipe Facilities and Wet Weather Flow Master Plan for a total of \$36.255 million.
  - Growth Related projects such as water storage expansion projects and new sewer construction projects of \$4.449 million.

## Appendix 2

### 10-Year Capital Plan Project Summary (In \$000s)

Project	Total Project	2014	2015	2016	2017	2018	2014 - 2018	2019	2020	2021	2022	2023	2014 - 2023
ASHBRIDGES BAY T.P. - III YR2004	3,540	1,130	1,530	50	30	-	2,740	-	400	400	-	-	3,540
ASHBRIDGES BAY T.P. YR2006	4,686	825	1,635	2,226	-	-	4,686	-	-	-	-	-	4,686
ASHBRIDGES BAY TREATMENT PLANT - III	-	-	-	-	-	-	-	-	-	-	-	-	-
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	16,155	1,120	3,120	4,105	2,560	2,200	13,105	1,000	50	-	2,000	-	16,155
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	585,021	1,213	4,649	13,800	44,410	82,610	146,682	94,889	64,167	94,583	89,000	95,700	585,021
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	806,533	28,353	45,577	57,820	76,550	104,000	312,300	83,500	106,000	106,868	100,865	97,000	806,533
ASHBRIDGES BAY WWTP - O&M UPGRADES	36,788	3,719	8,069	7,500	2,500	2,500	24,288	2,500	2,500	2,500	2,500	2,500	36,788
ASHBRIDGES BAY WWTP - ODOUR CONTROL	25,614	2,297	8,453	8,742	6,122	-	25,614	-	-	-	-	-	25,614
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	135,840	3,600	4,250	20,000	28,510	30,310	86,670	17,040	17,030	15,100	-	-	135,840
ASHBRIDGES BAY WWTP REHAB	168,439	16,684	23,552	28,468	36,476	26,330	131,510	17,840	6,179	4,870	4,530	3,510	168,439
ASHRIDGES BAY TP YR2005	14,469	4,357	5,233	3,172	1,008	699	14,469	-	-	-	-	-	14,469
AVENUE ROAD TRUNKMAIN REPLACEMENT	3,835	335	1,500	2,000	-	-	3,835	-	-	-	-	-	3,835
BASEMENT FLOODING RELIEF	962,008	61,256	81,610	105,292	102,374	100,976	451,508	106,500	101,500	97,500	102,500	102,500	962,008
BAYVIEW TRUNK WATERMAIN - PH2	8,900	-	-	400	100	400	900	4,000	4,000	-	-	-	8,900
BUSINESS IT PROJECTS	6,535	1,505	1,455	1,425	1,175	975	6,535	-	-	-	-	-	6,535
BUSINESS SYSTEM INFRASTRUCTURE - PW	39,983	8,830	10,931	5,312	3,818	1,702	30,593	1,410	3,050	2,240	1,640	1,050	39,983
CLARK RESIDUE MGMT. FACILITIES	650	200	450	-	-	-	650	-	-	-	-	-	650
CONVEYANCE CONTROLS - REPLC & REHAB	85	65	20	-	-	-	85	-	-	-	-	-	85
D2/D4 TRUNK WATERMAIN UPGRADES	55,925	1,300	-	-	-	300	1,600	600	5,600	20,600	17,225	10,300	55,925
DIST SEWER REHAB OPS YR2005	500	300	188	12	-	-	500	-	-	-	-	-	500
DIST W/M REHABILITATION	565,283	40,679	40,371	45,502	63,337	49,976	239,865	55,119	60,267	65,419	70,576	74,037	565,283
DIST W/M REPLACEMENT	941,721	44,963	73,033	71,220	72,630	96,875	358,721	105,000	114,000	120,000	122,000	122,000	941,721
DIST WATER SERVICE REPAIR	189,463	18,149	19,625	17,166	17,404	18,233	90,577	18,780	19,343	19,923	20,521	20,319	189,463
DISTRICT WATERMAINS - NEW	4,544	194	350	500	500	500	2,044	500	500	500	500	500	4,544
DON & WATERFRONT TRUNK CSO	326,262	1,832	6,589	12,347	30,347	40,347	91,462	41,000	35,800	31,000	35,000	92,000	326,262
DOWNTOWN W/M ENHANCEMENT	40,705	19,385	14,298	7,015	7	-	40,705	-	-	-	-	-	40,705
EMERY CREEK POND	5,510	2,410	2,550	550	-	-	5,510	-	-	-	-	-	5,510
ENGINEERING	403,522	38,898	42,982	48,782	39,508	39,389	209,559	41,659	39,456	37,346	37,413	38,089	403,522
ENGINEERING STUDIES	9,329	6,978	1,751	150	150	50	9,079	50	50	50	50	50	9,329
EQUIPMENT REPLACEMENT & REHABILITATION	10,735	730	2,520	2,330	3,155	2,000	10,735	-	-	-	-	-	10,735
F.J. HORGAN WTP R&R	18,967	1,908	3,454	7,085	4,435	1,085	17,967	200	200	200	200	200	18,967
FJ HORGAN W.T.P. R&R	-	-	-	-	-	-	-	-	-	-	-	-	-
HARRIS W.T.P. R&R	95,263	6,033	10,360	8,670	9,250	15,150	49,463	11,500	8,650	8,500	8,650	8,500	95,263
HIGHLAND CREEK T.P. - IV YR2004	271	205	63	3	-	-	271	-	-	-	-	-	271
HIGHLAND CREEK TP YR2005	885	250	317	313	-	5	885	-	-	-	-	-	885
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	11,998	1,498	3,500	4,000	3,000	-	11,998	-	-	-	-	-	11,998
HIGHLAND CREEK WWTP - O&M UPGRADES	3,000	-	-	-	-	-	-	-	-	-	-	3,000	3,000
HIGHLAND CREEK WWTP - ODOUR CONTROL	112,455	5,460	15,510	15,480	15,800	15,500	67,750	16,005	11,500	11,300	5,900	-	112,455
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	159,894	2,850	7,300	7,047	6,000	28,000	51,197	32,000	30,250	30,250	15,000	1,197	159,894
HIGHLAND CREEK WWTP UPGRADES	140,716	15,995	27,756	34,915	30,711	17,730	127,107	10,150	3,397	20	42	-	140,716
HORGAN TRUNK MAIN EXPANSION	65,622	102	800	6,850	18,850	18,500	45,102	17,510	3,010	-	-	-	65,622
HORGAN W.T.P. EXPANSION	9,945	3,815	6,130	-	-	-	9,945	-	-	-	-	-	9,945
HUMBER T.P.	509	-	200	200	109	-	509	-	-	-	-	-	509
HUMBER T.P. - II YR2004	297	105	180	5	7	-	297	-	-	-	-	-	297
HUMBER TP YR2005	3,160	1,518	1,020	421	100	101	3,160	-	-	-	-	-	3,160
HUMBER WWTP - LIQUID TREATMENT & HANDLING	270,751	4,865	8,328	8,491	33,225	43,112	98,021	43,930	40,600	40,120	31,080	17,000	270,751
HUMBER WWTP - O&M UPGRADES	17,388	5,200	8,884	3,304	-	-	17,388	-	-	-	-	-	17,388
HUMBER WWTP - ODOUR CONTROL	65,000	5,000	15,000	20,000	20,000	5,000	65,000	-	-	-	-	-	65,000
HUMBER WWTP UPGRADES	51,795	11,590	11,235	9,410	3,295	3,085	38,615	6,050	4,990	1,890	250	-	51,795
ISLAND PLANT WINTERIZATION	558	170	388	-	-	-	558	-	-	-	-	-	558
ISLAND W.T.P. R&R	27,400	150	700	1,550	3,250	6,250	11,900	12,250	3,250	-	-	-	27,400
ISLAND W.T.P. R&R	16,275	3,397	4,877	4,636	665	525	14,100	375	525	375	525	375	16,275
LAWRENCE ALLAN REVITALIZATION PLAN	33,561	-	6,471	3,354	18,078	2,127	30,030	3,531	-	-	-	-	33,561

Continues on the Page Following

## Appendix 2 - Continued

## 10-Year Capital Plan Project Summary - Continued

(In \$000s)

Project	Total Project	2014	2015	2016	2017	2018	2014 - 2018	2019	2020	2021	2022	2023	2014 - 2023
METERING & METER READING SYS	142,781	47,450	45,656	44,675	5,000	-	142,781	-	-	-	-	-	142,781
NEW SERVICE CONNECTIONS	175,000	17,500	17,500	17,500	17,500	17,500	87,500	17,500	17,500	17,500	17,500	17,500	175,000
NEW SEWER CONSTRUCTION	100,202	202	4,000	8,000	10,000	10,000	32,202	12,000	14,000	14,000	14,000	14,000	100,202
NORTH TORONTO WTP UPGRADES	3,234	767	915	777	522	253	3,234	-	-	-	-	-	3,234
OPERATIONAL SUPPORT	37,956	3,553	5,003	6,100	6,600	5,900	27,156	2,100	2,100	5,000	1,600	-	37,956
PW ENGINEERING	18,961	2,068	2,513	2,560	2,760	2,560	12,461	2,400	1,400	1,400	900	400	18,961
REGENT PARK CAPITAL CONTRIBUTION	3,212	-	859	330	132	745	2,066	287	115	420	162	162	3,212
RL CLARK W.T.P. R&R	130,361	10,420	12,000	12,932	12,754	12,906	61,012	12,749	16,150	20,150	20,150	150	130,361
SEWAGE PUMPING STATION UPGRADES	61,629	9,255	5,442	2,162	810	3,550	21,219	9,450	11,350	9,300	7,220	3,090	61,629
SEWER ASSET PLANNING	121,195	7,357	13,023	13,765	13,150	13,150	60,445	12,150	15,150	11,150	11,150	11,150	121,195
SEWER REPLACEMENT PROGRAM	482,346	61,063	38,976	36,608	38,096	42,603	217,346	47,000	52,000	57,000	57,000	52,000	482,346
SEWER SYSTEM REHABILITATION	466,578	26,141	33,655	44,963	48,962	49,020	202,741	50,020	51,500	53,045	54,636	54,636	466,578
STREAM RESTORATION & EROSION CONTROL	102,590	8,040	9,000	6,870	9,160	7,120	40,190	11,820	13,320	13,620	11,820	11,820	102,590
SWITCH GEAR TRANSFORMER	13,660	1,025	6,400	6,235	-	-	13,660	-	-	-	-	-	13,660
SWM TRCA FUNDING	44,476	3,970	4,069	4,171	4,275	4,382	20,867	4,491	4,604	4,719	4,837	4,958	44,476
SWM END OF PIPE FACILITIES	142,510	1,200	6,800	6,650	6,550	9,590	30,790	14,410	20,130	31,680	15,500	30,000	142,510
SWM SOURCE CONTROL PROG	850	150	150	250	150	150	850	-	-	-	-	-	850
TASTE AND ODOUR MANAGEMENT	12,500	-	-	-	-	-	-	-	-	-	2,500	10,000	12,500
TRANSMISSION OPERATIONS OPTIMIZER	560	560	-	-	-	-	560	-	-	-	-	-	560
TRANSMISSION R&R	83,582	4,864	11,879	6,385	5,064	7,700	35,892	11,060	9,600	10,450	7,930	8,650	83,582
TRCA - Land Acquisition for Source Water Protect	31,500	8,500	7,000	2,000	2,000	2,000	21,500	2,000	2,000	2,000	2,000	2,000	31,500
TRUNK SEWER SYSTEM	318,362	8,696	19,466	28,609	29,154	29,388	115,313	33,038	35,011	35,000	50,000	50,000	318,362
TRUNK WATERMAIN EXPANSION	28,160	610	1,100	2,550	7,400	7,000	18,660	8,500	1,000	-	-	-	28,160
W&WW LABORATORIES	19,570	120	150	-	-	-	270	200	800	1,500	8,400	8,400	19,570
WATER EFFICIENCY PROGRAM	5,200	520	520	520	520	520	2,600	520	520	520	520	520	5,200
WATER STORAGE EXPANSION	60	30	30	-	-	-	60	-	-	-	-	-	60
WATER SUSTAINABILITY PROGRAM	11,300	200	2,750	4,350	4,000	-	11,300	-	-	-	-	-	11,300
WESTERN BEACHES RETROFIT	5,900	800	2,550	2,550	-	-	5,900	-	-	-	-	-	5,900
WET WEATHER FLOW MP	67,244	7,891	4,178	4,650	5,150	6,275	28,144	6,700	6,700	6,700	9,500	9,500	67,244
WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH	400	400	-	-	-	-	400	-	-	-	-	-	400
<b>Total (including carry forward funding)</b>	<b>9,110,169</b>	<b>614,770</b>	<b>794,348</b>	<b>867,782</b>	<b>929,155</b>	<b>988,854</b>	<b>4,194,909</b>	<b>1,003,283</b>	<b>961,214</b>	<b>1,006,708</b>	<b>965,292</b>	<b>978,763</b>	<b>9,110,169</b>

## **Appendix 3**

### **2014 Capital Budget; 2015 to 2023 Capital Plan**

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT000004 HORGAN W.T.P. EXPANSION																								
0	2	PLANT EXPANSION - DESIGN & CONSTR ADMIN	CW	S2	05	100	0	0	0	0	100	0	100	0	0	21	0	47	0	0	32	0	0	100
0	18	SUPERNATANT AND FORCEMAIN INSTALLATION	CW	S2	05	4,098	0	0	0	0	4,098	0	4,098	0	0	864	0	3,234	0	0	0	0	0	4,098
0	29	SUPERNATANT AND FORCEMAIN INSTALLATION -2014 SC	CW	S3	05	-1,598	4,500	0	0	0	2,902	0	2,902	0	0	1,373	0	1,529	0	0	0	0	0	2,902
0	30	PLANT EXPANSION - DESIGN & CONSTR ADMIN -2014 SC	CW	S3	05	100	940	0	0	0	1,040	0	1,040	0	0	343	0	364	0	0	333	0	0	1,040
0	31	PLANT EXPANSION - CONSTRUCTION -2014 SC	CW	S3	05	-4,000	-310	0	0	0	-4,310	0	-4,310	0	0	-712	0	-2,219	0	0	-1,379	0	0	-4,310
1	5	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	5,115	1,000	0	0	0	6,115	0	6,115	0	0	1,289	0	2,869	0	0	1,957	0	0	6,115
Sub-total						3,815	6,130	0	0	0	9,945	0	9,945	0	0	3,178	0	5,824	0	0	943	0	0	9,945
WAT000014 WATER STORAGE EXPANSION																								
0	1	DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	CW	S2	05	19	0	0	0	0	19	0	19	0	0	5	0	14	0	0	0	0	0	19
0	2	Milliken PS and Reservoir - Engineering	CW	S2	05	25	25	0	0	0	50	0	50	0	0	10	0	22	0	0	18	0	0	50
0	5	Dufferin Reservoir Expansion - CONST	CW	S2	05	100	1,100	0	0	0	1,200	0	1,200	0	0	372	0	828	0	0	0	0	0	1,200
0	18	MILLIKEN P.S. CONSTRUCTION	CW	S2	05	100	1,200	0	0	0	1,300	0	1,300	0	0	0	0	0	0	0	1,300	0	0	1,300
0	28	MILLIKEN PS RESERVOIR EXT .CONSTRUCTION	CW	S2	05	100	2,400	0	0	0	2,500	0	2,500	0	0	519	0	1,041	0	0	940	0	0	2,500
0	42	DUFFERIN RES. EXT. DESIGN & CONT ADMIN -2014 SC	CW	S3	05	-14	5	0	0	0	-9	0	-9	0	0	1	0	-10	0	0	0	0	0	-9
0	44	Dufferin Reservoir Expansion - CONST -2014 SC	CW	S3	05	-100	-1,100	0	0	0	-1,200	0	-1,200	0	0	-372	0	-828	0	0	0	0	0	-1,200
0	45	MILLIKEN PS RESERVOIR EXT .CONSTRUCTION -2014 SC	CW	S3	05	-100	-2,400	0	0	0	-2,500	0	-2,500	0	0	-519	0	-1,041	0	0	-940	0	0	-2,500
0	46	MILLIKEN P.S. CONSTRUCTION -2014 SC	CW	S3	05	-100	-1,200	0	0	0	-1,300	0	-1,300	0	0	0	0	0	0	0	-1,300	0	0	-1,300
0	47	Milliken PS and Reservoir - Engineering - 2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	10	0	-10	0	0	0	0	0	0
Sub-total						30	30	0	0	0	60	0	60	0	0	26	0	16	0	0	18	0	0	60
WAT000018 CLARK RESIDUE MGMT. FACILITIES																								
0	24	RESIDUALS RETROFITS & UPGRADES	CW	S2	02	400	100	0	0	0	500	0	500	0	0	25	0	475	0	0	0	0	0	500
0	26	RESIDUALS RETROFITS & UPGRADES -2014 SC	CW	S3	02	-200	350	0	0	0	150	0	150	0	0	-25	0	175	0	0	0	0	0	150
Sub-total						200	450	0	0	0	650	0	650	0	0	0	0	650	0	0	0	0	0	650
WAT000021 WATER EFFICIENCY PROGRAM																								
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	368	300	300	300	0	1,268	0	1,268	0	0	1,268	0	0	0	0	0	0	0	1,268

CITY OF TORONTO

Gross Expenditures (\$000's)  
Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT000021	WATER EFFICIENCY PROGRAM																							
0 11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	198	150	150	150	0	648	0	648	0	0	389	0	259	0	0	0	0	0	648	
0 12	ANCILLARY COSTS	CW	S2	05	70	70	70	70	0	280	0	280	0	0	280	0	0	0	0	0	0	0	280	
0 82	WATER EFFICIENCY FUTURE YEAR	CW	S6	05	0	0	0	0	520	520	2,600	3,120	0	0	3,120	0	0	0	0	0	0	0	3,120	
0 87	PUBLIC EDUCATION & PROMOTIONS -2014 SC	CW	S3	05	-48	0	0	0	0	-48	0	-48	0	0	211	0	-259	0	0	0	0	0	-48	
0 90	ICI INDOOR WATER AUDIT - 2014 SC	CW	S3	05	-68	0	0	0	0	-68	0	-68	0	0	-68	0	0	0	0	0	0	0	-68	
Sub-total					520	520	520	520	520	2,600	2,600	5,200	0	0	5,200	0	0	0	0	0	0	0	5,200	
WAT000340	ISLAND PLANT WINTERIZATION																							
0 1	PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	505	0	0	0	0	505	0	505	0	0	0	0	505	0	0	0	0	0	505	
0 13	PLANT WINTERIZATION & SUMMERIZATION- 2014 SC	CW	S3	04	-335	388	0	0	0	53	0	53	0	0	0	0	53	0	0	0	0	0	53	
Sub-total					170	388	0	0	0	558	0	558	0	0	0	0	558	0	0	0	0	0	558	
WAT000352	WM MARKHAM/SHEPPARD TO BAYVIEW/FINC																							
0 7	JOS WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH	CW	S2	05	316	0	0	0	0	316	0	316	0	0	0	0	316	0	0	0	0	0	316	
0 18	JOS MARKHAM/SHEPPARD BAYVIEW/FINCH HYDRO -2014 SC	CW	S3	05	84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	0	84	
Sub-total					400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
WAT000363	ENGINEERING STUDIES																							
0 2	IMPROVED TREATMENT STUDIES	CW	S2	04	20	20	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	0	40	
0 18	Controlled Substances ID and Abatement	CW	S2	02	200	200	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
0 25	FACILITY FORECAST/SOGR	CW	S6	03	0	0	100	150	50	300	250	550	0	0	0	0	550	0	0	0	0	0	550	
0 31	ENERGY EFFICIENCY IMPLEMENTATION - 2014 SC	CW	S3	04	50	50	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100	
0 38	CORROSION CONTROL	CW	S2	02	7,360	110	0	0	0	7,470	0	7,470	0	0	0	0	7,470	0	0	0	0	0	7,470	
0 55	CORROSION CONTROL -2014 SC	CW	S3	02	-1,272	1,291	0	0	0	19	0	19	0	0	455	0	-436	0	0	0	0	0	19	
0 56	IMPROVED TREATMENT STUDIES -2014 SC	CW	S3	04	620	80	50	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
Sub-total					6,978	1,751	150	150	50	9,079	250	9,329	0	0	455	0	8,874	0	0	0	0	0	9,329	
WAT906334	BUSINESS SYSTEM INFRASTRUCTURE - PW																							
0 7	NETWORK EQUIPMENT REPLACEMENT	CW	S2	03	205	1,163	0	0	0	1,368	0	1,368	0	0	0	0	1,368	0	0	0	0	0	1,368	



# CITY OF TORONTO

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## Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Debt	Total Financing
<u>WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW</u>																								
0	8	NETWORK CABLE LIFECYCLE REPLACEMENT	CW	S2	03	4,490	560	165	0	0	5,215	0	5,215	0	0	0	0	5,215	0	0	0	0	0	5,215
0	9	TRUNK RADIO SYSTEM	CW	S2	04	0	0	200	100	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	12	PCS LEGACY ALARM IMPROVEMENT - 2014 SC	CW	S3	04	0	600	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600
0	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	475	600	500	150	150	1,875	350	2,225	0	0	0	0	2,225	0	0	0	0	0	2,225
0	39	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	750	0	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
0	41	BUSINESS & TECH IMPROVEMENT - PHASE 2	CW	S2	04	1,524	500	0	0	0	2,024	0	2,024	0	0	0	0	2,024	0	0	0	0	0	2,024
0	42	WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEMENTS	CW	S2	04	1,610	3,000	440	0	0	5,050	0	5,050	0	0	0	0	5,050	0	0	0	0	0	5,050
0	43	NETWORK EQUIPMENT REPLACEMENT -FUTURE YEAR	CW	S6	04	0	0	1,586	1,700	710	3,996	8,390	12,386	0	0	0	0	12,386	0	0	0	0	0	12,386
0	54	NETWORK EQUIPMENT REPLACEMENT -2014 SC	CW	S3	03	360	360	0	0	0	720	0	720	0	0	0	0	720	0	0	0	0	0	720
0	55	NETWORK CABLE LIFECYCLE REPLACEMENT -2014 SC	CW	S3	03	-2,530	4,980	1,951	11	0	4,412	0	4,412	0	0	0	0	4,412	0	0	0	0	0	4,412
0	56	RELIABILITY IMPROVEMENT PROGRAM - 2014 SC	CW	S3	04	-275	-400	-500	-150	-150	-1,475	-350	-1,825	0	0	0	0	-1,825	0	0	0	0	0	-1,825
0	57	BUSINESS & TECH IMPROVEMENT - PHASE 2 -2014 SC	CW	S3	04	1,172	1,068	970	1,047	792	5,049	0	5,049	0	0	0	0	5,049	0	0	0	0	0	5,049
0	58	WTP WS PLC PLATFORM UPGRADE & PCS IMPROV -2014 SC	CW	S3	04	1,049	-1,500	-200	760	0	109	0	109	0	0	0	0	109	0	0	0	0	0	109
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	0	1,600
Sub-total						8,830	10,931	5,312	3,818	1,702	30,593	9,390	39,983	0	0	0	0	39,983	0	0	0	0	0	39,983
<u>WAT906340 METERING &amp; METER READING SYS</u>																								
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	49,957	44,531	38,150	0	0	132,638	0	132,638	0	0	0	0	132,638	0	0	0	0	0	132,638
0	13	AUTOMATED METER READING SYSTEM - 2014 SC	CW	S3	04	-2,507	1,125	6,525	5,000	0	10,143	0	10,143	0	0	0	0	10,143	0	0	0	0	0	10,143
Sub-total						47,450	45,656	44,675	5,000	0	142,781	0	142,781	0	0	0	0	142,781	0	0	0	0	0	142,781
<u>WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT</u>																								
0	1	AVENUE RD WM ENGINEERING - HI LEVEL TO LAWRENCE	CW	S2	03	112	0	0	0	0	112	0	112	0	0	0	0	93	0	0	19	0	0	112
0	2	AVENUE RD WM CONSTRUCTION - HI LEVELTO LAWRENCE	CW	S2	03	1,500	1,500	700	0	0	3,700	0	3,700	0	0	47	0	2,962	0	0	691	0	0	3,700
0	23	AVENUE RD WM ENG - HI LEVEL TO LAWRENCE -2014 SC	CW	S3	03	23	0	0	0	0	23	0	23	0	0	68	0	-51	0	0	6	0	0	23

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Water Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
0	24	AVENUE RD WM CONS - HI LEVEL TO LAWRENCE -2014 SC	CW	S3	03	-1,300	0	1,300	0	0	0	0	0	0	0	1,818	0	-1,818	0	0	0	0	0
Sub-total						335	1,500	2,000	0	0	3,835	0	3,835	0	0	1,933	0	1,186	0	0	716	0	3,835
WAT906467 AVENUE ROAD TRUNK MAIN REPLACEMENT																							
0	1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	200	200	200	200	200	1,000	0	1,000	0	0	190	0	485	0	0	325	0	1,000
0	3	HORGAN TO ELLESMERE - CONSTRUCTION	CW	S2	05	0	3,000	5,000	10,000	10,000	28,000	20,000	48,000	0	0	9,077	0	23,342	0	0	15,581	0	48,000
0	39	JOS - HORGAN TO ELLESMERE WM - ENG -2014 SC	CW	S3	05	-98	100	650	650	300	1,602	20	1,622	0	0	807	0	290	0	0	525	0	1,622
0	40	HORGAN TO ELLESMERE - CONSTRUCTION -2014 SC	CW	S3	05	0	-2,500	1,000	8,000	8,000	14,500	500	15,000	0	0	14,833	0	-4,703	0	0	4,870	0	15,000
Sub-total						102	800	6,850	18,850	18,500	45,102	20,520	65,622	0	0	24,907	0	19,414	0	0	21,301	0	65,622
WAT906470 ISLAND W.T.P. R&R																							
0	8	CHEMICAL & RESIDUALS MNGT - ENG	CW	S2	02	1,150	200	200	200	200	1,950	450	2,400	0	0	121	0	2,279	0	0	0	0	2,400
0	11	CHEMICAL & RESIDUALS MNGT - CONST	CW	S6	02	0	0	1,000	3,000	6,000	10,000	15,000	25,000	0	0	912	0	24,088	0	0	0	0	25,000
0	26	CHEMICAL & RESIDUALS MNGT - ENG -2014 SC	CW	S3	02	-1,000	500	350	50	50	-50	50	0	0	0	-121	0	121	0	0	0	0	0
Sub-total						150	700	1,550	3,250	6,250	11,900	15,500	27,400	0	0	912	0	26,488	0	0	0	0	27,400
WAT906481 DISTRICT WATERMAINS - NEW																							
0	1	DIST W/MAINS NEW	CW	S2	05	500	0	0	0	0	500	0	500	0	0	296	0	204	0	0	0	0	500
0	3	10 YEAR NEW WATERMAINS	CW	S6	05	0	0	0	500	500	1,000	2,500	3,500	0	0	3,500	0	0	0	0	0	0	3,500
0	12	DIST W/MAINS NEW -2014 SC	CW	S3	05	-306	350	500	0	0	544	0	544	0	0	-296	0	840	0	0	0	0	544
Sub-total						194	350	500	500	500	2,044	2,500	4,544	0	0	3,500	0	1,044	0	0	0	0	4,544
WAT906483 PW ENGINEERING																							
0	2	CAPITAL PRGMG & FACILITY ASSET PLANNING	CW	S2	03	1,110	750	0	0	0	1,860	0	1,860	0	0	0	0	1,860	0	0	0	0	1,860
0	5	WATERMAIN ASSET PLANNING	CW	S2	03	561	400	0	0	0	961	0	961	0	0	0	0	961	0	0	0	0	961
0	7	EASEMENT ACQUISITION	CW	S2	04	472	300	0	0	0	772	0	772	0	0	0	0	772	0	0	0	0	772
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	364	225	1,500	2,000	2,500	6,589	350	6,939	0	0	0	0	6,939	0	0	0	0	6,939
0	37	ASSET MANAGEMENT IMPLEMENTATION	CW	S6	04	0	500	1,000	1,000	1,000	3,500	3,500	7,000	0	0	0	0	7,000	0	0	0	0	7,000
0	38	WATERMAIN ASSET PLANNING - 10 YR FORECAST	CW	S6	04	0	0	400	400	400	1,200	2,000	3,200	0	0	480	0	2,720	0	0	0	0	3,200

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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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906483	PW ENGINEERING																						
0 44	WATERMAIN ASSET PLANNING -2014 SC	CW	S3	03	429	260	460	360	160	1,669	0	1,669	0	0	658	0	1,011	0	0	0	0	0	1,669
0 45	JOS UPDATE - 2014 SC	CW	S3	05	10	0	0	0	0	10	0	10	0	0	10	0	0	0	0	0	0	0	10
0 46	EASEMENT ACQUISITION - 2014 SC	CW	S3	04	-172	0	0	0	0	-172	0	-172	0	0	0	0	-172	0	0	0	0	0	-172
0 47	WATER LOSS REDUCTION STRATEGY - 2014 SC	CW	S3	03	-14	78	-800	-1,000	-1,500	-3,236	650	-2,586	0	0	0	0	-2,586	0	0	0	0	0	-2,586
0 48	CAPITAL PRGMG & FACILITY ASSET PLANNING - 2014 SC	CW	S3	03	-692	0	0	0	0	-692	0	-692	0	0	0	0	-692	0	0	0	0	0	-692
Sub-total					2,068	2,513	2,560	2,760	2,560	12,461	6,500	18,961	0	0	1,148	0	17,813	0	0	0	0	0	18,961
WAT906749	DOWNTOWN W/M ENHANCEMENT																						
0 1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	731	378	15	7	0	1,131	0	1,131	0	0	112	0	155	0	0	864	0	0	1,131
0 4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	24,554	14,920	0	0	0	39,474	0	39,474	0	0	3,916	0	5,373	0	0	30,185	0	0	39,474
0 35	JOS - GERRARD ST WM - ENGINEERING -2014 SC	CW	S3	03	100	0	0	0	0	100	0	100	0	0	132	0	-108	0	0	76	0	0	100
0 36	JOS BATHURST-DUPONT W/M - ENG -2014 SC	CW	S3	05	-33	0	0	0	0	-33	0	-33	0	0	-6	0	-27	0	0	0	0	0	-33
0 37	JOS - GERRARD ST WM - CONSTRUCTION -2014 SC	CW	S3	03	-6,000	-1,000	7,000	0	0	0	0	0	0	0	3,943	0	-3,944	0	0	1	0	0	0
1 3	JOS BATHURST-DUPONT W/M - ENG	CW	S2	05	33	0	0	0	0	33	0	33	0	0	6	0	27	0	0	0	0	0	33
Sub-total					19,385	14,298	7,015	7	0	40,705	0	40,705	0	0	8,103	0	1,476	0	0	31,126	0	0	40,705
WAT906752	TRANSMISSION R&R																						
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500
0 50	10 YR TRUNK WATERMAIN REHAB	CW	S6	03	0	0	250	250	250	750	1,250	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,000	5,000	2,200	320	0	8,520	0	8,520	0	0	0	0	8,520	0	0	0	0	0	8,520
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S4	03	300	400	600	800	700	2,800	1,440	4,240	0	0	0	0	4,240	0	0	0	0	0	4,240
0 58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S6	03	0	0	2,000	3,500	2,350	7,850	18,400	26,250	0	0	0	0	26,250	0	0	0	0	0	26,250
0 59	CAST IRON TRUNK REPLC - PHASE 2 - 2014 SC	CW	S3	03	-1	-196	310	-56	0	57	0	57	0	0	0	0	57	0	0	0	0	0	57
1 2	TRANSF & SW'GEAR REPLACMENT DESIGN	CW	S4	03	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50
Sub-total					1,599	5,454	5,360	4,814	3,300	20,527	21,090	41,617	0	0	0	0	41,617	0	0	0	0	0	41,617
WAT906900	TRANSMISSION R&R																						
0 1	TRANS FACILITIES REHAB	CW	S2	03	548	0	0	0	0	548	0	548	0	0	0	0	548	0	0	0	0	0	548

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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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906900	TRANSMISSION R&R																							
0 6	ELLESMERE P.S. UPGRADE	CW	S2	05	0	25	525	0	0	550	0	550	0	0	63	0	139	0	0	348	0	0	550	
0 7	RESERVOIR REHAB -FUTURE	CW	S6	03	0	0	0	250	4,400	4,650	26,600	31,250	0	0	0	0	31,250	0	0	0	0	0	31,250	
0 26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	884	20	0	0	0	904	0	904	0	0	0	0	904	0	0	0	0	0	904	
0 27	EGLINTON PS -PUMP REPLC	CW	S2	03	2,982	100	0	0	0	3,082	0	3,082	0	0	0	0	3,082	0	0	0	0	0	3,082	
0 32	ELLESMERE P.S. UPGRADE -2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	64	0	-64	0	0	0	0	0	0	
0 33	SCARBOROUGH PS - PUMP REPLC -2014 SC	CW	S3	03	-284	230	0	0	0	-54	0	-54	0	0	0	0	-54	0	0	0	0	0	-54	
0 34	EGLINTON PS -PUMP REPLC -2014 SC	CW	S3	03	-1,182	650	0	0	0	-532	0	-532	0	0	0	0	-532	0	0	0	0	0	-532	
0 35	TRANS FACILITIES REHAB - 2014 SC	CW	S3	03	17	150	0	0	0	167	0	167	0	0	0	0	167	0	0	0	0	0	167	
0 36	RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S4	03	300	5,250	500	0	0	6,050	0	6,050	0	0	0	0	6,050	0	0	0	0	0	6,050	
Sub-total					3,265	6,425	1,025	250	4,400	15,365	26,600	41,965	0	0	127	0	41,490	0	0	348	0	0	41,965	
WAT906902	HARRIS W.T.P. R&R																							
0 2	BUILDING ENVELOPE REHAB	CW	S2	03	20	10	0	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30	
0 3	FACILITY & PROCESS UPGRADES	CW	S2	03	0	500	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000	
0 6	LIQUID CHEMICAL SYSTEM RELOCATION	CW	S2	04	16	0	0	0	0	16	0	16	0	0	0	0	16	0	0	0	0	0	16	
0 13	FILTER MEDIA REPLACEMENT PH2	CW	S2	03	350	350	0	0	150	850	300	1,150	0	0	0	0	1,150	0	0	0	0	0	1,150	
0 15	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	0	10,200	
0 21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,059	1,000	1,000	0	0	3,059	0	3,059	0	0	0	0	3,059	0	0	0	0	0	3,059	
0 22	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	780	0	0	0	0	780	0	780	0	0	0	0	780	0	0	0	0	0	780	
0 29	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	0	2,000	8,000	10,000	40,000	50,000	0	0	0	0	50,000	0	0	0	0	0	50,000	
0 30	HARRIS DISINFECTION MODIFICATIONS	CW	S6	04	0	250	1,500	3,500	3,500	8,750	0	8,750	0	0	320	0	8,430	0	0	0	0	0	8,750	
0 56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	2,396	2,200	2,020	0	0	6,616	0	6,616	0	0	0	0	6,616	0	0	0	0	0	6,616	
0 65	FILTER MEDIA REPLACEMENT PH2 -2014 SC	CW	S3	03	-150	-150	150	0	-150	-300	-300	-600	0	0	0	0	-600	0	0	0	0	0	-600	
0 66	FACILITY & PROCESS UPGRADES -2014 SC	CW	S3	03	500	0	-500	-500	-500	-1,000	0	-1,000	0	0	0	0	-1,000	0	0	0	0	0	-1,000	
0 67	TRAVELLING SCREEN REPLACEMENT -2014 SC	CW	S3	03	320	0	0	0	0	320	0	320	0	0	0	0	320	0	0	0	0	0	320	



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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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906906	TRUNK WATERMAIN EXPANSION																						
0 63	JOS WM SCAR PS TO ST CLAIR&MIDLAND -ENG -2014 SC	CW	S3	05	-102	200	150	400	0	648	0	648	0	0	672	0	-170	0	0	146	0	0	648
0 64	CAST IRON T-M REPLACEMENT - PH1 - 2014 SC	CW	S3	03	-40	0	0	0	0	-40	0	-40	0	0	0	0	-40	0	0	0	0	0	-40
Sub-total					610	1,100	2,550	7,400	7,000	18,660	9,500	28,160	0	0	8,502	0	13,264	0	0	6,394	0	0	28,160
WAT906914	SWITCH GEAR TRANSFORMER																						
0 3	ARC FLASH ANALYSIS	CW	S2	01	288	0	0	0	0	288	0	288	0	0	0	0	288	0	0	0	0	0	288
0 13	INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	CW	S2	03	5,140	6,900	2,435	0	0	14,475	0	14,475	0	0	0	0	14,475	0	0	0	0	0	14,475
0 25	ARC FLASH ANALYSIS -2014 SC	CW	S3	01	62	0	0	0	0	62	0	62	0	0	0	0	62	0	0	0	0	0	62
0 26	INDOOR/OUTDOOR SWITCHGEAR(5 Stations Ph3) -2014 SC	CW	S3	03	-4,465	-500	3,800	0	0	-1,165	0	-1,165	0	0	0	0	-1,165	0	0	0	0	0	-1,165
Sub-total					1,025	6,400	6,235	0	0	13,660	0	13,660	0	0	0	0	13,660	0	0	0	0	0	13,660
WAT906917	TRANSMISSION OPERATIONS OPTIMIZER																						
0 8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	448	0	0	0	0	448	0	448	0	0	0	0	448	0	0	0	0	0	448
0 9	TRANSMISSION OPERATIONS OPTIMIZER - 2014 SC	CW	S3	04	112	0	0	0	0	112	0	112	0	0	0	0	112	0	0	0	0	0	112
Sub-total					560	0	0	0	0	560	0	560	0	0	0	0	560	0	0	0	0	0	560
WAT906918	WATER SUSTAINABILITY PROGRAM																						
0 1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	4,200	5,300	5,000	0	0	14,500	0	14,500	0	0	0	0	14,500	0	0	0	0	0	14,500
0 8	WATER SUSTAINABILITY PROGRAM -2014 SC	CW	S3	04	-4,000	-2,550	-650	4,000	0	-3,200	0	-3,200	0	0	686	0	-3,886	0	0	0	0	0	-3,200
Sub-total					200	2,750	4,350	4,000	0	11,300	0	11,300	0	0	686	0	10,614	0	0	0	0	0	11,300
WAT906919	RL CLARK W.T.P. R&R																						
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	603	300	300	300	100	1,603	0	1,603	0	0	0	0	1,603	0	0	0	0	0	1,603
0 8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,535	625	665	584	25	3,434	25	3,459	0	0	0	0	3,459	0	0	0	0	0	3,459
0 11	PROCESS EQUIPMENT UPGRADE CONSTRUCTION - FUTURE	CW	S6	03	0	0	0	0	2,724	2,724	68,574	71,298	0	0	0	0	71,298	0	0	0	0	0	71,298
0 12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	150	150	150	450	750	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0 15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	8,790	10,000	12,000	12,000	12,724	55,514	68,574	124,088	0	0	0	0	124,088	0	0	0	0	0	124,088
0 44	EVALUATION & COMMUNICATION SYSTEMS	CW	S2	03	1,140	125	0	0	0	1,265	0	1,265	0	0	0	0	1,265	0	0	0	0	0	1,265
0 49	PROCESS EQUIPMENT UPGRADE ENGINEERING -2014 SC	CW	S3	03	-280	0	0	0	0	-280	0	-280	0	0	194	0	-474	0	0	0	0	0	-280

