



# Toronto 2015 BUDGET

## CAPITAL ANALYST NOTES



## Toronto Water

### 2015 – 2024 CAPITAL BUDGET AND PLAN OVERVIEW

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

The estimated replacement value of Toronto Water's inventory of capital assets is \$28.256 billion. Toronto Water maintains two categories of capital assets, linear infrastructure, such as distribution (5,501 km) and transmission (549 km) watermains, sanitary (3,935 km), combined (1,524 km) and storm (4,969 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment plants (4), water (18) and wastewater pumping stations (84), reservoirs, storage and detention tanks.

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

## Highlights

### Overview & Recommendations

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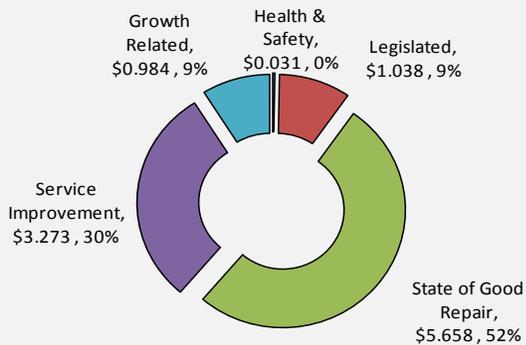
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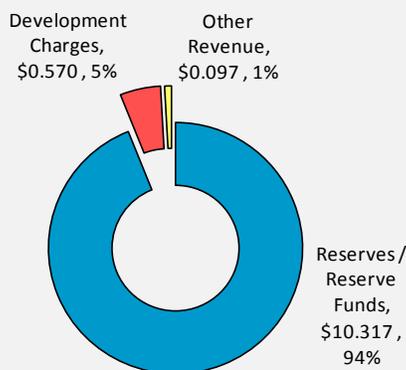
### Capital Spending and Financing

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



\$10.984 Billion

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



\$10.984 billion

### Where does the money go?

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

- Approximately \$6.726 billion or 61% of total funding for on-going state of good repair projects (including health and safety) for linear infrastructure and treatment facilities that are the primary focus of the 10-Year Recommended Capital Plan.
- The remaining funding totalling \$4.258 billion or 39% is for Service Improvement and Growth Related projects. The most significant undertakings are Basement Flooding Protection Program to reduce the risk of future flooding from extreme storm events (\$1.547 billion) and Wet Weather Flow Master Plan to improve water quality and city's environments (\$1.0 billion).

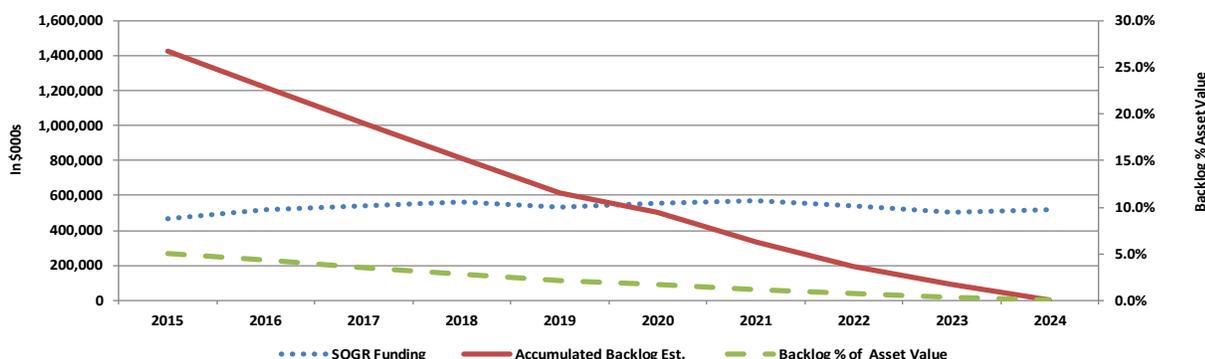
### Where does the money come from?

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

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

### State of Good Repair Backlog

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



## Key Challenges and Priority Actions

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

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

**Strict Regulatory Control and Oversight** – The water and wastewater industry continues to experience increased legislative and regulatory reform.

- ✓ The 10-Year Recommended Capital Plan includes funding of \$198.3 million for a design and construction of a new effluent disinfection system at the Ashbridges Bay Water Treatment Plant to meet the most recent federal regulations.

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

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

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

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

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

## 2015 Capital Budget Highlights

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

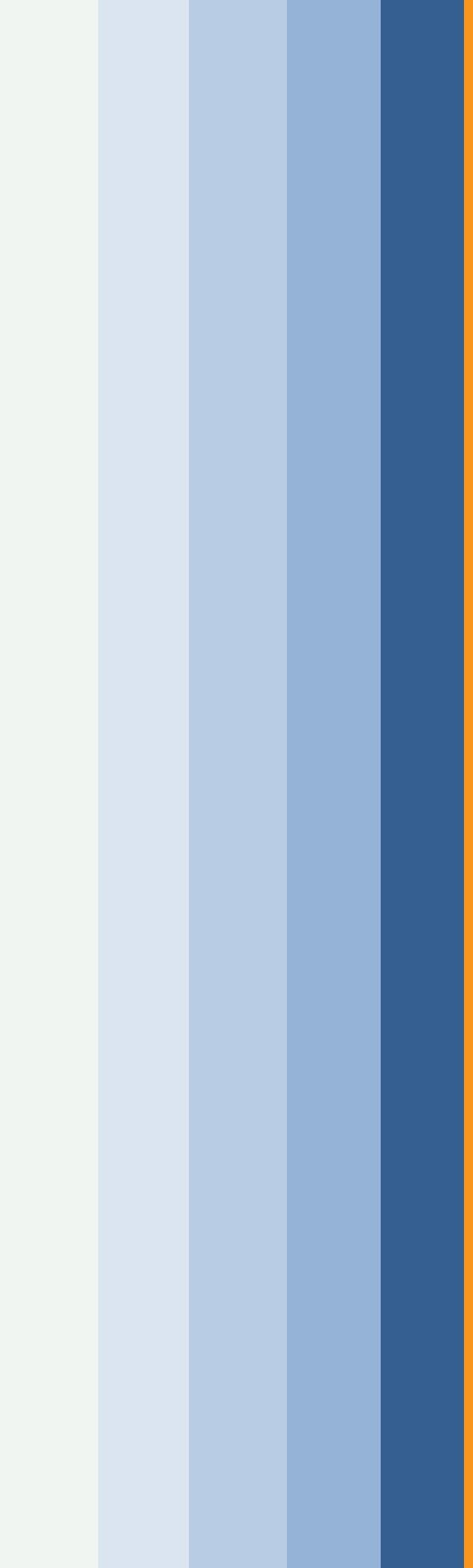
- ✓ Continue state of good repair projects to address infrastructure renewal such as District Watermain Replacement and Rehabilitation (\$126.861 million), Sewer System Replacement and Rehabilitation (\$57.282 million) and Reservoir and Pumping Station (\$12.159 million);
- ✓ Continue the Basement Flooding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



## Recommendations

The City Manager and Chief Financial Officer recommend that:

1. City Council approve the 2015 Recommended Capital Budget for Toronto Water with a total project cost of \$1.121 billion, and 2015 cash flow of \$782.403 million and future year commitments of \$2.983 billion comprised of the following:
  - a) New Cash Flow Funds for:
    - i. 286 new / change in scope sub-projects with a 2015 total project cost of \$1.121 billion that requires cash flow of \$42.771 million in 2015 and increases in future year cash flow commitments of \$218.605 million in 2016; \$227.416 million for 2017; \$173.716 million for 2018; \$111.014 million for 2019; \$129.441 million for 2020; \$119.762 million for 2021; \$29.548 million for 2022; \$28.368 million for 2023 and \$39.930 million for 2024.
    - ii. 219 previously approved sub-projects with a 2015 cash flow of \$683.650 million; and future years cash flow commitments of \$630.161 million in 2016; \$527.741 million for 2017; \$294.364 million for 2018; \$186.100 million for 2019; \$91.861 million for 2020; \$65.631 million for 2021; \$56.959 million for 2022; and \$52.152 million for 2023; and
2. 2014 approved cash flow for 122 previously approved sub-projects with carry forward funding from 2014 into 2015 totalling \$55.982 million.
3. City Council approve the 2016-2024 Recommended Capital Plan for Toronto Water totalling \$7.275 billion in project estimates, comprised of \$149.421 million in 2016; \$309.883 million for 2017; \$704.947 million for 2018; \$934.350 million for 2019; \$992.975 million for 2020; \$1.063 billion for 2021; \$1.085 billion for 2022; \$1,001.498 billion for 2023; and \$1.034 billion in 2024.
4. City Council consider the operating costs of \$0.820 million net in the 2015, (\$898.2 million) net in 2016; (\$0.121 million) net in 2017; \$5.895 million net in 2018; \$5.895 million net in 2019; \$2.504 million net in 2020; and \$0.050 million net in 2021 resulting from the approval of the 2015 Recommended Capital Budget for inclusion in the 2015 and future year operating budgets.
5. City Council approve 3 temporary capital positions for the delivery of new 2015 capital projects and that the duration for each temporary position not exceed the life and funding of its respective project / sub-project.
6. City Council request the Deputy City Manager and Chief Financial Officer in consultation with the General Manager, Toronto Water to advance the 2016 cashflow for the Basement Flooding projects into 2015, should it become evident that greater than planned volume of work can be completed, and that the 2016 – 2024 budgeted cash flows be adjusted accordingly as part of the 2016 Budget process.
7. City Council request General Manager, Toronto Water to report back with an update on the state of good repair backlog as part of the 2016 Budget Process.
8. This report be considered concurrently with the 2015 Water and Wastewater Rate Report from the Deputy City Manager and Chief Financial Officer and General Manager for Toronto Water.

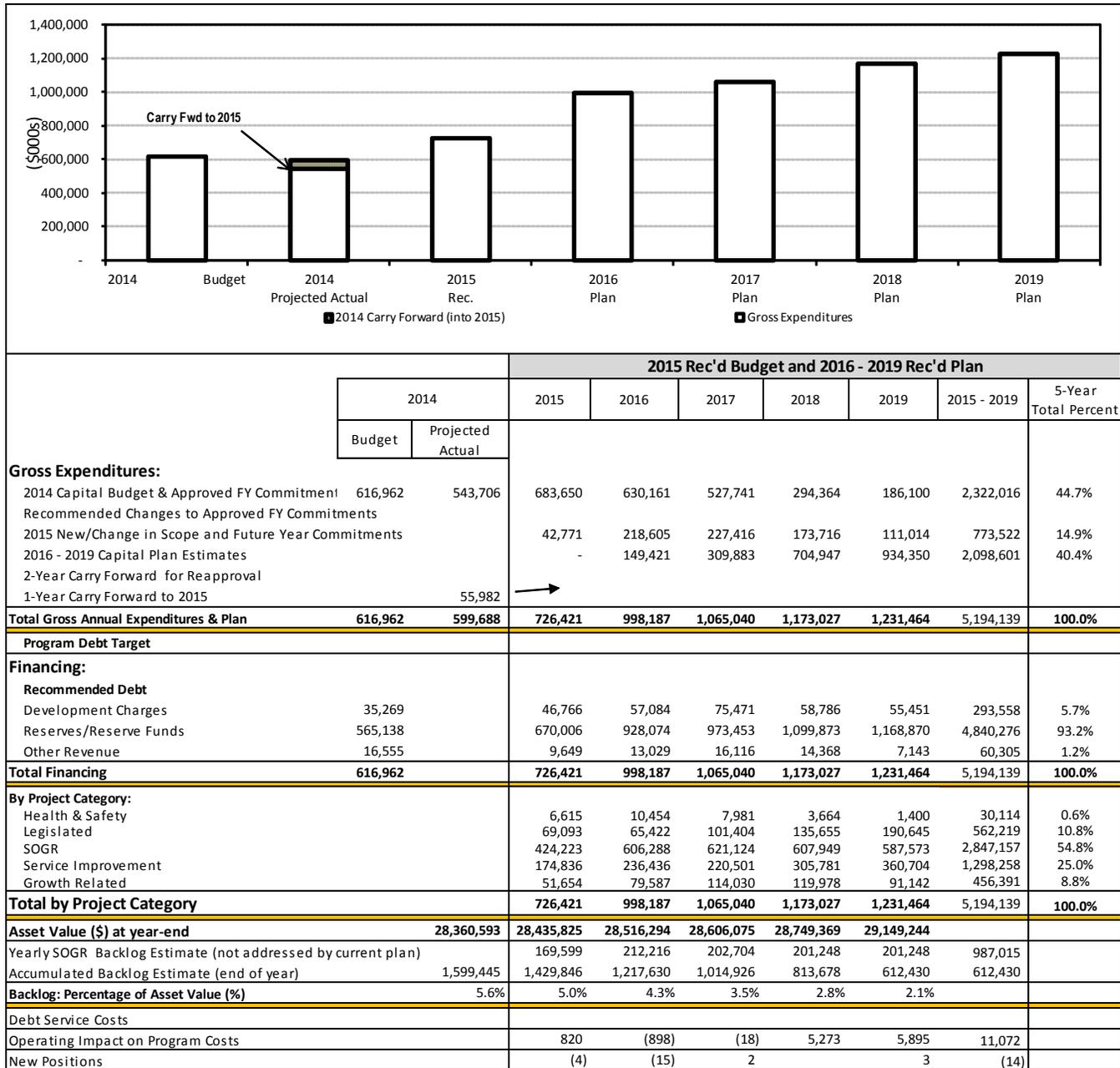


# **Part I:**

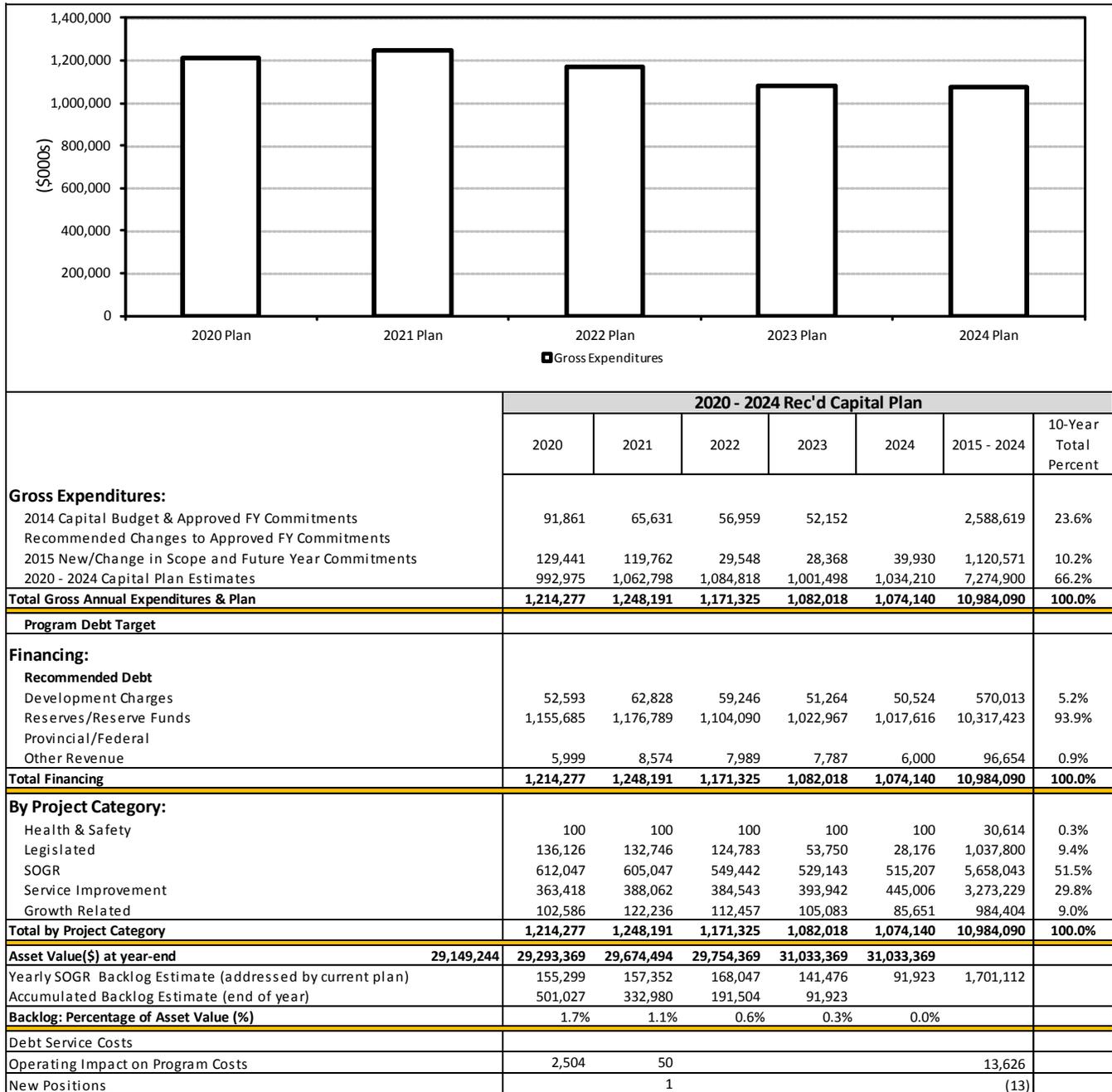
## 10-Year Capital Plan

# 10 Year Capital Plan

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



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

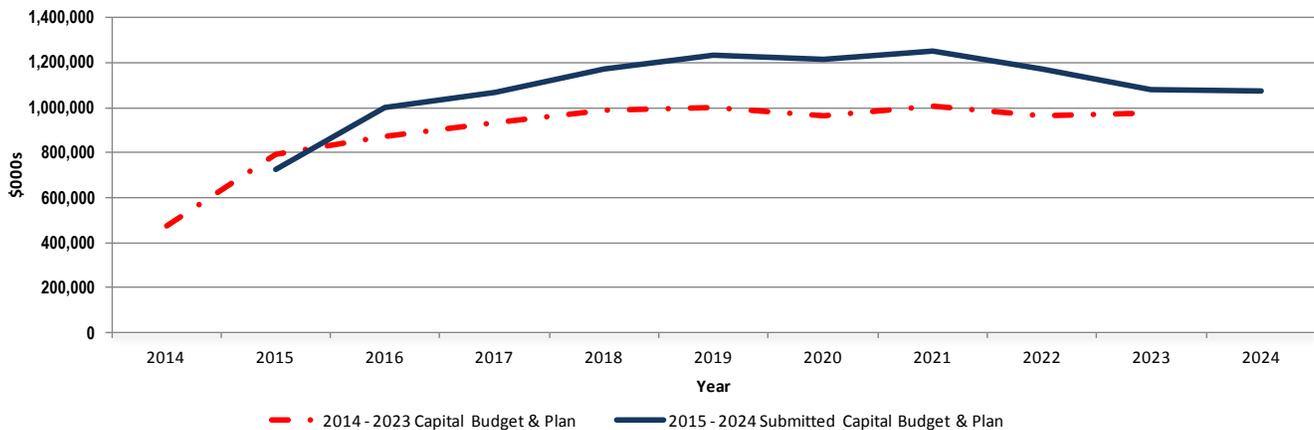


### Key Changes to the 2014 - 2023 Approved Capital Plan

The 2015 Recommended Capital Budget and the 2016 - 2024 Recommended Capital Plan reflects an increase of \$1.975 billion or 22% in capital funding from the 2014 to 2023 Approved Capital Plan.

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

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



|   | 2014    | 2015    | 2016    | 2017      | 2018      | 2019      | 2020      | 2021      | 2022      | 2023      | 2024      | 10-Year Total |
|---|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
| 2014 - 2023 Capital Budget & Plan           | 476,713 | 794,448 | 871,282 | 934,105   | 988,854   | 1,003,283 | 961,214   | 1,006,708 | 965,292   | 978,763   |           | 8,980,662     |
| 2015 - 2024 Submitted Capital Budget & Plan |         | 726,421 | 998,187 | 1,065,040 | 1,173,027 | 1,231,464 | 1,214,277 | 1,248,191 | 1,171,325 | 1,082,018 | 1,074,140 | 10,984,090    |
| Change %                                    |         | -8.6%   | 14.6%   | 14.0%     | 18.6%     | 22.7%     | 26.3%     | 24.0%     | 21.3%     | 10.5%     |           | 22.3%         |
| Change \$                                   |         | -68,027 | 126,905 | 130,935   | 184,173   | 228,181   | 253,063   | 241,483   | 206,033   | 103,255   |           | 2,003,428     |

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

- A level of funding in 2024 is over 2 times higher than funding requirements in 2014. Also, except for 2015, there are significant annual increases ranging from \$126.905 million in 2016 to \$253.063 million in 2020.

This change is driven by the increase of \$1.406 billion for the nine common years of the Capital Plans (2015-2023) as reflected in Table 2 on the following page. This significant increase in capital funding arises from the reprioritization of Toronto Water's capital projects, based on the following factors:

- During the 2014 Budget process, City Council amended the Capital Plan for Toronto Water, for future planning purposes, to reflect a water rate increase of 8% in the years 2015, 2016 and 2017.
  - The 2015-2024 Recommended Capital Budget and Plan has been based on water rate increases of 8% in 2015 and 2016, followed by 5% water rate increases in 2017 and 2018.
  - These rates were determined to be in line with the anticipated project schedules that would allow Toronto Water to deliver on key legislated, health and safety and state of good repair priority projects, while also addressing emerging service improvement priorities, such as Basement Flooding Protection and Wet Weather Flow Master Plan projects.
  - The anticipated rate increases will generate additional revenues of approximately \$1.117 billion over the nine common years of the Capital Plans.