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## Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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												
					2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAT906919 RL CLARK W.T.P. R&R																									
0	50	PROCESS EQUIPMENT UPGRADE CONSTRUCTION -2014 SC			CW	S3	03	-674	0	0	0	-2,724	-3,398	-68,574	-71,972	0	0	3,169	0	-75,141	0	0	0	0	-71,972
0	51	EVALUATION & COMMUNICATION SYSTEMS -2014 SC			CW	S3	03	-391	1,080	117	20	7	833	0	833	0	0	0	0	833	0	0	0	0	833
0	52	FACILITY & PROCESS UPGRADES - 2014 SC			CW	S3	03	-303	-130	-300	-300	-100	-1,133	0	-1,133	0	0	0	0	-1,133	0	0	0	0	-1,133
Sub-total								10,420	12,000	12,932	12,754	12,906	61,012	69,349	130,361	0	0	3,363	0	126,998	0	0	0	0	130,361
WAT906930 DIST W/M REPLACEMENT																									
0	4	10Yr Watermain Replacement			CW	S6	03	0	34,750	55,620	59,630	84,000	234,000	507,000	741,000	0	0	69,134	0	671,866	0	0	0	0	741,000
0	15	W/M REPLACEMENT - STAND ALONE			CW	S2	03	14,924	0	0	0	0	14,924	0	14,924	0	0	0	0	14,924	0	0	0	0	14,924
0	29	DIST W/M REPLACEMENT - 2012			CW	S2	03	4,732	0	0	0	0	4,732	0	4,732	0	0	0	0	4,732	0	0	0	0	4,732
0	39	DIST W/M REPLACEMENT 2013			CW	S2	03	11,083	0	0	0	0	11,083	0	11,083	0	0	0	0	11,083	0	0	0	0	11,083
0	41	WATERMAIN UPGRADES			CW	S2	05	1,035	0	0	0	0	1,035	0	1,035	0	0	613	0	422	0	0	0	0	1,035
0	42	10 YEAR WATERMAIN UPGRADES			CW	S6	05	0	6,700	12,000	12,000	12,000	42,700	76,000	118,700	0	0	22,158	0	96,542	0	0	0	0	118,700
0	50	DIST W/M REPLACEMENT 2013 - 2014 SC			CW	S3	03	-6,150	4,450	0	0	0	-1,700	0	-1,700	0	0	0	0	-1,700	0	0	0	0	-1,700
0	51	DIST WM REPLACMENT - 2014			CW	S4	03	19,719	10,482	2,000	0	0	32,201	0	32,201	0	0	0	0	32,201	0	0	0	0	32,201
0	52	WATERMAIN UPGRADES - 2014			CW	S4	05	5,407	3,990	1,000	0	0	10,397	0	10,397	0	0	0	0	10,397	0	0	0	0	10,397
0	53	W/M REPLACEMENT - STAND ALONE -2014 SC			CW	S3	03	-6,045	6,936	0	0	0	891	0	891	0	0	0	0	891	0	0	0	0	891
0	54	WATERMAIN UPGRADES -2014 SC			CW	S3	05	3,121	2,000	0	0	0	5,121	0	5,121	0	0	-613	0	5,734	0	0	0	0	5,121
0	55	WATERMAIN REPLACEMENT - METROLINX			CW	S4	03	25	600	600	1,000	875	3,100	0	3,100	0	0	0	0	3,100	0	0	0	0	3,100
0	56	DIST W/M REPLACEMENT - 2012 - 2014 SC			CW	S3	03	-2,888	3,125	0	0	0	237	0	237	0	0	0	0	237	0	0	0	0	237
Sub-total								44,963	73,033	71,220	72,630	96,875	358,721	583,000	941,721	0	0	91,292	0	850,429	0	0	0	0	941,721
WAT906932 DIST W/M REHABILITATION																									
0	1	WATERMAIN CLEANING & LINING			CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	200
0	3	10 Year Watermain Rehabilitation			CW	S6	03	0	0	1,500	23,700	45,200	70,400	299,300	369,700	0	0	0	0	369,700	0	0	0	0	369,700
0	4	Hydrant & Valve Repair			CW	S2	03	645	0	0	0	0	645	0	645	0	0	0	0	645	0	0	0	0	645
0	5	CUT REPAIRS - 2014 SC			CW	S3	03	1,994	4,371	0	0	0	6,365	0	6,365	0	0	0	0	6,365	0	0	0	0	6,365

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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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906932	DIST W/M REHABILITATION																							
0 6	WATERMAIN STRUCTURAL LINING	CW	S2	03	17,559	0	0	0	0	17,559	0	17,559	0	0	0	0	17,559	0	0	0	0	0	17,559	
0 7	CATHODIC PROTECTION	CW	S2	03	5,244	0	0	0	0	5,244	0	5,244	0	0	0	0	5,244	0	0	0	0	0	5,244	
0 30	CUT REPAIRS	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 34	CUT REPAIRS- FUTURE YEAR	CW	S6	03	0	0	4,502	4,637	4,776	13,915	26,118	40,033	0	0	0	0	40,033	0	0	0	0	0	40,033	
0 38	Hydrant & Valve Repair -2014 SC	CW	S3	03	355	1,000	1,000	1,000	0	3,355	0	3,355	0	0	0	0	3,355	0	0	0	0	0	3,355	
0 39	WATERMAIN STRUCTURAL LINING -2014 SC	CW	S3	03	13,697	31,500	35,000	30,500	0	110,697	0	110,697	0	0	0	0	110,697	0	0	0	0	0	110,697	
0 40	CATHODIC PROTECTION -2014 SC	CW	S3	03	-1,209	3,500	3,500	3,500	0	9,291	0	9,291	0	0	0	0	9,291	0	0	0	0	0	9,291	
0 41	WATERMAIN CLEANING &LINING - 2014 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	0	0	0	0	-56	0	0	0	0	0	-56	
Sub-total					40,679	40,371	45,502	63,337	49,976	239,865	325,418	565,283	0	0	0	0	565,283	0	0	0	0	0	565,283	
WAT906934	DIST WATER SERVICE REPAIR																							
0 4	10 YR ALL DIST WSR - LEAD	CW	S6	02	0	0	0	0	9,835	9,835	53,779	63,614	0	0	0	0	63,614	0	0	0	0	0	63,614	
0 6	10Yr All Dist WSR - SOGR	CW	S6	02	0	0	5,665	5,835	6,010	17,510	32,046	49,556	0	0	0	0	49,556	0	0	0	0	0	49,556	
0 12	ALL DISTRICT WSR - LEAD REPLACEMENT	CW	S2	02	10,000	1,989	0	0	0	11,989	0	11,989	0	0	0	0	11,989	0	0	0	0	0	11,989	
0 20	WATER SERVICE REPAIR - STAND ALONE	CW	S2	02	514	0	0	0	0	514	0	514	0	0	0	0	514	0	0	0	0	0	514	
0 32	WSR CUT REPAIRS	CW	S2	03	2,170	0	0	0	0	2,170	0	2,170	0	0	0	0	2,170	0	0	0	0	0	2,170	
0 41	2013 WATER SERVICE REPLACMENT -SOGR	CW	S2	02	1,834	0	0	0	0	1,834	0	1,834	0	0	0	0	1,834	0	0	0	0	0	1,834	
0 45	WSR CUT REPAIRS - FUTURE	CW	S6	03	0	0	2,251	2,319	2,388	6,958	13,061	20,019	0	0	0	0	20,019	0	0	0	0	0	20,019	
0 52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	3,000	5,000	0	0	0	8,000	0	8,000	0	0	0	0	8,000	0	0	0	0	0	8,000	
0 53	ALL DISTRICT WSR - LEAD REPLACEMENT -2014 SC	CW	S3	02	-116	7,850	9,250	9,250	0	26,234	0	26,234	0	0	0	0	26,234	0	0	0	0	0	26,234	
0 54	WATER SERVICE REPAIR - STAND ALONE -2014 SC	CW	S3	02	918	0	0	0	0	918	0	918	0	0	0	0	918	0	0	0	0	0	918	
0 55	WSR CUT REPAIRS - 2014 SC	CW	S3	03	-48	2,186	0	0	0	2,138	0	2,138	0	0	0	0	2,138	0	0	0	0	0	2,138	
0 56	2012 WATER SERVICE REPLACEMENT - 2014 SC	CW	S3	02	84	50	0	0	0	134	0	134	0	0	0	0	134	0	0	0	0	0	134	
0 57	2013 WATER SERVICE REPLACMENT -SOGR - 2014 SC	CW	S3	02	-207	2,550	0	0	0	2,343	0	2,343	0	0	0	0	2,343	0	0	0	0	0	2,343	
Sub-total					18,149	19,625	17,166	17,404	18,233	90,577	98,886	189,463	0	0	0	0	189,463	0	0	0	0	0	189,463	



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### 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906935 NEW SERVICE CONNECTIONS																								
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	4,000	0	0	0	18,000	0	18,000	0	0	0	0	18,000	0	0	0	0	0	18,000
0	14	10 YEAR WATER SERVICES CONNECTIONS	CW	S6	05	0	0	14,000	14,000	14,000	42,000	70,000	112,000	0	0	0	0	112,000	0	0	0	0	0	112,000
0	15	NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE	CW	S6	05	0	0	3,500	3,500	3,500	10,500	17,500	28,000	0	0	0	0	28,000	0	0	0	0	0	28,000
0	16	NEW SERVICE CONNECTIONS - CUT REPAIRS -2014 SC	CW	S3	05	0	3,500	0	0	0	3,500	0	3,500	0	0	0	0	3,500	0	0	0	0	0	3,500
0	17	NEW SERVICE CONNECTIONS - SITE SERVICING - 2014 SC	CW	S3	05	0	10,000	0	0	0	10,000	0	10,000	0	0	0	0	10,000	0	0	0	0	0	10,000
Sub-total						17,500	17,500	17,500	17,500	17,500	87,500	87,500	175,000	0	0	0	0	175,000	0	0	0	0	0	175,000
WAT906951 ENGINEERING																								
0	1	ROAD RESTORATION - 2014 SC	CW	S3	03	5,198	0	0	0	0	5,198	0	5,198	0	0	0	0	5,198	0	0	0	0	0	5,198
0	2	CONSULTING FEES	CW	S2	03	5,834	9,000	0	0	0	14,834	0	14,834	0	0	0	0	14,834	0	0	0	0	0	14,834
0	5	10 YEAR ENGINEERING	CW	S6	03	0	25,623	26,892	27,684	28,499	108,698	175,611	284,309	0	0	0	0	284,309	0	0	0	0	0	284,309
0	37	SALARIES: LEGAL SALARIES - 2014 SC	CW	S3	03	188	0	0	0	0	188	0	188	0	0	0	0	188	0	0	0	0	0	188
0	45	ECS SALARIES	CW	S4	03	12,033	0	0	0	0	12,033	0	12,033	0	0	0	0	12,033	0	0	0	0	0	12,033
0	46	SALARIES: DISTRICT OPERATIONS - 2014 SC	CW	S3	03	623	0	0	0	0	623	0	623	0	0	0	0	623	0	0	0	0	0	623
0	49	ROAD RESTORATION - FUTURE	CW	S6	03	0	5,354	5,515	0	0	10,869	0	10,869	0	0	0	0	10,869	0	0	0	0	0	10,869
0	50	CONSULTING FEES -2014 SC	CW	S3	03	-2,618	-5,025	6,687	5,912	5,445	10,401	9,176	19,577	0	0	0	0	19,577	0	0	0	0	0	19,577
Sub-total						21,258	34,952	39,094	33,596	33,944	162,844	184,787	347,631	0	0	0	0	347,631	0	0	0	0	0	347,631
WAT906977 ISLAND W.T.P. R&R																								
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	491	375	375	0	0	1,241	0	1,241	0	0	0	0	1,241	0	0	0	0	0	1,241
0	7	FILTER MEDIA REPLC	CW	S2	03	75	150	0	150	0	375	300	675	0	0	0	0	675	0	0	0	0	0	675
0	12	FACILITY UPGRADE	CW	S4	03	300	1,600	1,100	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0	18	VALVE CHAMBER UPGRADES	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	20	ISLAND SBS CONVERSION	CW	S2	04	44	0	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	0	44
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	850	0	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	850

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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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAT906977	ISLAND W.T.P. R&R																							
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S6	03	0	560	1,150	290	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000	
0 33	ISLAND SEAWALL REHABILITATION	CW	S2	03	1,336	0	0	0	0	1,336	0	1,336	0	0	0	0	1,336	0	0	0	0	0	1,336	
0 44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2	04	1,100	0	0	0	0	1,100	0	1,100	0	0	0	0	1,100	0	0	0	0	0	1,100	
0 50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S4	03	75	890	1,285	0	0	2,250	0	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250	
0 51	CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION	CW	S4	03	55	465	0	0	0	520	0	520	0	0	0	0	520	0	0	0	0	0	520	
0 52	CONDITION ASSESSMENT & REHAB OF RAW WATER WETWELL	CW	S4	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100	
0 53	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	375	375	375	1,125	1,875	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000	
0 54	FILTER MEDIA REPLC - FUTURE	CW	S6	03	0	0	150	0	150	300	300	600	0	0	0	0	600	0	0	0	0	0	600	
0 55	FILTER MEDIA REPLC - 2014 SC	CW	S3	03	0	-150	0	-150	0	-300	-300	-600	0	0	0	0	-600	0	0	0	0	0	-600	
0 56	VALVE CHAMBER UPGRADES - 2014 SC	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100	
0 57	ISLAND SBS CONVERSION - 2014 SC	CW	S3	04	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6	
0 58	FACILITY & PROCESS UPGRADES - 2014 SC	CW	S3	03	507	227	-149	0	0	585	0	585	0	0	0	0	585	0	0	0	0	0	585	
0 59	ISLAND SEAWALL REHABILITATION - 2014 SC	CW	S3	03	-616	0	0	0	0	-616	0	-616	0	0	0	0	-616	0	0	0	0	0	-616	
0 60	ISLAND FILTER AIR SCOUR SYSTEM - 2014 SC	CW	S3	04	0	500	0	0	0	500	0	500	0	0	82	0	418	0	0	0	0	0	500	
0 61	ISLAND ENWAVE/RETROFIT PROJECT - 2014 SC	CW	S3	04	-926	260	350	0	0	-316	0	-316	0	0	0	0	-316	0	0	0	0	0	-316	
Sub-total					3,397	4,877	4,636	665	525	14,100	2,175	16,275	0	0	82	0	16,193	0	0	0	0	0	16,275	
WAT906979	D2/D4 TRUNK WATERMAIN UPGRADES																							
0 4	JOS - NEILSON (ELLESMERE-SHEPPARD) WM CONSTRUCTION	CW	S2	05	1,170	0	0	0	0	1,170	0	1,170	0	0	157	0	583	0	0	430	0	0	1,170	
0 7	Ellesmere WM (Markham to Neilson) ENG	CW	S2	05	0	0	0	0	100	100	1,070	1,170	0	0	156	0	352	0	0	662	0	0	1,170	
0 8	ELLESMERE WM (MARKHAM TO NEILSON) CONST	CW	S6	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 9	EASTMALL W-M ENGINEERING	CW	S6	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 10	EASTMALL CAST IRON WM CONSTRUCTION	CW	S6	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 11	JOS - VICTORIA PARK WM CONSTRUCTION	CW	S6	05	0	0	0	0	0	0	52,000	52,000	0	0	15,005	0	27,972	0	0	9,023	0	0	52,000	
0 26	JOS VICTORIA PARK WM - ENGINEERING	CW	S6	05	0	0	0	0	300	300	2,325	2,625	0	0	756	0	1,869	0	0	0	0	0	2,625	

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Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906979	D2/D4 TRUNK WATERMAIN UPGRADES																						
0 29	JOS -NEILSON(ELLESMERE-SHEPPARD)WM -2014 SC	CW	S3	05	130	0	0	0	0	130	0	130	0	0	191	0	-110	0	0	49	0	0	130
0 30	Ellesmere WM (Markham to Neilson) ENG -2014 SC	CW	S3	05	0	0	0	0	-100	-100	-1,070	-1,170	0	0	-156	0	-352	0	0	-662	0	0	-1,170
Sub-total					1,300	0	0	0	300	1,600	54,325	55,925	0	0	16,109	0	30,314	0	0	9,502	0	0	55,925
WAT907135	BAYVIEW TRUNK WATERMAIN - PH2																						
0 1	JOS - MT- PLEASANT WM - CONST	CW	S2	05	0	0	0	0	1,000	1,000	80,000	81,000	0	0	502	0	1,287	0	0	79,211	0	0	81,000
0 5	HPEC W-M - BAYVIEW TO KEELE	CW	S6	05	0	0	400	100	400	900	8,000	8,900	0	0	3,321	0	5,579	0	0	0	0	0	8,900
0 8	JOS - MT- PLEASANT WM - CONST -2014 SC	CW	S3	05	0	0	0	0	-1,000	-1,000	-80,000	-81,000	0	0	-502	0	-1,287	0	0	-79,211	0	0	-81,000
Sub-total					0	0	400	100	400	900	8,000	8,900	0	0	3,321	0	5,579	0	0	0	0	0	8,900
WAT907353	LAWRENCE ALLAN REVITALIZATION PLAN																						
0 1	LAWRENCE ALLAN REVITALIZATION PLAN-INFRASTRUTURE	CW	S2	05	0	3,668	3,354	12,641	2,127	21,790	3,531	25,321	0	0	0	0	25,321	0	0	0	0	0	25,321
0 2	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL SEWER	CW	S2	05	0	2,803	0	5,437	0	8,240	0	8,240	0	0	3,461	0	4,779	0	0	0	0	0	8,240
0 4	LAWRENCE ALLAN REVITALIZATION-EXTERNAL -2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	4,779	0	-4,779	0	0	0	0	0	0
0 5	LAWRENCE ALLAN REVITALIZATION PLAN-INTER - 2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	4,868	0	-4,868	0	0	0	0	0	0
Sub-total					0	6,471	3,354	18,078	2,127	30,030	3,531	33,561	0	0	13,108	0	20,453	0	0	0	0	0	33,561
WAT907558	REGENT PARK CAPITAL CONTRIBUTION																						
0 1	REGENT PARK CAPITAL CONTRIBUTION	28	S2	05	0	859	330	132	745	2,066	984	3,050	0	0	0	0	3,050	0	0	0	0	0	3,050
0 8	REGENT PARK CAPITAL CONTRIBUTION - 2014 SC	CW	S3	05	0	0	0	0	0	0	162	162	0	0	3,212	0	-3,050	0	0	0	0	0	162
Sub-total					0	859	330	132	745	2,066	1,146	3,212	0	0	3,212	0	0	0	0	0	0	0	3,212
WAT907946	BUSINESS IT PROJECTS																						
0 1	BUSINESS INTELLIGENCE INITIATIVES	CW	S2	04	425	0	0	0	0	425	0	425	0	0	0	0	425	0	0	0	0	0	425
0 2	BACKFLOW INSPECTION PORTAL	CW	S2	04	250	200	0	0	0	450	0	450	0	0	0	0	450	0	0	0	0	0	450
0 3	DISASTER RECOVERY - DRP - 2014 SC	CW	S3	04	121	0	0	0	0	121	0	121	0	0	0	0	121	0	0	0	0	0	121
0 4	EDOCS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50
0 5	BACKFLOW INSPECTION PORTAL -2014 SC	CW	S3	04	-250	-200	200	200	0	-50	0	-50	0	0	0	0	-50	0	0	0	0	0	-50
0 6	EDOCS -2014 SC	CW	S3	04	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100



Report Phase 5 - Program 10 Water Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Water Program						Current and Future Year Cash Flow Commitments and Estimates							Current and Future Year Cash Flow Commitments and Estimates Financed By									
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Capital from Current Funds	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Financed By:																						
		Development Charges				7,715	19,760	16,893	25,184	22,167	91,719	97,765	189,484	0	0	189,484	0	0	0	0	0	189,484
		Reserve Funds (Ind."XR" Ref.)				241,320	301,073	294,200	269,386	265,761	1,371,740	1,476,260	2,848,000	0	0	0	0	2,848,000	0	0	0	2,848,000
		Other2 (External)				15,963	12,270	8,873	7,805	7,595	52,506	17,842	70,348	0	0	0	0	0	0	70,348	0	70,348
Total Program Financing						264,998	333,103	319,966	302,375	295,523	1,515,965	1,591,867	3,107,832	0	0	189,484	0	2,848,000	0	0	70,348	3,107,832

Status Code	Description
S2	S2 Prior Year (With 2014 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2014 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 2015 & 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: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000115	HUMBER T.P.																						
0 9	HTP CO-GENERATION	CW	S6	04	0	200	200	109	0	509	0	509	0	0	0	0	509	0	0	0	0	0	509
Sub-total					0	200	200	109	0	509	0	509	0	0	0	0	509	0	0	0	0	0	509
WAS000160	ASHBRIDGES BAY TREATMENT PLANT - III																						
0 19	BIOSOLIDS IMPRVS & STUDIES	CW	S2	04	165	0	0	0	0	165	0	165	0	0	5	0	160	0	0	0	0	0	165
0 43	BIOSOLIDS IMPRVS & STUDIES -2014 SC	CW	S3	04	-165	0	0	0	0	-165	0	-165	0	0	-5	0	-160	0	0	0	0	0	-165
Sub-total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAS000259	TRUNK SEWER SYSTEM																						
0 15	TRUNK SEVWER REHAB-2012	CW	S2	03	24,464	12,900	3,000	500	0	40,864	0	40,864	0	0	0	0	40,864	0	0	0	0	0	40,864
0 18	Keele Trunk Sewer Design & Construction	CW	S6	05	0	0	500	1,000	5,000	6,500	78,000	84,500	0	0	31,543	0	52,957	0	0	0	0	0	84,500
0 23	TRUNK SEWER REHABILITATION	CW	S2	03	395	225	0	0	0	620	0	620	0	0	0	0	620	0	0	0	0	0	620
0 24	TRUNK SEWER REHABILITATION - FORECAST	CW	S6	03	0	0	0	18,000	19,000	37,000	100,000	137,000	0	0	0	0	137,000	0	0	0	0	0	137,000
0 27	TRUNK SEWER REHABILITATION - 2014	CW	S4	03	455	12,880	18,225	3,543	7	35,110	0	35,110	0	0	0	0	35,110	0	0	0	0	0	35,110
0 33	TRUNK SEVWER REHAB-2012 -2014 SC	CW	S3	03	-16,893	-6,984	1,884	1,111	381	-20,501	49	-20,452	0	0	0	0	-20,452	0	0	0	0	0	-20,452
0 34	KEELE TRUNK SEWER PROPERTY ACQUISTION -2014 SC	CW	S3	05	500	500	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000
0 36	TRUNK SEWER REPLACEMENT-FORECAST	CW	S6	03	0	0	5,000	5,000	5,000	15,000	25,000	40,000	0	0	0	0	40,000	0	0	0	0	0	40,000
0 37	TRUNK SEWER REHABILITATION - 2014 SC	CW	S3	03	-225	-55	0	0	0	-280	0	-280	0	0	0	0	-280	0	0	0	0	0	-280
Sub-total					8,696	19,466	28,609	29,154	29,388	115,313	203,049	318,362	0	0	31,543	0	286,819	0	0	0	0	0	318,362
WAS000442	BASEMENT FLOODING RELIEF																						
0 8	BASEMENT FLOODING STUDIES & EAS	CW	S2	04	3,236	0	0	0	0	3,236	0	3,236	0	0	0	0	3,236	0	0	0	0	0	3,236
0 9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	CW	S2	04	33,063	0	0	0	0	33,063	0	33,063	0	0	0	0	33,063	0	0	0	0	0	33,063
0 12	ROAD RESTORATION FOR BSMT FLDG	CW	S2	04	5,013	3,000	0	0	0	8,013	0	8,013	0	0	0	0	8,013	0	0	0	0	0	8,013
0 14	BASEMENT FLOODING DESIGN - GROUP 1	CW	S2	04	4,363	100	50	0	0	4,513	0	4,513	0	0	0	0	4,513	0	0	0	0	0	4,513
0 18	BASEMENT FLOODING DESIGN - GROUP 2	CW	S2	04	7,000	7,000	6,000	5,000	0	25,000	0	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000
0 19	BASEMENT FLOODING RELIEF- GROUP 2	CW	S4	04	17,292	41,222	39,832	49,299	1,500	149,145	0	149,145	0	0	0	0	149,145	0	0	0	0	0	149,145
0 20	BASEMENT FLOODING DESIGN - GROUP 3	CW	S4	04	100	3,000	4,000	5,000	5,000	17,100	8,000	25,100	0	0	0	0	25,100	0	0	0	0	0	25,100

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000442	BASEMENT FLOODING RELIEF																						
0 29	BASEMENT FLOODING RELIEF - GROUP 1	CW	S2	04	47,555	75	75	75	0	47,780	0	47,780	0	0	0	0	47,780	0	0	0	0	0	47,780
0 52	BASEMENT FLOODING RELIEF-FUTURE	CW	S6	04	0	0	0	0	48,451	48,451	445,000	493,451	0	0	0	0	493,451	0	0	0	0	0	493,451
0 59	BASEMENT FLOODING RELIEF -BACKFLOW GRANTS -2014 SC	CW	S3	04	3,000	3,000	3,000	3,000	3,000	15,000	17,500	32,500	0	0	0	0	32,500	0	0	0	0	0	32,500
0 60	BASEMENT FLOODING STUDIES & EAS -2014 SC	CW	S3	04	-585	1,618	1,485	0	0	2,518	0	2,518	0	0	0	0	2,518	0	0	0	0	0	2,518
0 61	BASEMENT FLOODING DESIGN GROUP 1 -2014 SC	CW	S3	04	-3,075	1,788	1,850	0	0	563	0	563	0	0	0	0	563	0	0	0	0	0	563
0 62	BASEMENT FLOODING DESIGNH GROUP 2 - 2014 SC	CW	S3	04	-900	-1,100	-500	500	25	-1,975	0	-1,975	0	0	0	0	-1,975	0	0	0	0	0	-1,975
0 63	BASEMENT FLOODING RELIEF - GROUP 1 -2014 SC	CW	S3	04	-22,432	11,635	15,000	0	0	4,203	0	4,203	0	0	0	0	4,203	0	0	0	0	0	4,203
0 64	ROAD RESTORATION FOR BSMT FLDG -2014 SC	CW	S3	04	-2,321	-2,228	0	0	0	-4,549	0	-4,549	0	0	0	0	-4,549	0	0	0	0	0	-4,549
0 65	BASEMENT FLOODING RELIEF -TUNNEL PROJECT -2014 SC	CW	S3	04	-32,553	10,000	32,000	37,000	40,500	86,947	30,000	116,947	0	0	0	0	116,947	0	0	0	0	0	116,947
1 1	BASEMENT FLOODING RELIEF - BACKFLOW GRANTS	CW	S2	04	2,500	2,500	2,500	2,500	2,500	12,500	10,000	22,500	0	0	0	0	22,500	0	0	0	0	0	22,500
Sub-total					61,256	81,610	105,292	102,374	100,976	451,508	510,500	962,008	0	0	0	0	962,008	0	0	0	0	0	962,008
WAS000521	HIGHLAND CREEK WWTP - BUILDING SERV &																						
0 3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	500	4,000	4,000	3,000	0	11,500	0	11,500	0	0	0	0	11,500	0	0	0	0	0	11,500
0 6	HCTP BLDG REHAB & IMPROVEMENTS - 2014 SC	CW	S3	03	998	-500	0	0	0	498	0	498	0	0	0	0	498	0	0	0	0	0	498
Sub-total					1,498	3,500	4,000	3,000	0	11,998	0	11,998	0	0	0	0	11,998	0	0	0	0	0	11,998
WAS000523	HIGHLAND CREEK WWTP - O&M UPGRADES																						
0 1	PLANT FIRM CAPACITY UPGRADES - PHASE V	CW	S6	05	0	0	0	0	0	0	3,000	3,000	0	0	145	0	2,855	0	0	0	0	0	3,000
Sub-total					0	0	0	0	0	0	3,000	3,000	0	0	145	0	2,855	0	0	0	0	0	3,000
WAS906322	W&WW LABORATORIES																						
0 9	LAB EQUIPMENT	CW	S2	03	112	100	0	0	0	212	0	212	0	0	0	0	212	0	0	0	0	0	212
0 22	LAB & EMP FACILITIES	CW	S6	04	0	0	0	0	0	0	19,300	19,300	0	0	0	0	19,300	0	0	0	0	0	19,300
0 24	LAB EQUIPMENT -2014 SC	CW	S3	03	8	50	0	0	0	58	0	58	0	0	0	0	58	0	0	0	0	0	58
Sub-total					120	150	0	0	0	270	19,300	19,570	0	0	0	0	19,570	0	0	0	0	0	19,570
WAS906328	SWM END OF PIPE FACILITIES																						
0 6	DON VALLEY SWM	CW	S6	04	0	0	0	0	40	40	3,920	3,960	0	0	318	0	3,642	0	0	0	0	0	3,960



CITY OF TORONTO

Gross Expenditures (\$000's)  
Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906328	SWM END OF PIPE FACILITIES																							
0 9	NORTH TORONTO CSO CONSTR	CW	S2	04	5,000	500	0	0	0	5,500	0	5,500	0	0	550	0	4,950	0	0	0	0	0	5,500	
0 10	ETOBICOKE WATERFRONT SWM CONST	CW	S6	04	0	0	0	0	0	0	52,500	52,500	0	0	4,224	0	48,276	0	0	0	0	0	52,500	
0 11	BONAR CREEK CONSTRUCTION	CW	S4	04	200	800	2,150	5,400	5,250	13,800	2,600	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	3,500	1,000	500	0	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000	
0 35	EASTERN BEACHES WATER QUALITY IMPROVEMENTS	CW	S2	04	250	0	0	0	0	250	0	250	0	0	25	0	225	0	0	0	0	0	250	
0 38	COATSWORTH CUT DESIGN & CONSTRUCTION	CW	S6	04	0	0	0	0	300	300	9,900	10,200	0	0	821	0	9,379	0	0	0	0	0	10,200	
0 39	SCARBOROUGH WATERFRONT CSO CONSTRUCTION	CW	S6	04	0	0	0	1,150	4,000	5,150	42,800	47,950	0	0	3,860	0	44,090	0	0	0	0	0	47,950	
0 49	NORTH TORONTO CSO CONSTR -2014 SC	CW	S3	04	-4,500	2,500	2,500	0	0	500	0	500	0	0	-68	0	568	0	0	0	0	0	500	
0 50	EARL BALES SWM FACILITY - PHASE 2 -2014 SC	CW	S3	04	-3,000	2,000	1,500	0	0	500	0	500	0	0	442	0	58	0	0	0	0	0	500	
0 51	EASTERN BEACHES WATER QUALITY IMPROVEMENTS-2014 SC	CW	S3	04	-250	0	0	0	0	-250	0	-250	0	0	-25	0	-225	0	0	0	0	0	-250	
Sub-total					1,200	6,800	6,650	6,550	9,590	30,790	111,720	142,510	0	0	11,467	0	131,043	0	0	0	0	0	142,510	
WAS906331	SWM SOURCE CONTROL PROG																							
0 9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	250	150	150	850	0	850	0	0	85	0	765	0	0	0	0	0	850	
0 14	DOWNSPOUT DISCONNECTION PROGRAM -2014 SC	CW	S3	04	0	0	0	0	0	0	0	0	0	0	-85	0	85	0	0	0	0	0	0	
Sub-total					150	150	250	150	150	850	0	850	0	0	0	0	850	0	0	0	0	0	850	
WAS906380	HIGHLAND CREEK WWTP - ODOUR CONTROL																							
0 1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	876	510	250	650	100	2,386	5	2,391	0	0	48	0	2,343	0	0	0	0	0	2,391	
0 2	ODOUR CONTROL UPGRADES PHASE 1 CONST	CW	S2	02	20,760	20,000	20,000	9,000	0	69,760	0	69,760	0	0	1,395	0	68,365	0	0	0	0	0	69,760	
0 3	ODOUR CONTROL UPGRADES - PH 2	CW	S6	02	0	0	0	0	400	400	34,700	35,100	0	0	1,695	0	33,405	0	0	0	0	0	35,100	
0 14	ODOUR CONTROL UPGRADES - PHASE 1 ENG -2014 SC	CW	S3	04	-416	0	230	150	0	-36	0	-36	0	0	141	0	-177	0	0	0	0	0	-36	
0 15	ODOUR CONTROL UPGRADES PHASE 1 CONST -2014 SC	CW	S3	02	-15,760	-5,000	-5,000	6,000	15,000	-4,760	10,000	5,240	0	0	4,640	0	600	0	0	0	0	0	5,240	
Sub-total					5,460	15,510	15,480	15,800	15,500	67,750	44,705	112,455	0	0	7,919	0	104,536	0	0	0	0	0	112,455	
WAS906486	ASHBRIDGES BAY T.P. - III YR2004																							
0 3	PCS-PLANT SRVS	CW	S2	04	1,300	360	30	0	0	1,690	0	1,690	0	0	51	0	1,639	0	0	0	0	0	1,690	
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	0	800	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
0 43	PCS-PLANT SRVS -2014 SC	CW	S3	04	-170	1,170	20	30	0	1,050	0	1,050	0	0	169	0	881	0	0	0	0	1,050	
Sub-total					1,130	1,530	50	30	0	2,740	800	3,540	0	0	220	0	3,320	0	0	0	0	3,540	
WAS906487 HIGHLAND CREEK T.P. - IV YR2004																							
0 2	PCS PLANT SERVICES	CW	S2	04	115	213	0	0	0	328	0	328	0	0	7	0	321	0	0	0	0	328	
0 19	PCS PLANT SERVICES -2014 SC	CW	S3	04	90	-150	3	0	0	-57	0	-57	0	0	15	0	-72	0	0	0	0	-57	
Sub-total					205	63	3	0	0	271	0	271	0	0	22	0	249	0	0	0	0	271	
WAS906488 HUMBER T.P. - II YR2004																							
0 2	PCS PLANT SERVICES	CW	S2	04	130	55	0	0	0	185	0	185	0	0	3	0	182	0	0	0	0	185	
0 21	PCS PLANT SERVICES -2014 SC	CW	S3	04	-25	125	5	7	0	112	0	112	0	0	20	0	92	0	0	0	0	112	
Sub-total					105	180	5	7	0	297	0	297	0	0	23	0	274	0	0	0	0	297	
WAS906492 WET WEATHER FLOW MP																							
0 1	SWM INA-EA	CW	S2	04	1,045	615	475	0	0	2,135	0	2,135	0	0	215	0	1,920	0	0	0	0	2,135	
0 2	WWFMP - PUBLIC EDUCATION	CW	S2	04	860	500	500	0	0	1,860	0	1,860	0	0	93	0	1,767	0	0	0	0	1,860	
0 10	10 Yr WWFMP Public Ed - Communications	CW	S6	04	0	0	3,000	4,000	5,125	12,125	30,000	42,125	0	0	3,390	0	38,735	0	0	0	0	42,125	
0 11	10 Yr WWFMMP Implementation	CW	S6	04	0	0	0	500	500	1,000	2,500	3,500	0	0	280	0	3,220	0	0	0	0	3,500	
0 14	WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN	CW	S2	04	3,107	1,241	0	0	0	4,348	0	4,348	0	0	434	0	3,914	0	0	0	0	4,348	
0 15	WWF MONITORING STATIONS	CW	S2	04	0	0	250	250	250	750	0	750	0	0	39	0	711	0	0	0	0	750	
0 40	10 YEAR SWM - CONVEYANCE	CW	S6	04	0	0	0	0	0	0	6,000	6,000	0	0	482	0	5,518	0	0	0	0	6,000	
0 44	SWM CONVEYANCE 2013	CW	S2	04	2,604	0	0	0	0	2,604	0	2,604	0	0	259	0	2,345	0	0	0	0	2,604	
0 51	SWM CONVEYANCE 2014	CW	S4	04	3,461	2,048	0	0	0	5,509	0	5,509	0	0	0	0	5,509	0	0	0	0	5,509	
0 52	SWM INA-EA -2014 SC	CW	S3	04	-665	-85	-325	150	150	-775	0	-775	0	0	-105	0	-670	0	0	0	0	-775	
0 53	WWFMP - PUBLIC EDUCATION -2014 SC	CW	S3	04	-360	0	0	0	0	-360	0	-360	0	0	27	0	-387	0	0	0	0	-360	
0 54	WWFMP IMPLEMENTATION-DESIGN&CON ADMIN	CW	S3	04	-1,807	-141	1,000	500	0	-448	0	-448	0	0	-120	0	-328	0	0	0	0	-448	
0 55	WWF MONITORING STATIONS -2014 SC	CW	S3	04	0	0	-250	-250	250	-250	600	350	0	0	49	0	301	0	0	0	0	350	

**CITY OF TORONTO**

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

**Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan**

Wastewater Program																								
						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
												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
Sub-Priority	Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023											
<u>WAS906492 WET WEATHER FLOW MP</u>																								
0	56	SWM CONVEYANCE 2013 -2014 SC	CW	S3	04	-354	0	0	0	0	-354	0	-354	0	0	-78	0	-276	0	0	0	0	0	-354
Sub-total						7,891	4,178	4,650	5,150	6,275	28,144	39,100	67,244	0	0	4,965	0	62,279	0	0	0	0	0	67,244
<u>WAS906495 SEWER ASSET PLANNING</u>																								
0	5	Sewer Asset Planning	CW	S2	03	1,194	1,000	1,000	0	0	3,194	0	3,194	0	0	0	0	3,194	0	0	0	0	0	3,194
0	7	Sewer System Inspection	CW	S2	03	9,117	8,000	8,000	9,000	0	34,117	0	34,117	0	0	0	0	34,117	0	0	0	0	0	34,117
0	17	SEWER ASSET PLANNING - 10 YR FORECAST	CW	S6	04	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	384	0	7,616	0	0	0	0	0	8,000
0	18	SEWER SYSTEM INSPECTION - 10 YR FORECAST	CW	S6	03	0	0	0	0	0	0	40,000	40,000	0	0	0	0	40,000	0	0	0	0	0	40,000
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S4	05	150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	22	PPD - INFRASTRUCTURE PLANNING STUDIES - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	23	Sewer Asset Planning -2014 SC	CW	S3	03	54	825	-385	0	0	494	0	494	0	0	296	0	198	0	0	0	0	0	494
0	24	Sewer System Inspection -2014 SC	CW	S3	03	-3,158	3,048	4,000	3,000	12,000	18,890	15,000	33,890	0	0	0	0	33,890	0	0	0	0	0	33,890
Sub-total						7,357	13,023	13,765	13,150	13,150	60,445	60,750	121,195	0	0	680	0	120,515	0	0	0	0	0	121,195
<u>WAS906500 NEW SEWER CONSTRUCTION</u>																								
0	4	10 Year New Sewer Construction	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	2,984	0	5,016	0	0	0	0	0	8,000
0	5	NEW SEWERS	CW	S2	05	1,202	0	0	0	0	1,202	0	1,202	0	0	1,082	0	120	0	0	0	0	0	1,202
0	16	10 YEAR SEWER UPGRADES (CORRIDOR STUDIES)	CW	S6	05	0	0	0	2,000	4,000	6,000	38,000	44,000	0	0	13,200	0	30,800	0	0	0	0	0	44,000
0	17	WATERFRONT SANITARY MASTER SERV PIAN IMP	CW	S6	05	0	1,000	3,000	5,000	5,000	14,000	25,000	39,000	0	0	0	0	39,000	0	0	0	0	0	39,000
0	18	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S6	05	0	2,000	4,000	2,000	0	8,000	0	8,000	0	0	8,000	0	0	0	0	0	0	0	8,000
0	22	NEW SEWERS -2014 SC	CW	S3	05	-1,000	1,000	0	0	0	0	0	0	0	0	-334	0	334	0	0	0	0	0	0
Sub-total						202	4,000	8,000	10,000	10,000	32,202	68,000	100,202	0	0	24,932	0	75,270	0	0	0	0	0	100,202

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater Program																									
							Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
												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
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023													
WAS906735 DIST SEWER REHAB OPS YR2005																									
010	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	800	0	0	0	0	800	0	800	0	0	61	0	739	0	0	0	0	0	800		
015	GROUP 1 SEWAGE PUMPING STATION UPGRADES -2014 SC	CW	S3	03	-500	188	12	0	0	-300	0	-300	0	0	-21	0	-279	0	0	0	0	0	-300		
Sub-total							300	188	12	0	0	500	0	500	0	0	40	0	460	0	0	0	0	500	
WAS906741 HIGHLAND CREEK TP YR2005																									
01	WAS THICKENING AND DEWATERING ENG	CW	S2	03	410	17	10	0	4	441	0	441	0	0	7	0	434	0	0	0	0	0	441		
016	WAS THICKENING AND DEWATERING ENG -2014 SC	CW	S3	03	-160	300	303	0	1	444	0	444	0	0	64	0	380	0	0	0	0	0	444		
Sub-total							250	317	313	0	5	885	0	885	0	0	71	0	814	0	0	0	0	885	
WAS906742 HUMBER TP YR2005																									
06	HEADHOUSE UPGRADES Phase 1	CW	S2	03	10	5	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15		
08	ODOUR CONTROL ENGINEERING	CW	S2	04	982	600	101	0	0	1,683	0	1,683	0	0	16	0	1,667	0	0	0	0	0	1,683		
051	ODOUR CONTROL ENGINEERING -2014 SC	CW	S3	04	18	400	320	100	101	939	0	939	0	0	-16	0	955	0	0	0	0	0	939		
052	HEADHOUSE UPGRADES Phase 1 - 2014 SC	CW	S3	03	508	15	0	0	0	523	0	523	0	0	44	0	479	0	0	0	0	0	523		
Sub-total							1,518	1,020	421	100	101	3,160	0	3,160	0	0	44	0	3,116	0	0	0	0	3,160	
WAS906743 ASHRIDGES BAY TP YR2005																									
01	Process & Equip Upgrades	CW	S2	03	450	165	540	830	0	1,985	0	1,985	0	0	59	0	1,926	0	0	0	0	0	1,985		
048	Process & Equip Upgrades -2014 SC	CW	S3	03	-310	315	-218	-372	82	-503	0	-503	0	0	61	0	-564	0	0	0	0	0	-503		
049	M & T Retrofit -2014 SC	CW	S3	03	-10	753	0	0	0	743	0	743	0	0	0	0	743	0	0	0	0	0	743		
050	SERVICE AIR UPGRADES -2014 SC	CW	S3	03	-4,750	2,790	2,674	550	617	1,881	0	1,881	0	0	0	0	1,881	0	0	0	0	0	1,881		
14	M & T IMPROVEMENTS (EQUIPMENT)	CW	S2	03	1,827	0	0	0	0	1,827	0	1,827	0	0	0	0	1,827	0	0	0	0	0	1,827		
17	SERVICE AIR UPGRADES	CW	S2	03	7,150	1,210	176	0	0	8,536	0	8,536	0	0	0	0	8,536	0	0	0	0	0	8,536		
Sub-total							4,357	5,233	3,172	1,008	699	14,469	0	14,469	0	0	120	0	14,349	0	0	0	0	14,469	
WAS906755 WESTERN BEACHES RETROFIT																									
01	WESTERN BEACHES RETROFIT	CW	S2	03	1,000	4,000	200	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0	0	0	0	5,200		
09	WESTERN BEACHES RETROFIT -2014 SC	CW	S3	03	-200	-1,450	2,350	0	0	700	0	700	0	0	474	0	226	0	0	0	0	0	700		
Sub-total							800	2,550	2,550	0	0	5,900	0	5,900	0	0	474	0	5,426	0	0	0	0	5,900	

CITY OF TORONTO

Gross Expenditures (\$000's)  
Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Priority	SubProj No.	Sub-project Name																						
WAS906926 OPERATIONAL SUPPORT																								
0	1	DIVISIONAL SECURITY	CW	S2	04	814	0	0	0	0	814	0	814	0	0	0	0	814	0	0	0	0	814	
0	7	RENOVATION - MERTON STREET	CW	S2	04	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	3	
0	17	Designated Substance Abatement	CW	S2	02	173	0	0	0	0	173	0	173	0	0	0	0	173	0	0	0	0	173	
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	
0	40	WWTP PLC PLATFORM UPGRADE	CW	S2	04	3,000	4,000	5,000	5,000	4,500	21,500	0	21,500	0	0	0	0	21,500	0	0	0	0	21,500	
0	49	DISTRICT OPERATION FACILITY UPGRADES	CW	S6	04	0	0	0	0	0	3,900	3,900	0	0	0	0	3,900	0	0	0	0	3,900		
0	71	YARDS & FACILITIES - 10 YR PLAN	CW	S6	03	0	650	1,600	1,600	1,600	5,450	6,400	11,850	0	0	0	0	11,850	0	0	0	0	11,850	
0	82	FACILITY RENOVATION -2014 SC	CW	S3	04	800	1,000	0	0	0	1,800	0	1,800	0	0	0	0	1,800	0	0	0	0	1,800	
0	83	WWTP PLC PLATFORM UPGRADE -2014 SC	CW	S3	04	-1,000	-800	-500	0	-200	-2,500	500	-2,000	0	0	0	0	-2,000	0	0	0	0	-2,000	
0	84	HAND HELD DEVICES - UPDATED - 2014 SC	CW	S3	04	-150	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	85	DIVISIONAL SECURITY - 2014 SC	CW	S3	04	-164	0	0	0	0	-164	0	-164	0	0	0	0	-164	0	0	0	0	-164	
0	86	RENOVATION - MERTON STREET - 2014 SC	CW	S3	04	0	3	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	3	
0	87	Designated Substance Abatement - 2014 SC	CW	S3	02	-73	0	0	0	0	-73	0	-73	0	0	0	0	-73	0	0	0	0	-73	
Sub-total						3,553	5,003	6,100	6,600	5,900	27,156	10,800	37,956	0	0	0	0	37,956	0	0	0	0	37,956	
WAS906958 SEWER SYSTEM REHABILITATION																								
0	2	Group 2 & 3 Sewage P.S. Upgrades	CW	S2	03	14	31	0	0	0	45	0	45	0	0	3	0	42	0	0	0	0	45	
0	5	CCTV Inspection	CW	S2	03	1,123	1,000	0	0	0	2,123	0	2,123	0	0	0	0	2,123	0	0	0	0	2,123	
0	6	LATERAL REHAB	CW	S2	03	399	0	0	0	0	399	0	399	0	0	0	0	399	0	0	0	0	399	
0	7	10 Year Sewer Rehabilitation	CW	S6	03	0	0	0	6,000	45,000	51,000	263,817	314,817	0	0	0	0	314,817	0	0	0	0	314,817	
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	1,202	315	13	12	0	1,542	0	1,542	0	0	0	0	1,542	0	0	0	0	1,542	
0	9	SEWER REHABILITATION	CW	S2	03	18,873	30,000	0	0	0	48,873	0	48,873	0	0	0	0	48,873	0	0	0	0	48,873	
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	1,925	0	0	0	0	1,925	0	1,925	0	0	0	0	1,925	0	0	0	0	1,925	
0	24	GROUP 5 SEWAGE PUMPING STATION CAPACITY UPGRADES	CW	S2	05	3,675	0	1,700	1,800	1,700	8,875	0	8,875	0	0	666	0	8,209	0	0	0	0	8,875	
0	60	Group 2 & 3 Sewage P.S. Upgrades -2014 SC	CW	S3	03	-8	3	0	0	0	-5	0	-5	0	0	0	0	-5	0	0	0	0	-5	

**CITY OF TORONTO**

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

**Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906958 SEWER SYSTEM REHABILITATION																								
0	61	CCTV Inspection -2014 SC	CW	S3	03	-223	0	1,000	0	0	777	0	777	0	0	0	0	777	0	0	0	0	0	777
0	62	LATERAL REHAB -2014 SC	CW	S3	03	396	0	0	0	0	396	0	396	0	0	0	0	396	0	0	0	0	0	396
0	63	SPS SCADA UPGRADES - ENGINEERING -2014 SC	CW	S3	04	-587	285	0	0	0	-302	0	-302	0	0	99	0	-401	0	0	0	0	0	-302
0	64	SEWER REHABILITATION -2014 SC	CW	S3	03	3,287	-2,039	37,700	37,700	0	76,648	0	76,648	0	0	0	0	76,648	0	0	0	0	0	76,648
0	65	SEWAGE PUMPING STATION STANDBY POWER -2014 SC	CW	S3	02	-585	810	0	0	0	225	0	225	0	0	173	0	52	0	0	0	0	0	225
0	66	GROUP 5 SEWAGE PS CAPACITY UPGRADES -2014 SC	CW	S3	05	-3,350	3,250	4,550	3,450	2,320	10,220	20	10,240	0	0	874	0	9,366	0	0	0	0	0	10,240
Sub-total						26,141	33,655	44,963	48,962	49,020	202,741	263,837	466,578	0	0	1,815	0	464,763	0	0	0	0	0	466,578
WAS906960 STREAM RESTORATION & EROSION CONTRC																								
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	100	0	900	0	0	0	0	0	1,000
0	5	10 Year Stream Restoration - All Districts	CW	S6	03	0	0	0	5,160	5,310	10,470	53,950	64,420	0	0	5,186	0	59,234	0	0	0	0	0	64,420
0	7	STREAM RESTORATION	CW	S2	03	4,788	7,500	0	0	0	12,288	0	12,288	0	0	1,228	0	11,060	0	0	0	0	0	12,288
0	26	STREAM RESTORATION-CRITICAL LOCATIONS	CW	S2	03	500	0	0	0	0	500	0	500	0	0	50	0	450	0	0	0	0	0	500
0	27	HIGHLAND CREEK STREAM RESTORATION - 10 YEAR	CW	S6	03	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	0	0	8,000	0	0	0	0	0	8,000
0	28	STREAM RESTORATION CRITICAL LOCAITONS - 10 YR	CW	S6	03	0	0	500	500	500	1,500	2,500	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000
0	31	HIGHLAND CREEK STREAM RESTORATION -2014 SC	CW	S3	04	40	1,000	0	0	0	1,040	0	1,040	0	0	64	0	976	0	0	0	0	0	1,040
0	32	STREAM RESTORATION -2014 SC	CW	S3	03	1,712	0	5,370	2,500	310	9,892	950	10,842	0	0	634	0	10,208	0	0	0	0	0	10,842
0	33	STREAM RESTORATION-CRITICAL LOCATIONS -2014 SC	CW	S3	03	0	500	0	0	0	500	0	500	0	0	-50	0	550	0	0	0	0	0	500
Sub-total						8,040	9,000	6,870	9,160	7,120	40,190	62,400	102,590	0	0	7,212	0	95,378	0	0	0	0	0	102,590
WAS906964 CONVEYANCE CONTROLS - REPLC & REHAB																								
0	9	2008 STORM SEWER REHABILITATION	CW	S2	03	18	0	0	0	0	18	0	18	0	0	0	0	18	0	0	0	0	0	18
0	18	COATSWORTH CUT - PHASE 1 CONSTRUCTION	CW	S2	04	43	110	110	110	0	373	0	373	0	0	37	0	336	0	0	0	0	0	373
0	26	COATSWORTH CUT - PHASE 1 CONSTRUCTION -2014 SC	CW	S3	04	0	-90	-110	-110	0	-310	0	-310	0	0	-37	0	-273	0	0	0	0	0	-310
0	27	2008 STORM SEWER REHABILITATION - 2014 SC	CW	S3	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	4
Sub-total						65	20	0	0	0	85	0	85	0	0	0	0	85	0	0	0	0	0	85
WAS906966 SWM TRCA FUNDING																								

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Gross Expenditures (\$000's)  
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Wastewater Program						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
WAS906966 SWM TRCA FUNDING																							
0	8	10 Year TRCA Funding	CW	S6	04	0	4,069	4,171	4,275	4,382	16,897	23,609	40,506	0	0	3,260	0	37,246	0	0	0	0	40,506
0	17	TRCA FUNDING - 2014 SC	CW	S3	04	3,970	0	0	0	0	3,970	0	3,970	0	0	320	0	3,650	0	0	0	0	3,970
Sub-total						3,970	4,069	4,171	4,275	4,382	20,867	23,609	44,476	0	0	3,580	0	40,896	0	0	0	0	44,476
WAS906968 ENGINEERING																							
0	2	CONSULTING FEES	CW	S2	03	2,928	2,000	0	0	0	4,928	0	4,928	0	0	0	0	4,928	0	0	0	0	4,928
0	31	ROAD RESTORATION	CW	S2	03	1,118	0	0	0	0	1,118	0	1,118	0	0	0	0	1,118	0	0	0	0	1,118
0	48	ROAD RESTORATION -FUTURE	CW	S6	03	0	2,732	2,814	0	0	5,546	0	5,546	0	0	0	0	5,546	0	0	0	0	5,546
0	51	CONSULTING FEES-2014 SC	CW	S3	03	27	3,298	6,874	5,912	5,445	21,556	9,176	30,732	0	0	0	0	30,732	0	0	0	0	30,732
0	52	ECS SALARIES	CW	S4	03	12,033	0	0	0	0	12,033	0	12,033	0	0	0	0	12,033	0	0	0	0	12,033
0	53	ROAD RESTORATION - 2014 SC	CW	S3	03	1,534	0	0	0	0	1,534	0	1,534	0	0	0	0	1,534	0	0	0	0	1,534
Sub-total						17,640	8,030	9,688	5,912	5,445	46,715	9,176	55,891	0	0	0	0	55,891	0	0	0	0	55,891
WAS906973 SEWER REPLACEMENT PROGRAM																							
0	3	10 Year Sewer Replacement	CW	S6	03	0	20,000	31,000	35,000	40,000	126,000	255,000	381,000	0	0	18,397	0	362,603	0	0	0	0	381,000
0	24	SEWAGE FORCEMAIN REPLACEMENT	CW	S2	03	4,243	0	0	0	0	4,243	0	4,243	0	0	0	0	4,243	0	0	0	0	4,243
0	25	SEWER REPLACEMENT 2012	CW	S2	03	1,700	0	0	0	0	1,700	0	1,700	0	0	170	0	1,530	0	0	0	0	1,700
0	35	SEWER REPLACMENT - 2013 PROGRAM	CW	S2	03	16,748	0	0	0	0	16,748	0	16,748	0	0	0	0	16,748	0	0	0	0	16,748
0	36	SEWER REPLACEMENT -2014	CW	S4	03	13,132	6,596	2,000	0	0	21,728	0	21,728	0	0	0	0	21,728	0	0	0	0	21,728
0	37	FORCEMENT REPLACEMENT - 10 YEAR	CW	S6	03	0	1,000	2,000	2,000	2,000	7,000	10,000	17,000	0	0	0	0	17,000	0	0	0	0	17,000
0	44	COXWELL TRUNK EMERGENCY REPAIR	CW	S2	03	1,747	1,541	0	0	0	3,288	0	3,288	0	0	0	0	3,288	0	0	0	0	3,288
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	11,750	0	0	0	0	11,750	0	11,750	0	0	4,860	0	6,890	0	0	0	0	11,750
0	47	WATERFRONT SANITARY SERVICING INFRASTRUCTURE	CW	S2	04	16,020	0	0	0	0	16,020	0	16,020	0	0	10,480	0	5,540	0	0	0	0	16,020
0	48	SEWER REPLACEMENT 2012 -2014 SC	CW	S3	03	-1,059	2,122	0	0	0	1,063	0	1,063	0	0	-170	0	1,233	0	0	0	0	1,063
0	49	SEWER REPLACMENT - 2013 PROGRAM -2014 SC	CW	S3	03	-9,278	4,522	0	0	0	-4,756	0	-4,756	0	0	965	0	-5,721	0	0	0	0	-4,756
0	52	SEWER REPLACEMENT - METROLINX	CW	S4	03	50	2,195	1,608	1,096	603	5,552	0	5,552	0	0	0	0	5,552	0	0	0	0	5,552

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Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906973 SEWER REPLACEMENT PROGRAM																							
0 54	SEWAGE FORCEMAIN REPLACEMENT - 2014 SC	CW	S3	03	-3,243	1,000	0	0	0	-2,243	0	-2,243	0	0	0	0	-2,243	0	0	0	0	0	-2,243
0 55	SEWER REPLACEMENT - LESLIE ST	CW	S4	03	10,000	0	0	0	0	10,000	0	10,000	0	0	0	0	10,000	0	0	0	0	0	10,000
0 56	COXWELL TRUNK EMERGENCY REPAIR - 2014 SC	CW	S3	03	-747	0	0	0	0	-747	0	-747	0	0	0	0	-747	0	0	0	0	0	-747
Sub-total					61,063	38,976	36,608	38,096	42,603	217,346	265,000	482,346	0	0	34,702	0	447,644	0	0	0	0	0	482,346
WAS906980 ASHBRIDGES BAY T.P. YR2006																							
0 8	MEDIATION AGREEMENT IMPLEMENTATION - PART 2	CW	S2	04	45	25	0	0	0	70	0	70	0	0	3	0	67	0	0	0	0	0	70
0 9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	2,580	143	10	0	0	2,733	0	2,733	0	0	81	0	2,652	0	0	0	0	0	2,733
0 34	MEDIATION AGREEMENT IMPLEMENTATION-PART 2 -2014 SC	CW	S3	04	-20	0	0	0	0	-20	0	-20	0	0	1	0	-21	0	0	0	0	0	-20
0 35	DEWATERING EQUIPMENT UPGRADES -2014 SC	CW	S3	03	-1,780	1,467	2,216	0	0	1,903	0	1,903	0	0	292	0	1,611	0	0	0	0	0	1,903
Sub-total					825	1,635	2,226	0	0	4,686	0	4,686	0	0	377	0	4,309	0	0	0	0	0	4,686
WAS906981 HIGHLAND CREEK WWTP UPGRADES																							
0 1	PROCESS & FACILITY UPGRADE	CW	S2	04	3,095	850	810	240	0	4,995	0	4,995	0	0	0	0	4,995	0	0	0	0	0	4,995
0 3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	25,530	21,007	20,700	14,021	30	81,288	0	81,288	0	0	1,625	0	79,663	0	0	0	0	0	81,288
0 5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	0	0	1,000	1,250	1,690	3,940	1,200	5,140	0	0	0	0	5,140	0	0	0	0	0	5,140
0 7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	1,452	685	0	0	0	2,137	0	2,137	0	0	0	0	2,137	0	0	0	0	0	2,137
0 8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	1,830	4,950	4,680	50	0	11,510	0	11,510	0	0	0	0	11,510	0	0	0	0	0	11,510
0 16	MECH SYSTEMS UPGRADES - CONSTR	CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0 23	ELECTRICAL UPGRADES-ECAR	CW	S2	03	2,430	2,381	9,065	0	0	13,876	0	13,876	0	0	0	0	13,876	0	0	0	0	0	13,876
0 31	ELEC SYSTEM UPGRADES - CONSTR	CW	S2	03	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 32	CEPA COMPLIANCE -HCTP - 2014 SC	CW	S3	02	200	2,000	300	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0 72	PROCESS & FACILITY UPGRADE -2014 SC	CW	S3	04	-795	1,930	513	370	620	2,638	1,079	3,717	0	0	0	0	3,717	0	0	0	0	0	3,717
0 73	BIOSOLIDS TREATMENT UPGRADES -2014 SC	CW	S3	03	-18,772	-10,115	-50	6,060	9,120	-13,757	30	-13,727	0	0	3,838	0	-17,565	0	0	0	0	0	-13,727
0 74	TRANSFORMERS AND SWITCHGEAR -2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	414	0	-414	0	0	0	0	0	0
0 75	MECH & ELECTRICAL UPGRADE ENGINEERING -2014 SC	CW	S3	03	-1,027	782	57	0	0	-188	0	-188	0	0	0	0	-188	0	0	0	0	0	-188



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Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906981	HIGHLAND CREEK WWTP UPGRADES																							
0 76	MECH SYSTEMS UPGRADES - CONSTR -2014 SC	CW	S3	03	-1,000	1,031	0	0	0	31	0	31	0	0	0	0	31	0	0	0	0	0	31	
0 77	ELEC SYSTEM UPGRADES - CONSTR -2014 SC	CW	S3	03	-1,800	1,076	0	0	0	-724	0	-724	0	0	0	0	-724	0	0	0	0	0	-724	
0 78	DIGESTER GAS SYSTEM UPGRADES -2014 SC	CW	S3	03	-1,630	-3,280	270	4,630	50	40	0	40	0	0	0	0	40	0	0	0	0	0	40	
0 79	ELECTRICAL UPGRADES-ECAR -2014 SC	CW	S3	03	-218	-41	-5,930	590	2,720	-2,879	4,800	1,921	0	0	0	0	1,921	0	0	0	0	0	1,921	
0 80	RAS AND BLOWER 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 82	DIGESTERS CLEANING REHAB 10 YEAR PLAN	CW	S4	03	1,600	2,000	0	0	0	3,600	0	3,600	0	0	0	0	3,600	0	0	0	0	0	3,600	
0 83	PLANT FIRM CAPACITY - CONCEPT DESIGN	CW	S4	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400	
Sub-total					15,995	27,756	34,915	30,711	17,730	127,107	13,609	140,716	0	0	5,877	0	134,839	0	0	0	0	0	140,716	
WAS906982	HUMBER WWTP UPGRADES																							
0 1	BUILDING UPGRADE ENGINEERING	CW	S2	03	34	0	0	0	0	34	0	34	0	0	0	0	34	0	0	0	0	0	34	
0 2	Chlorine Building Upgrade	CW	S2	01	5,226	36	0	0	0	5,262	0	5,262	0	0	0	0	5,262	0	0	0	0	0	5,262	
0 5	FLOOD PROTECTION	CW	S2	02	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150	
0 6	NEW SUBSTATION	CW	S2	03	7,934	0	0	0	0	7,934	0	7,934	0	0	0	0	7,934	0	0	0	0	0	7,934	
0 7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	3,842	4,000	4,750	2,000	2,700	17,292	5,300	22,592	0	0	0	0	22,592	0	0	0	0	0	22,592	
0 8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	CW	S2	01	1,490	0	0	0	0	1,490	0	1,490	0	0	0	0	1,490	0	0	0	0	0	1,490	
0 20	BLDG & GROUNDS UPGRADE	CW	S2	03	320	376	0	0	0	696	0	696	0	0	0	0	696	0	0	0	0	0	696	
0 29	ADMIN BUILDING EXPANSION	CW	S4	04	100	250	400	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0 52	HVAC UPGRADES	CW	S2	03	1,146	210	0	0	0	1,356	0	1,356	0	0	0	0	1,356	0	0	0	0	0	1,356	
0 62	Chlorine Building Upgrade -2014 SC	CW	S3	01	-826	2,230	25	25	0	1,454	0	1,454	0	0	0	0	1,454	0	0	0	0	0	1,454	
0 63	ELECTRICAL CONDITION ASSESSMENT REC -2014 SC	CW	S3	01	-2,167	-1,871	-1,225	425	-450	-5,288	-1,800	-7,088	0	0	0	0	-7,088	0	0	0	0	0	-7,088	
0 64	NEW SUBSTATION -2014 SC	CW	S3	03	-4,971	2,080	3,015	0	0	124	0	124	0	0	0	0	124	0	0	0	0	0	124	
0 65	BLDG & GROUNDS UPGRADE -2014 SC	CW	S3	03	-320	-376	0	0	0	-696	0	-696	0	0	0	0	-696	0	0	0	0	0	-696	
0 66	HVAC UPGRADES -2014 SC	CW	S3	03	-546	3,290	1,620	20	10	4,394	0	4,394	0	0	0	0	4,394	0	0	0	0	0	4,394	
0 68	ADMIN BUILDING EXPANSION	CW	S6	04	0	0	0	0	0	0	8,455	8,455	0	0	0	0	8,455	0	0	0	0	0	8,455	

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Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS906982	HUMBER WWTP UPGRADES																							
0 69	DIGESTERS CLEANING REHAB 10 YEAR PLAN	CW	S6	03	0	410	825	825	825	2,885	1,225	4,110	0	0	0	0	4,110	0	0	0	0	0	4,110	
0 70	FLOOD PROTECTION - 2014 SC	CW	S3	02	0	250	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	0	250	
0 71	BUILDING UPGRADE ENGINEERING - 2014 SC	CW	S3	03	218	0	0	0	0	218	0	218	0	0	0	0	218	0	0	0	0	0	218	
0 72	NEW GROUNDSKEEPING BDLG & RAS CONTROL - 2014 SC	CW	S3	01	-40	350	0	0	0	310	0	310	0	0	0	0	310	0	0	0	0	0	310	
Sub-total					11,590	11,235	9,410	3,295	3,085	38,615	13,180	51,795	0	0	0	0	51,795	0	0	0	0	0	51,795	
WAS906994	HIGHLAND CREEK WWTP - SOLIDS & GAS HA																							
0 1	HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING	CW	S2	04	1,911	5,000	4,200	3,000	3,000	17,111	4,300	21,411	0	0	428	0	20,983	0	0	0	0	0	21,411	
0 3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	4,733	0	16	0	0	4,749	0	4,749	0	0	95	0	4,654	0	0	0	0	0	4,749	
0 8	HCTP -BIOSOLID IMPLEMENTATION - CONSTRUCTION	CW	S6	04	0	0	0	3,000	25,000	28,000	106,197	134,197	0	0	6,478	0	127,719	0	0	0	0	0	134,197	
0 11	WAS THICKENING AND DEWATERING CONSTR -2014 SC	CW	S3	03	-3,083	3,000	4,031	0	0	3,948	0	3,948	0	0	606	0	3,342	0	0	0	0	0	3,948	
0 12	HCTP - BIOSOLIDS IMPLEMENTATION - ENG -2014 SC	CW	S3	04	-711	-700	-1,200	0	0	-2,611	-1,800	-4,411	0	0	939	0	-5,350	0	0	0	0	0	-4,411	
Sub-total					2,850	7,300	7,047	6,000	28,000	51,197	108,697	159,894	0	0	8,546	0	151,348	0	0	0	0	0	159,894	
WAS907038	Land Acquisition for Source Water Protect																							
0 3	EROSION PROTECTION & LAND ACQUISITION	CW	S2	04	2,000	2,000	0	0	0	4,000	0	4,000	0	0	0	0	4,000	0	0	0	0	0	4,000	
0 9	TRCA CRITICAL EROSION - FUTRE	CW	S6	04	0	0	2,000	2,000	2,000	6,000	10,000	16,000	0	0	1,288	0	14,712	0	0	0	0	0	16,000	
0 11	EROSION PROTECTION & LAND ACQUISITION -2014 SC	CW	S3	04	5,000	5,000	0	0	0	10,000	0	10,000	0	0	1,128	0	8,872	0	0	0	0	0	10,000	
0 12	Scarborough EA	CW	S4	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	7,000	2,000	2,000	2,000	21,500	10,000	31,500	0	0	2,416	0	29,084	0	0	0	0	0	31,500	
WAS907097	ASHBRIDGES BAY WWTP - BUILDING SERVIC																							
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	
0 19	CITY IMPROVEMENTS RE: TH COGEN	CW	S2	04	1,020	1,300	2,500	2,200	1,000	8,020	50	8,070	0	0	0	0	8,070	0	0	0	0	0	8,070	
0 21	BLOWER BLDG AND OLD NORTH SUBSTAION IMPROVEMENTS	CW	S2	04	0	0	700	1,760	1,950	4,410	1,105	5,515	0	0	0	0	5,515	0	0	0	0	0	5,515	
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	0	2,000	
0 45	CONTROLLED SUBSTANCE IDENTIFICATION - 2014 SC	CW	S3	02	0	270	0	0	0	270	0	270	0	0	0	0	270	0	0	0	0	0	270	
0 46	CITY IMPROVEMENTS RE: TH COGEN -2014 SC	CW	S3	04	-870	-400	-1,200	300	1,200	-970	1,000	30	0	0	0	0	30	0	0	0	0	0	30	

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Sub-Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS907097	ASHBRIDGES BAY WWTP - BUILDING SERVICE																						
0 49	BLOWER BLDG & OLD NORTH SUBSTAION IMPROV - 2014 SC	CW	S3	04	700	1,950	2,105	-1,700	-1,950	1,105	-1,105	0	0	0	0	0	0	0	0	0	0	0	
	Sub-total				1,120	3,120	4,105	2,560	2,200	13,105	3,050	16,155	0	0	0	0	16,155	0	0	0	0	0	
WAS907098	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM																						
0 1	ABTP DISINFECTION ENGINEERING	CW	S2	02	4,498	5,260	4,000	4,000	1,720	19,478	20	19,498	0	0	586	0	18,912	0	0	0	0	19,498	
0 2	OUTFALL CONSTRUCTION	CW	S6	02	0	0	0	0	5,000	5,000	345,200	350,200	0	0	16,910	0	333,290	0	0	0	0	350,200	
0 13	ABTP OUTFALL ASSESSMENT	CW	S2	02	688	0	0	0	0	688	0	688	0	0	20	0	668	0	0	0	0	688	
0 14	ABTP OUTFALL ENGINEERING	CW	S6	02	0	700	6,300	5,000	6,000	18,000	16,500	34,500	0	0	1,665	0	32,835	0	0	0	0	34,500	
0 15	ABTP DISINFECTION CONSTRUCTION	CW	S6	02	0	1,000	4,000	35,000	70,000	110,000	75,500	185,500	0	0	8,957	0	176,543	0	0	0	0	185,500	
0 19	ABTP DISINFECTION ENGINEERING -2014 SC	CW	S3	02	-3,498	-3,611	-500	410	-110	-7,309	1,119	-6,190	0	0	486	0	-6,676	0	0	0	0	-6,190	
0 20	ABTP OUTFALL ASSESSMENT -2014 SC	CW	S3	02	-475	1,300	0	0	0	825	0	825	0	0	102	0	723	0	0	0	0	825	
	Sub-total				1,213	4,649	13,800	44,410	82,610	146,682	438,339	585,021	0	0	28,726	0	556,295	0	0	0	0	585,021	
WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREATMENT																						
0 1	FINE BUBBLE AERATION IMPLEMENTATION	CW	S2	03	12,450	4,000	0	0	0	16,450	0	16,450	0	0	494	0	15,956	0	0	0	0	16,450	
0 2	PRIMARY TREATMENT UPGRADE - DESIGN & CONST CONT #2	CW	S6	04	0	0	0	0	2,000	2,000	50,000	52,000	0	0	2,512	0	49,488	0	0	0	0	52,000	
0 3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	37,680	35,200	30,200	29,200	0	132,280	0	132,280	0	0	3,969	0	128,311	0	0	0	0	132,280	
0 5	FINE BUBBLE AERATION CONSTR CONT#2	CW	S6	03	0	0	0	1,000	22,000	23,000	188,000	211,000	0	0	10,189	0	200,811	0	0	0	0	211,000	
0 6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S4	03	1,200	4,500	2,670	0	0	8,370	0	8,370	0	0	0	0	8,370	0	0	0	0	8,370	
0 7	Primary and Secondary Tanks Rehabilitation	CW	S2	03	414	0	0	0	0	414	4,618	5,032	0	0	156	0	4,876	0	0	0	0	5,032	
0 10	INTERGRATED PUMPING STATION - ENGINEERING	CW	S2	03	4,144	9,955	4,005	3,000	3,000	24,104	11,000	35,104	0	0	1,053	0	34,051	0	0	0	0	35,104	
0 12	WORK AREA 1 REHAB	CW	S2	03	20	20	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	40	
0 13	WORK AREA 5 REHAB	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400	
0 39	INTEGRATED PUMPING STATION - CONSTRUCTION	CW	S2	03	3,500	0	0	0	0	3,500	0	3,500	0	0	105	0	3,395	0	0	0	0	3,500	
0 45	WORK AREA 1 REHAB-2014 SC	CW	S3	03	175	-18	0	0	0	157	0	157	0	0	0	0	157	0	0	0	0	157	
0 46	WORK AREA 5 REHAB-2014 SC	CW	S3	03	-400	0	0	0	0	-400	0	-400	0	0	0	0	-400	0	0	0	0	-400	

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Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREATMENT																						
0 51	FINE BUBBLE AERATION IMPLEMENTATION -2014 SC	CW	S3	03	-10,000	5,500	8,000	0	0	3,500	0	3,500	0	0	1,112	0	2,388	0	0	0	0	0	3,500
0 52	INTEGRATED PUMPING STATION - ENGINEERING -2014 SC	CW	S3	03	-2,236	-5,455	3,045	4,050	4,000	3,404	10,233	13,637	0	0	-1,053	0	14,690	0	0	0	0	0	13,637
0 53	PRIMARY TREATMENT UPGRADE CONT #1 -2014 SC	CW	S3	03	-16,980	-9,225	-200	4,300	28,000	5,895	0	5,895	0	0	7,150	0	-1,255	0	0	0	0	0	5,895
0 54	INTEGRATED PUMPING STATION - CONS -2014 SC	CW	S3	03	-3,500	0	10,000	35,000	45,000	86,500	235,000	321,500	0	0	-105	0	321,605	0	0	0	0	0	321,500
0 55	Primary and Secondary Tanks Rehab -2014 SC	CW	S3	03	1,486	1,100	100	0	0	2,686	-4,618	-1,932	0	0	95	0	-2,027	0	0	0	0	0	-1,932
Sub-total					28,353	45,577	57,820	76,550	104,000	312,300	494,233	806,533	0	0	25,677	0	780,856	0	0	0	0	0	806,533
WAS907100	ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING																						
0 3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,760	2,800	2,200	2,000	2,000	12,760	4,100	16,860	0	0	506	0	16,354	0	0	0	0	0	16,860
0 4	DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	5,320	13,510	12,310	40	30	31,210	0	31,210	0	0	935	0	30,275	0	0	0	0	0	31,210
0 8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0 22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S6	03	0	0	5,000	15,000	20,000	40,000	45,000	85,000	0	0	4,103	0	80,897	0	0	0	0	0	85,000
0 25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	1,480	0	0	0	0	1,480	0	1,480	0	0	0	0	1,480	0	0	0	0	0	1,480
0 28	DIGESTERS 9-12 REFURBISHMENT -2014 SC	CW	S3	03	-4,670	-13,160	-1,310	10,970	8,280	110	70	180	0	0	1,590	0	-1,410	0	0	0	0	0	180
0 29	WASTE ACTIVATED SLUDGE UPGRADE - ENG -2014 SC	CW	S3	03	-1,760	-300	1,800	500	0	240	0	240	0	0	870	0	-630	0	0	0	0	0	240
0 30	PELLETIZER TRUCK LOADING FACILITY UPGRADE -2014 SC	CW	S3	03	-930	1,000	0	0	0	70	0	70	0	0	0	0	70	0	0	0	0	0	70
Sub-total					3,600	4,250	20,000	28,510	30,310	86,670	49,170	135,840	0	0	8,004	0	127,836	0	0	0	0	0	135,840
WAS907101	ASHBRIDGES BAY WWTP - O&M UPGRADES																						
0 5	PROCESS & EQUIP UPGRADES	CW	S2	03	46	0	0	0	0	46	0	46	0	0	0	0	46	0	0	0	0	0	46
0 6	MESI UPGRADES	CW	S2	03	2,311	0	0	0	0	2,311	0	2,311	0	0	0	0	2,311	0	0	0	0	0	2,311
0 7	MISC MECH REHAB	CW	S2	03	6,216	4,000	0	0	0	10,216	0	10,216	0	0	0	0	10,216	0	0	0	0	0	10,216
0 18	MISC MECH REHAB -2014 SC	CW	S3	03	-4,877	1,500	5,000	0	0	1,623	0	1,623	0	0	0	0	1,623	0	0	0	0	0	1,623
0 19	Process & Equip Upgrades -2014 SC	CW	S3	03	23	69	0	0	0	92	0	92	0	0	0	0	92	0	0	0	0	0	92
0 20	MESI UPGRADES -2014 SC	CW	S3	03	0	2,500	0	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater Program																											
							Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By														
												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		
Sub-Project No.	Project Name	Priority	SubProj No.	Sub-project Name	Ward	Stat. Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023													
WAS907101 ASHBRIDGES BAY WWTP - O&M UPGRADES																											
0	21	MESI UPGRADES - FUTURE YEAR			CW	S6	03	0	0	2,500	2,500	2,500	7,500	12,500	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000	
Sub-total							3,719	8,069	7,500	2,500	2,500	24,288	12,500	36,788	0	0	0	0	36,788	0	0	0	0	0	0	0	36,788
WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL																											
0	6	BIOFILTERS UPGRADE			CW	S2	03	7,396	7,091	2,100	122	0	16,709	0	16,709	0	0	502	0	16,207	0	0	0	0	0	16,709	
0	13	D BUILDING TREATMENT & BIOFILTER			CW	S2	03	1,700	0	0	0	0	1,700	0	1,700	0	0	51	0	1,649	0	0	0	0	0	1,700	
0	29	D BUILDING TREATMENT & BIOFILTER -2014 SC			CW	S3	03	-500	1,613	0	0	0	1,113	0	1,113	0	0	176	0	937	0	0	0	0	0	1,113	
0	31	BIOFILTERS UPGRADE -2014 SC			CW	S3	03	-6,299	-251	6,642	6,000	0	6,092	0	6,092	0	0	1,333	0	4,759	0	0	0	0	0	6,092	
Sub-total							2,297	8,453	8,742	6,122	0	25,614	0	25,614	0	0	2,062	0	23,552	0	0	0	0	0	0	0	25,614
WAS907104 HUMBER WWTP - LIQUID TREATMENT & HANI																											
0	2	SECONDARY TREATMENT UPGRADES			CW	S2	03	13,998	23,245	28,245	43,225	43,225	151,938	122,720	274,658	0	0	2,745	0	271,913	0	0	0	0	0	274,658	
0	15	SECONDARY TREATMENT UPGRADES -2014 SC			CW	S3	03	-9,133	-14,917	-24,754	-40,000	-40,113	-128,917	-117,990	-246,907	0	0	-2,745	0	-244,162	0	0	0	0	0	-246,907	
0	16	SECONDARY TREATMENT UPGRADES - SOUTH - CONSTRUCTIO			CW	S6	03	0	0	5,000	30,000	40,000	75,000	165,000	240,000	0	0	0	0	240,000	0	0	0	0	0	240,000	
0	17	SECONDARY TREATMENT UPGRADES - NORTH PLANT			CW	S6	03	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							4,865	8,328	8,491	33,225	43,112	98,021	172,730	270,751	0	0	0	0	270,751	0	0	0	0	0	0	0	270,751
WAS907105 HUMBER WWTP - O&M UPGRADES																											
0	1	Digester 7 & 8 Upgrades & Cogen Upgrades			CW	S2	03	9,850	4,000	1,000	0	0	14,850	0	14,850	0	0	0	0	14,850	0	0	0	0	0	14,850	
0	2	LIQUID STREAM UPGRADES			CW	S2	03	300	0	0	0	0	300	0	300	0	0	3	0	297	0	0	0	0	0	300	
0	11	DIGESTER CLEANING & UPGRADES			CW	S2	03	600	0	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600	
0	24	Digester 7 & 8 Upgrades & Cogen Upgrades -2014 SC			CW	S3	03	-4,700	4,634	2,304	0	0	2,238	0	2,238	0	0	0	0	2,238	0	0	0	0	0	2,238	
0	25	LIQUID STREAM UPGRADES -2014 SC			CW	S3	03	-250	250	0	0	0	0	0	0	0	0	21	0	-21	0	0	0	0	0	0	
0	26	DIGESTER CLEANING & UPGRADES - 2014 SC			CW	S3	03	-600	0	0	0	0	-600	0	-600	0	0	0	0	-600	0	0	0	0	0	-600	
Sub-total							5,200	8,884	3,304	0	0	17,388	0	17,388	0	0	24	0	17,364	0	0	0	0	0	0	0	17,388
WAS907106 HUMBER WWTP - ODOUR CONTROL																											
0	1	Odour Control Implementation Phase 1			CW	S2	02	19,550	15,000	15,000	10,000	0	59,550	0	59,550	0	0	596	0	58,954	0	0	0	0	0	59,550	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
010	Odour Control Implementation Phase 1 -2014 SC	CW	S3	02	-14,550	0	5,000	10,000	5,000	5,450	0	5,450	0	0	4,635	0	815	0	0	0	0	5,450			
Sub-total					5,000	15,000	20,000	20,000	5,000	65,000	0	65,000	0	0	5,231	0	59,769	0	0	0	0	0	65,000		
SEWAGE PUMPING STATION UPGRADES																									
01	SPS UPGRADES	CW	S2	02	9,072	4,800	5,030	2,990	1,094	22,986	0	22,986	0	0	1,724	0	21,262	0	0	0	0	22,986			
02	SCOTT STREET PS UPGRADES	CW	S2	05	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	5			
04	SUNNYSIDE AND MARYPORT SPS UPGRADES	CW	S2	03	1,511	0	0	0	0	1,511	0	1,511	0	0	114	0	1,397	0	0	0	0	1,511			
018	SPS UPGRADES -GROUP 6&7	CW	S6	02	0	0	110	410	3,550	4,070	40,410	44,480	0	0	0	0	44,480	0	0	0	0	44,480			
019	SCOTT STREET PS UPGRADES -2014 SC	CW	S3	05	15	20	0	0	0	35	0	35	0	0	4	0	31	0	0	0	0	35			
020	SUNNYSIDE AND MARYPORT SPS UPGRADES -2014 SC	CW	S3	03	1,024	202	2	0	0	1,228	0	1,228	0	0	106	0	1,122	0	0	0	0	1,228			
021	SPS UPGRADES -2014 SC	CW	S3	02	-2,372	420	-2,980	-2,590	-1,094	-8,616	0	-8,616	0	0	-568	0	-8,048	0	0	0	0	-8,616			
Sub-total					9,255	5,442	2,162	810	3,550	21,219	40,410	61,629	0	0	1,380	0	60,249	0	0	0	0	0	61,629		
DON & WATERFRONT TRUNK CSO																									
01	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	CW	S2	04	3,440	3,000	3,000	3,000	1,800	14,240	5,400	19,640	0	0	1,964	0	17,676	0	0	0	0	19,640			
03	DON AND WATERFRONT TRUNK/CSO - PKG 1 - CONST	CW	S6	04	0	0	1,000	20,000	30,000	51,000	152,000	203,000	0	0	9,800	0	193,200	0	0	0	0	203,000			
04	DON & WATERFRONT CSO/TRUNK - PKG 2 - CONST	CW	S6	04	0	0	0	0	0	0	26,000	26,000	0	0	1,255	0	24,745	0	0	0	0	26,000			
08	Don & Waterfront Trunk/CSO CONS - BEYOND 2021	CW	S6	04	0	0	0	0	0	0	40,000	40,000	0	0	0	0	40,000	0	0	0	0	40,000			
09	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN -2014 SC	CW	S3	04	-1,608	3,589	8,347	7,347	8,547	26,222	11,400	37,622	0	0	2,644	0	34,978	0	0	0	0	37,622			
Sub-total					1,832	6,589	12,347	30,347	40,347	91,462	234,800	326,262	0	0	15,663	0	310,599	0	0	0	0	0	326,262		
NORTH TORONTO WTP UPGRADES																									
02	NTPP-ELECTRICAL UPGRADES	CW	S2	01	1,750	1,500	0	0	0	3,250	0	3,250	0	0	0	0	3,250	0	0	0	0	3,250			
07	NTPP-ELECTRICAL UPGRADES -2014 SC	CW	S3	01	-983	-585	777	522	253	-16	0	-16	0	0	0	0	-16	0	0	0	0	-16			
Sub-total					767	915	777	522	253	3,234	0	3,234	0	0	0	0	3,234	0	0	0	0	0	3,234		
EMERY CREEK POND																									
01	EMERY CREEK POND	CW	S2	04	2,258	2,550	550	0	0	5,358	0	5,358	0	0	536	0	4,822	0	0	0	0	5,358			