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

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

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

| \$000s   | 2014    | 2015            | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           | 2023           | 2024      | 2015 - 2023 Total |
|--|---------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|-------------------|
| 2014 - 2023 Capital Budget & Plan                      | 476,713 | 794,448         | 871,282        | 934,105        | 988,854        | 1,003,283      | 961,214        | 1,006,708      | 965,292        | 978,763        |           | 8,503,949         |
| 2015 - 2024 Rec'd Capital Budget & Plan                |         | 726,421         | 998,187        | 1,065,040      | 1,173,027      | 1,231,464      | 1,214,277      | 1,248,191      | 1,171,325      | 1,082,018      | 1,074,140 | 9,909,950         |
| <b>Capital Budget &amp; Plan Changes (2015 - 2023)</b> |         | <b>(68,027)</b> | <b>126,905</b> | <b>130,935</b> | <b>184,173</b> | <b>228,181</b> | <b>253,063</b> | <b>241,483</b> | <b>206,033</b> | <b>103,255</b> |           | <b>1,406,001</b>  |

|  | Total Project Cost | 2015            | 2016            | 2017            | 2018           | 2019           | 2020           | 2021           | 2022           | 2023            | 2015 - 2023      | 2024             | Revised Total Project Cost |
|--|--------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|------------------|----------------------------|
| <b>Previously Approved</b>   |                    |                 |                 |                 |                |                |                |                |                |                 |                  |                  |                            |
| <b>Water Treatment &amp; Supply</b>                                      |                    |                 |                 |                 |                |                |                |                |                |                 |                  |                  |                            |
| FJ Horgan Treatment Plant  | 223,728            | (3,662)         | 5,504           | 2,053           | 3,540          | 2,245          | 824            | 575            | 475            |                 | 11,554           | 200              | 223,728                    |
| Island Water Treatment Plant   | N/A                | (2,690)         | 3,345           | 6,070           | 1,050          | (5,000)        | (1,200)        | 10             |                |                 | 1,585            | 525              | N/A                        |
| R.C. Harris Water Treatment Plant  | N/A                | (6,919)         | 7,832           | 5,285           | 7,708          | 7,507          | 6,000          | 3,000          | (6,950)        | (8,000)         | 15,463           | 500              | N/A                        |
| R.L. Clark Water Treatment Plant   | N/A                | (5,152)         | (3,442)         | 9,458           | 989            | (7,374)        | (6,000)        |                |                |                 | (11,521)         | 150              | N/A                        |
| Watermain Rehabilitation (Cleaning & Lining)                             | N/A                | 16,847          | 17,070          | 6,704           | 19,462         | 12,393         | 7,438          | 6,633          | 3,325          | (34)            | 89,838           | 74,108           | N/A                        |
| Watermain Replacement  | N/A                | (13,973)        | 17,994          | 14,172          | 1,570          | 2,445          | 1,222          | 734            | 1,169          | 1,338           | 26,671           | 124,000          | N/A                        |
| Water Service Repair   | N/A                | 6,182           | 10,003          | 9,844           | 9,775          | 9,703          | 9,629          | 9,553          | 9,475          | 9,394           | 83,558           | 30,239           | N/A                        |
| Transmission Watermains  | N/A                | 986             | 6,230           | 15,306          | 8,808          | (22,015)       | (3,460)        | 16,020         | 10,020         | 2,700           | 34,595           | 5,850            | N/A                        |
| WT Storage and Treatment   | N/A                | (544)           | 35,322          | 27,163          | 1,223          | 5,784          | 8,200          | 1,800          | 1,575          | 685             | 81,208           | 28,200           | N/A                        |
| Water Meter Program (AMR)  | 267,684            | (18,736)        | (14,308)        | (2,485)         |                |                |                |                |                |                 | (35,529)         | -                | 232,155                    |
| Business & Technical Improvements  | N/A                | (8,319)         | 1,195           | 5,769           | 9,342          | 13,508         | 2,412          | 1,176          | 754            | 1,459           | 27,296           | 2,479            | N/A                        |
| <b>Subtotal</b>  | <b>491,412</b>     | <b>(35,980)</b> | <b>86,745</b>   | <b>99,339</b>   | <b>63,467</b>  | <b>19,196</b>  | <b>25,065</b>  | <b>39,501</b>  | <b>19,843</b>  | <b>7,542</b>    | <b>324,718</b>   | <b>266,771</b>   |                            |
| <b>Wastewater Collection &amp; Treatment &amp; Stormwater Management</b> |                    |                 |                 |                 |                |                |                |                |                |                 |                  |                  |                            |
| Ashbridges Bay Wastewater Treatment Plant (ABTP)                         | N/A                | (34,047)        | (26,790)        | (10,878)        | (29,694)       | 33,960         | 1,331          | (29,462)       | (18,446)       | (76,390)        | (190,416)        | 80,640           | N/A                        |
| Highland Creek Wastewater Treatment Plant (HCTP)                         | N/A                | (21,311)        | 9,389           | (4,281)         | 40             | 25,022         | 44,756         | 51,130         | 24,843         | 31,453          | 161,041          | 11,130           | N/A                        |
| Humber Wastewater Treatment Plant  | N/A                | 10,137          | 14,570          | 13,036          | 4,392          | 9,136          | 17,715         | 5,535          | (28,980)       | (12,755)        | 32,786           | 16,125           | N/A                        |
| Sewer System Rehabilitation & Trunk Sewer & Sewage Pumping Stations      | N/A                | 15,099          | (5,339)         | (14,107)        | 8,396          | 1,558          | 5,150          | 5,300          | 5,400          | 5,400           | 26,857           | 110,036          | N/A                        |
| Sewer Replacement Program  | N/A                | (19,125)        | (484)           | 6,295           | 1,297          | 1,786          |                |                |                | 5,000           | (5,231)          | 55,000           | N/A                        |
| New Sewer Construction   | N/A                | 2,530           | 2,840           | 2,840           | 2,840          | 2,840          | 2,840          | 2,840          | 2,840          | 2,840           | 25,250           | 16,840           | N/A                        |
| Pumping Stations   | N/A                | (4,044)         | 568             | 888             | 2,430          | 3,745          | 1,278          | 228            | 80             | 60              | 5,233            | 2,100            | N/A                        |
| Basement Flooding Relief   | N/A                | (21,250)        | (35,089)        | 4,740           | 29,951         | 6,713          | (3,986)        | 7              |                | 1,000           | (17,914)         | 111,540          | N/A                        |
| Waterfront   | N/A                | 13,939          | 8,020           |                 |                |                |                |                |                |                 | 21,959           |                  | N/A                        |
| WeteWater Flow Stream Restoration & Implementation Projects              | N/A                | 1,565           | 5,736           | (21,641)        | (5,885)        | 15,205         | 20,670         | 26,670         | 72,497         | 10,870          | 125,687          | 227,592          | N/A                        |
| Yards & Facility Improvements  | N/A                | 304             | 595             | 725             | 840            | 640            | 40             | 640            | 840            | (9,060)         | (4,436)          | 5,240            | N/A                        |
| <b>Subtotal</b>  | <b>-</b>           | <b>(56,203)</b> | <b>(25,984)</b> | <b>(22,383)</b> | <b>14,607</b>  | <b>100,605</b> | <b>89,794</b>  | <b>62,888</b>  | <b>59,074</b>  | <b>(41,582)</b> | <b>180,816</b>   | <b>636,243</b>   |                            |
| <b>Linear Infrastructure Engineering</b>                                 | N/A                | 5,156           | 15,495          | 12,347          | 12,303         | 13,564         | 27,303         | 25,280         | 19,335         | 19,992          | 150,775          | 63,785           | N/A                        |
| <b>New Service Connections</b>   | N/A                | 8,582           | 8,680           | 952             | 7,101          | 4,754          | 4,911          | 5,074          | 5,241          | 5,413           | 50,708           | 9,091            | N/A                        |
| <b>Total Previously Approved</b>   | <b>491,412</b>     | <b>(78,445)</b> | <b>84,936</b>   | <b>90,255</b>   | <b>97,478</b>  | <b>138,119</b> | <b>147,073</b> | <b>132,743</b> | <b>103,493</b> | <b>(8,635)</b>  | <b>707,017</b>   | <b>975,890</b>   |                            |
| <b>Added Funding/Projects</b>  |                    |                 |                 |                 |                |                |                |                |                |                 |                  |                  |                            |
| R.C. Harris Water Treatment Plant  | N/A                | 300             | 1,270           | 250             |                |                |                |                |                |                 | 1,820            |                  | N/A                        |
| Island Water Treatment Plant   | N/A                | 15              | 90              | 490             | 45             |                |                |                |                |                 | 640              |                  | N/A                        |
| WT Storage, Treatment and Pumping Station                                | N/A                | -               | -               | 1,700           | 17,200         | 5,750          | 11,300         | 8,700          | 1,550          | 8,950           | 55,150           | 850              | N/A                        |
| Transmission Watermains  | N/A                | 250             | 3,640           | 4,270           | 640            |                |                |                |                |                 | 8,800            |                  | N/A                        |
| Ashbridges Bay Wastewater Treatment Plant                                | N/A                | 200             | 1,100           | 3,400           | 14,400         | 12,000         | 6,500          | 6,300          | 6,400          | 6,500           | 56,800           | 6,500            | N/A                        |
| Highland Creek Wastewater Treatment Plant                                | N/A                | 600             | 2,650           | 4,150           | 3,600          | 1,400          |                |                |                |                 | 12,400           |                  | N/A                        |
| Basement Flooding Relief Projects  | N/A                | 3,720           | 12,530          | 17,030          | 36,142         | 63,412         | 80,690         | 86,240         | 86,590         | 84,940          | 471,294          | 76,900           | N/A                        |
| Wet Weather Flow Implementation Plan                                     | N/A                | 5,333           | 20,689          | 9,390           | 14,668         | 7,500          | 7,500          | 7,500          | 8,000          | 11,500          | 92,080           | 14,000           | N/A                        |
| <b>Total New</b>   | <b>-</b>           | <b>10,418</b>   | <b>41,969</b>   | <b>40,680</b>   | <b>86,695</b>  | <b>90,062</b>  | <b>105,990</b> | <b>108,740</b> | <b>102,540</b> | <b>111,890</b>  | <b>698,984</b>   | <b>98,250</b>    |                            |
| <b>Total Changes</b>   | <b>491,412</b>     | <b>(68,027)</b> | <b>126,905</b>  | <b>130,935</b>  | <b>184,173</b> | <b>228,181</b> | <b>253,063</b> | <b>241,483</b> | <b>206,033</b> | <b>103,255</b>  | <b>1,406,001</b> | <b>1,074,140</b> |                            |

## Significant Capital Project Changes in Toronto Water:

### Added Funding/Projects:

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

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

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

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

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

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

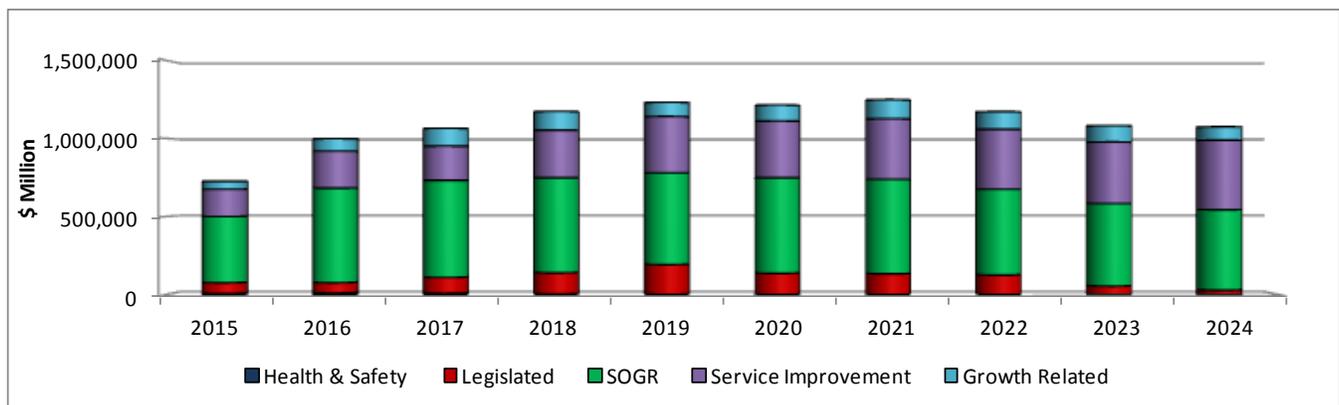
### Major Reductions in Toronto Water Previously Approved Capital Projects:

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

- The funding allocation for *the Automated Water Meter Program (AMR)* was reduced by \$35.529 million due to lower than expected costs associated with the installation of the large meters and lower than anticipated commodity and labour prices.

- The capital program at the *Ashbridges Bay Treatment Plant* has been updated to address coordination and sequencing requirements as \$1.7 billion of investment is expected to be undertaken at the plant to address Federal Wastewater Effluent requirements and state of good repair work.
- Over the 2015-2024 planning period, there were cashflow realignments for a variety of other projects, which reflect more updated schedules for implementation and realignment of projects between different program areas.

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



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

- Health and Safety projects account for approximately 0.3% or \$30.614 million and it is allocated mostly within the first 5 years of the 10-Year Capital Plan period in order to improve the safety and upgrade electrical systems at Ashbridges Bay, Humber and North Toronto wastewater treatment plants.
- Legislated projects represent 9.4% or \$1.038 billion of total funding. These projects are required to comply with existing and emerging provincial and federal legislation. Funding for Legislative projects is expected to increase in future years as regulations governing water supply and wastewater treatment continue to become more stringent.
- State of Good Repair drive Toronto Water's capital program and remain at stable levels over the period in order to ensure the continued reduction and possible elimination of Toronto Water's infrastructure renewal backlog by 2024, estimated at \$1.641 billion at the end of 2013.
- Service Improvement projects represent approximately 30% or \$3.273 billion of total funding in the 10-Year Capital Plan. Capital funding for these projects increases consistently over the 10 year period, from \$174.836 million in 2015 to \$445.006 million in 2024, primarily due to anticipated increase in funding from water rates that have allowed Toronto Water to include the majority of previously unfunded Basement Flooding and Wet Weather Flow service improvement projects in its 10-Year Capital Plan.

- Growth projects constitute about 9% or \$984.404 million of the total. Funding for anticipated growth projects such as new and enhanced watermains and service connections is consistent over the 10-Year Capital Plan period, averaging \$34.075 million per year. However, funding for planned significant stand alone projects will vary from year to year based on growth requirements.

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

|   | Total App'd Cash Flows to Date* | 2015 Budget    | 2016 Plan      | 2017 Plan        | 2018 Plan        | 2019 Plan        | 2020 Plan        | 2021 Plan        | 2022 Plan        | 2023 Plan        | 2024 Plan        | 2015 - 2024 Total | Rec'd Total Project Cost |
|---|---------------------------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------------|
| <b>Total Expenditures by Category</b>   |                                 |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   |                          |
| <b>State of Good Repair (including Health &amp; Safety and Legislated projects)</b> |                                 |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   |                          |
| Watermain Rehabilitation (Cleaning & Lining)  | N/A                             | 49,218         | 62,572         | 70,041           | 69,438           | 67,512           | 67,705           | 72,052           | 73,901           | 74,003           | 74,108           | 680,550           | N/A                      |
| Watermain Replacement   | N/A                             | 55,592         | 76,877         | 72,055           | 85,000           | 92,000           | 100,000          | 104,000          | 106,000          | 106,000          | 106,000          | 903,524           | N/A                      |
| Water Service Repair  | N/A                             | 19,292         | 27,169         | 27,248           | 28,008           | 28,483           | 28,972           | 29,476           | 29,996           | 29,713           | 30,239           | 278,596           | N/A                      |
| Sewer System Rehabilitation   | N/A                             | 32,524         | 34,820         | 30,100           | 49,500           | 50,000           | 56,650           | 58,345           | 60,036           | 60,036           | 60,036           | 492,047           | N/A                      |
| Sewer Replacement Program   | N/A                             | 23,042         | 36,938         | 42,391           | 41,900           | 46,786           | 50,000           | 55,000           | 55,000           | 55,000           | 55,000           | 461,057           | N/A                      |
| Linear Infrastructure Engineering   | N/A                             | 53,543         | 67,323         | 65,615           | 60,352           | 62,723           | 76,259           | 68,126           | 61,748           | 63,081           | 59,235           | 638,005           | N/A                      |
| Transmission Watermains   | N/A                             | 21,835         | 19,945         | 9,697            | 3,518            | 3,105            | 2,250            | 5,250            | 5,250            | 5,250            | 5,250            | 81,350            | N/A                      |
| R.L. Clark Water Treatment Plant  | N/A                             | 11,828         | 10,840         | 22,212           | 13,895           | 5,375            | 10,150           | 20,150           | 20,150           | 150              | 150              | 114,900           | N/A                      |
| R.C. Harris Water Treatment Plant   | N/A                             | 6,613          | 17,182         | 12,885           | 18,358           | 14,507           | 14,650           | 11,500           | 1,700            | 500              | 500              | 98,395            | N/A                      |
| FJ Horgan Treatment Plant   | 205,440                         | 2,061          | 4,200          | 5,283            | 3,250            | 620              | 1,024            | 775              | 675              | 200              | 200              | 18,288            | 223,728                  |
| Island Water Treatment Plant  | N/A                             | 3,050          | 8,239          | 9,560            | 7,825            | 7,625            | 2,575            | 385              | 525              | 375              | 525              | 40,684            | N/A                      |
| Trunk Sewer & Sewage Pumping Stations   | N/A                             | 26,693         | 28,550         | 27,847           | 27,784           | 26,096           | 25,011           | 25,000           | 25,000           | 25,000           | 25,000           | 261,981           | N/A                      |
| Ashbridges Bay Wastewater Treatment Plant (ABTP)                                    | N/A                             | 69,313         | 117,750        | 184,368          | 224,763          | 257,069          | 203,107          | 191,159          | 176,849          | 108,820          | 65,140           | 1,598,338         | N/A                      |
| Highland Creek Wastewater Treatment Plant (HCTP)                                    | N/A                             | 28,478         | 63,492         | 43,460           | 32,600           | 24,545           | 10,520           | 18,650           | 25,500           | 19,400           | 11,130           | 277,775           | N/A                      |
| Humber Wastewater Treatment Plant   | N/A                             | 56,589         | 57,026         | 70,337           | 55,483           | 55,680           | 59,305           | 45,880           | 2,325            | 4,245            | 16,125           | 422,995           | N/A                      |
| Stream Restoration & Erosion Control  | N/A                             | 13,266         | 11,995         | 12,049           | 11,036           | 15,675           | 15,410           | 14,910           | 12,310           | 12,310           | 13,310           | 132,271           | N/A                      |
| Other Projects  | N/A                             | 26,994         | 37,246         | 25,361           | 14,558           | 21,817           | 24,685           | 17,235           | 17,360           | 18,910           | 21,535           | 225,701           | N/A                      |
| <b>Sub-Total</b>  |                                 | <b>499,931</b> | <b>682,164</b> | <b>730,509</b>   | <b>747,268</b>   | <b>779,618</b>   | <b>748,273</b>   | <b>737,893</b>   | <b>674,325</b>   | <b>582,993</b>   | <b>543,483</b>   | <b>6,726,457</b>  |                          |
| <b>Service Improvements</b>   |                                 |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   |                          |
| Basement Flooding Relief  | N/A                             | 62,080         | 82,833         | 129,094          | 167,069          | 176,625          | 178,204          | 183,747          | 189,090          | 188,440          | 188,440          | 1,545,622         | N/A                      |
| Don & Waterfront Trunk CSO  | N/A                             | 6,150          | 12,601         | 4,000            | 28,546           | 52,180           | 54,180           | 56,180           | 106,807          | 90,680           | 116,500          | 527,824           | N/A                      |
| Wet Weather Flow - Implementation Projects  | N/A                             | 34,888         | 41,217         | 29,332           | 39,065           | 35,271           | 41,134           | 52,799           | 40,037           | 57,158           | 95,782           | 466,683           | N/A                      |
| Highland Creek Wastewater Treatment Plant - Solids & Gas Handling                   | N/A                             | 3,957          | 9,305          | 11,420           | 31,775           | 58,032           | 71,383           | 68,050           | 20,285           | 16,250           |                  | 290,457           | N/A                      |
| Ashbridges Bay Wastewater Treatment Plant - Liquid Treatment & Handling             | N/A                             | 4,423          | 4,970          | 6,242            | 8,595            | 5,660            | 1,050            | 10,000           | 10,000           | 20,000           | 22,000           | 92,940            | N/A                      |
| Water Meter Program (AMR)   | 172,353                         | 26,920         | 30,367         | 2,515            |                  |                  |                  |                  |                  |                  |                  | 59,802            | 232,155                  |
| Other Projects  | N/A                             | 36,418         | 55,143         | 37,898           | 30,731           | 32,936           | 17,467           | 17,286           | 18,324           | 21,414           | 22,284           | 289,901           | N/A                      |
| <b>Sub-Total</b>  |                                 | <b>174,836</b> | <b>236,436</b> | <b>220,501</b>   | <b>305,781</b>   | <b>360,704</b>   | <b>363,418</b>   | <b>388,062</b>   | <b>384,543</b>   | <b>393,942</b>   | <b>445,006</b>   | <b>3,273,229</b>  |                          |
| <b>Growth Related</b>   |                                 |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   |                          |
| New Service Connections   | N/A                             | 26,082         | 26,180         | 18,452           | 24,601           | 22,254           | 22,411           | 22,574           | 22,741           | 22,913           | 23,091           | 231,299           | N/A                      |
| New Sewer Construction  | N/A                             | 6,330          | 10,840         | 12,840           | 12,840           | 14,840           | 16,840           | 16,840           | 16,840           | 16,840           | 16,840           | 141,890           | N/A                      |
| Trunk Sewers & Pumping Stations   | N/A                             | -              | 600            | 800              | 5,500            | 8,500            | 10,000           | 10,000           | 25,000           | 25,000           | 25,000           | 110,400           | N/A                      |
| Trunk Water Mains   | N/A                             | 798            | 11,850         | 38,800           | 35,170           | 11,350           | 13,550           | 34,920           | 24,525           | 11,000           | 600              | 182,563           | N/A                      |
| Lawrence Allan Revitalization Plan  | N/A                             | 6,338          | 3,354          | 18,078           | 2,127            | 3,531            |                  |                  |                  |                  |                  | 33,428            | N/A                      |
| Regent Park Capital Contribution  | N/A                             | 1,167          | 1,803          | 475              | 1,090            | 632              | 37               | 54               | 31               |                  |                  | 5,289             | N/A                      |
| Other Projects  | N/A                             | 10,939         | 24,960         | 24,585           | 38,650           | 30,035           | 39,748           | 37,848           | 23,320           | 29,330           | 20,120           | 279,535           | N/A                      |
| <b>Sub-Total</b>  |                                 | <b>51,654</b>  | <b>79,587</b>  | <b>114,030</b>   | <b>119,978</b>   | <b>91,142</b>    | <b>102,586</b>   | <b>122,236</b>   | <b>112,457</b>   | <b>105,083</b>   | <b>85,651</b>    | <b>984,404</b>    |                          |
| <b>Total Expenditures by Category</b>   |                                 | <b>726,421</b> | <b>998,187</b> | <b>1,065,040</b> | <b>1,173,027</b> | <b>1,231,464</b> | <b>1,214,277</b> | <b>1,248,191</b> | <b>1,171,325</b> | <b>1,082,018</b> | <b>1,074,140</b> | <b>10,984,090</b> |                          |
| <b>Major IT Projects</b>  |                                 |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   |                          |
| Business System Infrastructure  | N/A                             | 5,740          | 3,929          | 1,004            | 1,007            | 637              | 587              | 2,011            | 1,234            | 1,409            | 1,379            | 18,937            | N/A                      |
| Asset Management Implementation   | N/A                             |                | 500            | 1,000            | 1,000            | 1,000            | 1,000            | 1,000            | 1,000            | 500              |                  | 7,000             | N/A                      |
| Business IT Projects  | N/A                             |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                   | N/A                      |
| Business Intelligence Initiatives   | N/A                             | 280            |                |                  |                  |                  |                  |                  |                  |                  |                  | 280               | N/A                      |
| Backflow Inspection Portal  | N/A                             |                | 200            | 200              |                  |                  |                  |                  |                  |                  |                  | 400               | N/A                      |
| <b>Total Major IT Projects</b>  |                                 | <b>6,020</b>   | <b>4,629</b>   | <b>2,204</b>     | <b>2,007</b>     | <b>1,637</b>     | <b>1,587</b>     | <b>3,011</b>     | <b>2,234</b>     | <b>1,909</b>     | <b>1,379</b>     | <b>26,617</b>     |                          |

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

**2015-2024 Recommended Capital Projects**

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

- In addition to the state of good repair projects, considerable funding is provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding and growth related projects, some of which is recovered from Development Charges.
- Funding pressures identified in prior budget cycles have been incorporated into the Capital Plan and sequenced to address coordination and delivery-ability of the capital program.