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
012	EMERY CREEK POND -2014 SC	CW	S3	04	152	0	0	0	0	152	0	152	0	0	-93	0	245	0	0	0	0	152
Sub-total					2,410	2,550	550	0	0	5,510	0	5,510	0	0	443	0	5,067	0	0	0	0	5,510
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION																						
026	REHAB OF SOUTH PRIMARY CLARIFIERS	CW	S2	03	18	0	0	0	0	18	0	18	0	0	0	0	18	0	0	0	0	18
030	ABTP - DIG. TANKS #1-8 MODS.	CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	10
035	MTI REAL TIME CONTROL	CW	S2	04	2,200	2,000	0	0	0	4,200	0	4,200	0	0	210	0	3,990	0	0	0	0	4,200
0122	North Primaries Pumping Equipment -2014 SC	CW	S3	03	-904	1,020	1,500	705	0	2,321	0	2,321	0	0	0	0	2,321	0	0	0	0	2,321
0123	MTI REAL TIME CONTROL -2014 SC	CW	S3	04	-2,000	-2,000	0	2,000	2,000	0	0	0	0	0	-210	0	210	0	0	0	0	0
0124	ABTP - DIG. TANKS #1-8 MODS. -2014 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	-10
0126	REHAB OF SOUTH PRIMARY CLARIFIERS - 2014 SC	CW	S3	03	-8	0	0	0	0	-8	0	-8	0	0	0	0	-8	0	0	0	0	-8
178	North Primaries Pumping Equipment	CW	S2	03	1,424	1,500	830	450	0	4,204	0	4,204	0	0	0	0	4,204	0	0	0	0	4,204
Sub-total					730	2,520	2,330	3,155	2,000	10,735	0	10,735	0	0	0	0	10,735	0	0	0	0	10,735
Total Program Expenditure					349,772	461,245	547,816	626,780	693,331	2,678,944	3,323,393	6,002,337	0	0	237,426	0	5,764,911	0	0	0	0	6,002,337

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2014 Council Approved Capital Budget; 2015 to 2023 Capital Plan

Wastewater Program						Current and Future Year Cash Flow Commitments and Estimates							Current and Future Year Cash Flow Commitments and Estimates Financed By											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Financed By:																								
		Development Charges				24,566	17,245	21,967	22,394	23,812	109,984	127,442	237,426	0	0	237,426	0	0	0	0	0	0	0	237,426
		Reserve Funds (Ind."XR" Ref.)				325,206	444,000	525,849	604,386	669,519	2,568,960	3,195,951	5,764,911	0	0	0	0	5,764,911	0	0	0	0	0	5,764,911
Total Program Financing						349,772	461,245	547,816	626,780	693,331	2,678,944	3,323,393	6,002,337	0	0	237,426	0	5,764,911	0	0	0	0	0	6,002,337
Status Code		Description																						
S2		S2 Prior Year (With 2014 and/or Future Year Cashflow)																						
S3		S3 Prior Year - Change of Scope 2014 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 2015 & 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**  
**2014 Cash Flow and**  
**Future Year Commitments**



Report Phase 5 - Program 10 Water Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

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Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT000021 WATER EFFICIENCY PROGRAM																								
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	198	150	150	150	0	648	0	648	0	0	389	0	259	0	0	0	0	0	648
0	12	ANCILLARY COSTS	CW	S2	05	70	70	70	70	0	280	0	280	0	0	280	0	0	0	0	0	0	0	280
0	87	PUBLIC EDUCATION & PROMOTIONS -2014 SC	CW	S3	05	-48	0	0	0	0	-48	0	-48	0	0	211	0	-259	0	0	0	0	0	-48
0	90	ICI INDOOR WATER AUDIT - 2014 SC	CW	S3	05	-68	0	0	0	0	-68	0	-68	0	0	-68	0	0	0	0	0	0	0	-68
Sub-total						520	520	520	520	0	2,080	0	2,080	0	0	2,080	0	0	0	0	0	0	0	2,080
WAT000340 ISLAND PLANT WINTERIZATION																								
0	1	PLANT WINTERIZATION & SUMMERIZATION	CW	S2	04	505	0	0	0	0	505	0	505	0	0	0	0	505	0	0	0	0	0	505
0	13	PLANT WINTERIZATION & SUMMERIZATION- 2014 SC	CW	S3	04	-335	388	0	0	0	53	0	53	0	0	0	0	53	0	0	0	0	0	53
Sub-total						170	388	0	0	0	558	0	558	0	0	0	0	558	0	0	0	0	0	558
WAT000352 WM MARKHAM/SHEPPARD TO BAYVIEW/FINC																								
0	7	JOS WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH	CW	S2	05	316	0	0	0	0	316	0	316	0	0	0	0	316	0	0	0	0	0	316
0	18	JOS MARKHAM/SHEPPARD BAYVIEW/FINCH HYDRO -2014 SC	CW	S3	05	84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	0	84
Sub-total						400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
WAT000363 ENGINEERING STUDIES																								
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	20	20	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	0	40
0	18	Controlled Substances ID and Abatement	CW	S2	02	200	200	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
0	31	ENERGY EFFICIENCY IMPLEMENTATION - 2014 SC	CW	S3	04	50	50	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	38	CORROSION CONTROL	CW	S2	02	7,360	110	0	0	0	7,470	0	7,470	0	0	0	0	7,470	0	0	0	0	0	7,470
0	55	CORROSION CONTROL -2014 SC	CW	S3	02	-1,272	1,291	0	0	0	19	0	19	0	0	455	0	-436	0	0	0	0	0	19
0	56	IMPROVED TREATMENT STUDIES -2014 SC	CW	S3	04	620	80	50	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750
Sub-total						6,978	1,751	50	0	0	8,779	0	8,779	0	0	455	0	8,324	0	0	0	0	0	8,779
WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW																								
0	7	NETWORK EQUIPMENT REPLACEMENT	CW	S2	03	205	1,163	0	0	0	1,368	0	1,368	0	0	0	0	1,368	0	0	0	0	0	1,368
0	8	NETWORK CABLE LIFECYCLE REPLACEMENT	CW	S2	03	4,490	560	165	0	0	5,215	0	5,215	0	0	0	0	5,215	0	0	0	0	0	5,215
0	9	TRUNK RADIO SYSTEM	CW	S2	04	0	0	200	100	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300

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Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
											Total	Total	Total					Reserve		Capital	Debt -			Total
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Funds	from Current	Other 1	Other2	Recoverable Debt	Financing		
WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW																								
0 12	PCS LEGACY ALARM IMPROVEMENT - 2014 SC	CW	S3	04	0	600	0	0	0	600	0	600	0	0	0	0	600	0	0	0	0	0	600	
0 23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	475	600	500	150	150	1,875	350	2,225	0	0	0	0	2,225	0	0	0	0	0	2,225	
0 39	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	750	0	0	0	0	750	0	750	0	0	0	0	750	0	0	0	0	0	750	
0 41	BUSINESS & TECH IMPROVEMENT - PHASE 2	CW	S2	04	1,524	500	0	0	0	2,024	0	2,024	0	0	0	0	2,024	0	0	0	0	0	2,024	
0 42	WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEMENTS	CW	S2	04	1,610	3,000	440	0	0	5,050	0	5,050	0	0	0	0	5,050	0	0	0	0	0	5,050	
0 54	NETWORK EQUIPMENT REPLACEMENT -2014 SC	CW	S3	03	360	360	0	0	0	720	0	720	0	0	0	0	720	0	0	0	0	0	720	
0 55	NETWORK CABLE LIFECYCLE REPLACEMENT -2014 SC	CW	S3	03	-2,530	4,980	1,951	11	0	4,412	0	4,412	0	0	0	0	4,412	0	0	0	0	0	4,412	
0 56	RELIABILITY IMPROVEMENT PROGRAM - 2014 SC	CW	S3	04	-275	-400	-500	-150	-150	-1,475	-350	-1,825	0	0	0	0	-1,825	0	0	0	0	0	-1,825	
0 57	BUSINESS & TECH IMPROVEMENT - PHASE 2 -2014 SC	CW	S3	04	1,172	1,068	970	1,047	792	5,049	0	5,049	0	0	0	0	5,049	0	0	0	0	0	5,049	
0 58	WTP WS PLC PLATFORM UPGRADE & PCS IMPROV -2014 SC	CW	S3	04	1,049	-1,500	-200	760	0	109	0	109	0	0	0	0	109	0	0	0	0	0	109	
Sub-total					8,830	10,931	3,526	1,918	792	25,997	0	25,997	0	0	0	0	25,997	0	0	0	0	0	25,997	
WAT906340 METERING & METER READING SYS																								
0 2	AUTOMATED METER READING SYSTEM	CW	S2	04	49,957	44,531	38,150	0	0	132,638	0	132,638	0	0	0	0	132,638	0	0	0	0	0	132,638	
0 13	AUTOMATED METER READING SYSTEM - 2014 SC	CW	S3	04	-2,507	1,125	6,525	5,000	0	10,143	0	10,143	0	0	0	0	10,143	0	0	0	0	0	10,143	
Sub-total					47,450	45,656	44,675	5,000	0	142,781	0	142,781	0	0	0	0	142,781	0	0	0	0	0	142,781	
WAT906467 AVENUE ROAD TRUNKMAIN REPLACEMENT																								
0 1	AVENUE RD WM ENGINEERING - HI LEVEL TO LAWRENCE	CW	S2	03	112	0	0	0	0	112	0	112	0	0	0	0	93	0	0	19	0	0	112	
0 2	AVENUE RD WM CONSTRUCTION - HI LEVEL TO LAWRENCE	CW	S2	03	1,500	1,500	700	0	0	3,700	0	3,700	0	0	47	0	2,962	0	0	691	0	0	3,700	
0 23	AVENUE RD WM ENG - HI LEVEL TO LAWRENCE -2014 SC	CW	S3	03	23	0	0	0	0	23	0	23	0	0	68	0	-51	0	0	6	0	0	23	
0 24	AVENUE RD WM CONS - HI LEVEL TO LAWRENCE -2014 SC	CW	S3	03	-1,300	0	1,300	0	0	0	0	0	0	0	1,818	0	-1,818	0	0	0	0	0	0	
Sub-total					335	1,500	2,000	0	0	3,835	0	3,835	0	0	1,933	0	1,186	0	0	716	0	0	3,835	
WAT906468 HORGAN TRUNK MAIN EXPANSION																								
0 1	JOS - HORGAN TO ELLESMERE WM - ENGINEERING	CW	S2	05	200	200	200	200	200	1,000	0	1,000	0	0	190	0	485	0	0	325	0	0	1,000	
0 3	HORGAN TO ELLESMERE - CONSTRUCTION	CW	S2	05	0	3,000	5,000	10,000	10,000	28,000	20,000	48,000	0	0	9,077	0	23,342	0	0	15,581	0	0	48,000	
0 39	JOS - HORGAN TO ELLESMERE WM - ENG -2014 SC	CW	S3	05	-98	100	650	650	300	1,602	20	1,622	0	0	807	0	290	0	0	525	0	0	1,622	

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Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAT906468 HORGAN TRUNK MAIN EXPANSION</u>																								
0	40	HORGAN TO ELLESMERE - CONSTRUCTION -2014 SC	CW	S3	05	0	-2,500	1,000	8,000	8,000	14,500	500	15,000	0	0	14,833	0	-4,703	0	0	4,870	0	0	15,000
Sub-total						102	800	6,850	18,850	18,500	45,102	20,520	65,622	0	0	24,907	0	19,414	0	0	21,301	0	0	65,622
<u>WAT906470 ISLAND W.T.P. R&amp;R</u>																								
0	8	CHEMICAL & RESIDUALS MNGT - ENG	CW	S2	02	1,150	200	200	200	200	1,950	450	2,400	0	0	121	0	2,279	0	0	0	0	0	2,400
0	26	CHEMICAL & RESIDUALS MNGT - ENG -2014 SC	CW	S3	02	-1,000	500	350	50	50	-50	50	0	0	0	-121	0	121	0	0	0	0	0	0
Sub-total						150	700	550	250	250	1,900	500	2,400	0	0	0	0	2,400	0	0	0	0	0	2,400
<u>WAT906481 DISTRICT WATERMAINS - NEW</u>																								
0	1	DIST W/MAINS NEW	CW	S2	05	500	0	0	0	0	500	0	500	0	0	296	0	204	0	0	0	0	0	500
0	12	DIST W/MAINS NEW -2014 SC	CW	S3	05	-306	350	500	0	0	544	0	544	0	0	-296	0	840	0	0	0	0	0	544
Sub-total						194	350	500	0	0	1,044	0	1,044	0	0	0	0	1,044	0	0	0	0	0	1,044
<u>WAT906483 PW ENGINEERING</u>																								
0	2	CAPITAL PRGMG & FACILITY ASSET PLANNING	CW	S2	03	1,110	750	0	0	0	1,860	0	1,860	0	0	0	0	1,860	0	0	0	0	0	1,860
0	5	WATERMAIN ASSET PLANNING	CW	S2	03	561	400	0	0	0	961	0	961	0	0	0	0	961	0	0	0	0	0	961
0	7	EASEMENT ACQUISITION	CW	S2	04	472	300	0	0	0	772	0	772	0	0	0	0	772	0	0	0	0	0	772
0	22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	364	225	1,500	2,000	2,500	6,589	350	6,939	0	0	0	0	6,939	0	0	0	0	0	6,939
0	44	WATERMAIN ASSET PLANNING -2014 SC	CW	S3	03	429	260	460	360	160	1,669	0	1,669	0	0	658	0	1,011	0	0	0	0	0	1,669
0	45	JOS UPDATE - 2014 SC	CW	S3	05	10	0	0	0	0	10	0	10	0	0	10	0	0	0	0	0	0	0	10
0	46	EASEMENT ACQUISITION - 2014 SC	CW	S3	04	-172	0	0	0	0	-172	0	-172	0	0	0	0	-172	0	0	0	0	0	-172
0	47	WATER LOSS REDUCTION STRATEGY - 2014 SC	CW	S3	03	-14	78	-800	-1,000	-1,500	-3,236	650	-2,586	0	0	0	0	-2,586	0	0	0	0	0	-2,586
0	48	CAPITAL PRGMG & FACILITY ASSET PLANNING - 2014 SC	CW	S3	03	-692	0	0	0	0	-692	0	-692	0	0	0	0	-692	0	0	0	0	0	-692
Sub-total						2,068	2,013	1,160	1,360	1,160	7,761	1,000	8,761	0	0	668	0	8,093	0	0	0	0	0	8,761
<u>WAT906749 DOWNTOWN W/M ENHANCEMENT</u>																								
0	1	JOS - GERRARD ST WM - ENGINEERING	CW	S2	03	731	378	15	7	0	1,131	0	1,131	0	0	112	0	155	0	0	864	0	0	1,131
0	4	JOS - GERRARD ST WM - CONSTRUCTION	CW	S2	03	24,554	14,920	0	0	0	39,474	0	39,474	0	0	3,916	0	5,373	0	0	30,185	0	0	39,474
0	35	JOS - GERRARD ST WM - ENGINEERING -2014 SC	CW	S3	03	100	0	0	0	0	100	0	100	0	0	132	0	-108	0	0	76	0	0	100

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## Appendix 4: 2014 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
WAT906749	DOWNTOWN W/M ENHANCEMENT																								
0 36	JOS BATHURST-DUPONT W/M - ENG -2014 SC	CW	S3	05	-33	0	0	0	0	-33	0	-33	0	0	-6	0	-27	0	0	0	0	0	-33		
0 37	JOS - GERRARD ST WM - CONSTRUCTION -2014 SC	CW	S3	03	-6,000	-1,000	7,000	0	0	0	0	0	0	0	3,943	0	-3,944	0	0	1	0	0	0		
1 3	JOS BATHURST-DUPONT W/M - ENG	CW	S2	05	33	0	0	0	0	33	0	33	0	0	6	0	27	0	0	0	0	0	33		
Sub-total					19,385	14,298	7,015	7	0	40,705	0	40,705	0	0	8,103	0	1,476	0	0	31,126	0	0	40,705		
WAT906752	TRANSMISSION R&R																								
0 49	TRUNK WATERMAIN REHAB	CW	S2	03	250	250	0	0	0	500	0	500	0	0	0	0	500	0	0	0	0	0	500		
0 51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	1,000	5,000	2,200	320	0	8,520	0	8,520	0	0	0	0	8,520	0	0	0	0	0	8,520		
0 52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S4	03	300	400	600	800	700	2,800	1,440	4,240	0	0	0	0	4,240	0	0	0	0	0	4,240		
0 59	CAST IRON TRUNK REPLC - PHASE 2 - 2014 SC	CW	S3	03	-1	-196	310	-56	0	57	0	57	0	0	0	0	57	0	0	0	0	0	57		
1 2	TRANSF & SW/GEAR REPLACMENT DESIGN	CW	S4	03	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	50		
Sub-total					1,599	5,454	3,110	1,064	700	11,927	1,440	13,367	0	0	0	0	13,367	0	0	0	0	0	13,367		
WAT906900	TRANSMISSION R&R																								
0 1	TRANS FACILITIES REHAB	CW	S2	03	548	0	0	0	0	548	0	548	0	0	0	0	548	0	0	0	0	0	548		
0 6	ELLESMERE P.S. UPGRADE	CW	S2	05	0	25	525	0	0	550	0	550	0	0	63	0	139	0	0	348	0	0	550		
0 26	SCARBOROUGH PS - PUMP REPLC	CW	S2	03	884	20	0	0	0	904	0	904	0	0	0	0	904	0	0	0	0	0	904		
0 27	EGLINTON PS -PUMP REPLC	CW	S2	03	2,982	100	0	0	0	3,082	0	3,082	0	0	0	0	3,082	0	0	0	0	0	3,082		
0 32	ELLESMERE P.S. UPGRADE -2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	64	0	-64	0	0	0	0	0	0		
0 33	SCARBOROUGH PS - PUMP REPLC -2014 SC	CW	S3	03	-284	230	0	0	0	-54	0	-54	0	0	0	0	-54	0	0	0	0	0	-54		
0 34	EGLINTON PS -PUMP REPLC -2014 SC	CW	S3	03	-1,182	650	0	0	0	-532	0	-532	0	0	0	0	-532	0	0	0	0	0	-532		
0 35	TRANS FACILITIES REHAB - 2014 SC	CW	S3	03	17	150	0	0	0	167	0	167	0	0	0	0	167	0	0	0	0	0	167		
0 36	RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S4	03	300	5,250	500	0	0	6,050	0	6,050	0	0	0	0	6,050	0	0	0	0	0	6,050		
Sub-total					3,265	6,425	1,025	0	0	10,715	0	10,715	0	0	127	0	10,240	0	0	348	0	0	10,715		
WAT906902	HARRIS W.T.P. R&R																								
0 2	BUILDING ENVELOPE REHAB	CW	S2	03	20	10	0	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30		
0 3	FACILITY & PROCESS UPGRADES	CW	S2	03	0	500	500	500	500	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000		

**CITY OF TORONTO**

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

**Appendix 4: 2014 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													
												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		
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023														
WAT906902 HARRIS W.T.P. R&R																										
0	6	LIQUID CHEMICAL SYSTEM RELOCATION	CW	S2	04	16	0	0	0	0	16	0	16	0	0	0	0	16	0	0	0	0	0	16		
0	13	FILTER MEDIA REPLACEMENT PH2	CW	S2	03	350	350	0	0	150	850	300	1,150	0	0	0	0	1,150	0	0	0	0	0	1,150		
0	21	HVAC REHAB - CONSTRUCTION	CW	S2	03	1,059	1,000	1,000	0	0	3,059	0	3,059	0	0	0	0	3,059	0	0	0	0	0	3,059		
0	22	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	780	0	0	0	0	780	0	780	0	0	0	0	780	0	0	0	0	0	780		
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	2,396	2,200	2,020	0	0	6,616	0	6,616	0	0	0	0	6,616	0	0	0	0	0	6,616		
0	65	FILTER MEDIA REPLACEMENT PH2 -2014 SC	CW	S3	03	-150	-150	150	0	-150	-300	-300	-600	0	0	0	0	-600	0	0	0	0	0	-600		
0	66	FACILITY & PROCESS UPGRADES -2014 SC	CW	S3	03	500	0	-500	-500	-500	-1,000	0	-1,000	0	0	0	0	-1,000	0	0	0	0	0	-1,000		
0	67	TRAVELLING SCREEN REPLACEMENT -2014 SC	CW	S3	03	320	0	0	0	0	320	0	320	0	0	0	0	320	0	0	0	0	0	320		
0	68	HVAC REHAB - CONSTRUCTION -2014 SC	CW	S3	03	-264	0	0	250	0	-14	0	-14	0	0	0	0	-14	0	0	0	0	0	-14		
0	69	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2014 SC	CW	S3	03	1,024	6,000	2,500	0	0	9,524	0	9,524	0	0	0	0	9,524	0	0	0	0	0	9,524		
0	72	BUILDING ENVELOPE REHAB - 2014 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10		
0	73	LIQUID CHEMICAL SYSTEM RELOCATION - 2014 SC	CW	S3	04	-8	0	0	0	0	-8	0	-8	0	0	0	0	-8	0	0	0	0	0	-8		
Sub-total						6,033	9,910	5,670	250	0	21,863	0	21,863	0	0	0	0	21,863	0	0	0	0	0	21,863		
WAT906903 FJ HORGAN W.T.P. R&R																										
0	5	FACILITY & PROCESS UPGRADES	CW	S2	03	614	500	500	500	500	2,614	2,000	4,614	0	0	0	0	4,614	0	0	0	0	0	4,614		
0	8	RAW WATER PUMP UPGRADES	CW	S2	03	512	700	0	0	0	1,212	0	1,212	0	0	0	0	1,212	0	0	0	0	0	1,212		
0	15	REPLACEMENT OF MCCS	CW	S2	03	1,450	2,265	2,360	725	0	6,800	0	6,800	0	0	0	0	6,800	0	0	0	0	0	6,800		
0	16	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	CW	S2	03	534	2,500	1,950	0	0	4,984	0	4,984	0	0	0	0	4,984	0	0	0	0	0	4,984		
0	26	FACILITY & PROCESS UPGRADES -2014 SC	CW	S3	03	244	444	-150	-500	-500	-462	-2,000	-2,462	0	0	0	0	-2,462	0	0	0	0	0	-2,462		
0	27	REPLACEMENT OF MCCS -2014 SC	CW	S3	03	-1,150	-795	990	875	200	120	0	120	0	0	0	0	120	0	0	0	0	0	120		
0	29	RAW WATER PUMP UPGRADES - 2014 SC	CW	S3	03	188	-160	0	0	0	28	0	28	0	0	0	0	28	0	0	0	0	0	28		
0	30	ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT - 2014 SC	CW	S3	03	-484	-2,000	550	1,950	0	16	0	16	0	0	0	0	16	0	0	0	0	0	16		
Sub-total						1,908	3,454	6,200	3,550	200	15,312	0	15,312	0	0	0	0	15,312	0	0	0	0	0	15,312		
WAT906906 TRUNK WATERMAIN EXPANSION																										

# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906906 TRUNK WATERMAIN EXPANSION																								
0	2	JOS - D4 W/M ENGINEERING	CW	S3	05	10	0	0	0	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	13	CAST IRON T-M REPLACEMENT - PH1	CW	S2	03	40	0	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	0	40
0	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	702	400	400	0	0	1,502	0	1,502	0	0	357	0	803	0	0	342	0	0	1,502
0	63	JOS WM SCAR PS TO ST CLAIR&MIDLAND -ENG -2014 SC	CW	S3	05	-102	200	150	400	0	648	0	648	0	0	672	0	-170	0	0	146	0	0	648
0	64	CAST IRON T-M REPLACEMENT - PH1 - 2014 SC	CW	S3	03	-40	0	0	0	0	-40	0	-40	0	0	0	0	-40	0	0	0	0	0	-40
Sub-total						610	600	550	400	0	2,160	0	2,160	0	0	1,029	0	643	0	0	488	0	0	2,160
WAT906914 SWITCH GEAR TRANSFORMER																								
0	3	ARC FLASH ANALYSIS	CW	S2	01	288	0	0	0	0	288	0	288	0	0	0	0	288	0	0	0	0	0	288
0	13	INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	CW	S2	03	5,140	6,900	2,435	0	0	14,475	0	14,475	0	0	0	0	14,475	0	0	0	0	0	14,475
0	25	ARC FLASH ANALYSIS -2014 SC	CW	S3	01	62	0	0	0	0	62	0	62	0	0	0	0	62	0	0	0	0	0	62
0	26	INDOOR/OUTDOOR SWITCHGEAR(5 Stations Ph3) -2014 SC	CW	S3	03	-4,465	-500	3,800	0	0	-1,165	0	-1,165	0	0	0	0	-1,165	0	0	0	0	0	-1,165
Sub-total						1,025	6,400	6,235	0	0	13,660	0	13,660	0	0	0	0	13,660	0	0	0	0	0	13,660
WAT906917 TRANSMISSION OPERATIONS OPTIMIZER																								
0	8	TRANSMISSION OPERATIONS OPTIMIZER	CW	S2	04	448	0	0	0	0	448	0	448	0	0	0	0	448	0	0	0	0	0	448
0	9	TRANSMISSION OPERATIONS OPTIMIZER - 2014 SC	CW	S3	04	112	0	0	0	0	112	0	112	0	0	0	0	112	0	0	0	0	0	112
Sub-total						560	0	0	0	0	560	0	560	0	0	0	0	560	0	0	0	0	0	560
WAT906918 WATER SUSTAINABILITY PROGRAM																								
0	1	WATER SUSTAINABILITY PROGRAM	CW	S2	04	4,200	5,300	5,000	0	0	14,500	0	14,500	0	0	0	0	14,500	0	0	0	0	0	14,500
0	8	WATER SUSTAINABILITY PROGRAM -2014 SC	CW	S3	04	-4,000	-2,550	-650	4,000	0	-3,200	0	-3,200	0	0	686	0	-3,886	0	0	0	0	0	-3,200
Sub-total						200	2,750	4,350	4,000	0	11,300	0	11,300	0	0	686	0	10,614	0	0	0	0	0	11,300
WAT906919 RL CLARK W.T.P. R&R																								
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	603	300	300	300	100	1,603	0	1,603	0	0	0	0	1,603	0	0	0	0	0	1,603
0	8	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	1,535	625	665	584	25	3,434	25	3,459	0	0	0	0	3,459	0	0	0	0	0	3,459
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	8,790	10,000	12,000	12,000	12,724	55,514	68,574	124,088	0	0	0	0	124,088	0	0	0	0	0	124,088
0	44	EVALUATION & COMMUNICATION SYSTEMS	CW	S2	03	1,140	125	0	0	0	1,265	0	1,265	0	0	0	0	1,265	0	0	0	0	0	1,265



# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906919 RL CLARK W.T.P. R&R																								
0	49	PROCESS EQUIPMENT UPGRADE ENGINEERING -2014 SC	CW	S3	03	-280	0	0	0	0	-280	0	-280	0	0	194	0	-474	0	0	0	0	0	-280
0	50	PROCESS EQUIPMENT UPGRADE CONSTRUCTION -2014 SC	CW	S3	03	-674	0	0	0	-2,724	-3,398	-68,574	-71,972	0	0	3,169	0	-75,141	0	0	0	0	0	-71,972
0	51	EVALUATION & COMMUNICATION SYSTEMS -2014 SC	CW	S3	03	-391	1,080	117	20	7	833	0	833	0	0	0	0	833	0	0	0	0	0	833
0	52	FACILITY & PROCESS UPGRADES - 2014 SC	CW	S3	03	-303	-130	-300	-300	-100	-1,133	0	-1,133	0	0	0	0	-1,133	0	0	0	0	0	-1,133
Sub-total						10,420	12,000	12,782	12,604	10,032	57,838	25	57,863	0	0	3,363	0	54,500	0	0	0	0	0	57,863
WAT906930 DIST W/M REPLACEMENT																								
0	15	W/M REPLACEMENT - STAND ALONE	CW	S2	03	14,924	0	0	0	0	14,924	0	14,924	0	0	0	0	14,924	0	0	0	0	0	14,924
0	29	DIST W/M REPLACEMENT - 2012	CW	S2	03	4,732	0	0	0	0	4,732	0	4,732	0	0	0	0	4,732	0	0	0	0	0	4,732
0	39	DIST W/M REPLACEMENT 2013	CW	S2	03	11,083	0	0	0	0	11,083	0	11,083	0	0	0	0	11,083	0	0	0	0	0	11,083
0	41	WATERMAIN UPGRADES	CW	S2	05	1,035	0	0	0	0	1,035	0	1,035	0	0	613	0	422	0	0	0	0	0	1,035
0	50	DIST W/M REPLACEMENT 2013 - 2014 SC	CW	S3	03	-6,150	4,450	0	0	0	-1,700	0	-1,700	0	0	0	0	-1,700	0	0	0	0	0	-1,700
0	51	DIST WM REPLACMENT - 2014	CW	S4	03	19,719	10,482	2,000	0	0	32,201	0	32,201	0	0	0	0	32,201	0	0	0	0	0	32,201
0	52	WATERMAIN UPGRADES - 2014	CW	S4	05	5,407	3,990	1,000	0	0	10,397	0	10,397	0	0	0	0	10,397	0	0	0	0	0	10,397
0	53	W/M REPLACEMENT - STAND ALONE -2014 SC	CW	S3	03	-6,045	6,936	0	0	0	891	0	891	0	0	0	0	891	0	0	0	0	0	891
0	54	WATERMAIN UPGRADES -2014 SC	CW	S3	05	3,121	2,000	0	0	0	5,121	0	5,121	0	0	-613	0	5,734	0	0	0	0	0	5,121
0	55	WATERMAIN REPLACEMENT - METROLINX	CW	S4	03	25	600	600	1,000	875	3,100	0	3,100	0	0	0	0	3,100	0	0	0	0	0	3,100
0	56	DIST W/M REPLACEMENT - 2012 - 2014 SC	CW	S3	03	-2,888	3,125	0	0	0	237	0	237	0	0	0	0	237	0	0	0	0	0	237
Sub-total						44,963	31,583	3,600	1,000	875	82,021	0	82,021	0	0	0	0	82,021	0	0	0	0	0	82,021
WAT906932 DIST W/M REHABILITATION																								
0	1	WATERMAIN CLEANING &LINING	CW	S2	04	200	0	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	4	Hydrant & Valve Repair	CW	S2	03	645	0	0	0	0	645	0	645	0	0	0	0	645	0	0	0	0	0	645
0	5	CUT REPAIRS - 2014 SC	CW	S3	03	1,994	4,371	0	0	0	6,365	0	6,365	0	0	0	0	6,365	0	0	0	0	0	6,365
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	17,559	0	0	0	0	17,559	0	17,559	0	0	0	0	17,559	0	0	0	0	0	17,559
0	7	CATHODIC PROTECTION	CW	S2	03	5,244	0	0	0	0	5,244	0	5,244	0	0	0	0	5,244	0	0	0	0	0	5,244

**CITY OF TORONTO**

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

**Appendix 4: 2014 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													
							2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
<u>WAT906932 DIST W/M REHABILITATION</u>																											
0	30	CUT REPAIRS	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	0	
0	38	Hydrant & Valve Repair -2014 SC	CW	S3	03	355	1,000	1,000	1,000	0	3,355	0	3,355	0	0	0	0	3,355	0	0	0	0	0	3,355	0	0	
0	39	WATERMAIN STRUCTURAL LINING -2014 SC	CW	S3	03	13,697	31,500	35,000	30,500	0	110,697	0	110,697	0	0	0	0	110,697	0	0	0	0	0	110,697	0	0	
0	40	CATHODIC PROTECTION -2014 SC	CW	S3	03	-1,209	3,500	3,500	3,500	0	9,291	0	9,291	0	0	0	0	9,291	0	0	0	0	0	9,291	0	0	
0	41	WATERMAIN CLEANING &LINING - 2014 SC	CW	S3	04	-56	0	0	0	0	-56	0	-56	0	0	0	0	-56	0	0	0	0	0	-56	0	0	
Sub-total							40,679	40,371	39,500	35,000	0	155,550	0	155,550	0	0	0	0	155,550	0	0	0	0	0	155,550	0	0
<u>WAT906934 DIST WATER SERVICE REPAIR</u>																											
0	12	ALL DISTRICT WSR - LEAD REPLACEMENT	CW	S2	02	10,000	1,989	0	0	0	11,989	0	11,989	0	0	0	0	11,989	0	0	0	0	0	11,989	0	0	
0	20	WATER SERVICE REPAIR - STAND ALONE	CW	S2	02	514	0	0	0	0	514	0	514	0	0	0	0	514	0	0	0	0	0	514	0	0	
0	32	WSR CUT REPAIRS	CW	S2	03	2,170	0	0	0	0	2,170	0	2,170	0	0	0	0	2,170	0	0	0	0	0	2,170	0	0	
0	41	2013 WATER SERVICE REPLACMENT -SOG R	CW	S2	02	1,834	0	0	0	0	1,834	0	1,834	0	0	0	0	1,834	0	0	0	0	0	1,834	0	0	
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S4	02	3,000	5,000	0	0	0	8,000	0	8,000	0	0	0	0	8,000	0	0	0	0	0	8,000	0	0	
0	53	ALL DISTRICT WSR - LEAD REPLACEMENT -2014 SC	CW	S3	02	-116	7,850	9,250	9,250	0	26,234	0	26,234	0	0	0	0	26,234	0	0	0	0	0	26,234	0	0	
0	54	WATER SERVICE REPAIR - STAND ALONE -2014 SC	CW	S3	02	918	0	0	0	0	918	0	918	0	0	0	0	918	0	0	0	0	0	918	0	0	
0	55	WSR CUT REPAIRS - 2014 SC	CW	S3	03	-48	2,186	0	0	0	2,138	0	2,138	0	0	0	0	2,138	0	0	0	0	0	2,138	0	0	
0	56	2012 WATER SERVICE REPLACEMENT - 2014 SC	CW	S3	02	84	50	0	0	0	134	0	134	0	0	0	0	134	0	0	0	0	0	134	0	0	
0	57	2013 WATER SERVICE REPLACMENT -SOG R - 2014 SC	CW	S3	02	-207	2,550	0	0	0	2,343	0	2,343	0	0	0	0	2,343	0	0	0	0	0	2,343	0	0	
Sub-total							18,149	19,625	9,250	9,250	0	56,274	0	56,274	0	0	0	0	56,274	0	0	0	0	0	56,274	0	0
<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	0	
0	7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	14,000	4,000	0	0	0	18,000	0	18,000	0	0	0	0	18,000	0	0	0	0	0	18,000	0	0	
0	16	NEW SERVICE CONNECTIONS - CUT REPAIRS -2014 SC	CW	S3	05	0	3,500	0	0	0	3,500	0	3,500	0	0	0	0	3,500	0	0	0	0	0	3,500	0	0	
0	17	NEW SERVICE CONNECTIONS - SITE SERVICING - 2014 SC	CW	S3	05	0	10,000	0	0	0	10,000	0	10,000	0	0	0	0	10,000	0	0	0	0	0	10,000	0	0	
Sub-total							17,500	17,500	0	0	0	35,000	0	35,000	0	0	0	0	35,000	0	0	0	0	0	35,000	0	0
<u>WAT906951 ENGINEERING</u>																											

# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAT906951 ENGINEERING																								
0	1	ROAD RESTORATION - 2014 SC	CW	S3	03	5,198	0	0	0	0	5,198	0	5,198	0	0	0	0	5,198	0	0	0	0	0	5,198
0	2	CONSULTING FEES	CW	S2	03	5,834	9,000	0	0	0	14,834	0	14,834	0	0	0	0	14,834	0	0	0	0	0	14,834
0	37	SALARIES: LEGAL SALARIES - 2014 SC	CW	S3	03	188	0	0	0	0	188	0	188	0	0	0	0	188	0	0	0	0	0	188
0	45	ECS SALARIES	CW	S4	03	12,033	0	0	0	0	12,033	0	12,033	0	0	0	0	12,033	0	0	0	0	0	12,033
0	46	SALARIES: DISTRICT OPERATIONS - 2014 SC	CW	S3	03	623	0	0	0	0	623	0	623	0	0	0	0	623	0	0	0	0	0	623
0	50	CONSULTING FEES -2014 SC	CW	S3	03	-2,618	-5,025	6,687	5,912	5,445	10,401	9,176	19,577	0	0	0	0	19,577	0	0	0	0	0	19,577
Sub-total						21,258	3,975	6,687	5,912	5,445	43,277	9,176	52,453	0	0	0	0	52,453	0	0	0	0	0	52,453
WAT906977 ISLAND W.T.P. R&R																								
0	1	FACILITY & PROCESS UPGRADES	CW	S2	03	491	375	375	0	0	1,241	0	1,241	0	0	0	0	1,241	0	0	0	0	0	1,241
0	7	FILTER MEDIA REPLC	CW	S2	03	75	150	0	150	0	375	300	675	0	0	0	0	675	0	0	0	0	0	675
0	12	FACILITY UPGRADE	CW	S4	03	300	1,600	1,100	0	0	3,000	0	3,000	0	0	0	0	3,000	0	0	0	0	0	3,000
0	18	VALVE CHAMBER UPGRADES	CW	S2	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	20	ISLAND SBS CONVERSION	CW	S2	04	44	0	0	0	0	44	0	44	0	0	0	0	44	0	0	0	0	0	44
0	25	ISLAND FILTER AIR SCOUR SYSTEM	CW	S2	04	850	0	0	0	0	850	0	850	0	0	0	0	850	0	0	0	0	0	850
0	33	ISLAND SEAWALL REHABILITATION	CW	S2	03	1,336	0	0	0	0	1,336	0	1,336	0	0	0	0	1,336	0	0	0	0	0	1,336
0	44	ISLAND ENWAVE/RETROFIT PROJECT	CW	S2	04	1,100	0	0	0	0	1,100	0	1,100	0	0	0	0	1,100	0	0	0	0	0	1,100
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	CW	S4	03	75	890	1,285	0	0	2,250	0	2,250	0	0	0	0	2,250	0	0	0	0	0	2,250
0	51	CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION	CW	S4	03	55	465	0	0	0	520	0	520	0	0	0	0	520	0	0	0	0	0	520
0	52	CONDITION ASSESSMENT & REHAB OF RAW WATER WETWELL	CW	S4	03	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	55	FILTER MEDIA REPLC - 2014 SC	CW	S3	03	0	-150	0	-150	0	-300	-300	-600	0	0	0	0	-600	0	0	0	0	0	-600
0	56	VALVE CHAMBER UPGRADES - 2014 SC	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100
0	57	ISLAND SBS CONVERSION - 2014 SC	CW	S3	04	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6
0	58	FACILITY & PROCESS UPGRADES - 2014 SC	CW	S3	03	507	227	-149	0	0	585	0	585	0	0	0	0	585	0	0	0	0	0	585
0	59	ISLAND SEAWALL REHABILITATION - 2014 SC	CW	S3	03	-616	0	0	0	0	-616	0	-616	0	0	0	0	-616	0	0	0	0	0	-616