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

- A primary focus of the 2015-2024 Recommended Capital Budget and Plan remains on the on-going state of good repair projects for linear infrastructure renewal to ensure the replacement or rehabilitation of aging watermains and sewers, and investment in the City's aging wastewater treatment facilities.
- State of Good Repair funding included in the 10-Year Recommended Capital Plan will address Toronto Water's SOGR backlog, currently estimated \$1.641 billion (2013 estimate) and projected to be reduced to \$91.923 million by year-end 2023, if the current funding allocated to State of Good Repair projects is not reduced over the next 10 years.
- It should be noted that Toronto Water is undertaking a review to define its requirements for an integrated Asset Management Solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in 2015. It is recommended that the General Manager, Toronto Water provide a status update as part of the 2016 Budget process.

### ***Service Improvements***

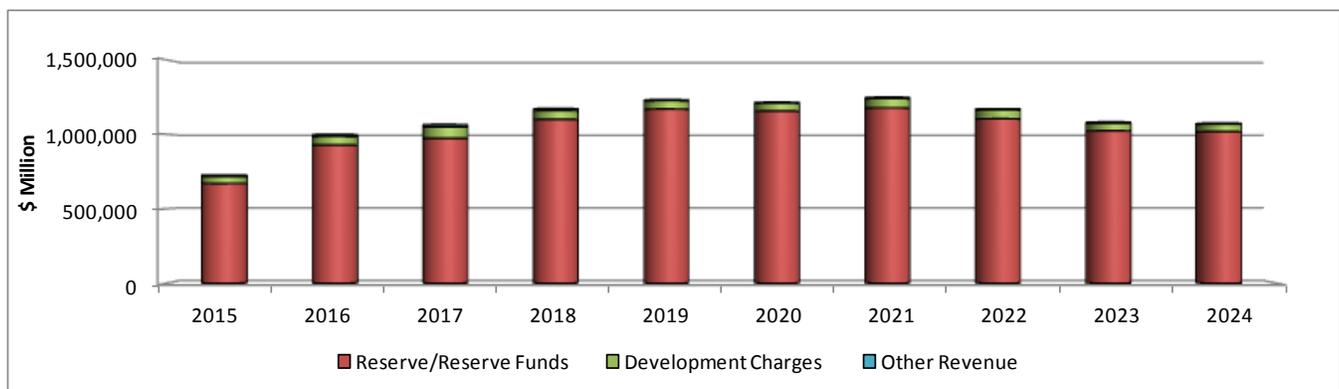
- Approximately \$1.546 billion or 14% of total funding over the 10-year period has been allocated to implement the Basement Protection Program projects in basement flooding study areas across the City, which will reduce the risk of future flooding during extreme storm events.
- The 2015 -2024 Recommended Capital Budget and Plan provides funding of \$527.824 million for the Don River and Waterfront Trunk / Combined Sewer Outfall (CSO) project to improve the City's environment and also provide operational improvements for the critical Coxwell Sanitary Trunk Sewer that services approximately 750,000 residents.
  - Phase 1, the Coxwell Bypass Tunnel has been accelerated within the 10-year Capital Plan period to be completed by 2022. Phase 2, Taylor-Massey Creek Tunnel, which was previously outside of the 10-year Capital Plan has been accelerated to start detailed design in 2019.
- Funding is also included for the implementation of other water quality improvement projects from the City's Wet Weather Flow Master Plan to reduce and ultimately eliminate the adverse impacts of polluted stormwater and combined sewer overflows (CSOs) that are discharged from outfalls to the City's watercourses and the waterfront.
  - These projects will achieve a measurable improvement in ecosystem health of the City's watersheds and waterfront, and improved water quality along the City's waterfront beaches.
  - Projects totaling \$142.010 million over the 10-Year planning period include CSO Control End of Pipe facilities, such as underground storage and treatment tanks and stormwater ponds.

- Funding has also been allocated for City-wide wet weather flow stream restoration work to protect vulnerable City infrastructure from water course erosion impact of severe storms, as well as \$91.500 million in funding for the TRCA's stream restoration and erosion control projects over the next 10 years.
- The Highland Creek Waste Water Treatment Plant projects totaling \$150.796 million over the 10-year planning period, include biosolids and gas handling implementation.
- The Water Metering Program approved in 2008, entails the City-wide water meter replacement program coupled with the concurrent installation of automated meter reading technology. Funding of \$59.802 million is included to complete this project by 2017.

**Growth Related**

- The largest projects in this category are the trunk watermain expansion and upgrade projects. Funding of \$182.563 million is included to increase the hydraulic capacity in the Toronto Water supply system over the 10-Year Capital Plan period. Many of these projects are cost shared with the Region of York.
- The 2015-2024 Recommended Capital Budget and Plan allocates funding for the New Sewer Construction and New Service Connection projects totaling \$373.189 million to provide the necessary servicing capacity for the projected population growth and for the installation of service connections for new homes and developments.
- Toronto Water will also provide funding for growth related component of the Lawrence Allan Revitalization Plan (\$33.428 million) and the Regent Park Revitalization project (\$5.289 million).

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



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

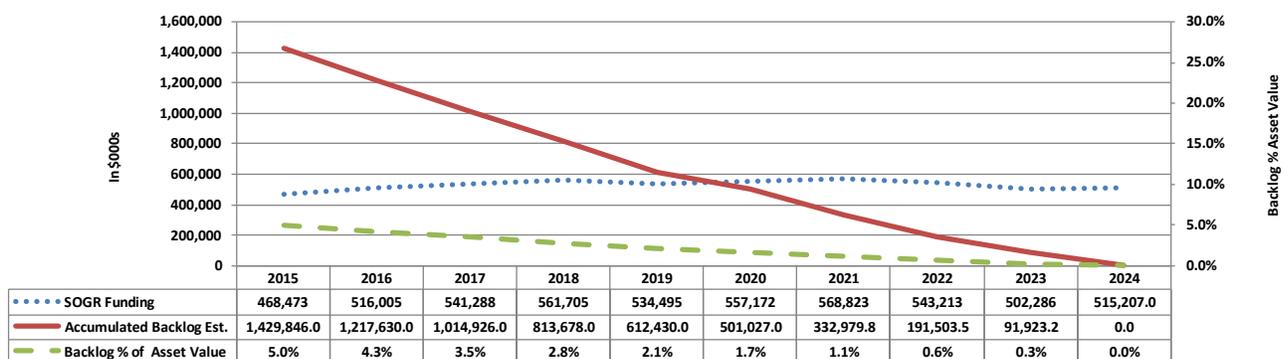
- The 10-Year Recommended Capital Plan of \$10.984 billion will be funded primarily from the Program's reserves, representing approximately 93.9% or \$10.317 billion of total capital financing.
  - Capital funding from Toronto Water reserves increases from \$670.006 million in 2015 to \$1.177 billion in 2021. This increase in reserve funding coincides with the planned water rate

increases to fund the implementation schedules for large capital projects such as Ashbridges Bay Waste Water Treatment Plant disinfection and outfall construction projects, Highland Creek Biosolids project and Basement Flooding Protection projects.

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

### State of Good Repair (SOGR) Backlog

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



- The information on the State of Good Repair backlog presented in the above chart is based on 2013 data. Toronto Water continues to assess the condition of its asset classes through discrete projects.
- At the end of 2013, the replacement value of Toronto Water's assets was estimated at \$28.256 billion incorporating both linear (watermains, sewers) and facility/plant (water treatment plants, wastewater treatment plants, pumping stations) assets.
  - Linear infrastructure assets represent approximately 74% of the total asset value at \$20.985 billion.
  - Facility/plant assets account for the remaining 26% or \$7.271 billion.
- As of the end of 2013, Toronto Water had an estimated backlog of state of good repair work for linear and plant infrastructure renewal estimated at \$1.641 billion, representing 5.8% of the asset replacement value. Approximately 61% or \$1.008 billion of the backlog relates to linear infrastructure, with the remaining 39% or \$0.633 billion representing facilities.

- The backlog estimate for the various facilities is based on detailed assessment/surveys undertaken in 2005 and 2008. Through these assessments, the facility backlog in 2008 was established as \$520 million. In addition, an annual renewal need of \$140 million was defined based on the forecasted life expectancy of various components of the facilities and their appraised replacement costs.
- The backlog estimate for linear infrastructure was established based on a probability model forecasting failure rates based on defined life expectancy ranges for a categorized list of pipes. This backlog was estimated to be \$1.25 billion with an additional annual renewal rate of \$111 million.
- The linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates have been periodically updated to reflect changes in unit rates for replacement and changing condition of the asset.
- The 10-Year Recommended Capital Budget and Plan dedicates \$5.658 billion or \$566 million on average annually, to address state of good repair, which is anticipated to eliminate the backlog by 2024.
- The state of good repair backlog by asset category, based on the 2013 data is presented in the table below:

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

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

- While both categories of assets have historically received funding for state of good repair projects, the accumulated backlog of projects for linear infrastructure has been addressed at a higher rate, resulting in a proportionally lower backlog representing 4.8% of its replacement value at the end of 2013, compared to 8.7% for facilities.
- Toronto Water has planned for a significant investment in both its linear renewal program, as well as its facilities/plants over the next 10 years to address its state of good repair backlog based on assessments undertaken in 2005 and 2008.
- Additional condition assessments of infrastructure continue to be undertaken based on asset classes. The condition assessment of booster pumping stations and sewer pipes was completed in 2014 and has resulted in the addition of a pumping station rehabilitation plan to Toronto Water's 10 year capital plan. Condition assessments of sewage pumping stations continue to be undertaken on a prioritized basis and a facility condition assessment is planned to be undertaken

over 2 years starting in 2015. New methods for inspection of pressurized pipe are being explored to assess condition of assets without taking the pipes out of service during the inspection.

- In addition to the condition assessments, Toronto Water is undertaking a review to define its requirements to develop an integrated Asset Management solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in 2015. It is recommended that the General Manager, Toronto Water provide a status update on the state of good repair backlog, as part of the 2016 Budget Process.

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

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

| Projects   | 2015 Rec'd Budget |              | 2016 Plan      |               | 2017 Plan     |            | 2018 Plan      |           | 2019 Plan      |            | 2015 - 2019     |               | 2015 - 2024     |               |
|--|-------------------|--------------|----------------|---------------|---------------|------------|----------------|-----------|----------------|------------|-----------------|---------------|-----------------|---------------|
|  | \$000s            | Positions    | \$000s         | Positions     | \$000s        | Positions  | \$000s         | Positions | \$000s         | Positions  | \$000s          | Positions     | \$000s          | Positions     |
| <b>Previously Approved Projects</b>  |                   |              |                |               |               |            |                |           |                |            |                 |               |                 |               |
| Dufferin Reservoir Expansion   | 27.0              |              |                |               |               |            |                |           |                |            | 27.0            |               | 27.0            |               |
| Ashbridges Bay Process & Equipment   | 100.0             |              |                |               |               |            |                |           |                |            | 100.0           |               | 100.0           |               |
| Ashbridges Bay Odour Control   | 175.0             |              |                |               |               |            |                |           |                |            | 175.0           |               | 175.0           |               |
| Ashbridges Bay WWTP "D" Building and Biofilter                                   | 300.0             |              |                |               |               |            |                |           |                |            | 300.0           |               | 300.0           |               |
| Ashbridges Bay WWTP - New Generators   | 155.0             |              |                |               |               |            |                |           |                |            | 155.0           |               | 155.0           |               |
| Humber Treatment Plant - Chlorine Facility Upgrades                              | 100.0             | 1.0          |                |               |               |            |                |           |                |            | 100.0           | 1.0           | 100.0           | 1.0           |
| Humber Treatment Plant - Odour Control   | 95.0              |              |                |               |               |            |                |           |                |            | 95.0            |               | 95.0            |               |
| Automated Water Meter Program  | (331.0)           | (7.0)        | (1,340.0)      | (17.0)        |               |            |                |           |                |            | (1,671.0)       | (24.0)        | (1,671.0)       | (24.0)        |
| Humber Treatment Plant - Cogeneration Upgrades                                   |                   |              |                |               | (600.0)       |            |                |           |                |            | (600.0)         |               | (600.0)         |               |
| Highland Creek WWTP Process and Facility Upgrades - Biosolids Treatment Upgrades |                   |              |                |               |               |            | 5,220.0        |           | 5,530.0        |            | 10,750.0        |               | 10,750.0        |               |
| Highland Creek WWTP Process and Facility Upgrades - Corrosion Control            | 15.0              |              | 63.0           |               | 52.0          |            |                |           |                |            | 130.0           |               | 130.0           |               |
| Laboratory Equipment (Warranty Expiry)   | 45.0              |              |                |               |               |            |                |           |                |            | 45.0            |               | 45.0            |               |
| Transmission Operations Optimiser  |                   |              | 100.0          | 1.0           |               |            |                |           |                |            | 100.0           | 1.0           | 100.0           | 1.0           |
| Business IT Projects   |                   |              |                |               |               |            |                |           | 250.0          | 2.0        | 250.0           | 2.0           | 250.0           | 2.0           |
| Waterfront/ East Bay   |                   |              |                |               | 240.0         |            |                |           |                |            | 240.0           |               | 240.0           |               |
| CCTV Inspection  | 139.5             | 2.0          | 128.7          | 1.0           | 87.1          | 1.0        |                |           |                |            | 355.3           | 4.0           | 355.3           | 4.0           |
| Basement Flooding Relief   |                   |              | 100.0          |               | 100.0         |            | 53.0           |           |                |            | 253.0           |               | 253.0           |               |
| SWM End of Pipe Facilities - North Toronto                                       |                   |              | 50.0           |               |               |            |                |           |                |            | 50.0            |               | 50.0            |               |
| <b>New Projects - Future Years</b>   |                   |              |                |               |               |            |                |           |                |            |                 |               |                 |               |
| SWM End of Pipe Facilities - Etobicoke Waterfront                                |                   |              |                |               |               |            |                |           |                |            |                 |               | 50.0            | 1.0           |
| Wet Weather Flow Master Plan   |                   |              |                |               |               |            |                |           | 115.0          | 1.0        | 115.0           | 1.0           | 115.0           | 1.0           |
| Ashbridges Bay WWTP - Desinfection Construction                                  |                   |              |                |               | 103.0         | 1.0        |                |           |                |            | 103.0           | 1.0           | 2,607.0         | 1.0           |
| <b>Total</b>   |                   |              |                |               |               |            |                |           |                |            |                 |               |                 |               |
| <b>Program Recommended (Net)</b>   | <b>820.5</b>      | <b>(4.0)</b> | <b>(898.2)</b> | <b>(15.0)</b> | <b>(17.9)</b> | <b>2.0</b> | <b>5,273.0</b> |           | <b>5,895.0</b> | <b>3.0</b> | <b>11,072.4</b> | <b>(14.0)</b> | <b>13,626.4</b> | <b>(13.0)</b> |

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

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

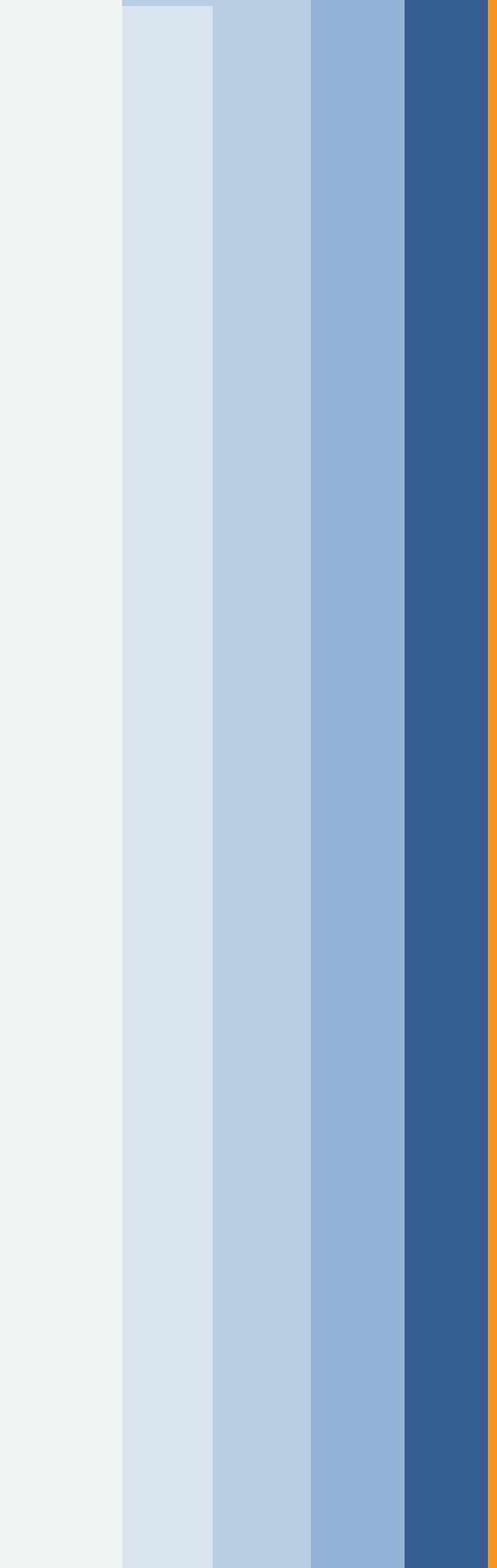
- A total of 4 new positions will be added for linear infrastructure CCTV inspection scans, while the water services transmission optimization process requires one new position in 2016.
- It should be noted that there will be a net reduction of 7 positions in 2015 and 17 positions in 2016, due to the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

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

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

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

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

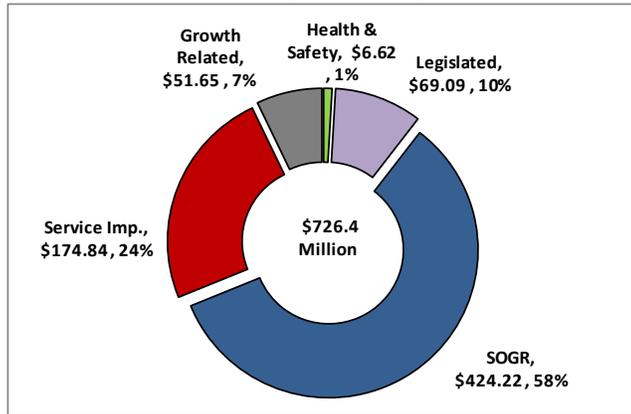


## **Part II:** 2015 Capital Budget

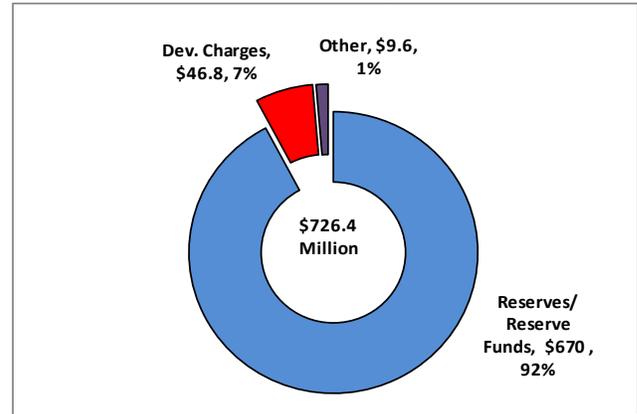
## Recommended Capital Budget

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

2015 Capital Budget by Project Category (\$Millions)



2015 Capital Budget by Funding Source (\$Millions)



The 2015 Recommended Capital Budget, excluding funding carried forward from 2014 to 2015, requires new 2015 cash flow funding of \$726.421 million. The 2015 Capital Budget expenditures are allocated to the following categories:

- *Health & Safety* (\$6.615 million, 1%). This includes building and electrical upgrades at wastewater treatment plants.
- *Legislated* (\$69.093 million, 9%). The most significant project in 2015 is the Humber Wastewater Treatment Plant odour control.
- *State of Good Repair (SOGR)* (\$424.223 million, 59%) Approximately \$182.910 million or 43% of the total 2015 recommended SOGR funding will be dedicated to watermain and sewer replacement and rehabilitation projects.
- *Service Improvements* (\$174.836 million, 24%) provide funding for Basement Flooding Protection projects and elements of the Wet Weather Flow Master Plan such as stormwater management facilities design and contract administration.
- *Growth Related* (\$51.654 million, 7%) are expansion projects required for future water supply and wastewater treatment demand such as new service connections.

The 2015 Recommended Capital Budget is financed primarily by:

- Toronto Water's reserves, which account for approximately 92% or \$670.006 million of total financing.
- Development Charges funding, which has been maximized based on eligible growth component of capital projects and provide funding of \$46.766 million or 7% of the 2015 Recommended Capital Budget.
- Capital cost sharing with York Region for construction of new water and sewer connections, represents 1% or \$9.649 million of 2015 funding.
- Toronto Water's 2015 Capital Budget continues to be self-sustaining and does not require debenture financing. It does not impact the municipal property tax levy.

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

|  | 2014<br>Carry<br>Forwards | 2015 Rec'd<br>Cash Flow | Total 2015<br>Cash Flow<br>(Incl 2014<br>C/Fwd) | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022          | 2023          | 2024          | Total 2015<br>Rec'd Cash<br>Flow & FY<br>Commits |
|--|---------------------------|-------------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|--|
| <b>Expenditures</b>  |                           |                         |   |                |                |                |                |                |                |               |               |               |  |
| Previously Approved  | 55,982                    | 683,650                 | 739,632   | 630,161        | 527,741        | 294,364        | 186,100        | 91,861         | 65,631         | 56,959        | 52,152        |               | 2,644,601  |
| Change in Scope  |                           | (40,790)                | (40,790)  | 78,709         | 88,446         | 78,858         | 22,794         | 54,551         | 51,372         | (492)         | 4,278         | 21,400        | 359,126  |
| New  |                           | 83,561                  | 83,561  | 139,896        | 138,970        | 94,858         | 88,220         | 74,890         | 68,390         | 30,040        | 24,090        | 18,530        | 761,445  |
| New w/Future Year  |                           |                         |   |                |                |                |                |                |                |               |               |               |  |
| <b>Total Expenditure</b>                                     | <b>55,982</b>             | <b>726,421</b>          | <b>782,403</b>                                  | <b>848,766</b> | <b>755,157</b> | <b>468,080</b> | <b>297,114</b> | <b>221,302</b> | <b>185,393</b> | <b>86,507</b> | <b>80,520</b> | <b>39,930</b> | <b>3,765,172</b>                                 |
| <b>Financing</b>   |                           |                         |   |                |                |                |                |                |                |               |               |               |  |
| Debt   |                           |                         |   |                |                |                |                |                |                |               |               |               |  |
| Other  | 298                       | 9,649                   | 9,947   | 8,560          | 10,526         | 8,726          | 676            | 27             |                |               |               |               | 38,462   |
| Reserves/Res Funds   | 51,091                    | 670,006                 | 721,097   | 795,414        | 689,786        | 432,175        | 281,171        | 211,686        | 176,189        | 83,209        | 77,511        | 37,349        | 3,505,587  |
| Development Charges  | 4,593                     | 46,766                  | 51,359  | 44,792         | 54,845         | 27,179         | 15,267         | 9,589          | 9,204          | 3,298         | 3,009         | 2,581         | 221,123  |
| Provincial/Federal   |                           |                         |   |                |                |                |                |                |                |               |               |               |  |
| <b>Total Financing (including<br/>carry forward funding)</b> | <b>55,982</b>             | <b>726,421</b>          | <b>782,403</b>                                  | <b>848,766</b> | <b>755,157</b> | <b>468,080</b> | <b>297,114</b> | <b>221,302</b> | <b>185,393</b> | <b>86,507</b> | <b>80,520</b> | <b>39,930</b> | <b>3,765,172</b>                                 |

Approval of the 2015 Recommended Capital Budget of \$779.563 million will result in the following:

- \$55.982 million in 2014 funding that will be carried forward into 2015 for on-going upgrades at the Ashbridges Bay Treatment Plant, Humber Treatment Plant and Highland Creek Treatment Plant as well as Business & Process Control System Improvement Projects and Waterfront Project work that commenced in 2014.
- New project funding of \$17.902 million which funds the 2015 contributions to Critical Erosion and Storm Water Management funding provided to the Toronto Regional Conservation Authority.
- Recommended multi-year funding of \$708.519 million in 2015 which will require future year commitments of \$2.983 billion from 2016 to 2024 for initiatives that will either commence or continue in 2015 and are anticipated to be completed in future years.
  - The high rate of commitment to future year funding reflects the nature of Toronto Water's capital program which includes many multi-year, multi-million dollar projects such as the Water and Wastewater Treatment upgrade projects; Transmission Watermains; Basement Flooding Protection Program and Watermain Replacement.
  - The use of multi-year contracts has allowed Toronto Water to increase its capital delivery rate.

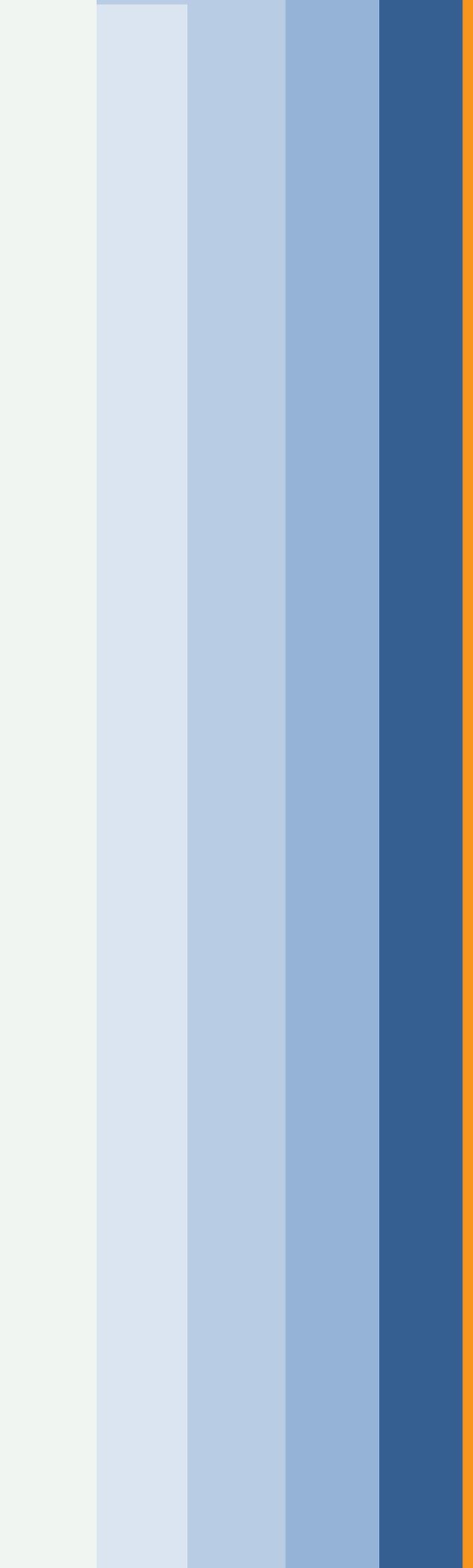
2015 Recommended Capital Project Highlights

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

| Project  | Total Project Cost | 2015           | 2016           | 2017           | 2018           | 2019           | 2015 - 2019      | 2020           | 2021           | 2022          | 2023          | 2024          | 2015 - 2024 Total |
|--|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|---------------|---------------|---------------|-------------------|
| ASHBRIDGES BAY T.P. - III YR2004                   | N/A                | 1,495          | 50             | 30             |                |                | 1,575            |                |                |               |               |               | 1,575             |
| ASHBRIDGES BAY T.P. YR2006                         | N/A                | 810            | 510            | 1,049          |                |                | 2,369            |                |                |               |               |               | 2,369             |
| ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV | N/A                | 950            | 2,760          | 3,250          | 3,095          | 60             | 10,115           | 50             |                |               |               |               | 10,165            |
| ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM              | N/A                | 860            | 11,730         | 12,339         | 3,400          | 5,950          | 34,279           | 4,167          | 4,123          | 4,100         | 700           |               | 47,369            |
| ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING  | N/A                | 42,582         | 47,287         | 55,050         | 66,131         | 51,000         | 262,050          | 56,000         | 55,000         | 49,000        | 49,500        | 19,500        | 491,050           |
| ASHBRIDGES BAY WWTP - O&M UPGRADES                 | N/A                | 5,270          | 9,657          | 5,500          |                |                | 20,427           |                |                |               |               |               | 20,427            |
| ASHBRIDGES BAY WWTP - ODOUR CONTROL                | N/A                | 2,643          | 12,687         | 8,400          | 122            |                | 23,852           |                |                |               |               |               | 23,852            |
| ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING        | N/A                | 3,000          | 3,725          | 17,046         | 13,200         | 6,710          | 43,681           | 6,710          | 2,960          | 110           | 80            |               | 53,541            |
| ASHBRIDGES BAY WWTP REHAB                          | N/A                | 19,810         | 28,418         | 28,581         | 26,307         | 13,944         | 117,060          | 5,090          | 2,636          | 599           | 400           |               | 125,785           |
| ASHRIDGES BAY TP YR2005                            | N/A                | 3,770          | 3,714          | 3,275          | 1,438          |                | 12,197           |                |                |               |               |               | 12,197            |
| AVENUE ROAD TRUNKMAIN REPLACEMENT                  | N/A                | 354            | 1,090          |                |                |                | 1,444            |                |                |               |               |               | 1,444             |
| BASEMENT FLOODING RELIEF                           | N/A                | 62,965         | 81,333         | 127,594        | 91,976         | 53,983         | 417,851          | 45,204         | 26,497         | 16,840        | 15,190        | 12,150        | 533,732           |
| BUSINESS IT PROJECTS                               | N/A                | 1,033          | 2,069          | 1,621          | 1,272          | 1,373          | 7,368            | 500            |                |               |               |               | 7,868             |
| BUSINESS SYSTEM INFRASTRUCTURE - PW                | N/A                | 10,328         | 8,620          | 7,174          | 8,060          | 7,815          | 41,997           | 4,150          | 1,180          | 960           | 900           | 900           | 50,087            |
| CLARK RESIDUE MGMT. FACILITIES                     | N/A                | 380            | 950            |                |                |                | 1,330            |                |                |               |               |               | 1,330             |
| CONVEYANCE CONTROLS - REPLC & REHAB                | N/A                | 44             |                |                |                |                | 44               |                |                |               |               |               | 44                |
| DIST SEWER REHAB OPS YR2005                        | N/A                | 388            | 12             |                |                |                | 400              |                |                |               |               |               | 400               |
| DIST W/M REHABILITATION                            | N/A                | 50,788         | 62,572         | 67,108         | 21,167         | 5,400          | 207,035          |                |                |               |               |               | 207,035           |
| DIST W/M REPLACEMENT                               | N/A                | 62,323         | 34,711         | 13,628         | 1,000          | 1,000          | 112,662          |                |                |               |               |               | 112,662           |
| DIST WATER SERVICE REPAIR                          | N/A                | 22,934         | 25,169         | 13,750         |                |                | 61,853           |                |                |               |               |               | 61,853            |
| DISTRICT WATERMANS - NEW                           | N/A                | 102            | 500            |                |                |                | 602              |                |                |               |               |               | 602               |
| DON & WATERFRONT TRUNK CSO                         | N/A                | 6,150          | 12,601         | 4,000          | 5,546          | 5,180          | 33,477           | 5,180          | 5,180          | 5,307         | 5,180         | 1,000         | 55,324            |
| DOWNTOWN W/M ENHANCEMENT                           | N/A                | 11,932         | 7,821          | 7              |                |                | 19,760           |                |                |               |               |               | 19,760            |
| EMERY CREEK POND                                   | N/A                | 3,900          | 1,073          |                |                |                | 4,973            |                |                |               |               |               | 4,973             |
| ENGINEERING  | N/A                | 51,219         | 26,524         | 11,954         | 5,651          | 1,502          | 96,850           | 1,108          | 3,025          |               |               |               | 100,983           |
| ENGINEERING STUDIES                                | N/A                | 1,647          | 779            | 120            | 60             | -              | 2,606            |                |                |               |               |               | 2,606             |
| EQUIPMENT REPLACEMENT & REHABILITATION             | N/A                | 386            | 4,858          | 5,220          | 3,890          | 20             | 14,374           | 30             |                |               |               |               | 14,404            |
| FJ HORGAN W.T.P. R&R                               | 223,728            | 3,412          | 6,500          | 5,583          | 3,050          | 320            | 18,865           | 149            |                |               |               |               | 19,014            |
| FJ HORGAN W.T.P. R&R                               | N/A                | 84             |                |                |                |                | 84               |                |                |               |               |               | 84                |
| GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES      | N/A                | 2,840          |                |                |                |                | 2,840            |                |                |               |               |               | 2,840             |
| HARRIS W.T.P. R&R                                  | N/A                | 7,187          | 17,572         | 12,135         | 6,208          | 3,507          | 46,609           |                |                |               |               |               | 46,609            |
| HIGHLAND CREEK T.P. - IV YR2004                    | N/A                | 63             | 120            |                |                |                | 183              |                |                |               |               |               | 183               |
| HIGHLAND CREEK TP YR2005                           | N/A                | 122            | 115            | 5              |                |                | 242              |                |                |               |               |               | 242               |
| HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV     | N/A                | 1,000          | 3,500          | 4,000          | 4,000          | 2,800          | 15,300           |                |                |               |               |               | 15,300            |
| HIGHLAND CREEK WWTP - ODOUR CONTROL                | N/A                | 15,505         | 18,475         | 16,920         | 16,100         | 6,380          | 73,380           |                |                |               |               |               | 73,380            |
| HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING        | N/A                | 746            | 7,100          | 4,050          | 1,500          | 3,000          | 16,396           | 2,000          | 2,000          | 250           | 250           | -             | 20,896            |
| HIGHLAND CREEK WWTP UPGRADES                       | N/A                | 19,657         | 41,487         | 25,905         | 14,125         | 17,647         | 118,821          | 12,653         | 9,150          | 4,135         | 3,200         | 1,380         | 149,339           |
| HORGAN TRUNK MAIN EXPANSION                        | N/A                | 900            | 6,100          | 30,900         | 26,600         | 2,050          | 66,550           | 50             |                |               |               |               | 66,600            |
| HORGAN W.T.P. EXPANSION                            | N/A                | 3,496          | 5,264          |                |                |                | 8,760            |                |                |               |               |               | 8,760             |
| HUMBER T.P.  | N/A                | 200            | 200            | 109            |                |                | 509              |                |                |               |               |               | 509               |
| HUMBER T.P. - II YR2004                            | N/A                | 155            | 5              | 7              |                | 7              | 174              |                |                |               |               |               | 174               |
| HUMBER TP YR2005                                   | N/A                | 1,793          | 1,750          | 174            | 100            | 101            | 3,918            |                |                |               |               |               | 3,918             |
| HUMBER WWTP - LIQUID TREATMENT & HANDLING          | N/A                | 9,330          | 26,134         | 49,025         | 48,600         | 48,582         | 181,671          | 47,000         | 41,405         | 150           | 120           |               | 270,346           |
| HUMBER WWTP - O&M UPGRADES                         | N/A                | 9,584          | 5,877          | 4,850          |                |                | 20,311           |                |                |               |               |               | 20,311            |
| HUMBER WWTP - ODOUR CONTROL                        | N/A                | 32,730         | 11,750         | 3,385          |                |                | 47,865           |                |                |               |               |               | 47,865            |
| HUMBER WWTP UPGRADES                               | N/A                | 9,137          | 8,007          | 8,647          | 3,018          | 1,263          | 30,072           | 260            | 25             | 25            |               |               | 30,382            |
| ISLAND PLANT WINTERIZATION                         | N/A                | 56             | 515            |                |                |                | 571              |                |                |               |               |               | 571               |
| ISLAND W.T.P. R&R                                  | N/A                | 719            | 2,530          | 7,485          | 7,250          | 7,250          | 25,234           | 2,050          | 10             |               |               |               | 27,294            |
| ISLAND W.T.P. R&R                                  | N/A                | 3,755          | 6,426          | 2,990          | 95             |                | 13,266           |                |                |               |               |               | 13,266            |
| Land Acquisition for Source Water Protect          | N/A                | 8,500          |                |                |                |                | 8,500            |                |                |               |               |               | 8,500             |
| LAWRENCE ALLAN REVITALIZATION PLAN                 | N/A                | 6,471          | 3,354          | 18,078         | 2,127          | 3,531          | 33,561           |                |                |               |               |               | 33,561            |
| METERING & METER READING SYS                       | 232,155            | 26,920         | 30,367         | 2,515          |                |                | 59,802           |                |                |               |               |               | 59,802            |
| NEW SERVICE CONNECTIONS                            | N/A                | 26,082         | 26,180         | 13,500         | 2,500          |                | 68,262           |                |                |               |               |               | 68,262            |
| NEW SEWER CONSTRUCTION                             | N/A                | 3,500          | 8,000          | 7,000          | 5,000          | 5,000          | 28,500           | 5,000          | 5,000          | 5,000         | 5,000         | 5,000         | 53,500            |
| NORTH TORONTO WTP UPGRADES                         | N/A                | 2              | 752            | 500            | 250            |                | 1,504            |                |                |               |               |               | 1,504             |
| OPERATIONAL SUPPORT                                | N/A                | 4,110          | 4,330          | 5,824          | 5,780          | 5,393          | 25,437           | 25             | 25             |               |               |               | 25,487            |
| PW ENGINEERING                                     | N/A                | 3,390          | 4,524          | 4,285          | 1,635          | 1,000          | 14,834           |                |                |               |               |               | 14,834            |
| REGENT PARK CAPITAL CONTRIBUTION                   | N/A                | 1,215          | 1,803          | 475            | 1,090          | 632            | 5,215            | 37             | 54             | 31            |               |               | 5,337             |
| RL CLARK W.T.P. R&R                                | N/A                | 12,644         | 9,890          | 22,212         | 13,445         | 25             | 58,216           |                |                |               |               |               | 58,216            |
| SEWAGE PUMPING STATION UPGRADES                    | N/A                | 8,565          | 3,796          | 3              |                |                | 12,364           |                |                |               |               |               | 12,364            |
| SEWER ASSET PLANNING                               | N/A                | 11,658         | 16,782         | 14,945         | 12,351         | 12,500         | 68,236           | 11,000         | 5,495          |               |               |               | 84,731            |
| SEWER REPLACEMENT PROGRAM                          | N/A                | 44,446         | 20,268         | 7,396          | 1,900          | 1,786          | 75,796           |                |                |               |               |               | 75,796            |
| SEWER SYSTEM REHABILITATION                        | N/A                | 35,068         | 39,822         | 30,412         | 10,800         | 3,665          | 119,767          | 1,028          | 28             |               |               |               | 120,823           |
| STREAM RESTORATION & EROSION CONTROL               | N/A                | 12,361         | 6,895          | 4,889          | 2,026          | 1,815          | 27,986           | 50             |                |               |               |               | 28,036            |
| SWITCH GEAR TRANSFORMER                            | N/A                | 5,000          | 5,400          | 3,703          |                |                | 14,103           |                |                |               |               |               | 14,103            |
| SWM TRCA FUNDING                                   | N/A                | 4,069          | -              | -              |                |                | 4,069            |                |                |               |               |               | 4,069             |
| SWM END OF PIPE FACILITIES                         | N/A                | 10,400         | 4,851          | 6,550          | 11,200         | 12,170         | 45,171           | 11,750         | 21,600         | -             | -             | -             | 78,521            |
| SWM SOURCE CONTROL PROG                            | N/A                | 150            | 150            | 150            | 150            |                | 600              |                |                |               |               |               | 600               |
| TASTE AND ODOUR MANAGEMENT                         | N/A                |                |                |                |                |                | -                |                |                |               |               |               | -                 |
| TRANSMISSION R&R                                   | N/A                | 21,974         | 29,140         | 18,225         | 1,116          | 112            | 70,567           |                |                |               |               |               | 70,567            |
| TRUNK SEWER SYSTEM                                 | N/A                | 27,282         | 24,096         | 8,147          | 1,784          | 96             | 61,405           | 11             |                |               |               |               | 61,416            |
| TRUNK WATERMAIN                                    | N/A                | 750            | 2,250          | 2,250          | 260            | 250            | 5,760            |                |                |               |               |               | 5,760             |
| TRUNK WATERMAIN EXPANSION                          | N/A                | 400            | 600            | 700            | 400            | 50             | 2,150            | 50             |                |               |               |               | 2,200             |
| W&WW LABORATORIES                                  | N/A                | 120            | 120            | 150            | 210            |                | 600              |                |                |               |               |               | 600               |
| WATER EFFICIENCY PROGRAM                           | N/A                | 520            | 520            | 520            |                |                | 1,560            |                |                |               |               |               | 1,560             |
| WATER STORAGE EXPANSION                            | N/A                | 197            |                |                |                |                | 197              |                |                |               |               |               | 197               |
| WATER SUSTAINABILITY PROGRAM                       | N/A                | 1,370          | 18,157         | 12,005         | 20             | 2              | 31,554           |                |                |               |               |               | 31,554            |
| WESTERN BEACHES RETROFIT                           | N/A                | 1,203          | 4,100          | 1,000          |                |                | 6,303            |                |                |               |               |               | 6,303             |
| WET WEATHER FLOW MP                                | N/A                | 13,502         | 21,972         | 6,857          | 11,068         | 2,250          | 55,649           |                |                |               |               |               | 55,649            |
| <b>Total (including carry forward funding)</b>     |                    | <b>782,403</b> | <b>848,766</b> | <b>755,157</b> | <b>468,080</b> | <b>297,114</b> | <b>3,151,520</b> | <b>221,302</b> | <b>185,393</b> | <b>86,507</b> | <b>80,520</b> | <b>39,930</b> | <b>3,765,172</b>  |

The 2015 Recommended Capital Budget provides funding of \$782.403 million to:

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



## **Part III:**

Issues for Discussion

## Issues for Discussion

### Issues Impacting the 2015 Capital Budget

#### *Water Consumption Forecast*

- As noted in the 2015 Water and Wastewater Rate report, there has been a trend towards reduced water consumption over the last decade, despite population growth. Besides weather conditions, the decline in water consumption is attributed to water efficiency measures and economic factors.
- Over the 2006-2013 period, Toronto's water consumption has declined approximately 13%, from 377 to 333 million cubic metres.
- In 2014, actual consumption continued to decline, mostly due to unusually high rainfall and cold temperatures during the summer months. The 2014 total consumption is projected to be 2% lower than the 2013 actual consumption.
- The 2015 Water and Wastewater Rate Model assumes that the 2015 (and future year) consumption will remain at the same level as the 2014 projected actuals. As a result, anticipated revenues will decrease by \$212.2 million over the 10 year planning period.
- It is important to note that uncertainty in revenues from the sale of water continues to be a challenge for Toronto Water, especially given that a 1% variance in water consumption estimates would have an \$8.5 million impact on annual anticipated water rate revenue.

#### *Anticipated Water Rate Increases & Reserve Balances*

- During the 2014 Budget process, City Council amended, for future planning purposes, the Capital Plan to reflect a water rate increase of 8% in the years 2015, 2016 and 2017 and directed that staff report back during the 2015 Budget process on additional financing options.
- While a separate report is being prepared on the financing options to support the Toronto Water's 10-Year Capital Plan, the 2015 Water and Wastewater Model incorporates water rate increases of:
  - 6.5% for 2015 (8% increase, annualized based on the anticipated 2015 Budget approval on March 12, 2015).
  - 8% in 2016.
  - 5% in 2017 and 2018.
  - 3% from 2019 to 2024.
- Overall, the assumed water rates increases are slightly lower than directed by Council as they are better aligned to Toronto Water's 10-Year Capital Program delivery schedules.
- The anticipated rate increases will generate additional revenues of approximately \$1.117 billion, compared to revenues projected in the 2014 Water and Wastewater Rate Model which were based on the 3% increase over the 2015-2023 period. This, combined with other available revenue sources, has enabled Toronto Water to add previously unfunded/underfunded projects totalling \$797.234 million to its 2014-2023 Approved Capital Plan, and increase its focus on the delivery of service improvement and growth related projects.

- Funding for the *Basement Flooding Protection Program* of \$548.194 million over the 10-year planning period was added.
- *Wet Weather Flow Master Plan* projects totalling \$106.080 million were accelerated into the 10 year Capital Plan.
- The following should be noted:
  - Based on the 2015-2024 Water and Wastewater Rate Model, sufficient revenues will be generated to fund the 2015-2024 Recommended Capital Budget and Plan, leaving a healthy capital financing reserve balance of \$229 million at the end of the 10-year period. Due to the fact that the reserve balance goes down to approximately \$7.0-9.0 million in years 2021 and 2022, as some of the largest multi year projects are nearing completion, anticipated rate increases could not be lower than those incorporated in the Rate Model.
  - The previously unfunded TRCA Scarborough Waterfront Trail (\$54 million) has not been included in the 10-Year Recommended Capital Plan since this project is awaiting results of the Environmental Impact Assessment that is currently underway.
  - The scope of this project includes both trail/parkland and soil erosion work necessary to establish this new trail. Any further Toronto Water funding will be determined based on the portion of work associated with soil erosion component only.