Report Phase 5 - Program 10 Water Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

**CITY OF TORONTO****Gross Expenditures (\$000's)****Appendix 4: 2014 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										
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
WAT906977 ISLAND W.T.P. R&R																							
0	60	ISLAND FILTER AIR SCOUR SYSTEM - 2014 SC	CW	S3	04	0	500	0	0	0	500	0	500	0	0	82	0	418	0	0	0	0	500
0	61	ISLAND ENWAVE/RETROFIT PROJECT - 2014 SC	CW	S3	04	-926	260	350	0	0	-316	0	-316	0	0	0	0	-316	0	0	0	0	-316
Sub-total						3,397	4,317	2,961	0	0	10,675	0	10,675	0	0	82	0	10,593	0	0	0	0	10,675
WAT906979 D2/D4 TRUNK WATERMAIN UPGRADES																							
0	4	JOS - NEILSON (ELLESMERE-SHEPPARD) WM CONSTRUCTION	CW	S2	05	1,170	0	0	0	0	1,170	0	1,170	0	0	157	0	583	0	0	430	0	1,170
0	7	Ellesmere WM (Markham to Neilson) ENG	CW	S2	05	0	0	0	0	100	100	1,070	1,170	0	0	156	0	352	0	0	662	0	1,170
0	29	JOS -NEILSON(ELLESMERE-SHEPPARD)WM	CW	S3	05	130	0	0	0	0	130	0	130	0	0	191	0	-110	0	0	49	0	130
0	30	Ellesmere WM (Markham to Neilson) ENG -2014 SC	CW	S3	05	0	0	0	0	-100	-100	-1,070	-1,170	0	0	-156	0	-352	0	0	-662	0	-1,170
Sub-total						1,300	0	0	0	0	1,300	0	1,300	0	0	348	0	473	0	0	479	0	1,300
WAT907135 BAYVIEW TRUNK WATERMAIN - PH2																							
0	1	JOS - MT- PLEASANT WM - CONST	CW	S2	05	0	0	0	0	1,000	1,000	80,000	81,000	0	0	502	0	1,287	0	0	79,211	0	81,000
0	8	JOS - MT- PLEASANT WM - CONST -2014 SC	CW	S3	05	0	0	0	0	-1,000	-1,000	-80,000	-81,000	0	0	-502	0	-1,287	0	0	-79,211	0	-81,000
Sub-total						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAT907353 LAWRENCE ALLAN REVITALIZATION PLAN																							
0	1	LAWRENCE ALLAN REVITALIZATION PLAN-INFRASTRUCTURE	CW	S2	05	0	3,668	3,354	12,641	2,127	21,790	3,531	25,321	0	0	0	0	25,321	0	0	0	0	25,321
0	2	LAWRENCE ALLAN REVITALIZATION PLAN-EXTERNAL SEWER	CW	S2	05	0	2,803	0	5,437	0	8,240	0	8,240	0	0	3,461	0	4,779	0	0	0	0	8,240
0	4	LAWRENCE ALLAN REVITALIZATION-EXTERNAL -2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	4,779	0	-4,779	0	0	0	0	0
0	5	LAWRENCE ALLAN REVITALIZATION PLAN-INTER - 2014 SC	CW	S3	05	0	0	0	0	0	0	0	0	0	0	4,868	0	-4,868	0	0	0	0	0
Sub-total						0	6,471	3,354	18,078	2,127	30,030	3,531	33,561	0	0	13,108	0	20,453	0	0	0	0	33,561
WAT907558 REGENT PARK CAPITAL CONTRIBUTION																							
0	1	REGENT PARK CAPITAL CONTRIBUTION	28	S2	05	0	859	330	132	745	2,066	984	3,050	0	0	0	0	3,050	0	0	0	0	3,050
0	8	REGENT PARK CAPITAL CONTRIBUTION - 2014 SC	CW	S3	05	0	0	0	0	0	0	162	162	0	0	3,212	0	-3,050	0	0	0	0	162
Sub-total						0	859	330	132	745	2,066	1,146	3,212	0	0	3,212	0	0	0	0	0	0	3,212
WAT907946 BUSINESS IT PROJECTS																							
0	1	BUSINESS INTELLIGENCE INITIATIVES	CW	S2	04	425	0	0	0	0	425	0	425	0	0	0	0	425	0	0	0	0	425

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 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- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
WAT907946	BUSINESS IT PROJECTS																						
0	2	BACKFLOW INSPECTION PORTAL	CW	S2	04	250	200	0	0	0	450	0	450	0	0	0	0	450	0	0	0	0	450
0	3	DISASTER RECOVERY - DRP - 2014 SC	CW	S3	04	121	0	0	0	0	121	0	121	0	0	0	0	121	0	0	0	0	121
0	4	EDOCS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	50
0	5	BACKFLOW INSPECTION PORTAL -2014 SC	CW	S3	04	-250	-200	200	200	0	-50	0	-50	0	0	0	0	-50	0	0	0	0	-50
0	6	EDOCS -2014 SC	CW	S3	04	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	100
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S4	04	875	1,175	1,225	975	975	5,225	0	5,225	0	0	0	0	5,225	0	0	0	0	5,225
0	8	BUSINESS INTELLIGENCE INITIATIVES - 2014 SC	CW	S3	04	-150	280	0	0	0	130	0	130	0	0	0	0	130	0	0	0	0	130
0	9	DISASTER RECOVERY	CW	S2	04	84	0	0	0	0	84	0	84	0	0	0	0	84	0	0	0	0	84
Sub-total						1,505	1,455	1,425	1,175	975	6,535	0	6,535	0	0	0	0	6,535	0	0	0	0	6,535
Total Program Expenditure						264,998	258,666	173,875	120,320	41,801	859,660	37,338	896,998	0	0	63,305	0	778,274	0	0	55,419	0	896,998



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Gross Expenditures (\$000's)

Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS000007 ASHBRIDGES BAY WWTP REHAB																								
0	17	STANDBY POWER GENERATION	CW	S2	04	7,009	4,400	55	15	0	11,479	0	11,479	0	0	344	0	11,135	0	0	0	0	0	11,479
0	19	FERROUS UPGRADES	CW	S2	03	1,920	4,700	1,750	120	0	8,490	0	8,490	0	0	256	0	8,234	0	0	0	0	0	8,490
0	30	ELECTRICAL REHAB	CW	S2	01	9,073	5,620	0	0	0	14,693	0	14,693	0	0	0	0	14,693	0	0	0	0	0	14,693
0	41	POLYMER UPGRADE	CW	S2	03	1,410	4,100	3,750	800	60	10,120	0	10,120	0	0	0	0	10,120	0	0	0	0	0	10,120
0	46	Rehab of Grounds and Buildings	CW	S2	03	658	5	0	0	0	663	0	663	0	0	0	0	663	0	0	0	0	0	663
0	47	PT ENGINEERING DESIGN & CONTRACT ADMIN	CW	S2	03	1,320	1,100	1,000	750	250	4,420	49	4,469	0	0	134	0	4,335	0	0	0	0	0	4,469
0	49	PROCESS UPGRADES AND ODOUR CONTROL ENGINEERING	CW	S2	04	1,424	300	87	0	0	1,811	0	1,811	0	0	55	0	1,756	0	0	0	0	0	1,811
0	189	PROCESS AND EQUIPMENT	CW	S2	03	4,460	2,840	0	0	0	7,300	0	7,300	0	0	0	0	7,300	0	0	0	0	0	7,300
0	190	FACILITY AND GROUNDS	CW	S2	03	4,403	3,267	0	0	0	7,670	0	7,670	0	0	0	0	7,670	0	0	0	0	0	7,670
0	206	STANDBY POWER GENERATION -2014 SC	CW	S3	04	-2,109	-327	-50	0	0	-2,486	0	-2,486	0	0	379	0	-2,865	0	0	0	0	0	-2,486
0	207	PT ENGINEERING DESIGN & CONTRACT ADMIN -2014 SC	CW	S3	03	690	1,110	1,084	238	635	3,757	250	4,007	0	0	549	0	3,458	0	0	0	0	0	4,007
0	208	ELECTRICAL REHAB -ECAP -2014 SC	CW	S3	01	-6,944	554	6,025	2,105	421	2,161	0	2,161	0	0	0	0	2,161	0	0	0	0	0	2,161
0	209	Rehab of Grounds and Buildings -2014 SC	CW	S3	03	-79	20	0	0	0	-59	0	-59	0	0	0	0	-59	0	0	0	0	0	-59
0	210	PROCESS UPGRADES & ODOUR CONTROL ENG -2014 SC	CW	S3	04	-114	700	323	34	0	943	0	943	0	0	166	0	777	0	0	0	0	0	943
0	211	FERROUS UPGRADES -2014 SC	CW	S3	03	-1,320	-4,225	4,322	6,580	3,185	8,542	255	8,797	0	0	1,143	0	7,654	0	0	0	0	0	8,797
0	212	PROCESS AND EQUIPMENT -2014 SC	CW	S3	03	-2,360	30	3,610	4,004	4	5,288	0	5,288	0	0	0	0	5,288	0	0	0	0	0	5,288
0	213	FACILITY AND GROUNDS -2014 SC	CW	S3	03	-2,907	-1,302	2,002	0	0	-2,207	0	-2,207	0	0	0	0	-2,207	0	0	0	0	0	-2,207
0	214	POLYMER UPGRADE -2014 SC	CW	S3	03	-850	-3,540	-2,950	9,100	12,140	13,900	12,380	26,280	0	0	0	0	26,280	0	0	0	0	0	26,280
0	215	DIGESTERS CLEANING REHAB 10 YEAR PLAN	CW	S4	03	700	3,700	3,600	3,100	0	11,100	0	11,100	0	0	0	0	11,100	0	0	0	0	0	11,100
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S4	03	300	400	0	0	0	700	0	700	0	0	0	0	700	0	0	0	0	0	700
Sub-total						16,684	23,452	24,608	26,846	16,695	108,285	12,934	121,219	0	0	3,026	0	118,193	0	0	0	0	0	121,219
WAS000160 ASHBRIDGES BAY TREATMENT PLANT - III																								
0	19	BIOSOLIDS IMPRVS & STUDIES	CW	S2	04	165	0	0	0	0	165	0	165	0	0	5	0	160	0	0	0	0	0	165

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater Program																										
							Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By													
												Total	Total	Total												
Sub-Priority	Project SubProj	Project Name		Ward	Stat.	Cat.	2014	2015	2016	2017	2018	2014-2018	2019-2023	2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
WAS000160 ASHBRIDGES BAY TREATMENT PLANT - III																										
0	43	BIOSOLIDS IMPRVS & STUDIES -2014 SC		CW	S3	04	-165	0	0	0	0	-165	0	-165	0	0	-5	0	-160	0	0	0	0	0	-165	
Sub-total							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAS000259 TRUNK SEWER SYSTEM																										
0	15	TRUNK SEVWER REHAB-2012		CW	S2	03	24,464	12,900	3,000	500	0	40,864	0	40,864	0	0	0	0	40,864	0	0	0	0	0	40,864	
0	23	TRUNK SEWER REHABILITATION		CW	S2	03	395	225	0	0	0	620	0	620	0	0	0	0	620	0	0	0	0	0	620	
0	27	TRUNK SEWER REHABILITATION - 2014		CW	S4	03	455	12,880	18,225	3,543	7	35,110	0	35,110	0	0	0	0	35,110	0	0	0	0	0	35,110	
0	33	TRUNK SEVWER REHAB-2012 -2014 SC		CW	S3	03	-16,893	-6,984	1,884	1,111	381	-20,501	49	-20,452	0	0	0	0	-20,452	0	0	0	0	0	-20,452	
0	34	KEELE TRUNK SEWER PROPERTY ACQUISITION -2014 SC		CW	S3	05	500	500	0	0	0	1,000	0	1,000	0	0	0	0	1,000	0	0	0	0	0	1,000	
0	37	TRUNK SEWER REHABILITATION - 2014 SC		CW	S3	03	-225	-55	0	0	0	-280	0	-280	0	0	0	0	-280	0	0	0	0	0	-280	
Sub-total							8,696	19,466	23,109	5,154	388	56,813	49	56,862	0	0	0	0	56,862	0	0	0	0	0	56,862	
WAS000442 BASEMENT FLOODING RELIEF																										
0	8	BASEMENT FLOODING STUDIES & EAS		CW	S2	04	3,236	0	0	0	0	3,236	0	3,236	0	0	0	0	3,236	0	0	0	0	0	3,236	
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT		CW	S2	04	33,063	0	0	0	0	33,063	0	33,063	0	0	0	0	33,063	0	0	0	0	0	33,063	
0	12	ROAD RESTORATION FOR BSMT FLDG		CW	S2	04	5,013	3,000	0	0	0	8,013	0	8,013	0	0	0	0	8,013	0	0	0	0	0	8,013	
0	14	BASEMENT FLOODING DESIGN - GROUP 1		CW	S2	04	4,363	100	50	0	0	4,513	0	4,513	0	0	0	0	4,513	0	0	0	0	0	4,513	
0	18	BASEMENT FLOODING DESIGN - GROUP 2		CW	S2	04	7,000	7,000	6,000	5,000	0	25,000	0	25,000	0	0	0	0	25,000	0	0	0	0	0	25,000	
0	19	BASEMENT FLOODING RELIEF- GROUP 2		CW	S4	04	17,292	41,222	39,832	49,299	1,500	149,145	0	149,145	0	0	0	0	149,145	0	0	0	0	0	149,145	
0	20	BASEMENT FLOODING DESIGN - GROUP 3		CW	S4	04	100	3,000	4,000	5,000	5,000	17,100	8,000	25,100	0	0	0	0	25,100	0	0	0	0	0	25,100	
0	29	BASEMENT FLOODING RELIEF - GROUP 1		CW	S2	04	47,555	75	75	75	0	47,780	0	47,780	0	0	0	0	47,780	0	0	0	0	0	47,780	
0	59	BASEMENT FLOODING RELIEF -BACKFLOW GRANTS -2014 SC		CW	S3	04	3,000	3,000	3,000	3,000	3,000	15,000	17,500	32,500	0	0	0	0	32,500	0	0	0	0	0	32,500	
0	60	BASEMENT FLOODING STUDIES & EAS -2014 SC		CW	S3	04	-585	1,618	1,485	0	0	2,518	0	2,518	0	0	0	0	2,518	0	0	0	0	0	2,518	
0	61	BASEMENT FLOODING DESIGN GROUP 1 -2014 SC		CW	S3	04	-3,075	1,788	1,850	0	0	563	0	563	0	0	0	0	563	0	0	0	0	0	563	
0	62	BASEMENT FLOODING DESIGNH GROUP 2 - 2014 SC		CW	S3	04	-900	-1,100	-500	500	25	-1,975	0	-1,975	0	0	0	0	-1,975	0	0	0	0	0	-1,975	
0	63	BASEMENT FLOODING RELIEF GROUP 1 -2014 SC		CW	S3	04	-22,432	11,635	15,000	0	0	4,203	0	4,203	0	0	0	0	4,203	0	0	0	0	0	4,203	



CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS000442 BASEMENT FLOODING RELIEF</u>																							
0	64	ROAD RESTORATION FOR BSMT FLDG -2014 SC	CW	S3	04	-2,321	-2,228	0	0	0	-4,549	0	-4,549	0	0	0	0	-4,549	0	0	0	0	-4,549
0	65	BASEMENT FLOODING RELIEF -TUNNEL PROJECT -2014 SC	CW	S3	04	-32,553	10,000	32,000	37,000	40,500	86,947	30,000	116,947	0	0	0	0	116,947	0	0	0	0	116,947
1	1	BASEMENT FLOODING RELIEF - BACKFLOW GRANTS	CW	S2	04	2,500	2,500	2,500	2,500	2,500	12,500	10,000	22,500	0	0	0	0	22,500	0	0	0	0	22,500
Sub-total						61,256	81,610	105,292	102,374	52,525	403,057	65,500	468,557	0	0	0	0	468,557	0	0	0	0	468,557
<u>WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &amp;</u>																							
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	500	4,000	4,000	3,000	0	11,500	0	11,500	0	0	0	0	11,500	0	0	0	0	11,500
0	6	HCTP BLDG REHAB & IMPROVEMENTS - 2014 SC	CW	S3	03	998	-500	0	0	0	498	0	498	0	0	0	0	498	0	0	0	0	498
Sub-total						1,498	3,500	4,000	3,000	0	11,998	0	11,998	0	0	0	0	11,998	0	0	0	0	11,998
<u>WAS906322 W&amp;WW LABORATORIES</u>																							
0	9	LAB EQUIPMENT	CW	S2	03	112	100	0	0	0	212	0	212	0	0	0	0	212	0	0	0	0	212
0	24	LAB EQUIPMENT -2014 SC	CW	S3	03	8	50	0	0	0	58	0	58	0	0	0	0	58	0	0	0	0	58
Sub-total						120	150	0	0	0	270	0	270	0	0	0	0	270	0	0	0	0	270
<u>WAS906328 SWM END OF PIPE FACILITIES</u>																							
0	9	NORTH TORONTO CSO CONSTR	CW	S2	04	5,000	500	0	0	0	5,500	0	5,500	0	0	550	0	4,950	0	0	0	0	5,500
0	11	BONAR CREEK CONSTRUCTION	CW	S4	04	200	800	2,150	5,400	5,250	13,800	2,600	16,400	0	0	1,320	0	15,080	0	0	0	0	16,400
0	12	EARL BALES SWM FACILITY - PHASE 2	CW	S2	04	3,500	1,000	500	0	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	5,000
0	35	EASTERN BEACHES WATER QUALITY IMPROVEMENTS	CW	S2	04	250	0	0	0	0	250	0	250	0	0	25	0	225	0	0	0	0	250
0	49	NORTH TORONTO CSO CONSTR -2014 SC	CW	S3	04	-4,500	2,500	2,500	0	0	500	0	500	0	0	-68	0	568	0	0	0	0	500
0	50	EARL BALES SWM FACILITY - PHASE 2 -2014 SC	CW	S3	04	-3,000	2,000	1,500	0	0	500	0	500	0	0	442	0	58	0	0	0	0	500
0	51	EASTERN BEACHES WATER QUALITY IMPROVEMENTS-2014 SC	CW	S3	04	-250	0	0	0	0	-250	0	-250	0	0	-25	0	-225	0	0	0	0	-250
Sub-total						1,200	6,800	6,650	5,400	5,250	25,300	2,600	27,900	0	0	2,244	0	25,656	0	0	0	0	27,900
<u>WAS906331 SWM SOURCE CONTROL PROG</u>																							
0	9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	150	150	250	150	150	850	0	850	0	0	85	0	765	0	0	0	0	850
0	14	DOWNSPOUT DISCONNECTION PROGRAM -2014 SC	CW	S3	04	0	0	0	0	0	0	0	0	0	0	-85	0	85	0	0	0	0	0
Sub-total						150	150	250	150	150	850	0	850	0	0	0	0	850	0	0	0	0	850

Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

## CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

## Wastewater Program

						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
<u>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</u>																							
0	1	ODOUR CONTROL UPGRADES - PHASE 1 ENG	CW	S2	04	876	510	250	650	100	2,386	5	2,391	0	0	48	0	2,343	0	0	0	0	2,391
0	2	ODOUR CONTROL UPGRADES PHASE 1 CONST	CW	S2	02	20,760	20,000	20,000	9,000	0	69,760	0	69,760	0	0	1,395	0	68,365	0	0	0	0	69,760
0	14	ODOUR CONTROL UPGRADES - PHASE 1 ENG -2014 SC	CW	S3	04	-416	0	230	150	0	-36	0	-36	0	0	141	0	-177	0	0	0	0	-36
0	15	ODOUR CONTROL UPGRADES PHASE 1 CONST -2014 SC	CW	S3	02	-15,760	-5,000	-5,000	6,000	15,000	-4,760	10,000	5,240	0	0	4,640	0	600	0	0	0	0	5,240
Sub-total						5,460	15,510	15,480	15,800	15,100	67,350	10,005	77,355	0	0	6,224	0	71,131	0	0	0	0	77,355
<u>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</u>																							
0	3	PCS-PLANT SRVS	CW	S2	04	1,300	360	30	0	0	1,690	0	1,690	0	0	51	0	1,639	0	0	0	0	1,690
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	43	PCS-PLANT SRVS -2014 SC	CW	S3	04	-170	1,170	20	30	0	1,050	0	1,050	0	0	169	0	881	0	0	0	0	1,050
Sub-total						1,130	1,530	50	30	0	2,740	800	3,540	0	0	220	0	3,320	0	0	0	0	3,540
<u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>																							
0	2	PCS PLANT SERVICES	CW	S2	04	115	213	0	0	0	328	0	328	0	0	7	0	321	0	0	0	0	328
0	19	PCS PLANT SERVICES -2014 SC	CW	S3	04	90	-150	3	0	0	-57	0	-57	0	0	15	0	-72	0	0	0	0	-57
Sub-total						205	63	3	0	0	271	0	271	0	0	22	0	249	0	0	0	0	271
<u>WAS906488 HUMBER T.P. - II YR2004</u>																							
0	2	PCS PLANT SERVICES	CW	S2	04	130	55	0	0	0	185	0	185	0	0	3	0	182	0	0	0	0	185
0	21	PCS PLANT SERVICES -2014 SC	CW	S3	04	-25	125	5	7	0	112	0	112	0	0	20	0	92	0	0	0	0	112
Sub-total						105	180	5	7	0	297	0	297	0	0	23	0	274	0	0	0	0	297
<u>WAS906492 WET WEATHER FLOW MP</u>																							
0	1	SWM INA-EA	CW	S2	04	1,045	615	475	0	0	2,135	0	2,135	0	0	215	0	1,920	0	0	0	0	2,135
0	2	WWFMP - PUBLIC EDUCATION	CW	S2	04	860	500	500	0	0	1,860	0	1,860	0	0	93	0	1,767	0	0	0	0	1,860
0	14	WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN	CW	S2	04	3,107	1,241	0	0	0	4,348	0	4,348	0	0	434	0	3,914	0	0	0	0	4,348
0	15	WWF MONITORING STATIONS	CW	S2	04	0	0	250	250	250	750	0	750	0	0	39	0	711	0	0	0	0	750
0	44	SWM CONVEYANCE 2013	CW	S2	04	2,604	0	0	0	0	2,604	0	2,604	0	0	259	0	2,345	0	0	0	0	2,604
0	51	SWM CONVEYANCE 2014	CW	S4	04	3,461	2,048	0	0	0	5,509	0	5,509	0	0	0	0	5,509	0	0	0	0	5,509

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906492 WET WEATHER FLOW MP																								
0	52	SWM INA-EA -2014 SC CW S3 04				-665	-85	-325	150	150	-775	0	-775	0	0	-105	0	-670	0	0	0	0	0	-775
0	53	WWFMP - PUBLIC EDUCATION -2014 SC CW S3 04				-360	0	0	0	0	-360	0	-360	0	0	27	0	-387	0	0	0	0	0	-360
0	54	WWFMP IMPLEMENTATION-DESIGN&CON ADMIN CW S3 04				-1,807	-141	1,000	500	0	-448	0	-448	0	0	-120	0	-328	0	0	0	0	0	-448
0	55	WWF MONITORING STATIONS -2014 SC CW S3 04				0	0	-250	-250	250	-250	600	350	0	0	49	0	301	0	0	0	0	0	350
0	56	SWM CONVEYANCE 2013 -2014 SC CW S3 04				-354	0	0	0	0	-354	0	-354	0	0	-78	0	-276	0	0	0	0	0	-354
Sub-total						7,891	4,178	1,650	650	650	15,019	600	15,619	0	0	813	0	14,806	0	0	0	0	0	15,619
WAS906495 SEWER ASSET PLANNING																								
0	5	Sewer Asset Planning CW S2 03				1,194	1,000	1,000	0	0	3,194	0	3,194	0	0	0	0	3,194	0	0	0	0	0	3,194
0	7	Sewer System Inspection CW S2 03				9,117	8,000	8,000	9,000	0	34,117	0	34,117	0	0	0	0	34,117	0	0	0	0	0	34,117
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES CW S4 05				150	150	0	0	0	300	0	300	0	0	0	0	300	0	0	0	0	0	300
0	23	Sewer Asset Planning -2014 SC CW S3 03				54	825	-385	0	0	494	0	494	0	0	296	0	198	0	0	0	0	0	494
0	24	Sewer System Inspection -2014 SC CW S3 03				-3,158	3,048	4,000	3,000	12,000	18,890	15,000	33,890	0	0	0	0	33,890	0	0	0	0	0	33,890
Sub-total						7,357	13,023	12,615	12,000	12,000	56,995	15,000	71,995	0	0	296	0	71,699	0	0	0	0	0	71,995
WAS906500 NEW SEWER CONSTRUCTION																								
0	5	NEW SEWERS CW S2 05				1,202	0	0	0	0	1,202	0	1,202	0	0	1,082	0	120	0	0	0	0	0	1,202
0	22	NEW SEWERS -2014 SC CW S3 05				-1,000	1,000	0	0	0	0	0	0	0	0	-334	0	334	0	0	0	0	0	0
Sub-total						202	1,000	0	0	0	1,202	0	1,202	0	0	748	0	454	0	0	0	0	0	1,202
WAS906501 YARD & BUILDING RENOVATION																								
0	2	YARD & BUILDING RENOVATION CW S2 04				100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	10	YARD & BUILDING RENOVATION - 2014 SC CW S3 04				-100	0	0	0	0	-100	0	-100	0	0	0	0	-100	0	0	0	0	0	-100
Sub-total						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAS906735 DIST SEWER REHAB OPS YR2005																								
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES CW S2 03				800	0	0	0	0	800	0	800	0	0	61	0	739	0	0	0	0	0	800
0	15	GROUP 1 SEWAGE PUMPING STATION UPGRADES -2014 SC CW S3 03				-500	188	12	0	0	-300	0	-300	0	0	-21	0	-279	0	0	0	0	0	-300
Sub-total						300	188	12	0	0	500	0	500	0	0	40	0	460	0	0	0	0	0	500

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
0 1	WAS THICKENING AND DEWATERING ENG	CW	S2	03	410	17	10	0	4	441	0	441	0	0	7	0	434	0	0	0	0	0	441	
0 16	WAS THICKENING AND DEWATERING ENG -2014 SC	CW	S3	03	-160	300	303	0	1	444	0	444	0	0	64	0	380	0	0	0	0	0	444	
Sub-total					250	317	313	0	5	885	0	885	0	0	71	0	814	0	0	0	0	0	885	
WAS906742 HUMBER TP YR2005																								
0 6	HEADHOUSE UPGRADES Phase 1	CW	S2	03	10	5	0	0	0	15	0	15	0	0	0	0	15	0	0	0	0	0	15	
0 8	ODOUR CONTROL ENGINEERING	CW	S2	04	982	600	101	0	0	1,683	0	1,683	0	0	16	0	1,667	0	0	0	0	0	1,683	
0 51	ODOUR CONTROL ENGINEERING -2014 SC	CW	S3	04	18	400	320	100	101	939	0	939	0	0	-16	0	955	0	0	0	0	0	939	
0 52	HEADHOUSE UPGRADES Phase 1 - 2014 SC	CW	S3	03	508	15	0	0	0	523	0	523	0	0	44	0	479	0	0	0	0	0	523	
Sub-total					1,518	1,020	421	100	101	3,160	0	3,160	0	0	44	0	3,116	0	0	0	0	0	3,160	
WAS906743 ASHRIDGES BAY TP YR2005																								
0 1	Process & Equip Upgrades	CW	S2	03	450	165	540	830	0	1,985	0	1,985	0	0	59	0	1,926	0	0	0	0	0	1,985	
0 48	Process & Equip Upgrades -2014 SC	CW	S3	03	-310	315	-218	-372	82	-503	0	-503	0	0	61	0	-564	0	0	0	0	0	-503	
0 49	M & T Retrofit -2014 SC	CW	S3	03	-10	753	0	0	0	743	0	743	0	0	0	0	743	0	0	0	0	0	743	
0 50	SERVICE AIR UPGRADES -2014 SC	CW	S3	03	-4,750	2,790	2,674	550	617	1,881	0	1,881	0	0	0	0	1,881	0	0	0	0	0	1,881	
1 4	M & T IMPROVEMENTS (EQUIPMENT)	CW	S2	03	1,827	0	0	0	0	1,827	0	1,827	0	0	0	0	1,827	0	0	0	0	0	1,827	
1 7	SERVICE AIR UPGRADES	CW	S2	03	7,150	1,210	176	0	0	8,536	0	8,536	0	0	0	0	8,536	0	0	0	0	0	8,536	
Sub-total					4,357	5,233	3,172	1,008	699	14,469	0	14,469	0	0	120	0	14,349	0	0	0	0	0	14,469	
WAS906755 WESTERN BEACHES RETROFIT																								
0 1	WESTERN BEACHES RETROFIT	CW	S2	03	1,000	4,000	200	0	0	5,200	0	5,200	0	0	0	0	5,200	0	0	0	0	0	5,200	
0 9	WESTERN BEACHES RETROFIT -2014 SC	CW	S3	03	-200	-1,450	2,350	0	0	700	0	700	0	0	474	0	226	0	0	0	0	0	700	
Sub-total					800	2,550	2,550	0	0	5,900	0	5,900	0	0	474	0	5,426	0	0	0	0	0	5,900	
WAS906926 OPERATIONAL SUPPORT																								
0 1	DIVISIONAL SECURITY	CW	S2	04	814	0	0	0	0	814	0	814	0	0	0	0	814	0	0	0	0	0	814	
0 7	RENOVATION - MERTON STREET	CW	S2	04	3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3	
0 17	Designated Substance Abatement	CW	S2	02	173	0	0	0	0	173	0	173	0	0	0	0	173	0	0	0	0	0	173	

Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

## CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

## Wastewater Program

						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>Sub- Priority</u>	<u>Project No. SubProj No.</u>	<u>Project Name Sub-project Name</u>	<u>Ward</u>	<u>Stat.</u>	<u>Cat.</u>																			
<u>WAS906926 OPERATIONAL SUPPORT</u>																								
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	3,000	4,000	5,000	5,000	4,500	21,500	0	21,500	0	0	0	0	21,500	0	0	0	0	0	21,500
0	82	FACILITY RENOVATION -2014 SC	CW	S3	04	800	1,000	0	0	0	1,800	0	1,800	0	0	0	0	1,800	0	0	0	0	0	1,800
0	83	WWTP PLC PLATFORM UPGRADE -2014 SC	CW	S3	04	-1,000	-800	-500	0	-200	-2,500	500	-2,000	0	0	0	0	-2,000	0	0	0	0	0	-2,000
0	84	HAND HELD DEVICES - UPDATED - 2014 SC	CW	S3	04	-150	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	85	DIVISIONAL SECURITY - 2014 SC	CW	S3	04	-164	0	0	0	0	-164	0	-164	0	0	0	0	-164	0	0	0	0	0	-164
0	86	RENOVATION - MERTON STREET - 2014 SC	CW	S3	04	0	3	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
0	87	Designated Substance Abatement - 2014 SC	CW	S3	02	-73	0	0	0	0	-73	0	-73	0	0	0	0	-73	0	0	0	0	0	-73
Sub-total						3,553	4,353	4,500	5,000	4,300	21,706	500	22,206	0	0	0	0	22,206	0	0	0	0	0	22,206
<u>WAS906958 SEWER SYSTEM REHABILITATION</u>																								
0	2	Group 2 & 3 Sewage P.S. Upgrades	CW	S2	03	14	31	0	0	0	45	0	45	0	0	3	0	42	0	0	0	0	0	45
0	5	CCTV Inspection	CW	S2	03	1,123	1,000	0	0	0	2,123	0	2,123	0	0	0	0	2,123	0	0	0	0	0	2,123
0	6	LATERAL REHAB	CW	S2	03	399	0	0	0	0	399	0	399	0	0	0	0	399	0	0	0	0	0	399
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	1,202	315	13	12	0	1,542	0	1,542	0	0	0	0	1,542	0	0	0	0	0	1,542
0	9	SEWER REHABILITATION	CW	S2	03	18,873	30,000	0	0	0	48,873	0	48,873	0	0	0	0	48,873	0	0	0	0	0	48,873
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	1,925	0	0	0	0	1,925	0	1,925	0	0	0	0	1,925	0	0	0	0	0	1,925
0	24	GROUP 5 SEWAGE PUMPING STATION CAPACITY UPGRADES	CW	S2	05	3,675	0	1,700	1,800	1,700	8,875	0	8,875	0	0	666	0	8,209	0	0	0	0	0	8,875
0	60	Group 2 & 3 Sewage P.S. Upgrades -2014 SC	CW	S3	03	-8	3	0	0	0	-5	0	-5	0	0	0	0	-5	0	0	0	0	0	-5
0	61	CCTV Inspection -2014 SC	CW	S3	03	-223	0	1,000	0	0	777	0	777	0	0	0	0	777	0	0	0	0	0	777
0	62	LATERAL REHAB -2014 SC	CW	S3	03	396	0	0	0	0	396	0	396	0	0	0	0	396	0	0	0	0	0	396
0	63	SPS SCADA UPGRADES - ENGINEERING -2014 SC	CW	S3	04	-587	285	0	0	0	-302	0	-302	0	0	99	0	-401	0	0	0	0	0	-302
0	64	SEWER REHABILITATION -2014 SC	CW	S3	03	3,287	-2,039	37,700	37,700	0	76,648	0	76,648	0	0	0	0	76,648	0	0	0	0	0	76,648
0	65	SEWAGE PUMPING STATION STANDBY POWER -2014 SC	CW	S3	02	-585	810	0	0	0	225	0	225	0	0	173	0	52	0	0	0	0	0	225

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906958 SEWER SYSTEM REHABILITATION																							
0	66	GROUP 5 SEWAGE PS CAPACITY UPGRADES -2014 SC	CW	S3	05	-3,350	3,250	4,550	3,450	2,320	10,220	20	10,240	0	0	874	0	9,366	0	0	0	0	10,240
Sub-total						26,141	33,655	44,963	42,962	4,020	151,741	20	151,761	0	0	1,815	0	149,946	0	0	0	0	151,761
WAS906960 STREAM RESTORATION & EROSION CONTRC																							
0	1	HIGHLAND CREEK STREAM RESTORATION	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	100	0	900	0	0	0	0	1,000
0	7	STREAM RESTORATION	CW	S2	03	4,788	7,500	0	0	0	12,288	0	12,288	0	0	1,228	0	11,060	0	0	0	0	12,288
0	26	STREAM RESTORATION-CRITICAL LOCATIONS	CW	S2	03	500	0	0	0	0	500	0	500	0	0	50	0	450	0	0	0	0	500
0	31	HIGHLAND CREEK STREAM RESTORATION -2014 SC	CW	S3	04	40	1,000	0	0	0	1,040	0	1,040	0	0	64	0	976	0	0	0	0	1,040
0	32	STREAM RESTORATION -2014 SC	CW	S3	03	1,712	0	5,370	2,500	310	9,892	950	10,842	0	0	634	0	10,208	0	0	0	0	10,842
0	33	STREAM RESTORATION-CRITICAL LOCATIONS -2014 SC	CW	S3	03	0	500	0	0	0	500	0	500	0	0	-50	0	550	0	0	0	0	500
Sub-total						8,040	9,000	5,370	2,500	310	25,220	950	26,170	0	0	2,026	0	24,144	0	0	0	0	26,170
WAS906964 CONVEYANCE CONTROLS - REPLC & REHAB																							
0	9	2008 STORM SEWER REHABILITATION	CW	S2	03	18	0	0	0	0	18	0	18	0	0	0	0	18	0	0	0	0	18
0	18	COATSWORTH CUT - PHASE 1 CONSTRUCTION	CW	S2	04	43	110	110	110	0	373	0	373	0	0	37	0	336	0	0	0	0	373
0	26	COATSWORTH CUT - PHASE 1 CONSTRUCTION -2014 SC	CW	S3	04	0	-90	-110	-110	0	-310	0	-310	0	0	-37	0	-273	0	0	0	0	-310
0	27	2008 STORM SEWER REHABILITATION - 2014 SC	CW	S3	03	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	4
Sub-total						65	20	0	0	0	85	0	85	0	0	0	0	85	0	0	0	0	85
WAS906966 SWM TRCA FUNDING																							
0	17	TRCA FUNDING - 2014 SC	CW	S3	04	3,970	0	0	0	0	3,970	0	3,970	0	0	320	0	3,650	0	0	0	0	3,970
Sub-total						3,970	0	0	0	0	3,970	0	3,970	0	0	320	0	3,650	0	0	0	0	3,970
WAS906968 ENGINEERING																							
0	2	CONSULTING FEES	CW	S2	03	2,928	2,000	0	0	0	4,928	0	4,928	0	0	0	0	4,928	0	0	0	0	4,928
0	31	ROAD RESTORATION	CW	S2	03	1,118	0	0	0	0	1,118	0	1,118	0	0	0	0	1,118	0	0	0	0	1,118
0	51	CONSULTING FEES-2014 SC	CW	S3	03	27	3,298	6,874	5,912	5,445	21,556	9,176	30,732	0	0	0	0	30,732	0	0	0	0	30,732
0	52	ECS SALARIES	CW	S4	03	12,033	0	0	0	0	12,033	0	12,033	0	0	0	0	12,033	0	0	0	0	12,033

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	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	53	ROAD RESTORATION - 2014 SC		CW	S3	03	1,534	0	0	0	0	1,534	0	1,534	0	0	0	0	1,534	0	0	0	0	1,534
Sub-total						17,640	5,298	6,874	5,912	5,445	41,169	9,176	50,345	0	0	0	0	50,345	0	0	0	0	0	50,345
<u>WAS906973 SEWER REPLACEMENT PROGRAM</u>																								
0	24	SEWAGE FORCEMAIN REPLACEMENT		CW	S2	03	4,243	0	0	0	0	4,243	0	4,243	0	0	0	0	4,243	0	0	0	0	4,243
0	25	SEWER REPLACEMENT 2012		CW	S2	03	1,700	0	0	0	0	1,700	0	1,700	0	0	170	0	1,530	0	0	0	0	1,700
0	35	SEWER REPLACMENT - 2013 PROGRAM		CW	S2	03	16,748	0	0	0	0	16,748	0	16,748	0	0	0	0	16,748	0	0	0	0	16,748
0	36	SEWER REPLACEMENT -2014		CW	S4	03	13,132	6,596	2,000	0	0	21,728	0	21,728	0	0	0	0	21,728	0	0	0	0	21,728
0	44	COXWELL TRUNK EMERGENCY REPAIR		CW	S2	03	1,747	1,541	0	0	0	3,288	0	3,288	0	0	0	0	3,288	0	0	0	0	3,288
0	46	WATERFRONT STORMWATER INFRASTRUCTURE		CW	S2	04	11,750	0	0	0	0	11,750	0	11,750	0	0	4,860	0	6,890	0	0	0	0	11,750
0	47	WATERFRONT SANITARY SERVICING INFRASTRUCTURE		CW	S2	04	16,020	0	0	0	0	16,020	0	16,020	0	0	10,480	0	5,540	0	0	0	0	16,020
0	48	SEWER REPLACEMENT 2012 -2014 SC		CW	S3	03	-1,059	2,122	0	0	0	1,063	0	1,063	0	0	-170	0	1,233	0	0	0	0	1,063
0	49	SEWER REPLACMENT - 2013 PROGRAM -2014 SC		CW	S3	03	-9,278	4,522	0	0	0	-4,756	0	-4,756	0	0	965	0	-5,721	0	0	0	0	-4,756
0	52	SEWER REPLACEMENT - METROLINX		CW	S4	03	50	2,195	1,608	1,096	603	5,552	0	5,552	0	0	0	0	5,552	0	0	0	0	5,552
0	54	SEWAGE FORCEMAIN REPLACEMENT - 2014 SC		CW	S3	03	-3,243	1,000	0	0	0	-2,243	0	-2,243	0	0	0	0	-2,243	0	0	0	0	-2,243
0	55	SEWER REPLACEMENT - LESLIE ST		CW	S4	03	10,000	0	0	0	0	10,000	0	10,000	0	0	0	0	10,000	0	0	0	0	10,000
0	56	COXWELL TRUNK EMERGENCY REPAIR - 2014 SC		CW	S3	03	-747	0	0	0	0	-747	0	-747	0	0	0	0	-747	0	0	0	0	-747
Sub-total						61,063	17,976	3,608	1,096	603	84,346	0	84,346	0	0	16,305	0	68,041	0	0	0	0	84,346	
<u>WAS906980 ASHBRIDGES BAY T.P. YR2006</u>																								
0	8	MEDIATION AGREEMENT IMPLEMENTATION - PART 2		CW	S2	04	45	25	0	0	0	70	0	70	0	0	3	0	67	0	0	0	0	70
0	9	DEWATERING EQUIPMENT UPGRADES		CW	S2	03	2,580	143	10	0	0	2,733	0	2,733	0	0	81	0	2,652	0	0	0	0	2,733
0	34	MEDIATION AGREEMENT IMPLEMENTATION-PART 2 -2014 SC		CW	S3	04	-20	0	0	0	0	-20	0	-20	0	0	1	0	-21	0	0	0	0	-20
0	35	DEWATERING EQUIPMENT UPGRADES -2014 SC		CW	S3	03	-1,780	1,467	2,216	0	0	1,903	0	1,903	0	0	292	0	1,611	0	0	0	0	1,903
Sub-total						825	1,635	2,226	0	0	4,686	0	4,686	0	0	377	0	4,309	0	0	0	0	0	4,686
<u>WAS906981 HIGHLAND CREEK WWTP UPGRADES</u>																								
0	1	PROCESS & FACILITY UPGRADE		CW	S2	04	3,095	850	810	240	0	4,995	0	4,995	0	0	0	0	4,995	0	0	0	0	4,995

CITY OF TORONTO

Gross Expenditures (\$000's)  
Appendix 4: 2014 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												
							2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WAS906981 HIGHLAND CREEK WWTP UPGRADES																									
0	3	BIOSOLIDS TREATMENT UPGRADES			CW	S2	03	25,530	21,007	20,700	14,021	30	81,288	0	81,288	0	0	1,625	0	79,663	0	0	0	0	81,288
0	5	TRANSFORMERS AND SWITCHGEAR			CW	S2	05	0	0	1,000	1,250	1,690	3,940	1,200	5,140	0	0	0	0	5,140	0	0	0	0	5,140
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING			CW	S2	03	1,452	685	0	0	0	2,137	0	2,137	0	0	0	0	2,137	0	0	0	0	2,137
0	8	DIGESTER GAS SYSTEM UPGRADES			CW	S2	03	1,830	4,950	4,680	50	0	11,510	0	11,510	0	0	0	0	11,510	0	0	0	0	11,510
0	16	MECH SYSTEMS UPGRADES - CONSTR			CW	S2	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	1,200
0	23	ELECTRICAL UPGRADES-ECAR			CW	S2	03	2,430	2,381	9,065	0	0	13,876	0	13,876	0	0	0	0	13,876	0	0	0	0	13,876
0	31	ELEC SYSTEM UPGRADES - CONSTR			CW	S2	03	3,500	0	0	0	0	3,500	0	3,500	0	0	0	0	3,500	0	0	0	0	3,500
0	32	CEPA COMPLIANCE -HCTP - 2014 SC			CW	S3	02	200	2,000	300	0	0	2,500	0	2,500	0	0	0	0	2,500	0	0	0	0	2,500
0	72	PROCESS & FACILITY UPGRADE -2014 SC			CW	S3	04	-795	1,930	513	370	620	2,638	1,079	3,717	0	0	0	0	3,717	0	0	0	0	3,717
0	73	BIOSOLIDS TREATMENT UPGRADES -2014 SC			CW	S3	03	-18,772	-10,115	-50	6,060	9,120	-13,757	30	-13,727	0	0	3,838	0	-17,565	0	0	0	0	-13,727
0	74	TRANSFORMERS AND SWITCHGEAR -2014 SC			CW	S3	05	0	0	0	0	0	0	0	0	0	0	414	0	-414	0	0	0	0	0
0	75	MECH & ELECTRICAL UPGRADE ENGINEERING -2014 SC			CW	S3	03	-1,027	782	57	0	0	-188	0	-188	0	0	0	0	-188	0	0	0	0	-188
0	76	MECH SYSTEMS UPGRADES - CONSTR -2014 SC			CW	S3	03	-1,000	1,031	0	0	0	31	0	31	0	0	0	0	31	0	0	0	0	31
0	77	ELEC SYSTEM UPGRADES - CONSTR -2014 SC			CW	S3	03	-1,800	1,076	0	0	0	-724	0	-724	0	0	0	0	-724	0	0	0	0	-724
0	78	DIGESTER GAS SYSTEM UPGRADES -2014 SC			CW	S3	03	-1,630	-3,280	270	4,630	50	40	0	40	0	0	0	0	40	0	0	0	0	40
0	79	ELECTRICAL UPGRADES-ECAR -2014 SC			CW	S3	03	-218	-41	-5,930	590	2,720	-2,879	4,800	1,921	0	0	0	0	1,921	0	0	0	0	1,921
0	82	DIGESTERS CLEANING REHAB 10 YEAR PLAN			CW	S4	03	1,600	2,000	0	0	0	3,600	0	3,600	0	0	0	0	3,600	0	0	0	0	3,600
0	83	PLANT FIRM CAPACITY - CONCEPT DESIGN			CW	S4	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400
Sub-total							15,995	25,256	31,415	27,211	14,230	114,107	7,109	121,216	0	0	5,877	0	115,339	0	0	0	0	0	121,216
WAS906982 HUMBER WWTP UPGRADES																									
0	1	BUILDING UPGRADE ENGINEERING			CW	S2	03	34	0	0	0	0	34	0	34	0	0	0	0	34	0	0	0	0	34
0	2	Chlorine Building Upgrade			CW	S2	01	5,226	36	0	0	0	5,262	0	5,262	0	0	0	0	5,262	0	0	0	0	5,262
0	5	FLOOD PROTECTION			CW	S2	02	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	150
0	6	NEW SUBSTATION			CW	S2	03	7,934	0	0	0	0	7,934	0	7,934	0	0	0	0	7,934	0	0	0	0	7,934



Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

## CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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										
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	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	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	3,842	4,000	4,750	2,000	2,700	17,292	5,300	22,592	0	0	0	0	22,592	0	0	0	0	22,592
0	8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	CW	S2	01	1,490	0	0	0	0	1,490	0	1,490	0	0	0	0	1,490	0	0	0	0	1,490
0	20	BLDG & GROUNDS UPGRADE	CW	S2	03	320	376	0	0	0	696	0	696	0	0	0	0	696	0	0	0	0	696
0	29	ADMIN BUILDING EXPANSION	CW	S4	04	100	250	400	0	0	750	0	750	0	0	0	0	750	0	0	0	0	750
0	52	HVAC UPGRADES	CW	S2	03	1,146	210	0	0	0	1,356	0	1,356	0	0	0	0	1,356	0	0	0	0	1,356
0	62	Chlorine Building Upgrade -2014 SC	CW	S3	01	-826	2,230	25	25	0	1,454	0	1,454	0	0	0	0	1,454	0	0	0	0	1,454
0	63	ELECTRICAL CONDITION ASSESSMENT REC -2014 SC	CW	S3	01	-2,167	-1,871	-1,225	425	-450	-5,288	-1,800	-7,088	0	0	0	0	-7,088	0	0	0	0	-7,088
0	64	NEW SUBSTATION -2014 SC	CW	S3	03	-4,971	2,080	3,015	0	0	124	0	124	0	0	0	0	124	0	0	0	0	124
0	65	BLDG & GROUNDS UPGRADE -2014 SC	CW	S3	03	-320	-376	0	0	0	-696	0	-696	0	0	0	0	-696	0	0	0	0	-696
0	66	HVAC UPGRADES -2014 SC	CW	S3	03	-546	3,290	1,620	20	10	4,394	0	4,394	0	0	0	0	4,394	0	0	0	0	4,394
0	70	FLOOD PROTECTION - 2014 SC	CW	S3	02	0	250	0	0	0	250	0	250	0	0	0	0	250	0	0	0	0	250
0	71	BUILDING UPGRADE ENGINEERING - 2014 SC	CW	S3	03	218	0	0	0	0	218	0	218	0	0	0	0	218	0	0	0	0	218
0	72	NEW GROUNDSKEEPING BDLG & RAS CONTROL - 2014 SC	CW	S3	01	-40	350	0	0	0	310	0	310	0	0	0	0	310	0	0	0	0	310
Sub-total						11,590	10,825	8,585	2,470	2,260	35,730	3,500	39,230	0	0	0	0	39,230	0	0	0	0	39,230
<u>WAS906994 HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HA</u>																							
0	1	HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING	CW	S2	04	1,911	5,000	4,200	3,000	3,000	17,111	4,300	21,411	0	0	428	0	20,983	0	0	0	0	21,411
0	3	WAS THICKENING AND DEWATERING CONSTR	CW	S2	03	4,733	0	16	0	0	4,749	0	4,749	0	0	95	0	4,654	0	0	0	0	4,749
0	11	WAS THICKENING AND DEWATERING CONSTR -2014 SC	CW	S3	03	-3,083	3,000	4,031	0	0	3,948	0	3,948	0	0	606	0	3,342	0	0	0	0	3,948
0	12	HCTP - BIOSOLIDS IMPLEMENTATION - ENG -2014 SC	CW	S3	04	-711	-700	-1,200	0	0	-2,611	-1,800	-4,411	0	0	939	0	-5,350	0	0	0	0	-4,411
Sub-total						2,850	7,300	7,047	3,000	3,000	23,197	2,500	25,697	0	0	2,068	0	23,629	0	0	0	0	25,697
<u>WAS907038 Land Acquisition for Source Water Protect</u>																							
0	3	EROSION PROTECTION & LAND ACQUISITION	CW	S2	04	2,000	2,000	0	0	0	4,000	0	4,000	0	0	0	0	4,000	0	0	0	0	4,000
0	11	EROSION PROTECTION & LAND ACQUISITION -2014 SC	CW	S3	04	5,000	5,000	0	0	0	10,000	0	10,000	0	0	1,128	0	8,872	0	0	0	0	10,000

CITY OF TORONTO

Gross Expenditures (\$000's)  
Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater 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.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Priority	SubProj No.	Sub-project Name																					
WAS907038	Land Acquisition for Source Water Protection																						
0	12	Scarborough EA	CW	S4	04	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	1,500	0	0	0	0	1,500
Sub-total					8,500	7,000	0	0	0	15,500	0	15,500	0	0	1,128	0	14,372	0	0	0	0	0	15,500
WAS907097	ASHBRIDGES BAY WWTP - BUILDING SERVICE																						
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	1,020	1,300	2,500	2,200	1,000	8,020	50	8,070	0	0	0	0	8,070	0	0	0	0	8,070
0	21	BLOWER BLDG AND OLD NORTH SUBSTAION IMPROVEMENTS	CW	S2	04	0	0	700	1,760	1,950	4,410	1,105	5,515	0	0	0	0	5,515	0	0	0	0	5,515
0	45	CONTROLLED SUBSTANCE IDENTIFICATION - 2014 SC	CW	S3	02	0	270	0	0	0	270	0	270	0	0	0	0	270	0	0	0	0	270
0	46	CITY IMPROVEMENTS RE: TH COGEN -2014 SC	CW	S3	04	-870	-400	-1,200	300	1,200	-970	1,000	30	0	0	0	0	30	0	0	0	0	30
0	49	BLOWER BLDG & OLD NORTH SUBSTAION IMPROV - 2014 SC	CW	S3	04	700	1,950	2,105	-1,700	-1,950	1,105	-1,105	0	0	0	0	0	0	0	0	0	0	0
Sub-total					1,120	3,120	4,105	2,560	2,200	13,105	1,050	14,155	0	0	0	0	14,155	0	0	0	0	0	14,155
WAS907098	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM																						
0	1	ABTP DISINFECTION ENGINEERING	CW	S2	02	4,498	5,260	4,000	4,000	1,720	19,478	20	19,498	0	0	586	0	18,912	0	0	0	0	19,498
0	13	ABTP OUTFALL ASSESSMENT	CW	S2	02	688	0	0	0	0	688	0	688	0	0	20	0	668	0	0	0	0	688
0	19	ABTP DISINFECTION ENGINEERING -2014 SC	CW	S3	02	-3,498	-3,611	-500	410	-110	-7,309	1,119	-6,190	0	0	486	0	-6,676	0	0	0	0	-6,190
0	20	ABTP OUTFALL ASSESSMENT -2014 SC	CW	S3	02	-475	1,300	0	0	0	825	0	825	0	0	102	0	723	0	0	0	0	825
Sub-total					1,213	2,949	3,500	4,410	1,610	13,682	1,139	14,821	0	0	1,194	0	13,627	0	0	0	0	0	14,821
WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREATMENT																						
0	1	FINE BUBBLE AERATION IMPLEMENTATION	CW	S2	03	12,450	4,000	0	0	0	16,450	0	16,450	0	0	494	0	15,956	0	0	0	0	16,450
0	3	PRIMARY TREATMENT UPGRADE CONT #1	CW	S2	03	37,680	35,200	30,200	29,200	0	132,280	0	132,280	0	0	3,969	0	128,311	0	0	0	0	132,280
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S4	03	1,200	4,500	2,670	0	0	8,370	0	8,370	0	0	0	0	8,370	0	0	0	0	8,370
0	7	Primary and Secondary Tanks Rehabilitation	CW	S2	03	414	0	0	0	0	414	4,618	5,032	0	0	156	0	4,876	0	0	0	0	5,032
0	10	INTERGRATED PUMPING STATION - ENGINEERING	CW	S2	03	4,144	9,955	4,005	3,000	3,000	24,104	11,000	35,104	0	0	1,053	0	34,051	0	0	0	0	35,104
0	12	WORK AREA 1 REHAB	CW	S2	03	20	20	0	0	0	40	0	40	0	0	0	0	40	0	0	0	0	40
0	13	WORK AREA 5 REHAB	CW	S2	03	400	0	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	400
0	39	INTEGRATED PUMPING STATION - CONSTRUCTION	CW	S2	03	3,500	0	0	0	0	3,500	0	3,500	0	0	105	0	3,395	0	0	0	0	3,500

Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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											
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT</u>																								
0	45	WORK AREA 1 REHAB-2014 SC	CW	S3	03	175	-18	0	0	0	157	0	157	0	0	0	0	157	0	0	0	0	0	157
0	46	WORK AREA 5 REHAB-2014 SC	CW	S3	03	-400	0	0	0	0	-400	0	-400	0	0	0	0	-400	0	0	0	0	0	-400
0	51	FINE BUBBLE AERATION IMPLEMENTATION -2014 SC	CW	S3	03	-10,000	5,500	8,000	0	0	3,500	0	3,500	0	0	1,112	0	2,388	0	0	0	0	0	3,500
0	52	INTEGRATED PUMPING STATION - ENGINEERING -2014 SC	CW	S3	03	-2,236	-5,455	3,045	4,050	4,000	3,404	10,233	13,637	0	0	-1,053	0	14,690	0	0	0	0	0	13,637
0	53	PRIMARY TREATMENT UPGRADE CONT #1 -2014 SC	CW	S3	03	-16,980	-9,225	-200	4,300	28,000	5,895	0	5,895	0	0	7,150	0	-1,255	0	0	0	0	0	5,895
0	54	INTEGRATED PUMPING STATION - CONS -2014 SC	CW	S3	03	-3,500	0	10,000	35,000	45,000	86,500	235,000	321,500	0	0	-105	0	321,605	0	0	0	0	0	321,500
0	55	Primary and Secondary Tanks Rehab -2014 SC	CW	S3	03	1,486	1,100	100	0	0	2,686	-4,618	-1,932	0	0	95	0	-2,027	0	0	0	0	0	-1,932
Sub-total						28,353	45,577	57,820	75,550	80,000	287,300	256,233	543,533	0	0	12,976	0	530,557	0	0	0	0	0	543,533
<u>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</u>																								
0	3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	3,760	2,800	2,200	2,000	2,000	12,760	4,100	16,860	0	0	506	0	16,354	0	0	0	0	0	16,860
0	4	DIGESTERS 9-12 REFURBISHMENT	CW	S2	03	5,320	13,510	12,310	40	30	31,210	0	31,210	0	0	935	0	30,275	0	0	0	0	0	31,210
0	8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	400	400	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0	25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	1,480	0	0	0	0	1,480	0	1,480	0	0	0	0	1,480	0	0	0	0	0	1,480
0	28	DIGESTERS 9-12 REFURBISHMENT -2014 SC	CW	S3	03	-4,670	-13,160	-1,310	10,970	8,280	110	70	180	0	0	1,590	0	-1,410	0	0	0	0	0	180
0	29	WASTE ACTIVATED SLUDGE UPGRADE - ENG -2014 SC	CW	S3	03	-1,760	-300	1,800	500	0	240	0	240	0	0	870	0	-630	0	0	0	0	0	240
0	30	PELLETIZER TRUCK LOADING FACILITY UPGRADE -2014 SC	CW	S3	03	-930	1,000	0	0	0	70	0	70	0	0	0	0	70	0	0	0	0	0	70
Sub-total						3,600	4,250	15,000	13,510	10,310	46,670	4,170	50,840	0	0	3,901	0	46,939	0	0	0	0	0	50,840
<u>WAS907101 ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</u>																								
0	5	PROCESS & EQUIP UPGRADES	CW	S2	03	46	0	0	0	0	46	0	46	0	0	0	0	46	0	0	0	0	0	46
0	6	MESI UPGRADES	CW	S2	03	2,311	0	0	0	0	2,311	0	2,311	0	0	0	0	2,311	0	0	0	0	0	2,311
0	7	MISC MECH REHAB	CW	S2	03	6,216	4,000	0	0	0	10,216	0	10,216	0	0	0	0	10,216	0	0	0	0	0	10,216
0	18	MISC MECH REHAB -2014 SC	CW	S3	03	-4,877	1,500	5,000	0	0	1,623	0	1,623	0	0	0	0	1,623	0	0	0	0	0	1,623
0	19	Process & Equip Upgrades -2014 SC	CW	S3	03	23	69	0	0	0	92	0	92	0	0	0	0	92	0	0	0	0	0	92



Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 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												
						2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u>																									
0	1	SPS UPGRADES			CW	S2	02	9,072	4,800	5,030	2,990	1,094	22,986	0	22,986	0	0	1,724	0	21,262	0	0	0	0	22,986
0	2	SCOTT STREET PS UPGRADES			CW	S2	05	5	0	0	0	0	5	0	5	0	0	0	5	0	0	0	0	0	5
0	4	SUNNYSIDE AND MARYPORT SPS UPGRADES			CW	S2	03	1,511	0	0	0	0	1,511	0	1,511	0	0	114	0	1,397	0	0	0	0	1,511
0	19	SCOTT STREET PS UPGRADES -2014 SC			CW	S3	05	15	20	0	0	0	35	0	35	0	0	4	0	31	0	0	0	0	35
0	20	SUNNYSIDE AND MARYPORT SPS UPGRADES -2014 SC			CW	S3	03	1,024	202	2	0	0	1,228	0	1,228	0	0	106	0	1,122	0	0	0	0	1,228
0	21	SPS UPGRADES -2014 SC			CW	S3	02	-2,372	420	-2,980	-2,590	-1,094	-8,616	0	-8,616	0	0	-568	0	-8,048	0	0	0	0	-8,616
Sub-total						9,255	5,442	2,052	400	0	17,149	0	17,149	0	0	1,380	0	15,769	0	0	0	0	0	17,149	
<u>WAS907559 DON &amp; WATERFRONT TRUNK CSO</u>																									
0	1	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN			CW	S2	04	3,440	3,000	3,000	3,000	1,800	14,240	5,400	19,640	0	0	1,964	0	17,676	0	0	0	0	19,640
0	9	DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN -2014 SC			CW	S3	04	-1,608	3,589	8,347	7,347	8,547	26,222	11,400	37,622	0	0	2,644	0	34,978	0	0	0	0	37,622
Sub-total						1,832	6,589	11,347	10,347	10,347	40,462	16,800	57,262	0	0	4,608	0	52,654	0	0	0	0	0	57,262	
<u>WAS907700 NORTH TORONTO WTP UPGRADES</u>																									
0	2	NTPP-ELECTRICAL UPGRADES			CW	S2	01	1,750	1,500	0	0	0	3,250	0	3,250	0	0	0	0	3,250	0	0	0	0	3,250
0	7	NTPP-ELECTRICAL UPGRADES -2014 SC			CW	S3	01	-983	-585	777	522	253	-16	0	-16	0	0	0	0	-16	0	0	0	0	-16
Sub-total						767	915	777	522	253	3,234	0	3,234	0	0	0	0	3,234	0	0	0	0	0	3,234	
<u>WASWP003 EMERY CREEK POND</u>																									
0	1	EMERY CREEK POND			CW	S2	04	2,258	2,550	550	0	0	5,358	0	5,358	0	0	536	0	4,822	0	0	0	0	5,358
0	12	EMERY CREEK POND -2014 SC			CW	S3	04	152	0	0	0	0	152	0	152	0	0	-93	0	245	0	0	0	0	152
Sub-total						2,410	2,550	550	0	0	5,510	0	5,510	0	0	443	0	5,067	0	0	0	0	0	5,510	
<u>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</u>																									
0	26	REHAB OF SOUTH PRIMARY CLARIFIERS			CW	S2	03	18	0	0	0	0	18	0	18	0	0	0	18	0	0	0	0	0	18
0	30	ABTP - DIG. TANKS #1-8 MODS.			CW	S2	03	10	0	0	0	0	10	0	10	0	0	0	10	0	0	0	0	0	10
0	35	MTI REAL TIME CONTROL			CW	S2	04	2,200	2,000	0	0	0	4,200	0	4,200	0	0	210	0	3,990	0	0	0	0	4,200
0	122	North Primaries Pumping Equipment -2014 SC			CW	S3	03	-904	1,020	1,500	705	0	2,321	0	2,321	0	0	0	0	2,321	0	0	0	0	2,321
0	123	MTI REAL TIME CONTROL -2014 SC			CW	S3	04	-2,000	-2,000	0	2,000	2,000	0	0	0	0	0	-210	0	210	0	0	0	0	0

Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

# CITY OF TORONTO

Gross Expenditures (\$000's)

## Appendix 4: 2014 Council Approved Cash Flow and Future Year Commitments

Wastewater Program																									
Sub- PrioritySubProj No. Sub-project Name Ward Stat. Cat.							Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
							2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATION																									
0	124	ABTP - DIG. TANKS #1-8 MODS. -2014 SC	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10	
0	126	REHAB OF SOUTH PRIMARY CLARIFIERS - 2014 SC	CW	S3	03	-8	0	0	0	0	-8	0	-8	0	0	0	0	-8	0	0	0	0	0	-8	
1	78	North Primaries Pumping Equipment	CW	S2	03	1,424	1,500	830	450	0	4,204	0	4,204	0	0	0	0	4,204	0	0	0	0	0	4,204	
Sub-total							730	2,520	2,330	3,155	2,000	10,735	0	10,735	0	0	0	0	10,735	0	0	0	0	0	10,735
Total Program Expenditure							349,772	424,884	452,786	402,471	252,563	1,882,476	415,365	2,297,841	0	0	76,100	0	2,221,741	0	0	0	0	0	2,297,841

Report Phase 5 - Program 11 Wastewater Program Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

**CITY OF TORONTO**

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

#### Appendix 4: 2014 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									
Sub-Project No.	Project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Financed By:																							
Development Charges					24,566	13,870	14,338	12,121	7,940	72,835	3,265	76,100	0	0	76,100	0	0	0	0	0	0	76,100	
Reserve Funds (Ind."XR" Ref.)					325,206	411,014	438,448	390,350	244,623	1,809,641	412,100	2,221,741	0	0	0	0	2,221,741	0	0	0	0	2,221,741	
Total Program Financing					349,772	424,884	452,786	402,471	252,563	1,882,476	415,365	2,297,841	0	0	76,100	0	2,221,741	0	0	0	0	2,297,841	

Status Code	Description
S2	S2 Prior Year (With 2014 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2014 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**

### **2014 Capital Project with Financing Details**



(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: 2014 Council Approved Capital Project With Financing Details

Water Program  
Sub-Project Summary

## Project/Financing

Priority Project Project Name

Project/Financing			Start Date	Completion Date	2014	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	WAT000004	HORGAN W.T.P. EXPANSION													
0		2 PLANT EXPANSION - DESIGN & CONSTR ADMIN	01/01/2004	12/31/2014	100	0	0	21	0	47	0	0	32	0	0
0		18 SUPERNATANT AND FORCEMAIN INSTALLATION	01/01/2012	12/31/2013	4,098	0	0	864	0	3,234	0	0	0	0	0
0		29 SUPERNATANT AND FORCEMAIN INSTALLATION -2014 SC	01/01/2014	12/31/2023	-1,598	0	0	-65	0	-1,533	0	0	0	0	0
0		30 PLANT EXPANSION - DESIGN & CONSTR ADMIN -2014 SC	01/01/2014	12/31/2023	100	0	0	43	0	25	0	0	32	0	0
0		31 PLANT EXPANSION - CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-4,000	0	0	-722	0	-1,998	0	0	-1,280	0	0
1		5 PLANT EXPANSION - CONSTRUCTION	07/01/2008	12/31/2015	5,115	0	0	1,078	0	2,400	0	0	1,637	0	0
		Project Sub-total:			3,815	0	0	1,219	0	2,175	0	0	421	0	0
0	WAT000014	WATER STORAGE EXPANSION													
0		1 DUFFERIN RES. EXT. - DESIGN AND CONT. ADMIN	01/01/2007	12/31/2015	19	0	0	5	0	14	0	0	0	0	0
0		2 Milliken PS and Reservoir - Engineering	01/01/2007	12/31/2013	25	0	0	5	0	11	0	0	9	0	0
0		5 Dufferin Reservoir Expansion - CONST	01/01/2010	12/31/2013	100	0	0	31	0	69	0	0	0	0	0
0		18 MILLIKEN P.S. CONSTRUCTION	01/01/2009	12/31/2013	100	0	0	0	0	0	0	0	100	0	0
0		28 MILLIKEN PS RESERVOIR EXT .CONSTRUCTION	01/01/2012	12/31/2021	100	0	0	21	0	41	0	0	38	0	0
0		42 DUFFERIN RES. EXT. DESIGN & CONT ADMIN -2014 SC	01/01/2014	12/31/2023	-14	0	0	-2	0	-12	0	0	0	0	0
0		44 Dufferin Reservoir Expansion - CONST -2014 SC	01/01/2014	12/31/2023	-100	0	0	-31	0	-69	0	0	0	0	0
0		45 MILLIKEN PS RESERVOIR EXT .CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-100	0	0	-21	0	-41	0	0	-38	0	0
0		46 MILLIKEN P.S. CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-100	0	0	0	0	0	0	0	-100	0	0
0		47 Milliken PS and Reservoir - Engineering - 2014 SC	01/01/2014	12/31/2023	0	0	0	5	0	-5	0	0	0	0	0
		Project Sub-total:			30	0	0	13	0	8	0	0	9	0	0
0	WAT000018	CLARK RESIDUE MGMT. FACILITIES													
0		24 RESIDUALS RETROFITS & UPGRADES	01/01/2013	12/31/2015	400	0	0	20	0	380	0	0	0	0	0
0		26 RESIDUALS RETROFITS & UPGRADES -2014 SC	01/01/2014	12/31/2023	-200	0	0	-20	0	-180	0	0	0	0	0
		Project Sub-total:			200	0	0	0	0	200	0	0	0	0	0
0	WAT000021	WATER EFFICIENCY PROGRAM													
0		10 ICI INDOOR WATER AUDIT	01/01/2003	12/31/2016	368	0	0	368	0	0	0	0	0	0	0
0		11 PUBLIC EDUCATION & PROMOTIONS	01/01/2003	12/31/2016	198	0	0	99	0	99	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
0		87 PUBLIC EDUCATION & PROMOTIONS -2014 SC	01/01/2014	12/31/2023	-48	0	0	51	0	-99	0	0	0	0	0
0		90 ICI INDOOR WATER AUDIT - 2014 SC	01/01/2014	12/31/2023	-68	0	0	-68	0	0	0	0	0	0	0
		Project Sub-total:			520	0	0	520	0	0	0	0	0	0	0
0	WAT000340	ISLAND PLANT WINTERIZATION													
0		1 PLANT WINTERIZATION & SUMMERIZATION	01/01/2009	12/31/2014	505	0	0	0	0	505	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: 2014 Council Approved Capital Project With Financing Details

## Water Program

## Sub-Project Summary

Project/Financing					2014	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
0	<u>WAT000340</u>	<u>ISLAND PLANT WINTERIZATION</u>													
0	13	PLANT WINTERIZATION & SUMMERIZATION- 2014 SC	01/01/2013	12/31/2022	-335	0	0	0	0	-335	0	0	0	0	0
		<b>Project Sub-total:</b>			170	0	0	0	0	170	0	0	0	0	0
0	<u>WAT000352</u>	<u>WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH</u>													
0	7	JOS WM MARKHAM/SHEPPARD TO BAYVIEW/FINCH	09/14/2003	09/14/2003	316	0	0	0	0	316	0	0	0	0	0
0	18	JOS MARKHAM/SHEPPARD BAYVIEW/FINCH HYDRO -201	01/01/2012	12/31/2021	84	0	0	0	0	84	0	0	0	0	0
		<b>Project Sub-total:</b>			400	0	0	0	0	400	0	0	0	0	0
0	<u>WAT000363</u>	<u>ENGINEERING STUDIES</u>													
0	2	IMPROVED TREATMENT STUDIES	05/01/2007	12/31/2014	20	0	0	0	0	20	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 - 2014 SC	01/08/2008	12/31/2013	50	0	0	0	0	50	0	0	0	0	0
0	38	CORROSION CONTROL	01/01/2011	12/31/2014	7,360	0	0	0	0	7,360	0	0	0	0	0
0	55	CORROSION CONTROL -2014 SC	01/01/2014	12/31/2023	-1,272	0	0	370	0	-1,642	0	0	0	0	0
0	56	IMPROVED TREATMENT STUDIES -2014 SC	01/01/2014	12/31/2023	620	0	0	0	0	620	0	0	0	0	0
		<b>Project Sub-total:</b>			6,978	0	0	370	0	6,608	0	0	0	0	0
0	<u>WAT906334</u>	<u>BUSINESS SYSTEM INFRASTRUCTURE - PW</u>													
0	7	NETWORK EQUIPMENT REPLACEMENT	01/01/2008	12/31/2021	205	0	0	0	0	205	0	0	0	0	0
0	8	NETWORK CABLE LIFECYCLE REPLACEMENT	01/01/2008	12/31/2014	4,490	0	0	0	0	4,490	0	0	0	0	0
0	23	RELIABILITY IMPROVEMENT PROGRAM	01/01/2013	12/31/2022	475	0	0	0	0	475	0	0	0	0	0
0	39	PCS LEGACY ALARM IMPROVEMENT	01/01/2012	12/31/2021	750	0	0	0	0	750	0	0	0	0	0
0	41	BUSINESS & TECH IMPROVEMENT - PHASE 2	01/01/2012	12/31/2014	1,524	0	0	0	0	1,524	0	0	0	0	0
0	42	WTP WS PLC PLATFORM UPGRADE AND PCS IMPROVEM	01/01/2012	12/31/2013	1,610	0	0	0	0	1,610	0	0	0	0	0
0	54	NETWORK EQUIPMENT REPLACEMENT -2014 SC	01/01/2014	12/31/2023	360	0	0	0	0	360	0	0	0	0	0
0	55	NETWORK CABLE LIFECYCLE REPLACEMENT -2014 SC	01/01/2014	12/31/2023	-2,530	0	0	0	0	-2,530	0	0	0	0	0
0	56	RELIABILITY IMPROVEMENT PROGRAM - 2014 SC	01/01/2014	12/31/2023	-275	0	0	0	0	-275	0	0	0	0	0
0	57	BUSINESS & TECH IMPROVEMENT - PHASE 2 -2014 SC	01/01/2014	12/31/2023	1,172	0	0	0	0	1,172	0	0	0	0	0
0	58	WTP WS PLC PLATFORM UPGRADE & PCS IMPROV -2014	01/01/2014	12/31/2023	1,049	0	0	0	0	1,049	0	0	0	0	0
		<b>Project Sub-total:</b>			8,830	0	0	0	0	8,830	0	0	0	0	0
0	<u>WAT906340</u>	<u>METERING &amp; METER READING SYS</u>													
0	2	AUTOMATED METER READING SYSTEM	10/15/2007	12/31/2016	49,957	0	0	0	0	49,957	0	0	0	0	0
0	13	AUTOMATED METER READING SYSTEM - 2014 SC	06/27/2013	06/27/2013	-2,507	0	0	0	0	-2,507	0	0	0	0	0
		<b>Project Sub-total:</b>			47,450	0	0	0	0	47,450	0	0	0	0	0
0	<u>WAT906467</u>	<u>AVENUE ROAD TRUNKMAIN REPLACEMENT</u>													
0	1	AVENUE RD WM ENGINEERING - HI LEVEL TO LAWRENCE	04/01/2008	12/31/2014	112	0	0	0	0	93	0	0	19	0	0



## CITY OF TORONTO

## Appendix 5: 2014 Council Approved Capital Project With Financing Details

Water Program  
Sub-Project Summary

Project/Financing				2014		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
0	WAT906467	AVENUE ROAD TRUNKMAIN REPLACEMENT													
0		2 AVENUE RD WM CONSTRUCTION - HI LEVEL TO LAWRENCE	07/01/2009	06/30/2014	1,500	0	0	19	0	1,201	0	0	280	0	0
0		23 AVENUE RD WM ENG - HI LEVEL TO LAWRENCE -2014 SC	01/01/2014	12/31/2023	23	0	0	68	0	-51	0	0	6	0	0
0		24 AVENUE RD WM CONS - HI LEVEL TO LAWRENCE -2014 SC	01/01/2014	12/31/2023	-1,300	0	0	82	0	-1,139	0	0	-243	0	0
		Project Sub-total:			335	0	0	169	0	104	0	0	62	0	0
0	WAT906468	HORGAN TRUNK MAIN EXPANSION													
0		1 JOS - HORGAN TO ELLESMERE WM - ENGINEERING	01/01/2003	12/31/2018	200	0	0	38	0	97	0	0	65	0	0
0		39 JOS - HORGAN TO ELLESMERE WM - ENG -2014 SC	01/01/2014	12/31/2023	-98	0	0	1	0	-67	0	0	-32	0	0
		Project Sub-total:			102	0	0	39	0	30	0	0	33	0	0
0	WAT906470	ISLAND W.T.P. R&R													
0		8 CHEMICAL & RESIDUALS MNGT - ENG	01/01/2012	12/31/2021	1,150	0	0	58	0	1,092	0	0	0	0	0
0		26 CHEMICAL & RESIDUALS MNGT - ENG -2014 SC	01/01/2014	12/31/2023	-1,000	0	0	-58	0	-942	0	0	0	0	0
		Project Sub-total:			150	0	0	0	0	150	0	0	0	0	0
0	WAT906481	DISTRICT WATERMAINS - NEW													
0		1 DIST W/MAINS NEW	01/01/2004	12/31/2013	500	0	0	296	0	204	0	0	0	0	0
0		12 DIST W/MAINS NEW -2014 SC	01/01/2014	12/31/2023	-306	0	0	-296	0	-10	0	0	0	0	0
		Project Sub-total:			194	0	0	0	0	194	0	0	0	0	0
0	WAT906483	PW ENGINEERING													
0		2 CAPITAL PRGMG & FACILITY ASSET PLANNING	01/01/2004	06/30/2014	1,110	0	0	0	0	1,110	0	0	0	0	0
0		5 WATERMAIN ASSET PLANNING	01/01/2007	12/31/2015	561	0	0	0	0	561	0	0	0	0	0
0		7 EASEMENT ACQUISITION	01/03/2007	12/31/2015	472	0	0	0	0	472	0	0	0	0	0
0		22 WATER LOSS REDUCTION STRATEGY	01/01/2012	12/31/2013	364	0	0	0	0	364	0	0	0	0	0
0		44 WATERMAIN ASSET PLANNING -2014 SC	01/01/2014	12/31/2023	429	0	0	248	0	181	0	0	0	0	0
0		45 JOS UPDATE - 2014 SC	01/01/2014	12/31/2023	10	0	0	10	0	0	0	0	0	0	0
0		46 EASEMENT ACQUISITION - 2014 SC	01/01/2014	12/31/2023	-172	0	0	0	0	-172	0	0	0	0	0
0		47 WATER LOSS REDUCTION STRATEGY - 2014 SC	01/01/2014	12/31/2023	-14	0	0	0	0	-14	0	0	0	0	0
0		48 CAPITAL PRGMG & FACILITY ASSET PLANNING - 2014 SC	01/01/2014	12/31/2023	-692	0	0	0	0	-692	0	0	0	0	0
		Project Sub-total:			2,068	0	0	258	0	1,810	0	0	0	0	0
0	WAT906749	DOWNTOWN W/M ENHANCEMENT													
0		1 JOS - GERRARD ST WM - ENGINEERING	03/01/2005	12/31/2017	731	0	0	73	0	99	0	0	559	0	0
0		4 JOS - GERRARD ST WM - CONSTRUCTION	01/01/2009	12/31/2015	24,554	0	0	2,436	0	3,342	0	0	18,776	0	0
0		35 JOS - GERRARD ST WM - ENGINEERING -2014 SC	01/01/2014	12/31/2023	100	0	0	92	0	-68	0	0	76	0	0
0		36 JOS BATHURST-DUPONT W/M - ENG -2014 SC	01/01/2014	12/31/2023	-33	0	0	-6	0	-27	0	0	0	0	0
0		37 JOS - GERRARD ST WM - CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-6,000	0	0	1,258	0	-2,670	0	0	-4,588	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: 2014 Council Approved Capital Project With Financing Details