## Issues Impacting the 10-Year Capital Plan

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

- Toronto Water currently has a significant infrastructure renewal backlog, higher than any other major Canadian urban centre. It has the largest asset base in the country, estimated at \$28.044 billion with some infrastructure dating back to the 1800s. The construction of water and wastewater infrastructure in Toronto has aligned with urban growth cycles, and much of the City's infrastructure is reaching the end of its theoretical service life. For example, approximately 20% of the City's watermain infrastructure is 80 years or older.
- However, some of the City's oldest pipes (100 years or older) are still performing well. As Toronto Water plans for the renewal of aging infrastructure, a risk based approach is taken that considers infrastructure age, condition assessment, upsizing, which may be required to service future growth, and opportunities to reduce overall costs.
- Some key initiatives to identify Toronto Water's State of Good Repair needs include:
  - Water Loss Reduction Program which includes leak detection surveys on distribution water mains that is an indicator of the condition and performance of watermain.
  - Closed camera TV (CCTV) inspection program that utilizes closed camera technology to assess the condition of sanitary and storm sewers.
- The 2013 year-end value of the infrastructure renewal backlog is estimated at \$1.641 billion, reflecting 5.8% of Toronto Water's total asset value of \$28.256 billion. This is based on a detailed analysis of current condition assessments and assumptions of service life by linear asset class, coupled with assessments of water and wastewater treatment facilities.

- Condition assessments of infrastructure by asset class continue to be reviewed and updated. In addition to the condition assessments, Toronto Water is undertaking a review to define its requirements for an integrated Asset Management Solution to support further development of its Asset Management Plans. This review, with recommendations for an implementation plan is expected to be completed in 2015. It is recommended that the General Manager, Toronto Water provide a status update on the estimated state of good repair backlog as part of the 2016 Budget Process.
- The 10-Year Capital Plan State of Good Repair funding totals \$5.658 billion and has annual cash flow funding of: 2015 - \$424.223 million; 2016 – \$606.288 million; 2017 - \$621.124 million; 2018 – \$607.949 million; 2019 - \$587.573 million; 2020 - \$621.047 million; 2021 – \$605.047 million; 2022 - \$549.442 million; 2023 - \$529.143 million; and, 2024- \$515.207 million that will contribute towards reducing the watermain and sewer break rate.
- On average, approximately \$566 million will be directed annually to address the state of good repair backlog over the 10 year planning horizon. Assuming that the 2014 state of good repair backlog estimate will remain unchanged, the year-end backlog will be reduced from \$1.641 billion in 2013 to \$612.430 million by year 2019 and then eliminated in the year 2024.
- For the purposes of the State of Good Repair Backlog analysis, the City’s stormwater management facilities, including stormwater ponds and underground storage tanks have not been included as they are relatively new infrastructure. A state of good repair backlog has not been established for stream restoration to address erosion scars due to changing site conditions resulting from each extreme weather event. Restoration is planned on a priority basis to protect existing infrastructure and in coordination with the Toronto Region Conservation Authority.

### *Extreme Weather Events*

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

respectively. Additional costs to Toronto Water were estimated at \$7.021 million (\$3.400 million in capital and \$3.621 million in operating costs).

### *Basement Flooding*

- In April 2006, City Council approved a Basement Flooding Protection Work Plan (now referred to as the Basement Flooding Protection Program) to undertake comprehensive engineering studies in 31 basement flooding study areas that experienced significant flooding during extreme storms in May 2000 and August 2005.
- New service level standards were adopted in these areas for sanitary sewer and storm drainage systems to accommodate a 1 in 100 year return frequency storm event, up from the current 1 in 2 to 1 in 5 year return frequency storm.
- Between 2006 and 2013, the number of study areas in the City was increased from 31 to 34 study areas in response to additional storm events and new occurrences of basement flooding.
- Extreme storms in 2008, 2012, July 8, 2013, and June 25, 2014 impacted different parts of the City and resulted in thousands more flooding complaints. In December 2013, City Council approved the city-wide expansion of the Basement Flooding Protection Program. Seven new study areas were delineated in this same Staff Report bringing the total to 41 areas.
- As of the end of November 2014, Basement Flooding Environmental Assessment (EA) studies for 25 basement flooding study areas have been completed. These EA studies investigate the causes of basement and surface flooding and recommend sewer system improvements to reduce the risk of future basement flooding during extreme storms. Eight studies are ongoing and they will be completed in 2015. Studies for remaining 8 areas are anticipated to be completed in 2017.
- The construction of basement flooding protection projects began in 2009. Many challenges exist with the implementation of works recommended by the EA studies. Retrofitting an area to accommodate the higher level of storm drainage and overland flow controls in existing fully developed areas present the most significant challenge in terms of cost, scheduling and disruption to the local communities.
  - To date, \$173.0 million has been spent to upgrade over 130 kilometres of storm and sanitary sewers, build two surface storage ponds, and build one underground storm storage tank to meet the enhanced level of service requirements required under the Basement Flooding Protection Program. A further \$100 million in construction projects has been committed.
- The 2015 – 2024 Capital Budget and Plan includes \$1.547 billion in funding for Basement Flooding Relief projects, representing an increase of \$591.290 million over the approved funding in the 2014-2023 Capital Plan of \$955.710 million for projects which were part of the original Basement Flooding Protection Program. Toronto Water has also allocated an additional \$12.0 million in 2014 to initiate work on EA studies for new basement flooding study areas. The current 41 basement flooding study areas cover approximately 39% of the City.
- Despite this level of funding, Toronto Water will continue to face the following challenges:
  - There are increasing demands and high expectations for the further acceleration of basement flooding EA studies and implementation of projects by residents and businesses as a result of the tremendous impacts of basement flooding during extreme weather events.

- Some of the recommended basement flooding protection projects from completed basement flooding EA studies have a cost that is greater than the Council adopted threshold of \$32,000 per benefitting property, and therefore these projects are not proceeding to engineering design and construction.
- The cost to implement basement flooding protection projects across all 41 study areas need to be continuously updated, as basement flooding EA studies are completed and new works are recommended.
  - In addition, beyond the 41 previously delineated study areas, another 26 new study areas have been delineated to address the city wide expansion of the program. As these new EA studies are completed, even further ongoing updates to the cost to implement basement flooding protection projects will be needed.
  - The identification of the 26 new study areas (bringing the total to 67 Study Areas) is being presented in a Staff Report to City Council as part of the 2015 Capital Budget Process.
  - In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that will deliver more quickly and more efficiently a larger number of infrastructure improvements, and meet the needs of the city-wide expansion of the Program.

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

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

litigation, a multi-year enhanced education, communication and outreach strategy will be continued to boost compliance with the by-law across the City.

### *Stream Restoration and Critical Erosion Projects*

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

### *Recent Regulations*

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

## Issues Referred to the 2015 Capital Budget Process

### *Funding Pressures:*

- At its meeting of October 30, 31 and November 1, 2012, Council in considering a report titled "**Toronto Water Capital Program Funding Pressures and Financing Options**", directed the Deputy City Manager and Chief Financial Officer, and General Manager, Toronto Water to report to Executive Committee on strategies to maximize funding capacity and/or provide reductions in current project costs to address existing and emerging unfunded capital priorities financing options in June 2013, in advance of Toronto Water's long term Capital Plan. Council also requested that as part of the same report, consideration be given to a property owner's ability to pay in establishing the water rate and/or water rate increases, and with respect of the introduction of a fixed stormwater charge for the Wet Weather Flow Program.
- At its meeting of July 16, 17, 18 and 19, 2013, City Council directed the General Manager, Toronto Water, in consultation with the Deputy City Manager and Chief Financial Officer, to report to the October 30, 2013 meeting of the Executive Committee with financing options for increased investment in Toronto Water Infrastructure, particularly for Wet Weather Flow Management Master Plan and Basement Flooding Protection projects, as previously directed by Council of November 29, 30 and December 1, 2012.
- In response to the above requests, the General Manager of Toronto Water and the Deputy City Manager and Chief Financial Officer, prepared a report titled "**Future Options and Public Attitudes for Paying for Water, Wastewater and Storm Water Infrastructure and Services**", which was approved by Council in November, 2013.
- The report underlined Toronto Water's need for more funding in order to continue to provide safe drinking water, safely treat wastewater, and provide stormwater management to protect private property and the environment.
- In approving the report recommendations City Council requested the General Manager Toronto Water, and the Deputy City Manager and Chief Financial Officer to identify the most appropriate way to generate additional revenue for Toronto Water to fund its substantial infrastructure and to conduct further detailed studies including stakeholder input on such options.
- Some of the options that were identified in order to generate more revenues are:
  - Water rate increases greater than the rate of inflation once the '9% for 9 years' increases end in 2014; and/or,
  - A separate stormwater management charge on the water bill; and/or,
  - Debenture financing for large scale, long service period projects, with all debt service costs to be paid from water rate revenue; and/or,
  - Local improvement charges for all or a portion of the Basement Flooding Protection Program.
- City Council also directed the Deputy City Manager and Chief Financial Officer and the General Manager Toronto Water, to report back to the Executive Committee, as part of Toronto Water's 2015 Capital Budget Submission with a recommended financing strategy to support Toronto Water's long term Capital Plan with a detailed implementation plan.

- A report titled "**Stormwater Charge as a Funding Option for Investing in Toronto Water Infrastructure**" will be submitted to the Executive Committee for consideration in early 2015. The purpose of this report is to report back City Council on funding models to generate revenue for Toronto Water's Capital Program. The report advises on the implementation of a charge that is dedicated to funding stormwater management projects.

### *Storm Water Management*

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

- Prioritize future Basement Flooding Protection Program studies based on the density of reported basement flooding complaints per sanitary sewer 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.
  - Toronto Water is submitting a report back to City Council as part of the 2015 Budget Process that will identify and prioritize new basement flooding study areas for the remainder of the City based on the density of basement flooding complaints per sanitary sewer subsewershed for major storms since year 2000.
- Report back on the schedule of future Basement Flooding Protection Program study areas (for Study Area 42 and beyond), across the remainder of the city, as part of Toronto Water's 2015 Budget Submission.
  - The above Staff Report will include a schedule for undertaking Basement Flooding Environmental Assessment studies in new basement flooding study areas for the remainder of the City.
- Initiate and expedite the completion of new Environmental Assessment studies for Area 35 (Silver Creek 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).
  - Toronto Water requested Council to amend its 2014 Capital Budget and Plan to add funding of \$ 12.0 million over the 2014-2016 period to allow the award of these new EAs. Funding for completion of new EA studies has been included in the 2015-2024 Recommended Capital Budget and Plan.
  - A Request for Proposal was issued for engineering consulting firms to undertake the Basement Flooding EA studies for eight study areas (Area 34 and the seven new basement flooding study areas (Areas 35 to 41) identified in 2013. The EA studies are expected to begin in early 2015 and be completed in 2017.
- Report to the Public Works and Infrastructure Committee prior to the 2015 Budget process on a Response Protocol with financial impacts for basement flooding caused by project work within the Basement Flooding Relief Program.

- A report will be prepared by Engineering and Construction Services Division in coordination with the Toronto Water Division in early 2015.
- Report back in early 2014 on a coordinated, prioritized Toronto Water and Toronto Region Conservation Authority erosion control strategy and projects, such report to consider an Environmental Assessment for the Scarborough Waterfront Trail and Critical Erosion.

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

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

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

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

*Green Parking Lot Standards:*

- A multi-year capital plan to meet the Green Parking Lot standards for Toronto Water properties was requested by Council at its meeting of October 8, 9, 10 and 11, 2013.

- In response to this request, Toronto Water is including a review of its parking lots for opportunities to meet the Green Parking lot standards as a part of an overall Facility Condition Assessment that will be undertaken over the next two years. A multi year plan will be presented as part of the budget submission process upon completion of the study.

*Green Streets:*

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

# Appendices:

## Appendix 1

### 2014 Performance

#### 2014 Key Accomplishments

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

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

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

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

#### 2014 Financial Performance

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

| 2014 Approved | As of September 30, 2014 |         | Projected Actuals at Year End |         | Unspent Balance |           |
|---------------|--------------------------|---------|-------------------------------|---------|-----------------|-----------|
|               | \$                       | % Spent | \$                            | % Spent | \$ Unspent      | % Unspent |
| 616,962       | 327,013                  | 53.0%   | 543,706                       | 88.1%   | 73,256          | 11.9%     |

*\*Results Based on the Third Quarter Variance*

## 2014 Experience

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

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

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

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

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

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

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

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

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

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

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

# Appendix 2

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

| Project  | Total Project Cost | 2015    | 2016    | 2017      | 2018      | 2019      | 2015 - 2019 | 2020      | 2021      | 2022      | 2023      | 2024      | 2015 - 2024 Total |
|--|--------------------|---------|---------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-------------------|
| ASHBRIDGES BAY T.P. - III YR2004                   | N/A                | 1,495   | 50      | 30        |           |           | 1,575       |           |           |           |           |           | 1,575             |
| ASHBRIDGES BAY T.P. YR2006                         | N/A                | 810     | 510     | 1,049     |           |           | 2,369       |           |           |           |           |           | 2,369             |
| ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV | N/A                | 950     | 2,760   | 3,350     | 3,195     | 160       | 10,415      | 150       | 100       | 100       | 100       | 2,100     | 12,965            |
| ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM              | N/A                | 860     | 11,830  | 52,239    | 83,400    | 140,950   | 289,279     | 89,167    | 84,623    | 79,100    | 17,700    |           | 559,869           |
| ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING  | N/A                | 42,582  | 47,287  | 55,250    | 67,131    | 61,100    | 273,350     | 77,000    | 85,000    | 81,000    | 99,500    | 76,500    | 692,350           |
| ASHBRIDGES BAY WWTP - O&M UPGRADES                 | N/A                | 5,270   | 9,657   | 5,500     | 2,500     | 2,500     | 25,427      | 2,500     | 2,500     | 2,500     | 2,500     |           | 35,427            |
| ASHBRIDGES BAY WWTP - ODOUR CONTROL                | N/A                | 2,643   | 12,687  | 8,400     | 122       |           | 23,852      |           |           |           |           |           | 23,852            |
| ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING        | N/A                | 3,000   | 3,725   | 22,046    | 28,200    | 26,710    | 83,681      | 21,710    | 17,960    | 15,110    | 80        |           | 138,541           |
| ASHBRIDGES BAY WWTP REHAB                          | N/A                | 19,810  | 29,998  | 39,571    | 47,372    | 31,309    | 168,060     | 13,630    | 10,976    | 9,039     | 8,940     | 8,540     | 219,185           |
| ASHBRIDGES BAY TP YR2005                           | N/A                | 3,770   | 3,714   | 3,275     | 1,438     |           | 12,197      |           |           |           |           |           | 12,197            |
| AVENUE ROAD TRUNKMAIN REPLACEMENT                  | N/A                | 354     | 1,090   |           |           |           | 1,444       |           |           |           |           |           | 1,444             |
| BASEMENT FLOODING RELIEF                           | N/A                | 62,965  | 82,833  | 129,094   | 167,069   | 176,625   | 618,586     | 178,204   | 183,747   | 189,090   | 188,440   | 188,440   | 1,546,507         |
| BAYVIEW TRUNK WATERMAIN - PH2                      | N/A                |         |         |           |           |           | 500         | 400       | 4,000     | 4,000     |           |           | 8,900             |
| BUSINESS IT PROJECTS                               | N/A                | 1,033   | 2,069   | 1,621     | 1,272     | 1,373     | 7,368       | 500       |           |           |           |           | 7,868             |
| BUSINESS SYSTEM INFRASTRUCTURE - PW                | N/A                | 10,328  | 9,683   | 8,367     | 9,267     | 8,652     | 46,297      | 4,937     | 3,391     | 2,394     | 2,509     | 2,479     | 62,007            |
| CLARK RESIDUE MGMT. FACILITIES                     | N/A                | 380     | 950     |           |           |           | 1,330       |           |           |           |           |           | 1,330             |
| CONVEYANCE CONTROLS - REPLC & REHAB                | N/A                | 44      |         |           |           |           | 44          |           |           |           |           |           | 44                |
| D2/D4 TRUNK WATERMAIN UPGRADES                     | N/A                |         |         |           | 300       | 600       | 900         | 5,600     | 20,600    | 17,225    | 10,300    |           | 54,625            |
| DIST SEWER REHAB OPS YR2005                        | N/A                | 388     | 12      |           |           |           | 400         |           |           |           |           |           | 400               |
| DIST W/M REHABILITATION                            | N/A                | 50,788  | 62,572  | 70,041    | 69,438    | 67,512    | 320,351     | 67,705    | 72,052    | 73,901    | 74,003    | 74,108    | 682,120           |
| DIST W/M REPLACEMENT                               | N/A                | 62,323  | 86,626  | 86,459    | 98,100    | 107,100   | 440,608     | 115,300   | 121,100   | 123,300   | 123,500   | 123,500   | 1,047,308         |
| DIST WATER SERVICE REPAIR                          | N/A                | 22,934  | 27,169  | 27,248    | 28,008    | 28,483    | 133,842     | 28,972    | 29,476    | 29,996    | 29,713    | 30,239    | 282,238           |
| DISTRICT WATERMANS - NEW                           | N/A                | 102     | 500     | 500       | 500       | 500       | 2,102       | 500       | 500       | 500       | 500       | 500       | 4,602             |
| DON & WATERFRONT TRUNK CSO                         | N/A                | 6,150   | 12,601  | 4,000     | 28,546    | 52,180    | 103,477     | 54,180    | 56,180    | 106,807   | 90,680    | 116,500   | 527,824           |
| DOWNTOWN W/M ENHANCEMENT                           | N/A                | 11,932  | 7,821   | 7         |           |           | 19,760      |           |           |           |           |           | 19,760            |
| EMERY CREEK POND                                   | N/A                | 3,900   | 1,073   |           |           |           | 4,973       |           |           |           |           |           | 4,973             |
| ENGINEERING  | N/A                | 51,219  | 54,546  | 46,885    | 46,366    | 49,223    | 248,239     | 55,259    | 52,631    | 51,748    | 53,081    | 49,235    | 510,193           |
| ENGINEERING STUDIES                                | N/A                | 1,647   | 1,279   | 620       | 110       | 50        | 3,706       | 50        | 50        | 50        | 50        | 50        | 3,956             |
| EQUIPMENT REPLACEMENT & REHABILITATION             | N/A                | 386     | 4,858   | 5,220     | 3,890     | 20        | 14,374      | 30        |           |           |           |           | 14,404            |
| FJ HORGAN W.T.P. R&R                               | 223,728.0          | 3,412   | 7,325   | 6,488     | 4,625     | 2,445     | 24,295      | 1,024     | 775       | 675       | 200       | 200       | 27,169            |
| FJ HORGAN W.T.P. R&R                               | N/A                | 84      |         |           |           |           | 84          |           |           |           |           |           | 84                |
| GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES      | N/A                | 2,840   | 2,840   | 2,840     | 2,840     | 2,840     | 14,200      | 2,840     | 2,840     | 2,840     | 2,840     | 2,840     | 28,400            |
| HARRIS W.T.P. R&R                                  | N/A                | 7,187   | 17,772  | 14,785    | 22,858    | 19,007    | 81,609      | 14,650    | 11,500    | 1,700     | 500       | 500       | 110,459           |
| HIGHLAND CREEK T.P. - IV YR2004                    | N/A                | 63      | 120     |           |           |           | 183         |           |           |           |           |           | 183               |
| HIGHLAND CREEK TP YR2005                           | N/A                | 122     | 115     | 5         |           |           | 242         |           |           |           |           |           | 242               |
| HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV     | N/A                | 1,000   | 3,500   | 4,000     | 4,000     | 2,800     | 15,300      |           |           |           |           |           | 15,300            |
| HIGHLAND CREEK WWTP - ODOUR CONTROL                | N/A                | 15,505  | 18,475  | 16,920    | 16,500    | 7,380     | 74,780      | 6,500     | 11,300    | 10,550    | 5,350     |           | 108,480           |
| HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING        | N/A                | 746     | 7,100   | 5,050     | 26,500    | 43,000    | 82,396      | 37,000    | 35,000    | 250       | 250       |           | 154,896           |
| HIGHLAND CREEK WWTP UPGRADES                       | N/A                | 19,657  | 43,987  | 29,405    | 17,875    | 31,397    | 142,321     | 46,403    | 46,400    | 34,985    | 30,050    | 11,130    | 311,289           |
| HORGAN TRUNK MAIN EXPANSION                        | N/A                | 900     | 6,250   | 31,100    | 27,070    | 4,600     | 69,920      | 7,500     | 10,320    | 3,300     | 700       | 600       | 92,340            |
| HORGAN W.T.P. EXPANSION                            | N/A                | 3,496   | 5,264   |           |           |           | 8,760       |           |           |           |           |           | 8,760             |
| HUMBER T.P.  | N/A                | 200     | 200     | 109       |           |           | 509         |           |           |           |           |           | 509               |
| HUMBER T.P. - II YR2004                            | N/A                | 155     | 5       | 7         | 7         |           | 174         |           |           |           |           |           | 174               |
| HUMBER TP YR2005                                   | N/A                | 1,793   | 1,750   | 174       | 100       | 101       | 3,918       |           |           |           |           |           | 3,918             |
| HUMBER WWTP - LIQUID TREATMENT & HANDLING          | N/A                | 9,330   | 26,134  | 49,025    | 48,600    | 48,732    | 181,821     | 47,850    | 42,405    | 1,150     | 3,120     | 15,000    | 291,346           |
| HUMBER WWTP - O&M UPGRADES                         | N/A                | 9,584   | 5,877   | 4,850     |           |           | 20,311      |           |           |           |           |           | 20,311            |
| HUMBER WWTP - ODOUR CONTROL                        | N/A                | 32,730  | 11,750  | 3,385     |           |           | 47,865      |           |           |           |           |           | 47,865            |
| HUMBER WWTP UPGRADES                               | N/A                | 9,137   | 8,657   | 10,157    | 5,093     | 10,263    | 43,307      | 15,425    | 5,140     | 1,200     | 1,125     | 1,125     | 67,322            |
| ISLAND PLANT WINTERIZATION                         | N/A                | 56      | 515     |           |           |           | 571         |           |           |           |           |           | 571               |
| ISLAND W.T.P. R&R                                  | N/A                | 719     | 2,530   | 7,485     | 7,250     | 7,250     | 25,234      | 2,050     | 10        |           |           |           | 27,294            |
| ISLAND W.T.P. R&R                                  | N/A                | 3,755   | 6,576   | 2,990     | 620       | 375       | 14,316      | 525       | 375       | 525       | 375       | 525       | 16,641            |
| Land Acquisition for Source Water Protect          | N/A                | 8,500   | 7,000   | 8,000     | 8,000     | 9,500     | 41,000      | 9,500     | 9,500     | 9,500     | 11,000    | 11,000    | 91,500            |
| LAWRENCE ALLAN REVITALIZATION PLAN                 | N/A                | 6,471   | 3,354   | 18,078    | 2,127     | 3,531     | 33,561      |           |           |           |           |           | 33,561            |
| METERING & METER READING SYS                       | 232,155.2          | 26,920  | 30,367  | 2,515     |           |           | 59,802      |           |           |           |           |           | 59,802            |
| NEW SERVICE CONNECTIONS                            | N/A                | 26,082  | 26,180  | 18,452    | 24,601    | 22,254    | 117,569     | 22,411    | 22,574    | 22,741    | 22,913    | 23,091    | 231,299           |
| NEW SEWER CONSTRUCTION                             | N/A                | 3,500   | 8,000   | 10,000    | 10,000    | 12,000    | 43,500      | 14,000    | 14,000    | 14,000    | 14,000    | 14,000    | 113,500           |
| NORTH TORONTO WTP UPGRADES                         | N/A                | 2       | 752     | 500       | 250       |           | 1,504       |           |           |           |           |           | 1,504             |
| OPERATIONAL SUPPORT                                | N/A                | 4,110   | 5,255   | 7,949     | 8,010     | 7,623     | 32,947      | 2,755     | 5,655     | 2,230     | 2,230     | 2,230     | 48,047            |
| PW ENGINEERING                                     | N/A                | 3,390   | 5,024   | 5,785     | 3,535     | 2,900     | 20,634      | 1,900     | 1,900     | 1,900     | 1,400     | 900       | 28,634            |
| REGENT PARK CAPITAL CONTRIBUTION                   | N/A                | 1,215   | 1,803   | 475       | 1,090     | 632       | 5,215       | 37        | 54        | 31        |           |           | 5,337             |
| RL CLARK W.T.P. R&R                                | N/A                | 12,644  | 9,890   | 22,212    | 13,895    | 5,375     | 64,016      | 10,150    | 20,150    | 20,150    | 150       | 150       | 114,766           |
| SEWAGE PUMPING STATION UPGRADES                    | N/A                | 8,565   | 3,986   | 643       | 3,700     | 9,550     | 26,444      | 11,600    | 9,500     | 7,300     | 3,150     | 100       | 58,094            |
| SEWER ASSET PLANNING                               | N/A                | 11,658  | 16,782  | 15,095    | 17,501    | 17,650    | 78,686      | 26,150    | 20,645    | 15,150    | 15,150    | 13,650    | 169,431           |
| SEWER REPLACEMENT PROGRAM                          | N/A                | 44,446  | 45,768  | 44,396    | 43,900    | 48,786    | 227,296     | 52,000    | 57,000    | 57,000    | 57,000    | 57,000    | 507,296           |
| SEWER SYSTEM REHABILITATION                        | N/A                | 35,068  | 39,822  | 36,412    | 55,800    | 53,665    | 220,767     | 57,678    | 58,373    | 60,036    | 60,036    | 60,036    | 516,926           |
| STREAM RESTORATION & EROSION CONTROL               | N/A                | 12,361  | 6,895   | 10,049    | 8,836     | 13,475    | 51,616      | 13,210    | 13,310    | 11,660    | 12,660    | 14,660    | 117,116           |
| SWITCH GEAR TRANSFORMER                            | N/A                | 5,000   | 5,400   | 3,703     |           |           | 14,103      |           |           |           |           |           | 14,103            |
| SWM TRCA FUNDING                                   | N/A                | 4,069   | 4,171   | 4,275     | 4,382     | 4,491     | 21,388      | 4,604     | 4,719     | 4,837     | 4,958     | 5,082     | 45,588            |
| SWM END OF PIPE FACILITIES                         | N/A                | 10,400  | 4,851   | 6,550     | 11,540    | 14,530    | 47,871      | 20,130    | 31,680    | 15,500    | 30,000    | 70,000    | 215,181           |
| SWM SOURCE CONTROL PROG                            | N/A                | 150     | 150     | 150       | 150       |           | 600         |           |           |           |           |           | 600               |
| TASTE AND ODOUR MANAGEMENT                         | N/A                |         |         |           |           |           | -           |           |           |           | 2,500     | 10,000    | 12,500            |
| TRANSMISSION R&R                                   | N/A                | 21,974  | 31,390  | 22,405    | 7,431     | 11,837    | 95,037      | 12,400    | 8,950     | 9,725     | 13,835    | 18,400    | 158,347           |
| TRUNK SEWER SYSTEM                                 | N/A                | 27,282  | 29,096  | 28,647    | 33,284    | 34,596    | 152,905     | 35,011    | 35,000    | 50,000    | 50,000    | 50,000    | 372,916           |
| TRUNK WATERMAIN                                    | N/A                | 750     | 4,140   | 4,770     | 1,890     | 2,250     | 13,800      | 2,000     | 5,000     | 5,000     | 5,000     | 5,000     | 35,800            |
| TRUNK WATERMAIN EXPANSION                          | N/A                | 400     | 5,600   | 7,700     | 7,400     | 6,050     | 27,150      | 50        |           |           |           |           | 27,200            |
| W&WW LABORATORIES                                  | N/A                | 120     | 120     | 150       | 210       | 210       | 810         | 210       | 1,510     | 8,610     | 8,610     | 3,010     | 22,760            |
| WATER EFFICIENCY PROGRAM                           | N/A                | 520     | 520     | 520       | 520       | 520       | 2,600       | 520       | 520       | 520       | 520       | 520       | 5,200             |
| WATER STORAGE EXPANSION                            | N/A                | 197     |         |           |           |           | 197         |           |           |           |           |           | 197               |
| WATER SUSTAINABILITY PROGRAM                       | N/A                | 1,370   | 18,157  | 13,705    | 17,220    | 5,752     | 56,204      | 11,300    | 8,700     | 1,550     | 8,950     | 850       | 87,554            |
| WESTERN BEACHES RETROFIT                           | N/A                | 1,203   | 4,100   | 1,000     | -         | -         | 6,303       |           |           |           |           |           | 6,303             |
| WET WEATHER FLOW MP                                | N/A                | 13,502  | 24,972  | 11,357    | 17,193    | 8,950     | 75,974      | 9,100     | 8,500     | 10,850    | 11,850    | 10,350    | 126,624           |
| Total (including carry forward funding)            | 455,883            | 782,403 | 998,187 | 1,065,040 | 1,173,027 | 1,231,464 | 5,250,121   | 1,214,277 | 1,248,191 | 1,171,325 | 1,082,018 | 1,074,140 | 11,040,072        |

## **Appendix 3**

### **2015 Rec'd Capital Budget; 2016 to 2024 Rec'd Capital Plan**

**CITY OF TORONTO**

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

**Water Program**

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

**CITY OF TORONTO**

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

**Water Program**

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

**CITY OF TORONTO**

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**Water Program**

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





**CITY OF TORONTO**

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

| <b>Water Program</b>                   |  |      |       |      |        | Current and Future Year Cash Flow Commitments |        |       |        |                    |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                    |                        |          |                  |                            |         |        |                               |                    |         |
|--|--|------|-------|------|--------|---|--------|-------|--------|--------------------|--------------------|--------------------|---|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|
| Sub-Project No.                        | Project Name                                       | Ward | Stat. | Cat. | 2015   | 2016  | 2017   | 2018  | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024 | Provincial<br>Grants and<br>Subsidies                     | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |
| <u>WAT906900 TRANSMISSION R&amp;R</u>  |  |      |       |      |        |   |        |       |        |                    |                    |                    |   |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0 6                                    | ELLESMERE P.S. UPGRADE                             | CW   | S2    | 05   | 25     | 525   | 0      | 0     | 0      | 550                | 0                  | 550                | 0   | 0                  | 127                    | 0        | 75               | 0                          | 0       | 348    | 0                             | 0                  | 550     |
| 0 7                                    | RESERVOIR REHAB -FUTURE                            | CW   | S6    | 03   | 0      | 0   | 360    | 3,660 | 7,900  | 11,920             | 32,600             | 44,520             | 0   | 0                  | 0                      | 0        | 44,520           | 0                          | 0       | 0      | 0                             | 0                  | 44,520  |
| 0 26                                   | SCARBOROUGH PS - PUMP REPLC                        | CW   | S2    | 03   | 550    | 0   | 0      | 0     | 0      | 550                | 0                  | 550                | 0   | 0                  | 0                      | 0        | 550              | 0                          | 0       | 0      | 0                             | 0                  | 550     |
| 0 27                                   | EGLINTON PS -PUMP REPLC                            | CW   | S2    | 03   | 2,250  | 0   | 0      | 0     | 0      | 2,250              | 0                  | 2,250              | 0   | 0                  | 0                      | 0        | 2,250            | 0                          | 0       | 0      | 0                             | 0                  | 2,250   |
| 0 36                                   | ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION  | CW   | S2    | 03   | 5,250  | 500   | 0      | 0     | 0      | 5,750              | 0                  | 5,750              | 0   | 0                  | 0                      | 0        | 5,750            | 0                          | 0       | 0      | 0                             | 0                  | 5,750   |
| 0 37                                   | TRANS FACILITIES REHAB - 2015 SC                   | CW   | S3    | 03   | 90     | 475   | 135    | 25    | 0      | 725                | 0                  | 725                | 0   | 0                  | 0                      | 0        | 725              | 0                          | 0       | 0      | 0                             | 0                  | 725     |
| 0 38                                   | ELLESMERE P.S. UPGRADE - 2015 SC                   | CW   | S3    | 05   | -25    | -500  | 525    | 0     | 0      | 0                  | 0                  | 0                  | 0   | 0                  | 0                      | 0        | 0                | 0                          | 0       | 0      | 0                             | 0                  | 0       |
| 0 39                                   | SCARBOROUGH PS - PUMP REPLC - 2015 SC              | CW   | S3    | 03   | -95    | 120   | 0      | 0     | 0      | 25                 | 0                  | 25                 | 0   | 0                  | 0                      | 0        | 25               | 0                          | 0       | 0      | 0                             | 0                  | 25      |
| 0 40                                   | EGLINTON PS - PUMP REPLC - 2015 SC                 | CW   | S3    | 03   | -383   | 458   | 0      | 0     | 0      | 75                 | 0                  | 75                 | 0   | 0                  | 0                      | 0        | 75               | 0                          | 0       | 0      | 0                             | 0                  | 75      |
| 0 41                                   | ST CLAIR RES REHAB/WATER QUALITY PROTECTION-2015SC | CW   | S3    | 03   | 1,910  | 10,043  | 5,485  | 353   | 7      | 17,798             | 0                  | 17,798             | 0   | 0                  | 0                      | 0        | 17,798           | 0                          | 0       | 0      | 0                             | 0                  | 17,798  |
| 0 43                                   | DOWNSVIEW PS - Construction                        | CW   | S6    | 05   | 0      | 0   | 0      | 0     | 2,000  | 2,000              | 12,000             | 14,000             | 0   | 0                  | 0                      | 0        | 14,000           | 0                          | 0       | 0      | 0                             | 0                  | 14,000  |
| 0 44                                   | PUMPING STATION REHAB - Engineering                | CW   | S6    | 03   | 0      | 0   | 40     | 125   | 175    | 340                | 1,850              | 2,190              | 0   | 0                  | 0                      | 0        | 2,190            | 0                          | 0       | 0      | 0                             | 0                  | 2,190   |
| 0 45                                   | PUMPING STATION REHAB - Construction               | CW   | S6    | 03   | 0      | 0   | 0      | 750   | 300    | 1,050              | 14,200             | 15,250             | 0   | 0                  | 0                      | 0        | 15,250           | 0                          | 0       | 0      | 0                             | 0                  | 15,250  |
| 0 47                                   | DOWNSVIEW PS - Engineering                         | CW   | S6    | 05   | 0      | 0   | 30     | 130   | 350    | 510                | 1,410              | 1,920              | 0   | 0                  | 0                      | 0        | 1,920            | 0                          | 0       | 0      | 0                             | 0                  | 1,920   |
| 0 48                                   | ROSEHILL RESERVOIR                                 | CW   | S4    | 03   | 600    | 8,000   | 7,500  | 500   | 0      | 16,600             | 0                  | 16,600             | 0   | 0                  | 0                      | 0        | 16,600           | 0                          | 0       | 0      | 0                             | 0                  | 16,600  |
| 0 49                                   | DOWNSVIEW PS & CONNECTOR                           | CW   | S4    | 05   | 50     | 150   | 60     | 0     | 0      | 260                | 0                  | 260                | 0   | 0                  | 0                      | 0        | 260              | 0                          | 0       | 0      | 0                             | 0                  | 260     |
| 0 50                                   | PARKDALE PS REHABILITATION                         | CW   | S4    | 03   | 500    | 1,500   | 1,000  | 0     | 0      | 3,000              | 0                  | 3,000              | 0   | 0                  | 0                      | 0        | 3,000            | 0                          | 0       | 0      | 0                             | 0                  | 3,000   |
| 0 51                                   | ROSEHILL PS REHAB                                  | CW   | S4    | 03   | 50     | 975   | 100    | 0     | 0      | 1,125              | 0                  | 1,125              | 0   | 0                  | 0                      | 0        | 1,125            | 0                          | 0       | 0      | 0                             | 0                  | 1,125   |
| Sub-total                              |  |      |       |      | 10,922 | 22,246  | 15,235 | 5,543 | 10,732 | 64,678             | 62,060             | 126,738            | 0   | 0                  | 127                    | 0        | 126,263          | 0                          | 0       | 348    | 0                             | 0                  | 126,738 |
| <u>WAT906902 HARRIS W.T.P. R&amp;R</u> |  |      |       |      |        |   |        |       |        |                    |                    |                    |   |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0 2                                    | BUILDING ENVELOPE REHAB                            | CW   | S2    | 03   | 23     | 0   | 0      | 0     | 0      | 23                 | 0                  | 23                 | 0   | 0                  | 0                      | 0        | 23               | 0                          | 0       | 0      | 0                             | 0                  | 23      |
| 0 3                                    | FACILITY & PROCESS UPGRADES                        | CW   | S2    | 03   | 500    | 0   | 0      | 0     | 0      | 500                | 0                  | 500                | 0   | 0                  | 0                      | 0        | 500              | 0                          | 0       | 0      | 0                             | 0                  | 500     |
| 0 13                                   | FILTER MEDIA REPLACEMENT PH2                       | CW   | S2    | 03   | 80     | 150   | 0      | 0     | 0      | 230                | 0                  | 230                | 0   | 0                  | 0                      | 0        | 230              | 0                          | 0       | 0      | 0                             | 0                  | 230     |
| 0 21                                   | HVAC REHAB - CONSTRUCTION                          | CW   | S2    | 03   | 1,676  | 1,000   | 250    | 0     | 0      | 2,926              | 0                  | 2,926              | 0   | 0                  | 0                      | 0        | 2,926            | 0                          | 0       | 0      | 0                             | 0                  | 2,926   |



**CITY OF TORONTO**

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

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

**CITY OF TORONTO**

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

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



**CITY OF TORONTO**

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

| Water Program                              |                            |  |      |       |      | Current and Future Year Cash Flow Commitments |        |        |        |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
|--|----------------------------|--|------|-------|------|---|--------|--------|--------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|
|  |                            |  |      |       |      | 2015  | 2016   | 2017   | 2018   | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |
| Sub-<br>Priority                           | Project No.<br>SubProj No. | Project Name<br>Sub-project Name                   | Ward | Stat. | Cat. |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| <b>WAT906934 DIST WATER SERVICE REPAIR</b> |                            |  |      |       |      |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0  | 4                          | 10 YR ALL DIST WSR - LEAD                          | CW   | S6    | 02   | 0   | 1,000  | 2,000  | 13,335 | 13,630 | 29,965             | 72,892             | 102,857   | 0                                     | 0                  | 0                      | 0        | 102,857          | 0                          | 0       | 0      | 0                             | 0                  | 102,857 |
| 0  | 6                          | 10Yr All Dist WSR - SOGR                           | CW   | S6    | 02   | 0   | 1,000  | 9,335  | 12,510 | 12,690 | 35,535             | 64,689             | 100,224   | 0                                     | 0                  | 0                      | 0        | 100,224          | 0                          | 0       | 0      | 0                             | 0                  | 100,224 |
| 0  | 12                         | ALL DISTRICT WSR - LEAD REPLACEMENT                | CW   | S2    | 02   | 7,174   | 9,250  | 9,250  | 0      | 0      | 25,674             | 0                  | 25,674  | 0                                     | 0                  | 0                      | 0        | 25,674           | 0                          | 0       | 0      | 0                             | 0                  | 25,674  |
| 0  | 19                         | 2010 WSR   | CW   | S4    | 02   | 219   | 0      | 0      | 0      | 0      | 219                | 0                  | 219   | 0                                     | 0                  | 0                      | 0        | 219              | 0                          | 0       | 0      | 0                             | 0                  | 219     |
| 0  | 32                         | WSR CUT REPAIRS                                    | CW   | S2    | 03   | 2,186   | 0      | 0      | 0      | 0      | 2,186              | 0                  | 2,186   | 0                                     | 0                  | 0                      | 0        | 2,186            | 0                          | 0       | 0      | 0                             | 0                  | 2,186   |
| 0  | 39                         | 2012 WATER SERVICE REPLACEMENT                     | CW   | S2    | 02   | 50  | 0      | 0      | 0      | 0      | 50                 | 0                  | 50  | 0                                     | 0                  | 0                      | 0        | 50               | 0                          | 0       | 0      | 0                             | 0                  | 50      |
| 0  | 41                         | 2013 WATER SERVICE REPLACEMENT -SOGR               | CW   | S2    | 02   | 2,631   | 0      | 0      | 0      | 0      | 2,631              | 0                  | 2,631   | 0                                     | 0                  | 0                      | 0        | 2,631            | 0                          | 0       | 0      | 0                             | 0                  | 2,631   |
| 0  | 45                         | WSR CUT REPAIRS - FUTURE                           | CW   | S6    | 03   | 0   | 0      | 2,163  | 2,163  | 2,163  | 6,489              | 10,815             | 17,304  | 0                                     | 0                  | 0                      | 0        | 17,304           | 0                          | 0       | 0      | 0                             | 0                  | 17,304  |
| 0  | 52                         | 2014 WATER SERVICE REPLACEMENT - SOGR              | CW   | S2    | 02   | 4,711   | 0      | 0      | 0      | 0      | 4,711              | 0                  | 4,711   | 0                                     | 0                  | 0                      | 0        | 4,711            | 0                          | 0       | 0      | 0                             | 0                  | 4,711   |
| 0  | 58                         | WSR CUT REPAIR - 2015 SC                           | CW   | S3    | 03   | -86   | 2,100  | 0      | 0      | 0      | 2,014              | 0                  | 2,014   | 0                                     | 0                  | 0                      | 0        | 2,014            | 0                          | 0       | 0      | 0                             | 0                  | 2,014   |
| 0  | 59                         | 2015 WATER SERVICE REPLACEMENT - SOGR              | CW   | S4    | 03   | 4,500   | 9,000  | 4,500  | 0      | 0      | 18,000             | 0                  | 18,000  | 0                                     | 0                  | 0                      | 0        | 18,000           | 0                          | 0       | 0      | 0                             | 0                  | 18,000  |
| 0  | 60                         | WATER SERVICE REPAIR - LEAD PROGRAM-2015 SC        | CW   | S3    | 02   | 5,004   | 0      | 0      | 0      | 0      | 5,004              | 0                  | 5,004   | 0                                     | 0                  | 0                      | 0        | 5,004            | 0                          | 0       | 0      | 0                             | 0                  | 5,004   |
| 0  | 61                         | 2012 WATER SERVICE REPLC - SOGR-2015 SC            | CW   | S3    | 02   | -50   | 0      | 0      | 0      | 0      | -50                | 0                  | -50   | 0                                     | 0                  | 0                      | 0        | -50              | 0                          | 0       | 0      | 0                             | 0                  | -50     |
| 0  | 62                         | 2013 WSR-2015 SC                                   | CW   | S3    | 02   | -2,550  | 1,253  | 0      | 0      | 0      | -1,297             | 0                  | -1,297  | 0                                     | 0                  | 0                      | 0        | -1,297           | 0                          | 0       | 0      | 0                             | 0                  | -1,297  |
| 0  | 63                         | 2014 WATER SERVICE REPLACEMENT - SOGR-2015 SC      | CW   | S3    | 02   | -926  | 3,566  | 0      | 0      | 0      | 2,640              | 0                  | 2,640   | 0                                     | 0                  | 0                      | 0        | 2,640            | 0                          | 0       | 0      | 0                             | 0                  | 2,640   |
| 0  | 64                         | WSR - STANDALONE- 2015 SC                          | CW   | S3    | 02   | 71  | 0      | 0      | 0      | 0      | 71                 | 0                  | 71  | 0                                     | 0                  | 0                      | 0        | 71               | 0                          | 0       | 0      | 0                             | 0                  | 71      |
| Sub-total                                  |                            |  |      |       |      | 22,934  | 27,169 | 27,248 | 28,008 | 28,483 | 133,842            | 148,396            | 282,238   | 0                                     | 0                  | 0                      | 0        | 282,238          | 0                          | 0       | 0      | 0                             | 0                  | 282,238 |
| <b>WAT906935 NEW SERVICE CONNECTIONS</b>   |                            |  |      |       |      |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0  | 2                          | NEW SERVICE CONNECTIONS - CUT REPAIRS              | CW   | S2    | 05   | 3,500   | 0      | 0      | 0      | 0      | 3,500              | 0                  | 3,500   | 0                                     | 0                  | 0                      | 0        | 3,500            | 0                          | 0       | 0      | 0                             | 0                  | 3,500   |
| 0  | 7                          | NEW SERVICE CONNECTIONS - SITE SERVICING           | CW   | S2    | 05   | 14,000  | 0      | 0      | 0      | 0      | 14,000             | 0                  | 14,000  | 0                                     | 0                  | 0                      | 0        | 14,000           | 0                          | 0       | 0      | 0                             | 0                  | 14,000  |
| 0  | 14                         | 10 YEAR WATER SERVICES CONNECTIONS                 | CW   | S6    | 05   | 0   | 0      | 0      | 17,000 | 17,000 | 34,000             | 85,000             | 119,000   | 0                                     | 0                  | 0                      | 0        | 119,000          | 0                          | 0       | 0      | 0                             | 0                  | 119,000 |
| 0  | 15                         | NEW SERVICE CONNECTIONS - CUT REPAIRS - FUTURE     | CW   | S6    | 05   | 0   | 0      | 4,952  | 5,101  | 5,254  | 15,307             | 28,730             | 44,037  | 0                                     | 0                  | 0                      | 0        | 44,037           | 0                          | 0       | 0      | 0                             | 0                  | 44,037  |
| 0  | 18                         | NEW SERVICE CONNECTIONS - SITE SERVICING - 2015 SC | CW   | S3    | 05   | 8,002   | 22,100 | 13,500 | 2,500  | 0      | 46,102             | 0                  | 46,102  | 0                                     | 0                  | 0                      | 0        | 46,102           | 0                          | 0       | 0      | 0                             | 0                  | 46,102  |