Water Program  
Sub-Project Summary

Project/Financing			Start Date	Completion Date	2014	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u>	<u>WAT906749</u>	<u>DOWNTOWN W/M ENHANCEMENT</u>													
1	3	JOS BATHURST-DUPONT W/M - ENG	01/01/2005	12/31/2011	33	0	0	6	0	27	0	0	0	0	0
		<b>Project Sub-total:</b>			19,385	0	0	3,859	0	703	0	0	14,823	0	0
<u>0</u>	<u>WAT906752</u>	<u>TRANSMISSION R&amp;R</u>													
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	1,000	0	0	0	0	1,000	0	0	0	0	0
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	10/09/2012	10/09/2012	300	0	0	0	0	300	0	0	0	0	0
0	59	CAST IRON TRUNK REPLC - PHASE 2 - 2014 SC	09/18/2013	09/18/2013	-1	0	0	0	0	-1	0	0	0	0	0
1	2	TRANSF & SW'GEAR REPLACMENT DESIGN	01/01/2005	12/31/2013	50	0	0	0	0	50	0	0	0	0	0
		<b>Project Sub-total:</b>			1,599	0	0	0	0	1,599	0	0	0	0	0
<u>0</u>	<u>WAT906900</u>	<u>TRANSMISSION R&amp;R</u>													
0	1	TRANS FACILITIES REHAB	01/01/2006	12/31/2013	548	0	0	0	0	548	0	0	0	0	0
0	26	SCARBOROUGH PS - PUMP REPLC	01/01/2013	12/31/2015	884	0	0	0	0	884	0	0	0	0	0
0	27	EGLINTON PS -PUMP REPLC	01/01/2013	12/31/2015	2,982	0	0	0	0	2,982	0	0	0	0	0
0	33	SCARBOROUGH PS - PUMP REPLC -2014 SC	01/01/2014	12/31/2023	-284	0	0	0	0	-284	0	0	0	0	0
0	34	EGLINTON PS -PUMP REPLC -2014 SC	01/01/2014	12/31/2023	-1,182	0	0	0	0	-1,182	0	0	0	0	0
0	35	TRANS FACILITIES REHAB - 2014 SC	07/26/2013	07/26/2013	17	0	0	0	0	17	0	0	0	0	0
0	36	RESERVOIR REHAB/WATER QUALITY PROTECTION	09/13/2013	09/23/2013	300	0	0	0	0	300	0	0	0	0	0
		<b>Project Sub-total:</b>			3,265	0	0	0	0	3,265	0	0	0	0	0
<u>0</u>	<u>WAT906902</u>	<u>HARRIS W.T.P. R&amp;R</u>													
0	2	BUILDING ENVELOPE REHAB	01/01/2006	12/31/2014	20	0	0	0	0	20	0	0	0	0	0
0	6	LIQUID CHEMICAL SYSTEM RELOCATION	08/08/2006	12/31/2013	16	0	0	0	0	16	0	0	0	0	0
0	13	FILTER MEDIA REPLACEMENT PH2	01/01/2009	12/31/2016	350	0	0	0	0	350	0	0	0	0	0
0	21	HVAC REHAB - CONSTRUCTION	01/01/2012	12/31/2016	1,059	0	0	0	0	1,059	0	0	0	0	0
0	22	TRAVELLING SCREEN REPLACEMENT	01/01/2009	12/31/2014	780	0	0	0	0	780	0	0	0	0	0
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2013	12/31/2016	2,396	0	0	0	0	2,396	0	0	0	0	0
0	65	FILTER MEDIA REPLACEMENT PH2 -2014 SC	01/01/2014	12/31/2023	-150	0	0	0	0	-150	0	0	0	0	0
0	66	FACILITY & PROCESS UPGRADES -2014 SC	01/01/2014	12/31/2023	500	0	0	0	0	500	0	0	0	0	0
0	67	TRAVELLING SCREEN REPLACEMENT -2014 SC	01/01/2014	12/31/2023	320	0	0	0	0	320	0	0	0	0	0
0	68	HVAC REHAB - CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-264	0	0	0	0	-264	0	0	0	0	0
0	69	REHAB OF SETTLING BASIN ROOF&SLUICE GATES -2014	01/01/2014	12/31/2023	1,024	0	0	0	0	1,024	0	0	0	0	0
0	72	BUILDING ENVELOPE REHAB - 2014 SC	01/01/2014	12/31/2023	-10	0	0	0	0	-10	0	0	0	0	0
0	73	LIQUID CHEMICAL SYSTEM RELOCATION - 2014 SC	01/01/2014	12/31/2023	-8	0	0	0	0	-8	0	0	0	0	0
		<b>Project Sub-total:</b>			6,033	0	0	0	0	6,033	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: 2014 Council Approved Capital Project With Financing Details

Water Program  
Sub-Project Summary

Project/Financing					2014	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
0	<b>WAT906903</b>	<b>FJ HORGAN W.T.P. R&amp;R</b>													
0		5 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2014	614	0	0	0	0	614	0	0	0	0	0
0		8 RAW WATER PUMP UPGRADES	01/01/2013	12/31/2015	512	0	0	0	0	512	0	0	0	0	0
0		15 REPLACEMENT OF MCCS	01/01/2012	12/31/2016	1,450	0	0	0	0	1,450	0	0	0	0	0
0		16 ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT	01/01/2013	12/31/2016	534	0	0	0	0	534	0	0	0	0	0
0		26 FACILITY & PROCESS UPGRADES -2014 SC	01/01/2014	12/31/2023	244	0	0	0	0	244	0	0	0	0	0
0		27 REPLACEMENT OF MCCS -2014 SC	01/01/2014	12/31/2023	-1,150	0	0	0	0	-1,150	0	0	0	0	0
0		29 RAW WATER PUMP UPGRADES - 2014 SC	01/01/2014	12/31/2023	188	0	0	0	0	188	0	0	0	0	0
0		30 ZEBRA MUSSEL CONTROL SYSTEM REPLACEMENT - 2014	01/01/2014	12/31/2023	-484	0	0	0	0	-484	0	0	0	0	0
		<b>Project Sub-total:</b>			1,908	0	0	0	0	1,908	0	0	0	0	0
0	<b>WAT906906</b>	<b>TRUNK WATERMAIN EXPANSION</b>													
0		2 JOS - D4 W/M ENGINEERING	01/01/2010	12/31/2011	10	0	0	0	0	10	0	0	0	0	0
0		13 CAST IRON T-M REPLACEMENT - PH1	01/01/2006	12/31/2014	40	0	0	0	0	40	0	0	0	0	0
0		25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/2012	12/31/2016	702	0	0	167	0	375	0	0	160	0	0
0		63 JOS WM SCAR PS TO ST CLAIR&MIDLAND -ENG -2014 SC	01/01/2014	12/31/2023	-102	0	0	120	0	-198	0	0	-24	0	0
0		64 CAST IRON T-M REPLACEMENT - PH1 - 2014 SC	01/01/2014	12/31/2023	-40	0	0	0	0	-40	0	0	0	0	0
		<b>Project Sub-total:</b>			610	0	0	287	0	187	0	0	136	0	0
0	<b>WAT906914</b>	<b>SWITCH GEAR TRANSFORMER</b>													
0		3 ARC FLASH ANALYSIS	01/01/2010	12/31/2014	288	0	0	0	0	288	0	0	0	0	0
0		13 INDOOR/OUTDOOR SWITCHGEAR (5 Stations Phase 3)	01/01/2012	12/31/2015	5,140	0	0	0	0	5,140	0	0	0	0	0
0		25 ARC FLASH ANALYSIS -2014 SC	01/01/2014	12/31/2023	62	0	0	0	0	62	0	0	0	0	0
0		26 INDOOR/OUTDOOR SWITCHGEAR(5 Stations Ph3) -2014 SC	01/01/2014	12/31/2023	-4,465	0	0	0	0	-4,465	0	0	0	0	0
		<b>Project Sub-total:</b>			1,025	0	0	0	0	1,025	0	0	0	0	0
0	<b>WAT906917</b>	<b>TRANSMISSION OPERATIONS OPTIMIZER</b>													
0		8 TRANSMISSION OPERATIONS OPTIMIZER	01/01/2013	12/31/2022	448	0	0	0	0	448	0	0	0	0	0
0		9 TRANSMISSION OPERATIONS OPTIMIZER - 2014 SC	01/01/2014	12/31/2023	112	0	0	0	0	112	0	0	0	0	0
		<b>Project Sub-total:</b>			560	0	0	0	0	560	0	0	0	0	0
0	<b>WAT906918</b>	<b>WATER SUSTAINABILITY PROGRAM</b>													
0		1 WATER SUSTAINABILITY PROGRAM	01/01/2012	12/31/2013	4,200	0	0	0	0	4,200	0	0	0	0	0
0		8 WATER SUSTAINABILITY PROGRAM -2014 SC	01/01/2014	12/31/2023	-4,000	0	0	12	0	-4,012	0	0	0	0	0
		<b>Project Sub-total:</b>			200	0	0	12	0	188	0	0	0	0	0
0	<b>WAT906919</b>	<b>RL CLARK W.T.P. R&amp;R</b>													
0		1 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2013	603	0	0	0	0	603	0	0	0	0	0
0		8 PROCESS EQUIPMENT UPGRADE ENGINEERING	08/08/2006	12/31/2017	1,535	0	0	0	0	1,535	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: 2014 Council Approved Capital Project With Financing Details**  
**Water Program**  
**Sub-Project Summary**

Project/Financing					2014	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
0	WAT906919	RL CLARK W.T.P. R&R													
0	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/2010	12/31/2021	8,790	0	0	0	0	8,790	0	0	0	0	0
0	44	EVALUATION & COMMUNICATION SYSTEMS	01/01/2013	12/31/2015	1,140	0	0	0	0	1,140	0	0	0	0	0
0	49	PROCESS EQUIPMENT UPGRADE ENGINEERING -2014 SC	01/01/2014	12/31/2023	-280	0	0	76	0	-356	0	0	0	0	0
0	50	PROCESS EQUIPMENT UPGRADE CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	-674	0	0	493	0	-1,167	0	0	0	0	0
0	51	EVALUATION & COMMUNICATION SYSTEMS -2014 SC	01/01/2014	12/31/2023	-391	0	0	0	0	-391	0	0	0	0	0
0	52	FACILITY & PROCESS UPGRADES - 2014 SC	01/01/2014	12/31/2023	-303	0	0	0	0	-303	0	0	0	0	0
		Project Sub-total:			10,420	0	0	569	0	9,851	0	0	0	0	0
0	WAT906930	DIST W/M REPLACEMENT													
0	15	W/M REPLACEMENT - STAND ALONE	01/01/2013	12/31/2014	14,924	0	0	0	0	14,924	0	0	0	0	0
0	29	DIST W/M REPLACEMENT - 2012	05/27/2011	12/01/2013	4,732	0	0	0	0	4,732	0	0	0	0	0
0	39	DIST W/M REPLACEMENT 2013	01/01/2013	12/31/2014	11,083	0	0	0	0	11,083	0	0	0	0	0
0	41	WATERMAIN UPGRADES	10/09/2012	10/09/2012	1,035	0	0	613	0	422	0	0	0	0	0
0	50	DIST W/M REPLACEMENT 2013 - 2014 SC	01/01/2013	12/31/2014	-6,150	0	0	0	0	-6,150	0	0	0	0	0
0	51	DIST WM REPLACEMENT - 2014	06/07/2013	06/07/2013	19,719	0	0	0	0	19,719	0	0	0	0	0
0	52	WATERMAIN UPGRADES - 2014	06/07/2013	06/07/2013	5,407	0	0	0	0	5,407	0	0	0	0	0
0	53	W/M REPLACEMENT - STAND ALONE -2014 SC	01/01/2014	12/31/2023	-6,045	0	0	0	0	-6,045	0	0	0	0	0
0	54	WATERMAIN UPGRADES -2014 SC	01/01/2014	12/31/2023	3,121	0	0	-613	0	3,734	0	0	0	0	0
0	55	WATERMAIN REPLACEMENT - METROLINX	01/01/2014	12/31/2023	25	0	0	0	0	25	0	0	0	0	0
0	56	DIST W/M REPLACEMENT - 2012 - 2014 SC	01/01/2014	12/31/2023	-2,888	0	0	0	0	-2,888	0	0	0	0	0
		Project Sub-total:			44,963	0	0	0	0	44,963	0	0	0	0	0
0	WAT906932	DIST W/M REHABILITATION													
0	1	WATERMAIN CLEANING &LINING	01/01/2013	12/31/2014	200	0	0	0	0	200	0	0	0	0	0
0	4	Hydrant & Valve Repair	01/01/2007	12/31/2013	645	0	0	0	0	645	0	0	0	0	0
0	5	CUT REPAIRS - 2014 SC	01/01/2013	12/31/2013	1,994	0	0	0	0	1,994	0	0	0	0	0
0	6	WATERMAIN STRUCTURAL LINING	08/03/2006	12/31/2013	17,559	0	0	0	0	17,559	0	0	0	0	0
0	7	CATHODIC PROTECTION	01/01/2012	12/31/2013	5,244	0	0	0	0	5,244	0	0	0	0	0
0	30	CUT REPAIRS	01/01/2010	12/31/2010	2,250	0	0	0	0	2,250	0	0	0	0	0
0	38	Hydrant & Valve Repair -2014 SC	01/01/2014	12/31/2023	355	0	0	0	0	355	0	0	0	0	0
0	39	WATERMAIN STRUCTURAL LINING -2014 SC	01/01/2014	12/31/2023	13,697	0	0	0	0	13,697	0	0	0	0	0
0	40	CATHODIC PROTECTION -2014 SC	01/01/2014	12/31/2023	-1,209	0	0	0	0	-1,209	0	0	0	0	0
0	41	WATERMAIN CLEANING &LINING - 2014 SC	01/01/2014	12/31/2023	-56	0	0	0	0	-56	0	0	0	0	0
		Project Sub-total:			40,679	0	0	0	0	40,679	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**  
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**Water Program**  
**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2014	Financing									
Priority	Project			Project Name	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
0	<u>WAT906934</u>	<u>DIST WATER SERVICE REPAIR</u>												
0	12	ALL DISTRICT WSR - LEAD REPLACEMENT	01/01/2008 12/31/2013	10,000	0	0	0	0	10,000	0	0	0	0	0
0	20	WATER SERVICE REPAIR - STAND ALONE	10/10/2010 12/31/2013	514	0	0	0	0	514	0	0	0	0	0
0	32	WSR CUT REPAIRS	01/01/2013 12/31/2013	2,170	0	0	0	0	2,170	0	0	0	0	0
0	41	2013 WATER SERVICE REPLACMENT -SOG R	01/01/2013 12/31/2014	1,834	0	0	0	0	1,834	0	0	0	0	0
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	06/07/2013 06/07/2013	3,000	0	0	0	0	3,000	0	0	0	0	0
0	53	ALL DISTRICT WSR - LEAD REPLACEMENT -2014 SC	01/01/2014 12/31/2023	-116	0	0	0	0	-116	0	0	0	0	0
0	54	WATER SERVICE REPAIR - STAND ALONE -2014 SC	01/01/2014 12/31/2023	918	0	0	0	0	918	0	0	0	0	0
0	55	WSR CUT REPAIRS - 2014 SC	01/01/2014 12/31/2023	-48	0	0	0	0	-48	0	0	0	0	0
0	56	2012 WATER SERVICE REPLACEMENT - 2014 SC	01/01/2014 12/31/2023	84	0	0	0	0	84	0	0	0	0	0
0	57	2013 WATER SERVICE REPLACMENT -SOG R - 2014 SC	01/01/2014 12/31/2023	-207	0	0	0	0	-207	0	0	0	0	0
		Project Sub-total:		18,149	0	0	0	0	18,149	0	0	0	0	0
0	<u>WAT906935</u>	<u>NEW SERVICE CONNECTIONS</u>												
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
		Project Sub-total:		17,500	0	0	0	0	17,500	0	0	0	0	0
0	<u>WAT906951</u>	<u>ENGINEERING</u>												
0	1	ROAD RESTORATION - 2014 SC	01/01/2013 12/31/2013	5,198	0	0	0	0	5,198	0	0	0	0	0
0	2	CONSULTING FEES	01/01/2006 12/31/2015	5,834	0	0	0	0	5,834	0	0	0	0	0
0	37	SALARIES: LEGAL SALARIES - 2014 SC	01/01/2013 12/31/2013	188	0	0	0	0	188	0	0	0	0	0
0	45	ECS SALARIES	01/01/2014 12/31/2022	12,033	0	0	0	0	12,033	0	0	0	0	0
0	46	SALARIES: DISTRICT OPERATIONS - 2014 SC	01/01/2013 12/31/2013	623	0	0	0	0	623	0	0	0	0	0
0	50	CONSULTING FEES -2014 SC	01/01/2014 12/31/2023	-2,618	0	0	0	0	-2,618	0	0	0	0	0
		Project Sub-total:		21,258	0	0	0	0	21,258	0	0	0	0	0
0	<u>WAT906977</u>	<u>ISLAND W.T.P. R&amp;R</u>												
0	1	FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2016	491	0	0	0	0	491	0	0	0	0	0
0	7	FILTER MEDIA REPLC	01/01/2012 12/31/2021	75	0	0	0	0	75	0	0	0	0	0
0	12	FACILITY UPGRADE	01/01/2014 12/31/2015	300	0	0	0	0	300	0	0	0	0	0
0	18	VALVE CHAMBER UPGRADES	01/01/2008 12/31/2013	100	0	0	0	0	100	0	0	0	0	0
0	20	ISLAND SBS CONVERSION	01/01/2010 12/31/2011	44	0	0	0	0	44	0	0	0	0	0
0	25	ISLAND FILTER AIR SCOUR SYSTEM	01/01/2009 12/31/2012	850	0	0	0	0	850	0	0	0	0	0
0	33	ISLAND SEAWALL REHABILITATION	01/01/2012 11/30/2014	1,336	0	0	0	0	1,336	0	0	0	0	0
0	44	ISLAND ENWAVE/RETROFIT PROJECT	01/01/2013 12/31/2014	1,100	0	0	0	0	1,100	0	0	0	0	0
0	50	AMMONIA AND FLOURIDE SYSTEM UPGRADES	01/01/2014 12/31/2023	75	0	0	0	0	75	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: 2014 Council Approved Capital Project With Financing Details

## Water Program

## Sub-Project Summary

Project/Financing					2014	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
0	<u>WAT906977</u>	<u>ISLAND W.T.P. R&amp;R</u>													
0	51	CHEMICAL SYSTEMS ELEC FEED DISTRIBUTION	01/01/2014	12/31/2023	55	0	0	0	0	55	0	0	0	0	0
0	52	CONDITION ASSESSMENT & REHAB OF RAW WATER WET	09/18/2013	09/18/2013	100	0	0	0	0	100	0	0	0	0	0
0	56	VALVE CHAMBER UPGRADES - 2014 SC	01/01/2014	12/31/2023	-100	0	0	0	0	-100	0	0	0	0	0
0	57	ISLAND SBS CONVERSION - 2014 SC	01/01/2014	12/31/2023	6	0	0	0	0	6	0	0	0	0	0
0	58	FACILITY & PROCESS UPGRADES - 2014 SC	01/01/2014	12/31/2023	507	0	0	0	0	507	0	0	0	0	0
0	59	ISLAND SEAWALL REHABILITATION - 2014 SC	01/01/2014	12/31/2023	-616	0	0	0	0	-616	0	0	0	0	0
0	60	ISLAND FILTER AIR SCOUR SYSTEM - 2014 SC	01/01/2014	12/31/2023	0	0	0	52	0	-52	0	0	0	0	0
0	61	ISLAND ENWAVE/RETROFIT PROJECT - 2014 SC	01/01/2014	12/31/2023	-926	0	0	0	0	-926	0	0	0	0	0
Project Sub-total:					3,397	0	0	52	0	3,345	0	0	0	0	0
0	<u>WAT906979</u>	<u>D2/D4 TRUNK WATERMAIN UPGRADES</u>													
0	4	JOS - NEILSON (ELLESMERE-SHEPPARD) WM CONSTRUCT	01/01/2009	12/31/2014	1,170	0	0	157	0	583	0	0	430	0	0
0	29	JOS -NEILSON(ELLESMERE-SHEPPARD)WM CONS -2014	01/01/2014	12/31/2023	130	0	0	191	0	-110	0	0	49	0	0
Project Sub-total:					1,300	0	0	348	0	473	0	0	479	0	0
0	<u>WAT907946</u>	<u>BUSINESS IT PROJECTS</u>													
0	1	BUSINESS INTELLIGENCE INITIATIVES	01/01/2012	12/31/2016	425	0	0	0	0	425	0	0	0	0	0
0	2	BACKFLOW INSPECTION PORTAL	05/27/2013	05/27/2013	250	0	0	0	0	250	0	0	0	0	0
0	3	DISASTER RECOVERY - DRP - 2014 SC	05/27/2013	05/27/2013	121	0	0	0	0	121	0	0	0	0	0
0	4	EDOCS	05/27/2013	05/27/2013	50	0	0	0	0	50	0	0	0	0	0
0	5	BACKFLOW INSPECTION PORTAL -2014 SC	01/01/2014	12/31/2023	-250	0	0	0	0	-250	0	0	0	0	0
0	6	EDOCS -2014 SC	01/01/2014	12/31/2023	100	0	0	0	0	100	0	0	0	0	0
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	01/01/2014	12/31/2023	875	0	0	0	0	875	0	0	0	0	0
0	8	BUSINESS INTELLIGENCE INITIATIVES - 2014 SC	09/18/2013	09/18/2013	-150	0	0	0	0	-150	0	0	0	0	0
0	9	DISASTER RECOVERY	09/20/2013	09/20/2013	84	0	0	0	0	84	0	0	0	0	0
Project Sub-total:					1,505	0	0	0	0	1,505	0	0	0	0	0
Program Total:					264,998	0	0	7,715	0	241,320	0	0	15,963	0	0

Status Code	Description
S2	S2 Prior Year (With 2014 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2014 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



Category Code	Description
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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

## Project/Financing

Priority Project Project Name

Project/Financing			Start Date	Completion Date	2014 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
0	WAS000007	ASHBRIDGES BAY WWTP REHAB												
0		17 STANDBY POWER GENERATION	01/01/2010	12/31/2015	7,009	0	0	210	0	6,799	0	0	0	0
0		19 FERROUS UPGRADES	01/01/2012	12/31/2017	1,920	0	0	58	0	1,862	0	0	0	0
0		30 ELECTRICAL REHAB	01/01/2010	12/31/2015	9,073	0	0	0	0	9,073	0	0	0	0
0		41 POLYMER UPGRADE	01/01/2012	12/31/2016	1,410	0	0	0	0	1,410	0	0	0	0
0		46 Rehab of Grounds and Buildings	01/01/2010	12/31/2015	658	0	0	0	0	658	0	0	0	0
0		47 PT ENGINEERING DESIGN & CONTRACT ADMIN	01/01/2010	12/31/2019	1,320	0	0	39	0	1,281	0	0	0	0
0		49 PROCESS UPGRADES AND ODOUR CONTROL ENGINEER	01/01/2010	12/31/2016	1,424	0	0	43	0	1,381	0	0	0	0
0		189 PROCESS AND EQUIPMENT	01/01/2013	12/31/2016	4,460	0	0	0	0	4,460	0	0	0	0
0		190 FACILITY AND GROUNDS	01/01/2013	12/31/2018	4,403	0	0	0	0	4,403	0	0	0	0
0		206 STANDBY POWER GENERATION -2014 SC	01/01/2014	12/31/2023	-2,109	0	0	184	0	-2,293	0	0	0	0
0		207 PT ENGINEERING DESIGN & CONTRACT ADMIN -2014 SC	01/01/2014	12/31/2023	690	0	0	123	0	567	0	0	0	0
0		208 ELECTRICAL REHAB -ECAP -2014 SC	01/01/2014	12/31/2023	-6,944	0	0	0	0	-6,944	0	0	0	0
0		209 Rehab of Grounds and Buildings -2014 SC	01/01/2014	12/31/2023	-79	0	0	0	0	-79	0	0	0	0
0		210 PROCESS UPGRADES & ODOUR CONTROL ENG -2014 SC	01/01/2014	12/31/2023	-114	0	0	62	0	-176	0	0	0	0
0		211 FERROUS UPGRADES -2014 SC	01/01/2014	12/31/2023	-1,320	0	0	-9	0	-1,311	0	0	0	0
0		212 PROCESS AND EQUIPMENT -2014 SC	01/01/2014	12/31/2023	-2,360	0	0	0	0	-2,360	0	0	0	0
0		213 FACILITY AND GROUNDS -2014 SC	01/01/2014	12/31/2023	-2,907	0	0	0	0	-2,907	0	0	0	0
0		214 POLYMER UPGRADE -2014 SC	01/01/2014	12/31/2023	-850	0	0	0	0	-850	0	0	0	0
0		215 DIGESTERS CLEANING REHAB 10 YEAR PLAN	01/01/2014	12/31/2023	700	0	0	0	0	700	0	0	0	0
0		216 OPERATIONS CENTRE - ENGINEERING	01/01/2014	12/31/2023	300	0	0	0	0	300	0	0	0	0
		Project Sub-total:			16,684	0	0	710	0	15,974	0	0	0	0
0	WAS000160	ASHBRIDGES BAY TREATMENT PLANT - III												
0		19 BIOSOLIDS IMPRVS & STUDIES	01/01/2005	12/31/2012	165	0	0	5	0	160	0	0	0	0
0		43 BIOSOLIDS IMPRVS & STUDIES -2014 SC	01/01/2014	12/31/2023	-165	0	0	-5	0	-160	0	0	0	0
		Project Sub-total:			0	0	0	0	0	0	0	0	0	0
0	WAS000259	TRUNK SEWER SYSTEM												
0		15 TRUNK SEVWER REHAB-2012	01/01/2012	12/31/2015	24,464	0	0	0	0	24,464	0	0	0	0
0		23 TRUNK SEWER REHABILITATION	01/01/2010	12/31/2015	395	0	0	0	0	395	0	0	0	0
0		27 TRUNK SEWER REHABILITATION - 2014	01/01/2012	12/31/2021	455	0	0	0	0	455	0	0	0	0
0		33 TRUNK SEVWER REHAB-2012 -2014 SC	01/01/2014	12/31/2023	-16,893	0	0	0	0	-16,893	0	0	0	0
0		34 KEELE TRUNK SEWER PROPERTY ACQUISTION -2014 SC	01/01/2014	12/31/2023	500	0	0	0	0	500	0	0	0	0
0		37 TRUNK SEWER REHABILITATION - 2014 SC	01/01/2014	12/31/2023	-225	0	0	0	0	-225	0	0	0	0
		Project Sub-total:			8,696	0	0	0	0	8,696	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: 2014 Council Approved Capital Project With Financing Details**  
**Wastewater Program**  
**Sub-Project Summary**

Project/Financing			Start Date	Completion Date	2014	Financing								
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
0	<u>WAS000442</u>	<u>BASEMENT FLOODING RELIEF</u>												
0	8	BASEMENT FLOODING STUDIES & EAS	01/01/2006	12/31/2014	3,236	0	0	0	0	3,236	0	0	0	0
0	9	BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2014	12/31/2022	33,063	0	0	0	0	33,063	0	0	0	0
0	12	ROAD RESTORATION FOR BSMT FLDG	01/01/2013	12/31/2013	5,013	0	0	0	0	5,013	0	0	0	0
0	14	BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008	12/31/2013	4,363	0	0	0	0	4,363	0	0	0	0
0	18	BASEMENT FLOODING DESIGN - GROUP 2	01/01/2010	12/31/2017	7,000	0	0	0	0	7,000	0	0	0	0
0	19	BASEMENT FLOODING RELIEF- GROUP 2	01/01/2008	12/31/2010	17,292	0	0	0	0	17,292	0	0	0	0
0	20	BASEMENT FLOODING DESIGN - GROUP 3	01/01/2009	12/31/2009	100	0	0	0	0	100	0	0	0	0
0	29	BASEMENT FLOODING RELIEF - GROUP 1	09/25/2009	06/30/2014	47,555	0	0	0	0	47,555	0	0	0	0
0	59	BASEMENT FLOODING RELIEF -BACKFLOW GRANTS -201	01/01/2014	12/31/2023	3,000	0	0	0	0	3,000	0	0	0	0
0	60	BASEMENT FLOODING STUDIES & EAS -2014 SC	01/01/2014	12/31/2023	-585	0	0	0	0	-585	0	0	0	0
0	61	BASEMENT FLOODING DESIGN GROUP 1 -2014 SC	01/01/2014	12/31/2023	-3,075	0	0	0	0	-3,075	0	0	0	0
0	62	BASEMENT FLOODING DESIGH GROUP 2 - 2014 SC	01/01/2014	12/31/2023	-900	0	0	0	0	-900	0	0	0	0
0	63	BASEMENT FLOODING RELIEF - GROUP 1 -2014 SC	01/01/2014	12/31/2023	-22,432	0	0	0	0	-22,432	0	0	0	0
0	64	ROAD RESTORATION FOR BSMT FLDG -2014 SC	01/01/2014	12/31/2023	-2,321	0	0	0	0	-2,321	0	0	0	0
0	65	BASEMENT FLOODING RELIEF -TUNNEL PROJECT -2014	01/01/2014	12/31/2023	-32,553	0	0	0	0	-32,553	0	0	0	0
1	1	BASEMENT FLOODING RELIEF - BACKFLOW GRANTS	01/01/2001	12/31/2021	2,500	0	0	0	0	2,500	0	0	0	0
Project Sub-total:					61,256	0	0	0	0	61,256	0	0	0	0
0	<u>WAS000521</u>	<u>HIGHLAND CREEK WWTP - BUILDING SERV &amp; SITE DEV</u>												
0	3	HCTP BLDG REHAB & IMPROVEMENTS	01/01/2012	12/31/2016	500	0	0	0	0	500	0	0	0	0
0	6	HCTP BLDG REHAB & IMPROVEMENTS - 2014 SC	01/01/2014	12/31/2023	998	0	0	0	0	998	0	0	0	0
Project Sub-total:					1,498	0	0	0	0	1,498	0	0	0	0
0	<u>WAS906322</u>	<u>W&amp;WW LABORATORIES</u>												
0	9	LAB EQUIPMENT	01/01/2010	12/31/2015	112	0	0	0	0	112	0	0	0	0
0	24	LAB EQUIPMENT -2014 SC	01/01/2014	12/31/2023	8	0	0	0	0	8	0	0	0	0
Project Sub-total:					120	0	0	0	0	120	0	0	0	0
0	<u>WAS906328</u>	<u>SWM END OF PIPE FACILITIES</u>												
0	9	NORTH TORONTO CSO CONSTR	01/01/2013	12/31/2015	5,000	0	0	500	0	4,500	0	0	0	0
0	11	BONAR CREEK CONSTRUCTION	01/01/2014	12/31/2017	200	0	0	16	0	184	0	0	0	0
0	12	EARL BALES SWM FACILITY - PHASE 2	03/01/2012	12/31/2014	3,500	0	0	0	0	3,500	0	0	0	0
0	35	EASTERN BEACHES WATER QUALITY IMPROVEMENTS	01/01/2012	12/31/2013	250	0	0	25	0	225	0	0	0	0
0	49	NORTH TORONTO CSO CONSTR -2014 SC	01/01/2014	12/31/2023	-4,500	0	0	-460	0	-4,040	0	0	0	0
0	50	EARL BALES SWM FACILITY - PHASE 2 -2014 SC	01/01/2014	12/31/2023	-3,000	0	0	40	0	-3,040	0	0	0	0



**CITY OF TORONTO**  
**Appendix 5: 2014 Council Approved Capital Project With Financing Details**  
**Wastewater Program**  
**Sub-Project Summary**

Project/Financing		Start Date	Completion Date	2014	Financing									
Priority	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>WAS906328</u> <u>SWM END OF PIPE FACILITIES</u>													
0	51 EASTERN BEACHES WATER QUALITY IMPROVEMENTS-2014 SC	01/01/2014	12/31/2023	-250	0	0	-25	0	-225	0	0	0	0	0
	Project Sub-total:			1,200	0	0	96	0	1,104	0	0	0	0	0
0	<u>WAS906331</u> <u>SWM SOURCE CONTROL PROG</u>													
0	9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2012	12/31/2018	150	0	0	15	0	135	0	0	0	0	0
0	14 DOWNSPOUT DISCONNECTION PROGRAM -2014 SC	01/01/2014	12/31/2023	0	0	0	-15	0	15	0	0	0	0	0
	Project Sub-total:			150	0	0	0	0	150	0	0	0	0	0
0	<u>WAS906380</u> <u>HIGHLAND CREEK WWTP - ODOUR CONTROL</u>													
0	1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/2010	12/31/2019	876	0	0	18	0	858	0	0	0	0	0
0	2 ODOUR CONTROL UPGRADES PHASE 1 CONST	01/01/2013	12/31/2017	20,760	0	0	415	0	20,345	0	0	0	0	0
0	14 ODOUR CONTROL UPGRADES - PHASE 1 ENG -2014 SC	01/01/2014	12/31/2023	-416	0	0	19	0	-435	0	0	0	0	0
0	15 ODOUR CONTROL UPGRADES PHASE 1 CONST -2014 SC	01/01/2014	12/31/2023	-15,760	0	0	-13	0	-15,747	0	0	0	0	0
	Project Sub-total:			5,460	0	0	439	0	5,021	0	0	0	0	0
0	<u>WAS906486</u> <u>ASHBRIDGES BAY T.P. - III YR2004</u>													
0	3 PCS-PLANT SRVS	01/01/2004	12/31/2016	1,300	0	0	39	0	1,261	0	0	0	0	0
0	43 PCS-PLANT SRVS -2014 SC	01/01/2014	12/31/2023	-170	0	0	52	0	-222	0	0	0	0	0
	Project Sub-total:			1,130	0	0	91	0	1,039	0	0	0	0	0
0	<u>WAS906487</u> <u>HIGHLAND CREEK T.P. - IV YR2004</u>													
0	2 PCS PLANT SERVICES	01/01/2004	06/30/2014	115	0	0	3	0	112	0	0	0	0	0
0	19 PCS PLANT SERVICES -2014 SC	01/01/2014	12/31/2023	90	0	0	14	0	76	0	0	0	0	0
	Project Sub-total:			205	0	0	17	0	188	0	0	0	0	0
0	<u>WAS906488</u> <u>HUMBER T.P. - II YR2004</u>													
0	2 PCS PLANT SERVICES	01/01/2004	12/31/2014	130	0	0	2	0	128	0	0	0	0	0
0	21 PCS PLANT SERVICES -2014 SC	01/01/2014	12/31/2023	-25	0	0	6	0	-31	0	0	0	0	0
	Project Sub-total:			105	0	0	8	0	97	0	0	0	0	0
0	<u>WAS906492</u> <u>WET WEATHER FLOW MP</u>													
0	1 SWM INA-EA	01/01/2004	12/31/2021	1,045	0	0	105	0	940	0	0	0	0	0
0	2 WWFMP - PUBLIC EDUCATION	01/01/2004	12/31/2016	860	0	0	43	0	817	0	0	0	0	0
0	14 WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN	06/30/2009	12/31/2014	3,107	0	0	310	0	2,797	0	0	0	0	0
0	44 SWM CONVEYANCE 2013	10/12/2012	10/12/2012	2,604	0	0	259	0	2,345	0	0	0	0	0
0	51 SWM CONVEYANCE 2014	06/07/2013	06/07/2013	3,461	0	0	0	0	3,461	0	0	0	0	0
0	52 SWM INA-EA -2014 SC	01/01/2014	12/31/2023	-665	0	0	-74	0	-591	0	0	0	0	0
0	53 WWFMP - PUBLIC EDUCATION -2014 SC	01/01/2014	12/31/2023	-360	0	0	-3	0	-357	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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing					2014	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
0	<u>WAS906492</u>	<u>WET WEATHER FLOW MP</u>													
0		54 WWFMP IMPLEMENTATION-DESIGN&CON ADMIN -2014 SC	01/01/2014	12/31/2023	-1,807	0	0	-205	0	-1,602	0	0	0	0	0
0		56 SWM CONVEYANCE 2013 -2014 SC	01/01/2014	12/31/2023	-354	0	0	-78	0	-276	0	0	0	0	0
		<b>Project Sub-total:</b>			7,891	0	0	357	0	7,534	0	0	0	0	0
0	<u>WAS906495</u>	<u>SEWER ASSET PLANNING</u>													
0		5 Sewer Asset Planning	01/17/2006	12/31/2016	1,194	0	0	0	0	1,194	0	0	0	0	0
0		7 Sewer System Inspection	01/01/2010	12/31/2013	9,117	0	0	0	0	9,117	0	0	0	0	0
0		21 PPD - INFRASTRUCTURE PLANNING STUDIES	06/07/2013	06/07/2013	150	0	0	0	0	150	0	0	0	0	0
0		23 Sewer Asset Planning -2014 SC	01/01/2014	12/31/2023	54	0	0	100	0	-46	0	0	0	0	0
0		24 Sewer System Inspection -2014 SC	01/01/2014	12/31/2023	-3,158	0	0	0	0	-3,158	0	0	0	0	0
		<b>Project Sub-total:</b>			7,357	0	0	100	0	7,257	0	0	0	0	0
0	<u>WAS906500</u>	<u>NEW SEWER CONSTRUCTION</u>													
0		5 NEW SEWERS	01/01/2008	12/31/2013	1,202	0	0	1,082	0	120	0	0	0	0	0
0		22 NEW SEWERS -2014 SC	01/01/2014	12/31/2023	-1,000	0	0	-956	0	-44	0	0	0	0	0
		<b>Project Sub-total:</b>			202	0	0	126	0	76	0	0	0	0	0
0	<u>WAS906501</u>	<u>YARD &amp; BUILDING RENOVATION</u>													
0		2 YARD & BUILDING RENOVATION	01/01/2012	12/31/2021	100	0	0	0	0	100	0	0	0	0	0
0		10 YARD & BUILDING RENOVATION - 2014 SC	01/01/2014	12/31/2023	-100	0	0	0	0	-100	0	0	0	0	0
		<b>Project Sub-total:</b>			0	0	0	0	0	0	0	0	0	0	0
0	<u>WAS906735</u>	<u>DIST SEWER REHAB OPS YR2005</u>													
0		10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2012	12/31/2013	800	0	0	61	0	739	0	0	0	0	0
0		15 GROUP 1 SEWAGE PUMPING STATION UPGRADES -2014 SC	01/01/2014	12/31/2023	-500	0	0	-37	0	-463	0	0	0	0	0
		<b>Project Sub-total:</b>			300	0	0	24	0	276	0	0	0	0	0
0	<u>WAS906741</u>	<u>HIGHLAND CREEK TP YR2005</u>													
0		1 WAS THICKENING AND DEWATERING ENG	03/01/2005	12/31/2018	410	0	0	7	0	403	0	0	0	0	0
0		16 WAS THICKENING AND DEWATERING ENG -2014 SC	01/01/2014	12/31/2023	-160	0	0	13	0	-173	0	0	0	0	0
		<b>Project Sub-total:</b>			250	0	0	20	0	230	0	0	0	0	0
0	<u>WAS906742</u>	<u>HUMBER TP YR2005</u>													
0		6 HEADHOUSE UPGRADES Phase 1	01/01/2010	12/31/2014	10	0	0	0	0	10	0	0	0	0	0
0		8 ODOUR CONTROL ENGINEERING	01/01/2007	12/31/2016	982	0	0	9	0	973	0	0	0	0	0
0		51 ODOUR CONTROL ENGINEERING -2014 SC	01/01/2014	12/31/2023	18	0	0	-9	0	27	0	0	0	0	0
0		52 HEADHOUSE UPGRADES Phase 1 - 2014 SC	01/01/2014	12/31/2023	508	0	0	42	0	466	0	0	0	0	0
		<b>Project Sub-total:</b>			1,518	0	0	42	0	1,476	0	0	0	0	0



## CITY OF TORONTO

## Appendix 5: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing					2014	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
0	<u>WAS906743</u>	<u>ASHRIDGES BAY TP YR2005</u>													
0		1 Process & Equip Upgrades	03/01/2005	12/31/2016	450	0	0	13	0	437	0	0	0	0	0
0		48 Process & Equip Upgrades -2014 SC	01/01/2014	12/31/2023	-310	0	0	-2	0	-308	0	0	0	0	0
0		49 M & T Retrofit -2014 SC	01/01/2014	12/31/2023	-10	0	0	0	0	-10	0	0	0	0	0
0		50 SERVICE AIR UPGRADES -2014 SC	01/01/2014	12/31/2023	-4,750	0	0	0	0	-4,750	0	0	0	0	0
1		4 M & T IMPROVEMENTS (EQUIPMENT)	01/01/2005	12/31/2014	1,827	0	0	0	0	1,827	0	0	0	0	0
1		7 SERVICE AIR UPGRADES	01/01/2008	12/31/2016	7,150	0	0	0	0	7,150	0	0	0	0	0
		Project Sub-total:			4,357	0	0	11	0	4,346	0	0	0	0	0
0	<u>WAS906755</u>	<u>WESTERN BEACHES RETROFIT</u>													
0		1 WESTERN BEACHES RETROFIT	01/01/2008	12/31/2015	1,000	0	0	0	0	1,000	0	0	0	0	0
0		9 WESTERN BEACHES RETROFIT -2014 SC	01/01/2014	12/31/2023	-200	0	0	64	0	-264	0	0	0	0	0
		Project Sub-total:			800	0	0	64	0	736	0	0	0	0	0
0	<u>WAS906926</u>	<u>OPERATIONAL SUPPORT</u>													
0		1 DIVISIONAL SECURITY	01/01/2006	12/31/2014	814	0	0	0	0	814	0	0	0	0	0
0		7 RENOVATION - MERTON STREET	01/01/2012	12/31/2012	3	0	0	0	0	3	0	0	0	0	0
0		17 Desginated Substance Abatement	08/15/2006	12/31/2014	173	0	0	0	0	173	0	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
0		40 WWTP PLC PLATFORM UPGRADE	01/01/2013	12/31/2018	3,000	0	0	0	0	3,000	0	0	0	0	0
0		82 FACILITY RENOVATION -2014 SC	01/01/2014	12/31/2023	800	0	0	0	0	800	0	0	0	0	0
0		83 WWTP PLC PLATFORM UPGRADE -2014 SC	01/01/2014	12/31/2023	-1,000	0	0	0	0	-1,000	0	0	0	0	0
0		84 HAND HELD DEVICES - UPDATED - 2014 SC	06/27/2013	06/27/2013	-150	0	0	0	0	-150	0	0	0	0	0
0		85 DIVISIONAL SECURITY - 2014 SC	01/01/2014	12/31/2023	-164	0	0	0	0	-164	0	0	0	0	0
0		87 Desginated Substance Abatement - 2014 SC	01/01/2014	12/31/2023	-73	0	0	0	0	-73	0	0	0	0	0
		Project Sub-total:			3,553	0	0	0	0	3,553	0	0	0	0	0
0	<u>WAS906958</u>	<u>SEWER SYSTEM REHABILITATION</u>													
0		2 Group 2 & 3 Sewage P.S. Upgrades	01/01/2005	12/31/2013	14	0	0	1	0	13	0	0	0	0	0
0		5 CCTV Inspection	01/14/2006	12/31/2013	1,123	0	0	0	0	1,123	0	0	0	0	0
0		6 LATERAL REHAB	08/14/2006	12/31/2013	399	0	0	0	0	399	0	0	0	0	0
0		8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008	12/31/2014	1,202	0	0	0	0	1,202	0	0	0	0	0
0		9 SEWER REHABILITATION	01/01/2008	12/31/2013	18,873	0	0	0	0	18,873	0	0	0	0	0
0		23 SEWAGE PUMPING STATION STANDBY POWER	01/01/2010	12/31/2014	1,925	0	0	0	0	1,925	0	0	0	0	0
0		24 GROUP 5 SEWAGE PUMPING STATION CAPACITY UPGRADE	01/01/2009	12/31/2016	3,675	0	0	275	0	3,400	0	0	0	0	0
0		60 Group 2 & 3 Sewage P.S. Upgrades -2014 SC	01/01/2014	12/31/2023	-8	0	0	-1	0	-7	0	0	0	0	0
0		61 CCTV Inspection -2014 SC	01/01/2014	12/31/2023	-223	0	0	0	0	-223	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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing			Start Date	Completion Date	2014	Financing								
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
0	<u>WAS906958</u>	<u>SEWER SYSTEM REHABILITATION</u>												
0		62 LATERAL REHAB -2014 SC	01/01/2014	12/31/2023	396	0	0	0	0	396	0	0	0	0
0		63 SPS SCADA UPGRADES - ENGINEERING -2014 SC	01/01/2014	12/31/2023	-587	0	0	49	0	-636	0	0	0	0
0		64 SEWER REHABILITATION -2014 SC	01/01/2014	12/31/2023	3,287	0	0	0	0	3,287	0	0	0	0
0		65 SEWAGE PUMPING STATION STANDBY POWER -2014 SC	01/01/2014	12/31/2023	-585	0	0	108	0	-693	0	0	0	0
0		66 GROUP 5 SEWAGE PS CAPACITY UPGRADES -2014 SC	01/01/2014	12/31/2023	-3,350	0	0	-249	0	-3,101	0	0	0	0
		Project Sub-total:			26,141	0	0	183	0	25,958	0	0	0	0
0	<u>WAS906960</u>	<u>STREAM RESTORATION &amp; EROSION CONTROL</u>												
0		1 HIGHLAND CREEK STREAM RESTORATION	01/01/2006	12/31/2013	1,000	0	0	100	0	900	0	0	0	0
0		7 STREAM RESTORATION	01/01/2008	12/31/2016	4,788	0	0	478	0	4,310	0	0	0	0
0		26 STREAM RESTORATION-CRITICAL LOCATIONS	10/09/2012	10/09/2012	500	0	0	50	0	450	0	0	0	0
0		31 HIGHLAND CREEK STREAM RESTORATION -2014 SC	01/01/2014	12/31/2023	40	0	0	-16	0	56	0	0	0	0
0		32 STREAM RESTORATION -2014 SC	01/01/2014	12/31/2023	1,712	0	0	45	0	1,667	0	0	0	0
0		33 STREAM RESTORATION-CRITICAL LOCATIONS -2014 SC	01/01/2014	12/31/2023	0	0	0	-50	0	50	0	0	0	0
		Project Sub-total:			8,040	0	0	607	0	7,433	0	0	0	0
0	<u>WAS906964</u>	<u>CONVEYANCE CONTROLS - REPLC &amp; REHAB</u>												
0		9 2008 STORM SEWER REHABILITATION	01/01/2010	12/31/2010	18	0	0	0	0	18	0	0	0	0
0		18 COATSWORTH CUT - PHASE 1 CONSTRUCTION	01/01/2012	12/31/2013	43	0	0	4	0	39	0	0	0	0
0		26 COATSWORTH CUT - PHASE 1 CONSTRUCTION -2014 SC	01/01/2014	12/31/2023	0	0	0	-4	0	4	0	0	0	0
0		27 2008 STORM SEWER REHABILITATION - 2014 SC	01/01/2014	12/31/2023	4	0	0	0	0	4	0	0	0	0
		Project Sub-total:			65	0	0	0	0	65	0	0	0	0
0	<u>WAS906966</u>	<u>SWM TRCA FUNDING</u>												
0		17 TRCA FUNDING - 2014 SC	01/01/2014	12/31/2023	3,970	0	0	320	0	3,650	0	0	0	0
		Project Sub-total:			3,970	0	0	320	0	3,650	0	0	0	0
0	<u>WAS906968</u>	<u>ENGINEERING</u>												
0		2 CONSULTING FEES	01/01/2006	12/31/2016	2,928	0	0	0	0	2,928	0	0	0	0
0		31 ROAD RESTORATION	01/01/2012	12/31/2021	1,118	0	0	0	0	1,118	0	0	0	0
0		51 CONSULTING FEES-2014 SC	01/01/2013	12/31/2022	27	0	0	0	0	27	0	0	0	0
0		52 ECS SALARIES	01/01/2013	12/31/2013	12,033	0	0	0	0	12,033	0	0	0	0
0		53 ROAD RESTORATION - 2014 SC	07/26/2013	07/26/2013	1,534	0	0	0	0	1,534	0	0	0	0
		Project Sub-total:			17,640	0	0	0	0	17,640	0	0	0	0
0	<u>WAS906973</u>	<u>SEWER REPLACEMENT PROGRAM</u>												
0		24 SEWAGE FORCEMAIN REPLACEMENT	01/01/2010	12/31/2010	4,243	0	0	0	0	4,243	0	0	0	0
0		25 SEWER REPLACEMENT 2012	01/01/2012	12/31/2013	1,700	0	0	170	0	1,530	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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing				2014	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
0	<u>WAS906973</u>	<u>SEWER REPLACEMENT PROGRAM</u>													
0		35 SEWER REPLACMENT - 2013 PROGRAM	01/01/2013	12/31/2014	16,748	0	0	0	0	16,748	0	0	0	0	0
0		36 SEWER REPLACEMENT -2014	01/01/2013	12/31/2013	13,132	0	0	0	0	13,132	0	0	0	0	0
0		44 COXWELL TRUNK EMERGENCY REPAIR	01/01/2013	12/31/2022	1,747	0	0	0	0	1,747	0	0	0	0	0
0		46 WATERFRONT STORMWATER INFRASTRUCTURE	06/26/2013	06/26/2013	11,750	0	0	4,860	0	6,890	0	0	0	0	0
0		47 WATERFRONT SANITARY SERVICING INFRASTRUCTURE	06/26/2013	06/26/2013	16,020	0	0	10,480	0	5,540	0	0	0	0	0
0		48 SEWER REPLACEMENT 2012 -2014 SC	01/01/2014	12/31/2023	-1,059	0	0	-170	0	-889	0	0	0	0	0
0		49 SEWER REPLACMENT - 2013 PROGRAM -2014 SC	01/01/2014	12/31/2023	-9,278	0	0	601	0	-9,879	0	0	0	0	0
0		52 SEWER REPLACEMENT - METROLINX	01/01/2014	12/31/2023	50	0	0	0	0	50	0	0	0	0	0
0		54 SEWAGE FORCEMAIN REPLACEMENT - 2014 SC	06/27/2013	06/27/2013	-3,243	0	0	0	0	-3,243	0	0	0	0	0
0		55 SEWER REPLACEMENT - LESLIE ST	09/18/2013	09/18/2013	10,000	0	0	0	0	10,000	0	0	0	0	0
0		56 COXWELL TRUNK EMERGENCY REPAIR - 2014 SC	01/01/2014	12/31/2023	-747	0	0	0	0	-747	0	0	0	0	0
Project Sub-total:					61,063	0	0	15,941	0	45,122	0	0	0	0	0
0	<u>WAS906980</u>	<u>ASHBRIDGES BAY T.P. YR2006</u>													
0		8 MEDIATION AGREEMENT IMPLEMENTATION - PART 2	01/01/2006	12/31/2015	45	0	0	2	0	43	0	0	0	0	0
0		9 DEWATERING EQUIPMENT UPGRADES	01/01/2006	12/31/2016	2,580	0	0	77	0	2,503	0	0	0	0	0
0		34 MEDIATION AGREEMENT IMPLEMENTATION-PART 2 -2014	01/01/2014	12/31/2023	-20	0	0	0	0	-20	0	0	0	0	0
0		35 DEWATERING EQUIPMENT UPGRADES -2014 SC	01/01/2014	12/31/2023	-1,780	0	0	-13	0	-1,767	0	0	0	0	0
Project Sub-total:					825	0	0	66	0	759	0	0	0	0	0
0	<u>WAS906981</u>	<u>HIGHLAND CREEK WWTP UPGRADES</u>													
0		1 PROCESS & FACILITY UPGRADE	01/01/2006	12/31/2017	3,095	0	0	0	0	3,095	0	0	0	0	0
0		3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006	12/31/2018	25,530	0	0	510	0	25,020	0	0	0	0	0
0		7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2007	12/31/2015	1,452	0	0	0	0	1,452	0	0	0	0	0
0		8 DIGESTER GAS SYSTEM UPGRADES	01/01/2010	12/31/2016	1,830	0	0	0	0	1,830	0	0	0	0	0
0		16 MECH SYSTEMS UPGRADES - CONSTR	10/01/2008	12/31/2014	1,200	0	0	0	0	1,200	0	0	0	0	0
0		23 ELECTRICAL UPGRADES-ECAR	01/01/2012	12/31/2016	2,430	0	0	0	0	2,430	0	0	0	0	0
0		31 ELEC SYSTEM UPGRADES - CONSTR	01/01/2010	12/31/2014	3,500	0	0	0	0	3,500	0	0	0	0	0
0		32 CEPA COMPLIANCE -HCTP - 2014 SC	01/01/2010	12/31/2012	200	0	0	0	0	200	0	0	0	0	0
0		72 PROCESS & FACILITY UPGRADE -2014 SC	01/01/2014	12/31/2023	-795	0	0	0	0	-795	0	0	0	0	0
0		73 BIOSOLIDS TREATMENT UPGRADES -2014 SC	01/01/2014	12/31/2023	-18,772	0	0	36	0	-18,808	0	0	0	0	0
0		75 MECH & ELECTRICAL UPGRADE ENGINEERING -2014 SC	01/01/2014	12/31/2023	-1,027	0	0	0	0	-1,027	0	0	0	0	0
0		76 MECH SYSTEMS UPGRADES - CONSTR -2014 SC	01/01/2014	12/31/2023	-1,000	0	0	0	0	-1,000	0	0	0	0	0
0		77 ELEC SYSTEM UPGRADES - CONSTR -2014 SC	01/01/2014	12/31/2023	-1,800	0	0	0	0	-1,800	0	0	0	0	0
0		78 DIGESTER GAS SYSTEM UPGRADES -2014 SC	01/01/2014	12/31/2023	-1,630	0	0	0	0	-1,630	0	0	0	0	0
0		79 ELECTRICAL UPGRADES-ECAR -2014 SC	01/01/2014	12/31/2023	-218	0	0	0	0	-218	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

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## CITY OF TORONTO

## Appendix 5: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing			Start Date	Completion Date	2014	Financing									
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>WAS906981</u>	<u>HIGHLAND CREEK WWTP UPGRADES</u>													
0	82	DIGESTERS CLEANING REHAB 10 YEAR PLAN	01/01/2014	12/31/2023	1,600	0	0	0	0	1,600	0	0	0	0	0
0	83	PLANT FIRM CAPACITY - CONCEPT DESIGN	09/18/2013	09/18/2013	400	0	0	0	0	400	0	0	0	0	0
		Project Sub-total:			15,995	0	0	546	0	15,449	0	0	0	0	0
0	<u>WAS906982</u>	<u>HUMBER WWTP UPGRADES</u>													
0	1	BUILDING UPGRADE ENGINEERING	01/01/2006	12/31/2012	34	0	0	0	0	34	0	0	0	0	0
0	2	Chlorine Building Upgrade	01/01/2010	12/31/2015	5,226	0	0	0	0	5,226	0	0	0	0	0
0	5	FLOOD PROTECTION	01/01/2012	12/31/2013	150	0	0	0	0	150	0	0	0	0	0
0	6	NEW SUBSTATION	01/01/2006	06/30/2014	7,934	0	0	0	0	7,934	0	0	0	0	0
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATI	01/01/2010	12/31/2021	3,842	0	0	0	0	3,842	0	0	0	0	0
0	8	NEW GROUNDSKEEPING BUILDING and RAS Control Room	01/01/2012	12/31/2013	1,490	0	0	0	0	1,490	0	0	0	0	0
0	20	BLDG & GROUNDS UPGRADE	01/01/2008	12/31/2015	320	0	0	0	0	320	0	0	0	0	0
0	29	ADMIN BUILDING EXPANSION	01/01/2018	12/31/2021	100	0	0	0	0	100	0	0	0	0	0
0	52	HVAC UPGRADES	01/01/2013	12/31/2015	1,146	0	0	0	0	1,146	0	0	0	0	0
0	62	Chlorine Building Upgrade -2014 SC	01/01/2014	12/31/2023	-826	0	0	0	0	-826	0	0	0	0	0
0	63	ELECTRICAL CONDITION ASSESSMENT REC -2014 SC	01/01/2014	12/31/2023	-2,167	0	0	0	0	-2,167	0	0	0	0	0
0	64	NEW SUBSTATION -2014 SC	01/01/2014	12/31/2023	-4,971	0	0	0	0	-4,971	0	0	0	0	0
0	65	BLDG & GROUNDS UPGRADE -2014 SC	01/01/2014	12/31/2023	-320	0	0	0	0	-320	0	0	0	0	0
0	66	HVAC UPGRADES -2014 SC	01/01/2014	12/31/2023	-546	0	0	0	0	-546	0	0	0	0	0
0	71	BUILDING UPGRADE ENGINEERING - 2014 SC	01/01/2014	12/31/2023	218	0	0	0	0	218	0	0	0	0	0
0	72	NEW GROUNDSKEEPING BDLG & RAS CONTROL - 2014 S	01/01/2014	12/31/2023	-40	0	0	0	0	-40	0	0	0	0	0
		Project Sub-total:			11,590	0	0	0	0	11,590	0	0	0	0	0
0	<u>WAS906994</u>	<u>HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HANDLING</u>													
0	1	HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING	01/01/2012	12/31/2021	1,911	0	0	38	0	1,873	0	0	0	0	0
0	3	WAS THICKENING AND DEWATERING CONSTR	01/01/2010	12/31/2016	4,733	0	0	95	0	4,638	0	0	0	0	0
0	11	WAS THICKENING AND DEWATERING CONSTR -2014 SC	01/01/2014	12/31/2023	-3,083	0	0	38	0	-3,121	0	0	0	0	0
0	12	HCTP - BIOSOLIDS IMPLEMENTATION - ENG -2014 SC	01/01/2014	12/31/2023	-711	0	0	59	0	-770	0	0	0	0	0
		Project Sub-total:			2,850	0	0	230	0	2,620	0	0	0	0	0
0	<u>WAS907038</u>	<u>Land Acquisition for Source Water Protect</u>													
0	3	EROSION PROTECTION & LAND ACQUISITION	01/02/2007	12/31/2015	2,000	0	0	0	0	2,000	0	0	0	0	0
0	11	EROSION PROTECTION & LAND ACQUISITION -2014 SC	01/01/2014	12/31/2023	5,000	0	0	564	0	4,436	0	0	0	0	0
0	12	Scarborough EA	01/01/2014	12/31/2015	1,500	0	0	0	0	1,500	0	0	0	0	0
		Project Sub-total:			8,500	0	0	564	0	7,936	0	0	0	0	0



## CITY OF TORONTO

## Appendix 5: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing			Start Date	Completion Date	2014	Financing								
Priority	Project	Project Name			Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt
0	<u>WAS907097</u>	<u>ASHBRIDGES BAY WWTP - BUILDING SERVICES &amp; SITE DE</u>												
0		7 CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM	01/01/2010	12/31/2015	270	0	0	0	0	270	0	0	0	0
0		19 CITY IMPROVEMENTS RE: TH COGEN	01/01/2012	12/31/2018	1,020	0	0	0	0	1,020	0	0	0	0
0		46 CITY IMPROVEMENTS RE: TH COGEN -2014 SC	01/01/2014	12/31/2023	-870	0	0	0	0	-870	0	0	0	0
0		49 BLOWER BLDG & OLD NORTH SUBSTAION IMPROV - 2014	06/27/2013	06/27/2013	700	0	0	0	0	700	0	0	0	0
		Project Sub-total:			1,120	0	0	0	0	1,120	0	0	0	0
0	<u>WAS907098</u>	<u>ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM</u>												
0		1 ABTP DISINFECTION ENGINEERING	01/01/2010	12/31/2021	4,498	0	0	135	0	4,363	0	0	0	0
0		13 ABTP OUTFALL ASSESSMENT	01/01/2012	12/31/2013	688	0	0	20	0	668	0	0	0	0
0		19 ABTP DISINFECTION ENGINEERING -2014 SC	01/01/2014	12/31/2023	-3,498	0	0	-55	0	-3,443	0	0	0	0
0		20 ABTP OUTFALL ASSESSMENT -2014 SC	01/01/2014	12/31/2023	-475	0	0	-3	0	-472	0	0	0	0
		Project Sub-total:			1,213	0	0	97	0	1,116	0	0	0	0
0	<u>WAS907099</u>	<u>ASHBRIDGES BAY WWTP - LIQUID TREATMENT &amp; HANDLIN</u>												
0		1 FINE BUBBLE AERATION IMPLEMENTATION	01/01/2013	12/31/2015	12,450	0	0	374	0	12,076	0	0	0	0
0		3 PRIMARY TREATMENT UPGRADE CONT #1	01/01/2010	12/31/2016	37,680	0	0	1,131	0	36,549	0	0	0	0
0		6 M & T PUMPING STATION CRITICAL REPAIRS	01/01/2012	12/31/2015	1,200	0	0	0	0	1,200	0	0	0	0
0		7 Primary and Secondary Tanks Rehabilitation	01/01/2012	12/31/2013	414	0	0	13	0	401	0	0	0	0
0		10 INTERGRATED PUMPING STATION - ENGINEERING	01/01/2010	12/31/2021	4,144	0	0	124	0	4,020	0	0	0	0
0		12 WORK AREA 1 REHAB	01/01/2010	12/31/2015	20	0	0	0	0	20	0	0	0	0
0		13 WORK AREA 5 REHAB	01/01/2010	12/31/2016	400	0	0	0	0	400	0	0	0	0
0		39 INTEGRATED PUMPING STATION - CONSTRUCTION	01/01/2013	12/31/2022	3,500	0	0	105	0	3,395	0	0	0	0
0		45 WORK AREA 1 REHAB-2014 SC	01/01/2013	12/31/2022	175	0	0	0	0	175	0	0	0	0
0		46 WORK AREA 5 REHAB-2014 SC	01/01/2013	12/31/2022	-400	0	0	0	0	-400	0	0	0	0
0		51 FINE BUBBLE AERATION IMPLEMENTATION -2014 SC	01/01/2014	12/31/2023	-10,000	0	0	-177	0	-9,823	0	0	0	0
0		52 INTEGRATED PUMPING STATION - ENGINEERING -2014 S	01/01/2014	12/31/2023	-2,236	0	0	-124	0	-2,112	0	0	0	0
0		53 PRIMARY TREATMENT UPGRADE CONT #1 -2014 SC	01/01/2014	12/31/2023	-16,980	0	0	535	0	-17,515	0	0	0	0
0		54 INTEGRATED PUMPING STATION - CONS -2014 SC	01/01/2014	12/31/2023	-3,500	0	0	-105	0	-3,395	0	0	0	0
0		55 Primary and Secondary Tanks Rehab -2014 SC	01/01/2014	12/31/2023	1,486	0	0	141	0	1,345	0	0	0	0
		Project Sub-total:			28,353	0	0	2,017	0	26,336	0	0	0	0
0	<u>WAS907100</u>	<u>ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HANDLING</u>												
0		3 WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	01/01/2012	12/31/2021	3,760	0	0	113	0	3,647	0	0	0	0
0		4 DIGESTERS 9-12 REFURBISHMENT	01/01/2012	12/31/2017	5,320	0	0	159	0	5,161	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		25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	10/09/2012	10/09/2012	1,480	0	0	0	0	1,480	0	0	0	0



## CITY OF TORONTO

## Appendix 5: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing			Start Date	Completion Date	2014 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
0	<u>WAS907100</u>	<u>ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HANDLING</u>												
0		28 DIGESTERS 9-12 REFURBISHMENT -2014 SC	01/01/2014	12/31/2023	-4,670	0	0	-107	0	-4,563	0	0	0	0
0		29 WASTE ACTIVATED SLUDGE UPGRADE - ENG -2014 SC	01/01/2014	12/31/2023	-1,760	0	0	48	0	-1,808	0	0	0	0
0		30 PELLETIZER TRUCK LOADING FACILITY UPGRADE -2014	01/01/2014	12/31/2023	-930	0	0	0	0	-930	0	0	0	0
		Project Sub-total:			3,600	0	0	213	0	3,387	0	0	0	0
0	<u>WAS907101</u>	<u>ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</u>												
0		5 PROCESS & EQUIP UPGRADES	01/01/2010	12/31/2016	46	0	0	0	0	46	0	0	0	0
0		6 MESI UPGRADES	01/01/2012	06/30/2014	2,311	0	0	0	0	2,311	0	0	0	0
0		7 MISC MECH REHAB	01/01/2010	12/31/2015	6,216	0	0	0	0	6,216	0	0	0	0
0		18 MISC MECH REHAB -2014 SC	01/01/2014	12/31/2023	-4,877	0	0	0	0	-4,877	0	0	0	0
0		19 Process & Equip Upgrades -2014 SC	01/01/2014	12/31/2023	23	0	0	0	0	23	0	0	0	0
		Project Sub-total:			3,719	0	0	0	0	3,719	0	0	0	0
0	<u>WAS907102</u>	<u>ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>												
0		6 BIOFILTERS UPGRADE	01/01/2012	12/31/2015	7,396	0	0	222	0	7,174	0	0	0	0
0		13 D BUILDING TREATMENT & BIOFILTER	01/01/2010	12/31/2013	1,700	0	0	51	0	1,649	0	0	0	0
0		29 D BUILDING TREATMENT & BIOFILTER -2014 SC	01/01/2014	12/31/2023	-500	0	0	46	0	-546	0	0	0	0
0		31 BIOFILTERS UPGRADE -2014 SC	01/01/2014	12/31/2023	-6,299	0	0	-134	0	-6,165	0	0	0	0
		Project Sub-total:			2,297	0	0	185	0	2,112	0	0	0	0
0	<u>WAS907104</u>	<u>HUMBER WWTP - LIQUID TREATMENT &amp; HANDLING</u>												
0		2 SECONDARY TREATMENT UPGRADES	01/01/2010	12/31/2021	13,998	0	0	140	0	13,858	0	0	0	0
0		15 SECONDARY TREATMENT UPGRADES -2014 SC	01/01/2014	12/31/2023	-9,133	0	0	-140	0	-8,993	0	0	0	0
		Project Sub-total:			4,865	0	0	0	0	4,865	0	0	0	0
0	<u>WAS907105</u>	<u>HUMBER WWTP - O&amp;M UPGRADES</u>												
0		1 Digester 7 & 8 Upgrades & Cogen Upgrades	01/01/2010	12/31/2021	9,850	0	0	0	0	9,850	0	0	0	0
0		2 LIQUID STREAM UPGRADES	01/01/2010	12/31/2013	300	0	0	3	0	297	0	0	0	0
0		11 DIGESTER CLEANING & UPGRADES	01/01/2010	12/31/2013	600	0	0	0	0	600	0	0	0	0
0		24 Digester 7 & 8 Upgrades & Cogen Upgrades -2014 SC	01/01/2014	12/31/2023	-4,700	0	0	0	0	-4,700	0	0	0	0
0		25 LIQUID STREAM UPGRADES -2014 SC	01/01/2014	12/31/2023	-250	0	0	1	0	-251	0	0	0	0
0		26 DIGESTER CLEANING & UPGRADES - 2014 SC	01/01/2014	12/31/2023	-600	0	0	0	0	-600	0	0	0	0
		Project Sub-total:			5,200	0	0	4	0	5,196	0	0	0	0
0	<u>WAS907106</u>	<u>HUMBER WWTP - ODOUR CONTROL</u>												
0		1 Odour Control Implementation Phase 1	01/01/2012	12/31/2018	19,550	0	0	196	0	19,354	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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

Project/Financing		Start Date	Completion Date	2014 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>WAS907106 HUMBER WWTP - ODOUR CONTROL</u></b>													
0	10 Odour Control Implementation Phase 1 -2014 SC	01/01/2014	12/31/2023	-14,550	0	0	206	0	-14,756	0	0	0	0	0
	<b>Project Sub-total:</b>			5,000	0	0	402	0	4,598	0	0	0	0	0
<b>0</b>	<b><u>WAS907224 SEWAGE PUMPING STATION UPGRADES</u></b>													
0	1 SPS UPGRADES	01/01/2011	12/31/2019	9,072	0	0	681	0	8,391	0	0	0	0	0
0	2 SCOTT STREET PS UPGRADES	01/01/2012	12/31/2013	5	0	0	0	0	5	0	0	0	0	0
0	4 SUNNYSIDE AND MARYPORT SPS UPGRADES	01/01/2012	12/31/2014	1,511	0	0	114	0	1,397	0	0	0	0	0
0	19 SCOTT STREET PS UPGRADES -2014 SC	01/01/2014	12/31/2023	15	0	0	2	0	13	0	0	0	0	0
0	20 SUNNYSIDE AND MARYPORT SPS UPGRADES -2014 SC	01/01/2014	12/31/2023	1,024	0	0	90	0	934	0	0	0	0	0
0	21 SPS UPGRADES -2014 SC	01/01/2014	12/31/2023	-2,372	0	0	-142	0	-2,230	0	0	0	0	0
	<b>Project Sub-total:</b>			9,255	0	0	745	0	8,510	0	0	0	0	0
<b>0</b>	<b><u>WAS907559 DON &amp; WATERFRONT TRUNK CSO</u></b>													
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2012	12/31/2021	3,440	0	0	344	0	3,096	0	0	0	0	0
0	9 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN -2014	01/01/2014	12/31/2023	-1,608	0	0	-197	0	-1,411	0	0	0	0	0
	<b>Project Sub-total:</b>			1,832	0	0	147	0	1,685	0	0	0	0	0
<b>0</b>	<b><u>WAS907700 NORTH TORONTO WTP UPGRADES</u></b>													
0	2 NTPP-ELECTRICAL UPGRADES	01/01/2012	12/31/2018	1,750	0	0	0	0	1,750	0	0	0	0	0
0	7 NTPP-ELECTRICAL UPGRADES -2014 SC	01/01/2014	12/31/2023	-983	0	0	0	0	-983	0	0	0	0	0
	<b>Project Sub-total:</b>			767	0	0	0	0	767	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	2,258	0	0	226	0	2,032	0	0	0	0	0
0	12 EMERY CREEK POND -2014 SC	01/01/2014	12/31/2023	152	0	0	-32	0	184	0	0	0	0	0
	<b>Project Sub-total:</b>			2,410	0	0	194	0	2,216	0	0	0	0	0
<b>0</b>	<b><u>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</u></b>													
0	26 REHAB OF SOUTH PRIMARY CLARIFIERS	01/01/2010	12/31/2014	18	0	0	0	0	18	0	0	0	0	0
0	30 ABTP - DIG. TANKS #1-8 MODS.	01/01/2010	12/31/2013	10	0	0	0	0	10	0	0	0	0	0
0	35 MTI REAL TIME CONTROL	01/01/2010	12/31/2015	2,200	0	0	110	0	2,090	0	0	0	0	0
0	122 North Primaries Pumping Equipment -2014 SC	01/01/2014	12/31/2023	-904	0	0	0	0	-904	0	0	0	0	0
0	123 MTI REAL TIME CONTROL -2014 SC	01/01/2014	12/31/2023	-2,000	0	0	-110	0	-1,890	0	0	0	0	0
0	124 ABTP - DIG. TANKS #1-8 MODS. -2014 SC	01/01/2014	12/31/2023	-10	0	0	0	0	-10	0	0	0	0	0
0	126 REHAB OF SOUTH PRIMARY CLARIFIERS - 2014 SC	01/01/2014	12/31/2023	-8	0	0	0	0	-8	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: 2014 Council Approved Capital Project With Financing Details

## Wastewater Program

## Sub-Project Summary

## Project/Financing

Priority Project Project Name

Project/Financing					2014	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
0	WASWP050	EQUIPMENT REPLACEMENT & REHABILITATION													
1		78 North Primaries Pumping Equipment	01/01/2012	12/31/2015	1,424	0	0	0	0	1,424	0	0	0	0	0
		Project Sub-total:			730	0	0	0	0	730	0	0	0	0	0
		Program Total:			349,772	0	0	24,566	0	325,206	0	0	0	0	0

## Status Code Description

S2 S2 Prior Year (With 2014 and/or Future Year Cashflow)  
 S3 S3 Prior Year - Change of Scope 2014 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

### 2014 Reserve / Reserve Fund Review (In \$000s)

#### Reserve/Reserve Fund Review - Program Specific

Table 1		Projected Balance as at Dec. 31, 2013*	Proposed Withdrawals											2014 - 2023 Total Contributions / Withdrawals
Reserve / Reserve Fund Name	Project / SubProject Name and Number		2014 Budget	2015Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan		
Water DC Reserve Fund  XR2111 DC - Water (2009)	Beginning Balance	\$31,928		755	4,272	5,773	10,200	14,036	16,724	19,427	21,822	23,738		
	AVENUE ROAD TRUNKMAIN REPLACEMENT		(169)	(756)	(1,008)								(1,933)	
	BAYVIEW TRUNK WATERMAIN - PH2				(149)	(37)	(149)	(1,493)	(1,493)				(3,321)	
	D2/D4 TRUNK WATERMAIN UPGRADES		(348)				(86)	(173)	(1,616)	(5,944)	(4,971)	(2,971)	(16,109)	
	DIST W/M REPLACEMENT			(4,493)	(7,429)	(7,803)	(10,077)	(11,103)	(11,943)	(12,690)	(12,877)	(12,877)	(91,292)	
	DISTRICT WATERMAINS - NEW					(500)	(500)	(500)	(500)	(500)	(500)	(500)	(3,500)	
	DOWNTOWN W/M													
	ENHANCEMENT		(3,859)	(2,846)	(1,397)	(1)							(8,103)	
	ENGINEERING STUDIES		(370)	(85)									(455)	
	HARRIS W.T.P. R&R			(9)	(55)	(128)	(128)						(320)	
	HORGAN TRUNK MAIN EXPANSION		(39)	(304)	(2,600)	(7,154)	(7,021)	(6,646)	(1,143)				(24,907)	
	HORGAN W.T.P. EXPANSION		(1,219)	(1,959)									(3,178)	
	ISLAND W.T.P. R&R					(37)	(109)	(219)	(438)	(109)			(912)	
	ISLAND W.T.P. R&R		(52)	(30)									(82)	
	PW ENGINEERING		(258)	(165)	(175)	(150)	(100)	(60)	(60)	(60)	(60)	(60)	(1,148)	
	REGENT PARK CAPITAL CONTRIBUTION			(859)	(330)	(132)	(745)	(287)	(115)	(420)	(162)	(162)	(3,212)	
	RL CLARK W.T.P. R&R		(569)	(646)	(770)	(766)	(610)	(2)					(3,363)	
	TRANSMISSION R&R			(6)	(121)								(127)	
	TRUNK WATERMAIN EXPANSION		(287)	(431)	(838)	(2,204)	(2,012)	(2,443)	(287)				(8,502)	
	WATER EFFICIENCY PROGRAM		(520)	(520)	(520)	(520)	(520)	(520)	(520)	(520)	(520)	(520)	(5,200)	
	WATER STORAGE EXPANSION		(13)	(13)									(26)	
	WATER SUSTAINABILITY PROGRAM		(12)	(167)	(264)	(243)							(686)	
	Total Proposed Withdrawals	(\$51,810)	(16,195)	(17,331)	(22,860)	(21,152)	(22,167)	(23,665)	(23,824)	(24,400)	(25,043)	(24,651)	(176,376)	
Projected Contributions	\$19,882	16,950	20,848	24,361	25,579	26,003	26,353	26,527	26,795	26,959	27,498	247,873		
TOTAL RESERVE FUND BALANCE AT YEAR-END			755	4,272	5,773	10,200	14,036	16,724	19,427	21,822	23,738	26,586		

\* Based on 3rd Quarter Variance Report

## Appendix 6 – Continued

## Reserve/Reserve Fund Review - Program Specific

Table 2		Projected	Proposed Withdrawals										
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Balance as at Dec. 31,	2014 Budget	2015 Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2014 - 2023 Total
Sanitary Sewer DC Reserve Fund	Beginning Balance	\$50,313	48,247	43,456	37,954	35,031	28,545	26,577	26,839	27,520	27,185	23,191	
	ASHBRIDGES BAY T.P. - III YR2004		(91)	(123)	(4)	(2)							(220)
	ASHBRIDGES BAY T.P. YR2006		(66)	(132)	(179)								(377)
	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM		(97)	(320)	(779)	(2,286)	(4,041)	(4,610)	(3,103)	(4,571)	(4,298)	(4,621)	(28,726)
	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING		(2,017)	(2,944)	(3,066)	(2,744)	(3,413)	(1,546)	(2,414)	(2,511)	(2,511)	(2,511)	(25,677)
	ASHBRIDGES BAY WWTP - ODOUR CONTROL		(185)	(680)	(704)	(493)							(2,062)
	ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING		(213)	(229)	(1,448)	(1,811)	(1,796)	(888)	(887)	(732)			(8,004)
	ASHBRIDGES BAY WWTP REHAB		(710)	(624)	(692)	(626)	(329)	(41)	(4)				(3,026)
	ASHBRIDGES BAY TP YR2005		(11)	(39)	(26)	(37)	(7)						(120)
	DIST SEWER REHAB OPS YR2005		(24)	(15)	(1)								(40)
	CSO		(147)	(530)	(961)	(1,799)	(2,281)	(2,333)	(1,915)	(1,496)	(1,689)	(2,512)	(15,663)
	HIGHLAND CREEK T.P. - IV YR2004		(17)	(5)									(22)
	HIGHLAND CREEK TP YR2005		(20)	(26)	(25)								(71)
	HIGHLAND CREEK WWTP - O&M UPGRADES											(145)	(145)
	ODOUR CONTROL		(439)	(1,248)	(1,246)	(1,271)	(1,234)	(1,095)	(556)	(545)	(285)		(7,919)
	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		(230)	(588)	(567)	(386)	(1,448)	(1,609)	(1,468)	(1,468)	(724)	(58)	(8,546)
	HIGHLAND CREEK WWTP UPGRADES		(546)	(881)	(1,750)	(1,725)	(876)	(99)					(5,877)
	HUMBER T.P. - II YR2004		(8)	(14)		(1)							(23)
	HUMBER TP YR2005		(42)	(2)									(44)
	HUMBER WWTP - O&M UPGRADES		(4)	(20)									(24)
	HUMBER WWTP - ODOUR CONTROL		(402)	(1,207)	(1,610)	(1,610)	(402)						(5,231)
	LAWRENCE ALLAN REVITALIZATION PLAN			(6,471)	(1,200)	(5,437)							(13,108)
	NEW SEWER CONSTRUCTION		(126)	(2,622)	(4,373)	(2,973)	(1,573)	(2,173)	(2,773)	(2,773)	(2,773)	(2,773)	(24,932)
	SEWAGE PUMPING STATION UPGRADES		(745)	(438)	(165)	(32)							(1,380)
	SEWER ASSET PLANNING		(100)	(147)	(97)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(680)
	SEWER REPLACEMENT PROGRAM		(11,081)	(1,330)	(1,497)	(1,690)	(1,931)	(2,173)	(2,414)	(2,656)	(2,656)	(2,414)	(29,842)
	SEWER SYSTEM REHABILITATION		(183)	(378)	(504)	(424)	(324)	(2)					(1,815)
	TRUNK SEWER SYSTEM				(187)	(373)	(1,867)	(2,986)	(3,733)	(3,733)	(9,332)	(9,332)	(31,543)
	WESTERN BEACHES RETROFIT		(64)	(205)	(205)								(474)
	Total Proposed Withdrawals	(\$4,584)	(17,568)	(21,218)	(21,286)	(25,768)	(21,570)	(19,603)	(19,315)	(20,533)	(24,316)	(24,414)	(215,591)
	Projected Contributions	\$2,518	12,777	15,716	18,363	19,282	19,602	19,865	19,996	20,198	20,322	20,729	186,850
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$48,247	43,456	37,954	35,031	28,545	26,577	26,839	27,520	27,185	23,191	19,506	

\* Based on 3rd Quarter Variance Report

## Reserve/Reserve Fund Review - Program Specific

Table 3		Projected	Proposed Withdrawals										
Reserve / Reserve Fund Name	Project / SubProject Name and Number	Balance as at Dec. 31,	2014 Budget	2015 Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2014 - 2023 Total
Storm Water Management DC Reserve Fund	Beginning Balance	\$12,860	14,697	11,108	12,803	15,821	18,902	21,889	24,137	25,829	26,612	28,642	
	EMERY CREEK POND		(194)	(205)	(44)								(443)
	Land Acquisition for Source Water Protect		(564)	(564)	(161)	(161)	(161)	(161)	(161)	(161)	(161)	(161)	(2,416)
	SEWER REPLACEMENT PROGRAM		(4,860)										(4,860)
	STREAM RESTORATION & EROSION CONTROL		(607)	(684)	(432)	(616)	(452)	(831)	(952)	(976)	(831)	(831)	(7,212)
	SWM TRCA FUNDING		(320)	(327)	(336)	(344)	(353)	(361)	(371)	(380)	(389)	(399)	(3,580)
	SWM END OF PIPE FACILITIES		(96)	(546)	(535)	(528)	(772)	(1,160)	(1,620)	(2,549)	(1,247)	(2,414)	(11,467)
	WET WEATHER FLOW MP		(357)	(172)	(373)	(414)	(504)	(539)	(539)	(539)	(764)	(764)	(4,965)
	Total Proposed Withdrawals	(\$1,578)	(6,998)	(2,498)	(1,881)	(2,063)	(2,242)	(3,052)	(3,643)	(4,605)	(3,392)	(4,569)	(34,943)
	Projected Contributions	\$3,415	3,409	4,193	4,899	5,144	5,229	5,300	5,335	5,388	5,422	5,530	49,849
TOTAL RESERVE FUND BALANCE AT YEAR-END		\$14,697	11,108	12,803	15,821	18,902	21,889	24,137	25,829	26,612	28,642	29,603	

\* Based on 3rd Quarter Variance Report