**CITY OF TORONTO**

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

**Water Program**

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



**CITY OF TORONTO**

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

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

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

**CITY OF TORONTO**

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

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

| Status Code | Description  |
|-------------|--|
| S2          | S2 Prior Year (With 2015 and/or Future Year Cashflow)                  |
| S3          | S3 Prior Year - Change of Scope 2015 and/or Future Year Cost(Cashflow) |
| S4          | S4 New - Stand-Alone Project (Current Year Only)                       |
| S5          | S5 New (On-going or Phased Projects)                                   |
| S6          | S6 New - Future Year (Commencing in 2016 & Beyond)                     |

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



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |     |  |    |    |    | Current and Future Year Cash Flow Commitments |        |        |        |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |     |
|---|-----|--|----|----|----|---|--------|--------|--------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|-----|
|   |     |  |    |    |    | 2015  | 2016   | 2017   | 2018   | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |     |
| <u>WAS000007 ASHBRIDGES BAY WWTP REHAB</u>  |     |  |    |    |    |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |     |
| 0   | 229 | D BUILDING PHASE 2                                 | CW | S4 | 03 | 150   | 700    | 3,600  | 1,200  | 50     | 5,700              | 0                  | 5,700   | 0                                     | 0                  | 0                      | 0        | 5,700            | 0                          | 0       | 0      | 0                             | 0                  | 5,700   |     |
| 0   | 231 | HOT WATER LOOP MODIFICATIONS                       | CW | S4 | 03 | 100   | 500    | 0      | 0      | 0      | 600                | 0                  | 600   | 0                                     | 0                  | 0                      | 0        | 600              | 0                          | 0       | 0      | 0                             | 0                  | 600     |     |
| 0   | 232 | STANDBY POWER GENERATION-2015 SC                   | CW | S3 | 04 | -2,757  | 400    | -13    | 0      | 0      | -2,370             | 0                  | -2,370  | 0                                     | 0                  | -190                   | 0        | -2,180           | 0                          | 0       | 0      | 0                             | 0                  | -2,370  |     |
| 0   | 233 | P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN-2015 SC | CW | S3 | 03 | -831  | -99    | -148   | 881    | 0      | -197               | 0                  | -197  | 0                                     | 0                  | -16                    | 0        | -181             | 0                          | 0       | 0      | 0                             | 0                  | -197    |     |
| 0   | 234 | ELECTRICAL REHAB - ECAP-2015 SC                    | CW | S3 | 01 | -738  | 793    | -501   | -407   | 0      | -853               | 0                  | -853  | 0                                     | 0                  | 0                      | 0        | -853             | 0                          | 0       | 0      | 0                             | 0                  | -853    |     |
| 0   | 235 | MOBILE GENERATORS-2015 SC                          | CW | S3 | 04 | 29  | 0      | 0      | 0      | 0      | 29                 | 0                  | 29  | 0                                     | 0                  | 0                      | 0        | 29               | 0                          | 0       | 0      | 0                             | 0                  | 29      |     |
| 0   | 236 | REHAB OF GROUNDS & BUILDINGS-2015 SC               | CW | S3 | 03 | -25   | 0      | 0      | 0      | 0      | -25                | 0                  | -25   | 0                                     | 0                  | 0                      | 0        | -25              | 0                          | 0       | 0      | 0                             | 0                  | -25     |     |
| 0   | 237 | PROCESS UPGRADES & ODOUR CONTROL ENG-2015 SC       | CW | S3 | 04 | 280   | 145    | 276    | 0      | 0      | 701                | 0                  | 701   | 0                                     | 0                  | 57                     | 0        | 644              | 0                          | 0       | 0      | 0                             | 0                  | 701     |     |
| 0   | 238 | SECURITY UPGRADES                                  | CW | S4 | 04 | 200   | 1,200  | 1,550  | 0      | 0      | 2,950              | 0                  | 2,950   | 0                                     | 0                  | 0                      | 0        | 2,950            | 0                          | 0       | 0      | 0                             | 0                  | 2,950   |     |
| 0   | 239 | FINAL TANK UPGRADES - TANKS 10 & 11                | CW | S6 | 03 | 0   | 1,330  | 1,330  | 0      | 0      | 2,660              | 0                  | 2,660   | 0                                     | 0                  | 0                      | 0        | 2,660            | 0                          | 0       | 0      | 0                             | 0                  | 2,660   |     |
| 0   | 240 | OPERATIONS CENTRE -ENGINEERING - 2015 SC           | CW | S3 | 03 | -300  | 0      | 0      | 0      | 0      | -300               | 0                  | -300  | 0                                     | 0                  | 0                      | 0        | -300             | 0                          | 0       | 0      | 0                             | 0                  | -300    |     |
| Sub-total   |     |  |    |    |    | 19,810  | 29,998 | 39,571 | 47,372 | 31,309 | 168,060            | 51,125             | 219,185   | 0                                     | 0                  | 2,274                  | 0        | 216,911          | 0                          | 0       | 0      | 0                             | 0                  | 219,185 |     |
| <u>WAS000115 HUMBER T.P.</u>  |     |  |    |    |    |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |     |
| 0   | 9   | CO-GENERATION                                      | CW | S4 | 04 | 200   | 200    | 109    | 0      | 0      | 509                | 0                  | 509   | 0                                     | 0                  | 0                      | 0        | 509              | 0                          | 0       | 0      | 0                             | 0                  | 509     |     |
| Sub-total   |     |  |    |    |    | 200   | 200    | 109    | 0      | 0      | 509                | 0                  | 509   | 0                                     | 0                  | 0                      | 0        | 509              | 0                          | 0       | 0      | 0                             | 0                  | 0       | 509 |
| <u>WAS000259 TRUNK SEWER SYSTEM</u>   |     |  |    |    |    |   |        |        |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |     |
| 0   | 15  | TRUNK SEWWER REHAB-2012                            | CW | S2 | 03 | 6,078   | 6,884  | 1,611  | 381    | 38     | 14,992             | 11                 | 15,003  | 0                                     | 0                  | 0                      | 0        | 15,003           | 0                          | 0       | 0      | 0                             | 0                  | 15,003  |     |
| 0   | 18  | Keele Trunk Sewer Design & Construction            | CW | S6 | 05 | 0   | 0      | 500    | 5,500  | 8,500  | 14,500             | 95,000             | 109,500   | 0                                     | 0                  | 34,064                 | 0        | 75,436           | 0                          | 0       | 0      | 0                             | 0                  | 109,500 |     |
| 0   | 23  | TRUNK SEWER REHABILITATION                         | CW | S2 | 03 | 170   | 0      | 0      | 0      | 0      | 170                | 0                  | 170   | 0                                     | 0                  | 0                      | 0        | 170              | 0                          | 0       | 0      | 0                             | 0                  | 170     |     |
| 0   | 24  | TRUNK SEWER REHABILITATION - FORECAST              | CW | S6 | 03 | 0   | 0      | 15,000 | 21,000 | 21,000 | 57,000             | 100,000            | 157,000   | 0                                     | 0                  | 0                      | 0        | 157,000          | 0                          | 0       | 0      | 0                             | 0                  | 157,000 |     |
| 0   | 27  | TRUNK SEWER REHABILITATION - 2014                  | CW | S2 | 03 | 12,965  | 18,225 | 3,543  | 7      | 0      | 34,740             | 0                  | 34,740  | 0                                     | 0                  | 0                      | 0        | 34,740           | 0                          | 0       | 0      | 0                             | 0                  | 34,740  |     |
| 0   | 34  | KEELE TRUNK SEWER DESIGN & CONSTRUCTION            | CW | S2 | 05 | 1,000   | 0      | 0      | 0      | 0      | 1,000              | 0                  | 1,000   | 0                                     | 0                  | 0                      | 0        | 1,000            | 0                          | 0       | 0      | 0                             | 0                  | 1,000   |     |
| 0   | 36  | TRUNK SEWER REPLACEMENT-FORECAST                   | CW | S6 | 03 | 0   | 5,000  | 5,000  | 5,000  | 5,000  | 20,000             | 25,000             | 45,000  | 0                                     | 0                  | 0                      | 0        | 45,000           | 0                          | 0       | 0      | 0                             | 0                  | 45,000  |     |
| 0   | 38  | TRUNK SEWER REHABILITATION - 2012 - 2015 SC        | CW | S3 | 03 | 7,751   | -603   | 311    | 10     | 51     | 7,520              | 0                  | 7,520   | 0                                     | 0                  | 0                      | 0        | 7,520            | 0                          | 0       | 0      | 0                             | 0                  | 7,520   |     |

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |   |    |    |    | Current and Future Year Cash Flow Commitments |         |        |         |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
|---|----|---|----|----|----|---|---------|--------|---------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|--|
|   |    |   |    |    |    | 2015  | 2016    | 2017   | 2018    | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |  |
| <b>WAS000259 TRUNK SEWER SYSTEM</b>   |    |   |    |    |    |   |         |        |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 0   | 39 | TRUNK SEWER REHABILITATION - 2014 - 2015 SC       | CW | S3 | 03 | -35   | -1,025  | 2,382  | 1,386   | 7      | 2,715              | 0                  | 2,715   | 0                                     | 0                  | 0                      | 0        | 2,715            | 0                          | 0       | 0      | 0                             | 0                  | 2,715   |  |
| 0   | 40 | KEELE TRUNK SEWER DESIGN & CONSTRUCTION - 2015 SC | CW | S3 | 05 | -500  | 600     | 300    | 0       | 0      | 400                | 0                  | 400   | 0                                     | 0                  | 0                      | 0        | 400              | 0                          | 0       | 0      | 0                             | 0                  | 400     |  |
| 0   | 41 | TRUNK SEWER REHABILITATION-2015 SC                | CW | S3 | 03 | -147  | 15      | 0      | 0       | 0      | -132               | 0                  | -132  | 0                                     | 0                  | 0                      | 0        | -132             | 0                          | 0       | 0      | 0                             | 0                  | -132    |  |
| Sub-total   |    |   |    |    |    | 27,282  | 29,096  | 28,647 | 33,284  | 34,596 | 152,905            | 220,011            | 372,916   | 0                                     | 0                  | 34,064                 | 0        | 338,852          | 0                          | 0       | 0      | 0                             | 0                  | 372,916 |  |
| <b>WAS000442 BASEMENT FLOODING RELIEF</b>   |    |   |    |    |    |   |         |        |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 1   | 1  | BASEMENT FLOODING RELIEF - BACKFLOW GRANTS        | CW | S2 | 04 | 0   | 5,500   | 5,500  | 5,500   | 5,500  | 22,000             | 22,000             | 44,000  | 0                                     | 0                  | 0                      | 0        | 44,000           | 0                          | 0       | 0      | 0                             | 0                  | 44,000  |  |
| 0   | 8  | BASEMENT FLOODING STUDIES & EAS                   | CW | S2 | 04 | 4,503   | 1,485   | 0      | 0       | 0      | 5,988              | 0                  | 5,988   | 0                                     | 0                  | 0                      | 0        | 5,988            | 0                          | 0       | 0      | 0                             | 0                  | 5,988   |  |
| 0   | 9  | BASEMENT FLOODING RELIEF - TUNNEL PROJECT         | CW | S2 | 04 | 10,000  | 32,000  | 37,000 | 40,500  | 30,000 | 149,500            | 0                  | 149,500   | 0                                     | 0                  | 0                      | 0        | 149,500          | 0                          | 0       | 0      | 0                             | 0                  | 149,500 |  |
| 0   | 12 | ROAD RESTORATION FOR BSMT FLDG                    | CW | S2 | 04 | 772   | 0       | 0      | 0       | 0      | 772                | 0                  | 772   | 0                                     | 0                  | 0                      | 0        | 772              | 0                          | 0       | 0      | 0                             | 0                  | 772     |  |
| 0   | 14 | BASEMENT FLOODING DESIGN - GROUP 1                | CW | S2 | 04 | 1,888   | 1,900   | 0      | 0       | 0      | 3,788              | 0                  | 3,788   | 0                                     | 0                  | 0                      | 0        | 3,788            | 0                          | 0       | 0      | 0                             | 0                  | 3,788   |  |
| 0   | 18 | BASEMENT FLOODING DESIGN - GROUP 2                | CW | S2 | 04 | 5,900   | 5,500   | 5,500  | 25      | 0      | 16,925             | 0                  | 16,925  | 0                                     | 0                  | 0                      | 0        | 16,925           | 0                          | 0       | 0      | 0                             | 0                  | 16,925  |  |
| 0   | 19 | BASEMENT FLOODING RELIEF - GROUP 2                | CW | S2 | 04 | 41,222  | 39,832  | 49,299 | 1,500   | 0      | 131,853            | 0                  | 131,853   | 0                                     | 0                  | 0                      | 0        | 131,853          | 0                          | 0       | 0      | 0                             | 0                  | 131,853 |  |
| 0   | 20 | BASEMENT FLOODING DESIGN - GROUP 3                | CW | S2 | 04 | 3,000   | 4,000   | 5,000  | 5,000   | 4,000  | 21,000             | 4,000              | 25,000  | 0                                     | 0                  | 0                      | 0        | 25,000           | 0                          | 0       | 0      | 0                             | 0                  | 25,000  |  |
| 0   | 29 | BASEMENT FLOODING RELIEF - GROUP 1                | CW | S2 | 04 | 9,710   | 11,675  | 75     | 0       | 0      | 21,460             | 0                  | 21,460  | 0                                     | 0                  | 0                      | 0        | 21,460           | 0                          | 0       | 0      | 0                             | 0                  | 21,460  |  |
| 0   | 52 | BASEMENT FLOODING RELIEF-FUTURE                   | CW | S6 | 04 | 0   | 0       | 0      | 48,451  | 67,000 | 115,451            | 445,040            | 560,491   | 0                                     | 0                  | 0                      | 0        | 560,491          | 0                          | 0       | 0      | 0                             | 0                  | 560,491 |  |
| 0   | 68 | BSMT FLOODING PROTECTION SUBSIDY PROG - 2015 SC   | CW | S3 | 04 | 5,500   | 0       | 0      | -5,500  | -5,500 | -5,500             | -22,000            | -27,500   | 0                                     | 0                  | 0                      | 0        | -27,500          | 0                          | 0       | 0      | 0                             | 0                  | -27,500 |  |
| 0   | 69 | BASEMENT FLOODING STUDIES & EAS - 2015 SC         | CW | S3 | 04 | -2,757  | 538     | 280    | 100     | 100    | -1,739             | 0                  | -1,739  | 0                                     | 0                  | 0                      | 0        | -1,739           | 0                          | 0       | 0      | 0                             | 0                  | -1,739  |  |
| 0   | 70 | BASEMENT FLOODING RELIEF - GROUP 1 - 2015 SC      | CW | S3 | 04 | 2,881   | -1,408  | 0      | 0       | 0      | 1,473              | 0                  | 1,473   | 0                                     | 0                  | 0                      | 0        | 1,473            | 0                          | 0       | 0      | 0                             | 0                  | 1,473   |  |
| 0   | 71 | ROAD RESTORATION FOR BSMT FLDG PRJS - 2015 SC     | CW | S3 | 04 | 408   | 800     | 0      | 0       | 0      | 1,208              | 0                  | 1,208   | 0                                     | 0                  | 0                      | 0        | 1,208            | 0                          | 0       | 0      | 0                             | 0                  | 1,208   |  |
| 0   | 72 | BASEMENT FLOODING RELIEF-TUNNEL PROJ - 2015 SC    | CW | S3 | 04 | -9,485  | -17,000 | -7,000 | -10,500 | 5,000  | -38,985            | 40,000             | 1,015   | 0                                     | 0                  | 0                      | 0        | 1,015            | 0                          | 0       | 0      | 0                             | 0                  | 1,015   |  |
| 0   | 73 | BASEMENT FLOODING RELIEF - GROUP 2 - 2015 SC      | CW | S3 | 04 | -11,832                                       | -10,330 | 17,099 | 43,569  | 2,000  | 40,506             | 0                  | 40,506  | 0                                     | 0                  | 0                      | 0        | 40,506           | 0                          | 0       | 0      | 0                             | 0                  | 40,506  |  |
| 0   | 75 | BASEMENT FLOODING RELIEF - GROUP 4                | CW | S6 | 04 | 0   | 0       | 0      | 19,642  | 44,642 | 64,284             | 315,000            | 379,284   | 0                                     | 0                  | 0                      | 0        | 379,284          | 0                          | 0       | 0      | 0                             | 0                  | 379,284 |  |
| 0   | 76 | BASEMENT FLOODING FLOW MONITORING                 | CW | S6 | 04 | 0   | 1,500   | 1,500  | 1,500   | 1,500  | 6,000              | 1,500              | 7,500   | 0                                     | 0                  | 0                      | 0        | 7,500            | 0                          | 0       | 0      | 0                             | 0                  | 7,500   |  |
| 0   | 77 | BASEMENT FLOODING DESIGN - GROUP 4                | CW | S4 | 04 | 1,170   | 4,030   | 6,030  | 10,000  | 13,270 | 34,500             | 75,860             | 110,360   | 0                                     | 0                  | 0                      | 0        | 110,360          | 0                          | 0       | 0      | 0                             | 0                  | 110,360 |  |



**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub-Project No.                                      | Project Name                                     | Ward | Stat. | Cat. | Current and Future Year Cash Flow Commitments |        |        |        |        |                 |                 |                 |                                 | Current and Future Year Cash Flow Commitments Financed By |                     |          |               |                      |         |        |                    |                 |         |
|--|--|------|-------|------|---|--------|--------|--------|--------|-----------------|-----------------|-----------------|---------------------------------|---|---------------------|----------|---------------|----------------------|---------|--------|--------------------|-----------------|---------|
|  |  |      |       |      | 2015  | 2016   | 2017   | 2018   | 2019   | Total 2015-2019 | Total 2020-2024 | Total 2015-2024 | Provincial Grants and Subsidies | Federal Subsidy   | Development Charges | Reserves | Reserve Funds | Capital from Current | Other 1 | Other2 | Debt - Recoverable | Total Financing |         |
| <b>WAS906328 SWM END OF PIPE FACILITIES</b>          |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 38   | COATSWORTH CUT DESIGN & CONSTRUCTION             | CW   | S6    | 04   | 0   | 0      | 0      | 300    | 2,200  | 2,500           | 7,700           | 10,200          | 0                               | 0   | 821                 | 0        | 9,379         | 0                    | 0       | 0      | 0                  | 10,200          |         |
| 0 52   | Scarborough Waterfront Construction - 2015 SC    | CW   | S3    | 04   | 0   | 0      | 1,150  | 4,000  | 9,600  | 14,750          | 33,200          | 47,950          | 0                               | 0   | 3,860               | 0        | 44,090        | 0                    | 0       | 0      | 0                  | 47,950          |         |
| 0 53   | EARL BALES PARK SWM FACILITY - PHASE 2 - 2015 SC | CW   | S3    | 04   | 100   | 1,300  | 0      | 0      | 0      | 1,400           | 0               | 1,400           | 0                               | 0   | 112                 | 0        | 1,288         | 0                    | 0       | 0      | 0                  | 1,400           |         |
| 0 54   | NORTH TORONTO CSO CONSTR-2015 SC                 | CW   | S3    | 04   | 11  | -349   | 0      | 0      | 0      | -338            | 0               | -338            | 0                               | 0   | -25                 | 0        | -313          | 0                    | 0       | 0      | 0                  | -338            |         |
| 0 55   | Bonar Creek Construction-2015 SC                 | CW   | S3    | 04   | -500  | -1,750 | 0      | 1,950  | 120    | -180            | 0               | -180            | 0                               | 0   | -15                 | 0        | -165          | 0                    | 0       | 0      | 0                  | -180            |         |
| Sub-total  |  |      |       |      | 10,400  | 4,851  | 6,550  | 11,540 | 14,530 | 47,871          | 167,310         | 215,181         | 0                               | 0   | 17,317              | 0        | 197,864       | 0                    | 0       | 0      | 0                  | 0               | 215,181 |
| <b>WAS906331 SWM SOURCE CONTROL PROG</b>             |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 9  | DOWNSPOUT DISCONNECTION PROGRAM                  | CW   | S2    | 04   | 150   | 250    | 150    | 150    | 0      | 700             | 0               | 700             | 0                               | 0   | 0                   | 0        | 700           | 0                    | 0       | 0      | 0                  | 700             |         |
| 0 15   | DOWNSPOUT DISCONNECTION PROGRAM- 2015 SC         | CW   | S3    | 04   | 0   | -100   | 0      | 0      | 0      | -100            | 0               | -100            | 0                               | 0   | 0                   | 0        | -100          | 0                    | 0       | 0      | 0                  | -100            |         |
| Sub-total  |  |      |       |      | 150   | 150    | 150    | 150    | 0      | 600             | 0               | 600             | 0                               | 0   | 0                   | 0        | 600           | 0                    | 0       | 0      | 0                  | 0               | 600     |
| <b>WAS906380 HIGHLAND CREEK WWTP - ODOUR CONTROL</b> |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 1  | ODOUR CONTROL UPGRADES - PHASE 1 ENG             | CW   | S2    | 04   | 1,310   | 1,280  | 1,600  | 780    | 5      | 4,975           | 0               | 4,975           | 0                               | 0   | 398                 | 0        | 4,577         | 0                    | 0       | 0      | 0                  | 4,975           |         |
| 0 2  | ODOUR CONTROL UPGRADES PHASE 1 CONST             | CW   | S2    | 02   | 16,140  | 13,700 | 14,200 | 14,320 | 10,000 | 68,360          | 0               | 68,360          | 0                               | 0   | 5,504               | 0        | 62,856        | 0                    | 0       | 0      | 0                  | 68,360          |         |
| 0 3  | ODOUR CONTROL UPGRADES - PH 2                    | CW   | S6    | 02   | 0   | 0      | 0      | 400    | 1,000  | 1,400           | 33,700          | 35,100          | 0                               | 0   | 1,413               | 0        | 33,687        | 0                    | 0       | 0      | 0                  | 35,100          |         |
| 0 16   | ODOUR CONTROL UPGRADES - PHASE 1 ENG-2015 SC     | CW   | S3    | 04   | -805  | 195    | 320    | 320    | 800    | 830             | 0               | 830             | 0                               | 0   | 71                  | 0        | 759           | 0                    | 0       | 0      | 0                  | 830             |         |
| 0 17   | ODOUR CONTROL UPGRADES - PHASE 1 CONSTR-2015 SC  | CW   | S3    | 02   | -1,140  | 3,300  | 800    | 680    | -4,425 | -785            | 0               | -785            | 0                               | 0   | -66                 | 0        | -719          | 0                    | 0       | 0      | 0                  | -785            |         |
| Sub-total  |  |      |       |      | 15,505  | 18,475 | 16,920 | 16,500 | 7,380  | 74,780          | 33,700          | 108,480         | 0                               | 0   | 7,320               | 0        | 101,160       | 0                    | 0       | 0      | 0                  | 0               | 108,480 |
| <b>WAS906486 ASHBRIDGES BAY T.P. - III YR2004</b>    |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 3  | PCS-PLANT SRVS                                   | CW   | S2    | 04   | 1,530   | 50     | 30     | 0      | 0      | 1,610           | 0               | 1,610           | 0                               | 0   | 129                 | 0        | 1,481         | 0                    | 0       | 0      | 0                  | 1,610           |         |
| 0 4  | LANDSCAPE SITE DESIGN                            | CW   | S2    | 04   | 0   | 0      | 0      | 0      | 0      | 0               | 800             | 800             | 0                               | 0   | 0                   | 0        | 800           | 0                    | 0       | 0      | 0                  | 800             |         |
| 0 45   | LANDSCAPE SITE DESIGN - 2015 SC                  | CW   | S3    | 04   | 0   | 0      | 0      | 0      | 0      | 0               | -800            | -800            | 0                               | 0   | 0                   | 0        | -800          | 0                    | 0       | 0      | 0                  | -800            |         |
| 0 46   | PCS-PLANT SRVS-2015 SC                           | CW   | S3    | 04   | -35   | 0      | 0      | 0      | 0      | -35             | 0               | -35             | 0                               | 0   | -3                  | 0        | -32           | 0                    | 0       | 0      | 0                  | -35             |         |
| Sub-total  |  |      |       |      | 1,495   | 50     | 30     | 0      | 0      | 1,575           | 0               | 1,575           | 0                               | 0   | 126                 | 0        | 1,449         | 0                    | 0       | 0      | 0                  | 0               | 1,575   |
| <b>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</b>     |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 2  | PCS PLANT SERVICES                               | CW   | S2    | 04   | 108   | 3      | 0      | 0      | 0      | 111             | 0               | 111             | 0                               | 0   | 9                   | 0        | 102           | 0                    | 0       | 0      | 0                  | 111             |         |

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |  |    |    |    | Current and Future Year Cash Flow Commitments |        |       |       |       |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |        |  |
|---|----|--|----|----|----|---|--------|-------|-------|-------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|--------|--|
|   |    |  |    |    |    | 2015  | 2016   | 2017  | 2018  | 2019  | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |        |  |
| <u>WAS906487 HIGHLAND CREEK T.P. - IV YR2004</u>                                      |    |  |    |    |    |   |        |       |       |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |        |  |
| 0   | 20 | PCS PLANT SERVICES-2015 SC                   | CW | S3 | 04 | -45   | 117    | 0     | 0     | 0     | 72                 | 0                  | 72  | 0                                     | 0                  | 6                      | 0        | 66               | 0                          | 0       | 0      | 0                             | 0                  | 72     |  |
| Sub-total   |    |  |    |    |    | 63  | 120    | 0     | 0     | 0     | 183                | 0                  | 183   | 0                                     | 0                  | 15                     | 0        | 168              | 0                          | 0       | 0      | 0                             | 0                  | 183    |  |
| <u>WAS906488 HUMBER T.P. - II YR2004</u>  |    |  |    |    |    |   |        |       |       |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |        |  |
| 0   | 2  | PCS PLANT SERVICES                           | CW | S2 | 04 | 180   | 5      | 7     | 0     | 0     | 192                | 0                  | 192   | 0                                     | 0                  | 15                     | 0        | 177              | 0                          | 0       | 0      | 0                             | 0                  | 192    |  |
| 0   | 22 | PCS PLANT SERVICES-2015 SC                   | CW | S3 | 04 | -25   | 0      | 0     | 7     | 0     | -18                | 0                  | -18   | 0                                     | 0                  | -1                     | 0        | -17              | 0                          | 0       | 0      | 0                             | 0                  | -18    |  |
| Sub-total   |    |  |    |    |    | 155   | 5      | 7     | 7     | 0     | 174                | 0                  | 174   | 0                                     | 0                  | 14                     | 0        | 160              | 0                          | 0       | 0      | 0                             | 0                  | 174    |  |
| <u>WAS906492 WET WEATHER FLOW MP</u>  |    |  |    |    |    |   |        |       |       |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |        |  |
| 0   | 1  | SWM INA-EA                                   | CW | S2 | 04 | 610   | 150    | 150   | 150   | 0     | 1,060              | 0                  | 1,060   | 0                                     | 0                  | 85                     | 0        | 975              | 0                          | 0       | 0      | 0                             | 0                  | 1,060  |  |
| 0   | 2  | WWFMP - PUBLIC EDUCATION                     | CW | S2 | 04 | 500   | 500    | 0     | 0     | 0     | 1,000              | 0                  | 1,000   | 0                                     | 0                  | 80                     | 0        | 920              | 0                          | 0       | 0      | 0                             | 0                  | 1,000  |  |
| 0   | 10 | 10 Yr WWFMP Public Ed - Communications       | CW | S6 | 04 | 0   | 3,000  | 4,000 | 5,125 | 6,000 | 18,125             | 30,000             | 48,125  | 0                                     | 0                  | 3,873                  | 0        | 44,252           | 0                          | 0       | 0      | 0                             | 0                  | 48,125 |  |
| 0   | 11 | 10 Yr WWFMMP Implementation                  | CW | S6 | 04 | 0   | 0      | 500   | 500   | 500   | 1,500              | 2,500              | 4,000   | 0                                     | 0                  | 320                    | 0        | 3,680            | 0                          | 0       | 0      | 0                             | 0                  | 4,000  |  |
| 0   | 14 | WWFMP IMPLEMENTATION - DESIGN&CONTRACT ADMIN | CW | S2 | 04 | 1,132   | 1,000  | 500   | 0     | 0     | 2,632              | 0                  | 2,632   | 0                                     | 0                  | 212                    | 0        | 2,420            | 0                          | 0       | 0      | 0                             | 0                  | 2,632  |  |
| 0   | 15 | WWF MONITORING STATIONS                      | CW | S2 | 04 | 0   | 0      | 0     | 500   | 200   | 700                | 400                | 1,100   | 0                                     | 0                  | 88                     | 0        | 1,012            | 0                          | 0       | 0      | 0                             | 0                  | 1,100  |  |
| 0   | 40 | 10 YEAR SWM - CONVEYANCE                     | CW | S6 | 04 | 0   | 0      | 0     | 500   | 200   | 700                | 7,400              | 8,100   | 0                                     | 0                  | 652                    | 0        | 7,448            | 0                          | 0       | 0      | 0                             | 0                  | 8,100  |  |
| 0   | 44 | SWM CONVEYANCE 2013                          | CW | S2 | 04 | 319   | 0      | 0     | 0     | 0     | 319                | 0                  | 319   | 0                                     | 0                  | 26                     | 0        | 293              | 0                          | 0       | 0      | 0                             | 0                  | 319    |  |
| 0   | 51 | SWM CONVEYANCE 2014                          | CW | S2 | 04 | 4,299   | 0      | 0     | 0     | 0     | 4,299              | 0                  | 4,299   | 0                                     | 0                  | 0                      | 0        | 4,299            | 0                          | 0       | 0      | 0                             | 0                  | 4,299  |  |
| 0   | 57 | SWM CONVEYANCE 2014 - 2015 SC                | CW | S3 | 04 | -2,048  | 974    | 0     | 0     | 0     | -1,074             | 0                  | -1,074  | 0                                     | 0                  | 0                      | 0        | -1,074           | 0                          | 0       | 0      | 0                             | 0                  | -1,074 |  |
| 0   | 58 | SWM CONVEYANCE 2015                          | CW | S4 | 04 | 1,034   | 1,267  | 767   | 0     | 0     | 3,068              | 0                  | 3,068   | 0                                     | 0                  | 0                      | 0        | 3,068            | 0                          | 0       | 0      | 0                             | 0                  | 3,068  |  |
| 0   | 59 | STORM WATER POND ASSESSMENT & CLEANING       | CW | S4 | 03 | 200   | 1,000  | 1,000 | 2,200 | 2,200 | 6,600              | 0                  | 6,600   | 0                                     | 0                  | 0                      | 0        | 6,600            | 0                          | 0       | 0      | 0                             | 0                  | 6,600  |  |
| 0   | 60 | Ashbridges Bay Landforms                     | CW | S4 | 04 | 5,333   | 15,689 | 3,390 | 8,668 | 0     | 33,080             | 0                  | 33,080  | 0                                     | 0                  | 0                      | 0        | 33,080           | 0                          | 0       | 0      | 0                             | 0                  | 33,080 |  |
| 0   | 61 | Humber Bay Landforms                         | CW | S6 | 04 | 0   | 0      | 0     | 0     | 0     | 0                  | 5,000              | 5,000   | 0                                     | 0                  | 0                      | 0        | 5,000            | 0                          | 0       | 0      | 0                             | 0                  | 5,000  |  |
| 0   | 62 | SWM INA/EA-2015 SC                           | CW | S3 | 04 | -25   | 400    | 200   | 50    | 50    | 675                | 0                  | 675   | 0                                     | 0                  | 54                     | 0        | 621              | 0                          | 0       | 0      | 0                             | 0                  | 675    |  |
| 0   | 63 | WWFMP IMPLEMENTATION - DESIGN-2015 SC        | CW | S3 | 04 | 1,467   | 700    | 850   | 0     | 0     | 3,017              | 0                  | 3,017   | 0                                     | 0                  | 243                    | 0        | 2,774            | 0                          | 0       | 0      | 0                             | 0                  | 3,017  |  |
| 0   | 64 | WET WEATHER FLOW MONITORING STATIONS-2015 SC | CW | S3 | 04 | 0   | 0      | 0     | -500  | -200  | -700               | -400               | -1,100  | 0                                     | 0                  | -88                    | 0        | -1,012           | 0                          | 0       | 0      | 0                             | 0                  | -1,100 |  |

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub-Project No.                              | Project Name                                       | Ward | Stat. | Cat. | Current and Future Year Cash Flow Commitments |        |        |        |        |                 |                 |                 |                                 | Current and Future Year Cash Flow Commitments Financed By |                     |          |               |                      |         |        |                    |                 |         |
|--|--|------|-------|------|---|--------|--------|--------|--------|-----------------|-----------------|-----------------|---------------------------------|---|---------------------|----------|---------------|----------------------|---------|--------|--------------------|-----------------|---------|
|  |  |      |       |      | 2015  | 2016   | 2017   | 2018   | 2019   | Total 2015-2019 | Total 2020-2024 | Total 2015-2024 | Provincial Grants and Subsidies | Federal Subsidy   | Development Charges | Reserves | Reserve Funds | Capital from Current | Other 1 | Other2 | Debt - Recoverable | Total Financing |         |
| <u>WAS906492 WET WEATHER FLOW MP</u>         |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 65   | STORM WATER POND ASSESSMENT & CLEANING - 10 YEAR   | CW   | S6    | 03   | 0   | 0      | 0      | 0      | 0      | 0               | 5,750           | 5,750           | 0                               | 0   | 0                   | 0        | 5,750         | 0                    | 0       | 0      | 0                  | 0               | 5,750   |
| 0 66   | SWM CONVEYANCE 2013- 2015 SC                       | CW   | S3    | 04   | 681   | 292    | 0      | 0      | 0      | 973             | 0               | 973             | 0                               | 0   | 79                  | 0        | 894           | 0                    | 0       | 0      | 0                  | 0               | 973     |
| Sub-total                                    |  |      |       |      | 13,502  | 24,972 | 11,357 | 17,193 | 8,950  | 75,974          | 50,650          | 126,624         | 0                               | 0   | 5,624               | 0        | 121,000       | 0                    | 0       | 0      | 0                  | 0               | 126,624 |
| <u>WAS906495 SEWER ASSET PLANNING</u>        |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 5  | Sewer Asset Planning                               | CW   | S2    | 03   | 1,825   | 615    | 0      | 0      | 0      | 2,440           | 0               | 2,440           | 0                               | 0   | 196                 | 0        | 2,244         | 0                    | 0       | 0      | 0                  | 0               | 2,440   |
| 0 7  | Sewer System Inspection                            | CW   | S2    | 03   | 14,184  | 12,000 | 12,000 | 12,000 | 11,000 | 61,184          | 4,000           | 65,184          | 0                               | 0   | 0                   | 0        | 65,184        | 0                    | 0       | 0      | 0                  | 0               | 65,184  |
| 0 17   | SEWER ASSET PLANNING - 10 YR FORECAST              | CW   | S6    | 04   | 0   | 0      | 0      | 5,000  | 5,000  | 10,000          | 23,500          | 33,500          | 0                               | 0   | 1,347               | 0        | 32,153        | 0                    | 0       | 0      | 0                  | 0               | 33,500  |
| 0 18   | SEWER SYSTEM INSPECTION - 10 YR FORECAST           | CW   | S6    | 03   | 0   | 0      | 0      | 0      | 0      | 0               | 50,000          | 50,000          | 0                               | 0   | 0                   | 0        | 50,000        | 0                    | 0       | 0      | 0                  | 0               | 50,000  |
| 0 21   | PPD - INFRASTRUCTURE PLANNING STUDIES              | CW   | S2    | 05   | 180   | 0      | 0      | 0      | 0      | 180             | 0               | 180             | 0                               | 0   | 0                   | 0        | 180           | 0                    | 0       | 0      | 0                  | 0               | 180     |
| 0 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 25   | SEWER ASSET PLANNING - 2015 SC                     | CW   | S3    | 03   | 675   | 2,804  | 4,000  | 2,400  | 500    | 10,379          | 0               | 10,379          | 0                               | 0   | 835                 | 0        | 9,544         | 0                    | 0       | 0      | 0                  | 0               | 10,379  |
| 0 26   | SEWER SYSTEM INSPECTION-2015 SC                    | CW   | S3    | 03   | -5,176  | 1,213  | -1,055 | -2,049 | 1,000  | -6,067          | 12,495          | 6,428           | 0                               | 0   | 0                   | 0        | 6,428         | 0                    | 0       | 0      | 0                  | 0               | 6,428   |
| 0 27   | PPD - INFRASTRUCTURE PLANNING STUDIES-2015 SC      | CW   | S3    | 05   | -30   | 150    | 0      | 0      | 0      | 120             | 0               | 120             | 0                               | 0   | 0                   | 0        | 120           | 0                    | 0       | 0      | 0                  | 0               | 120     |
| Sub-total                                    |  |      |       |      | 11,658  | 16,782 | 15,095 | 17,501 | 17,650 | 78,686          | 90,745          | 169,431         | 0                               | 0   | 2,378               | 0        | 167,053       | 0                    | 0       | 0      | 0                  | 0               | 169,431 |
| <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   | 2,488               | 0        | 5,512         | 0                    | 0       | 0      | 0                  | 0               | 8,000   |
| 0 5  | NEW SEWERS   | CW   | S2    | 05   | 810   | 0      | 0      | 0      | 0      | 810             | 0               | 810             | 0                               | 0   | 504                 | 0        | 306           | 0                    | 0       | 0      | 0                  | 0               | 810     |
| 0 16   | 10 YEAR SEWER UPGRADES (CORRIDOR STUDIES)          | CW   | S6    | 05   | 0   | 0      | 2,000  | 4,000  | 6,000  | 12,000          | 40,000          | 52,000          | 0                               | 0   | 13,000              | 0        | 39,000        | 0                    | 0       | 0      | 0                  | 0               | 52,000  |
| 0 23   | NEW SEWERS - 2015 SC                               | CW   | S3    | 05   | -310  | 1,000  | 0      | 0      | 0      | 690             | 0               | 690             | 0                               | 0   | 429                 | 0        | 261           | 0                    | 0       | 0      | 0                  | 0               | 690     |
| 0 24   | WATERFRONT SANITARY MASTER SERVICING PLAN IMP      | CW   | S4    | 05   | 1,000   | 3,000  | 5,000  | 5,000  | 5,000  | 19,000          | 25,000          | 44,000          | 0                               | 0   | 22,000              | 0        | 22,000        | 0                    | 0       | 0      | 0                  | 0               | 44,000  |
| 0 25   | DOWNSVIEW LANDS EXTERNAL UPGRADES                  | CW   | S4    | 05   | 2,000   | 4,000  | 2,000  | 0      | 0      | 8,000           | 0               | 8,000           | 0                               | 0   | 8,000               | 0        | 0             | 0                    | 0       | 0      | 0                  | 0               | 8,000   |
| Sub-total                                    |  |      |       |      | 3,500   | 8,000  | 10,000 | 10,000 | 12,000 | 43,500          | 70,000          | 113,500         | 0                               | 0   | 46,421              | 0        | 67,079        | 0                    | 0       | 0      | 0                  | 0               | 113,500 |
| <u>WAS906735 DIST SEWER REHAB OPS YR2005</u> |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                    |                 |         |
| 0 10   | GROUP 1 SEWAGE PUMPING STATION UPGRADES            | CW   | S2    | 03   | 388   | 12     | 0      | 0      | 0      | 400             | 0               | 400             | 0                               | 0   | 32                  | 0        | 368           | 0                    | 0       | 0      | 0                  | 0               | 400     |
| Sub-total                                    |  |      |       |      | 388   | 12     | 0      | 0      | 0      | 400             | 0               | 400             | 0                               | 0   | 32                  | 0        | 368           | 0                    | 0       | 0      | 0                  | 0               | 400     |



**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

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

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

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

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

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



**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

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

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub-Project No.  | Project Name                                       | Ward | Stat. | Cat. | Current and Future Year Cash Flow Commitments |        |        |        |        |                 |                 |                 |                                 | Current and Future Year Cash Flow Commitments Financed By |                     |          |               |                      |         |        |                         |                 |  |
|--|--|------|-------|------|---|--------|--------|--------|--------|-----------------|-----------------|-----------------|---------------------------------|---|---------------------|----------|---------------|----------------------|---------|--------|-------------------------|-----------------|--|
|  |  |      |       |      | 2015  | 2016   | 2017   | 2018   | 2019   | Total 2015-2019 | Total 2020-2024 | Total 2015-2024 | Provincial Grants and Subsidies | Federal Subsidy   | Development Charges | Reserves | Reserve Funds | Capital from Current | Other 1 | Other2 | Debt - Recoverable Debt | Total Financing |  |
| <b>WAS906982 HUMBER WWTP UPGRADES</b>                      |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                         |                 |  |
| 0 68   | ADMIN BUILDING EXPANSION                           | CW   | S6    | 04   | 0   | 0      | 0      | 0      | 3,075  | 3,075           | 5,380           | 8,455           | 0                               | 0   | 0                   | 0        | 8,455         | 0                    | 0       | 0      | 0                       | 8,455           |  |
| 0 73   | ADMIN BUILDING EXPANSION - 2015 SC                 | CW   | S3    | 04   | -250  | -150   | 300    | 100    | 260    | 260             | 310             | 570             | 0                               | 0   | 0                   | 0        | 570           | 0                    | 0       | 0      | 0                       | 570             |  |
| 0 74   | HVAC UPGRADES - 2015 SC                            | CW   | S3    | 03   | -3,400  | 3,064  | 3,337  | 8      | 3      | 3,012           | 0               | 3,012           | 0                               | 0   | 0                   | 0        | 3,012         | 0                    | 0       | 0      | 0                       | 3,012           |  |
| 0 75   | HYDRAULIC ASSESSMENT                               | CW   | S4    | 03   | 50  | 200    | 0      | 0      | 0      | 250             | 0               | 250             | 0                               | 0   | 0                   | 0        | 250           | 0                    | 0       | 0      | 0                       | 250             |  |
| 0 76   | CHLORINE FACILITY UPGRADE-2015 SC                  | CW   | S3    | 01   | -19   | 914    | 9      | 0      | 0      | 904             | 0               | 904             | 0                               | 0   | 0                   | 0        | 904           | 0                    | 0       | 0      | 0                       | 904             |  |
| 0 77   | ELECTRICAL CONDITION ASSESSMENT -2015 SC           | CW   | S3    | 01   | -1,057  | -2,357 | 2,518  | 650    | -750   | -996            | -1,750          | -2,746          | 0                               | 0   | 0                   | 0        | -2,746        | 0                    | 0       | 0      | 0                       | -2,746          |  |
| 0 78   | NEW SUBSTATION-2015 SC                             | CW   | S3    | 03   | 668   | -2,536 | 3      | 0      | 0      | -1,865          | 0               | -1,865          | 0                               | 0   | 0                   | 0        | -1,865        | 0                    | 0       | 0      | 0                       | -1,865          |  |
| 0 79   | NEW GROUNDSKEEPING BUILDING-2015 SC                | CW   | S3    | 01   | 850   | 227    | 0      | 0      | 0      | 1,077           | 0               | 1,077           | 0                               | 0   | 0                   | 0        | 1,077         | 0                    | 0       | 0      | 0                       | 1,077           |  |
| 0 80   | FLOOD PROTECTION-2015 SC                           | CW   | S3    | 02   | -250  | 0      | 0      | 0      | 0      | -250            | 0               | -250            | 0                               | 0   | 0                   | 0        | -250          | 0                    | 0       | 0      | 0                       | -250            |  |
| 0 81   | BLOWER REPLACEMENT                                 | CW   | S6    | 03   | 0   | 100    | 200    | 750    | 4,700  | 5,750           | 12,700          | 18,450          | 0                               | 0   | 0                   | 0        | 18,450        | 0                    | 0       | 0      | 0                       | 18,450          |  |
| 0 82   | DIGESTERS CLEANING REHAB                           | CW   | S6    | 03   | 0   | 0      | 410    | 825    | 825    | 2,060           | 2,050           | 4,110           | 0                               | 0   | 0                   | 0        | 4,110         | 0                    | 0       | 0      | 0                       | 4,110           |  |
| 0 83   | ELECTRICAL UPGRADES - FUTURE                       | CW   | S6    | 01   | 0   | 550    | 900    | 500    | 400    | 2,350           | 500             | 2,850           | 0                               | 0   | 0                   | 0        | 2,850         | 0                    | 0       | 0      | 0                       | 2,850           |  |
| 0 84   | DIGESTER CLEANING & REHAB - FUTURE                 | CW   | S6    | 03   | 0   | 0      | 0      | 0      | 0      | 0               | 3,075           | 3,075           | 0                               | 0   | 0                   | 0        | 3,075         | 0                    | 0       | 0      | 0                       | 3,075           |  |
| 0 85   | BUILDING UPGRADES ENGINEERING-2015 SC              | CW   | S3    | 03   | 370   | 60     | 10     | 0      | 0      | 440             | 0               | 440             | 0                               | 0   | 0                   | 0        | 440           | 0                    | 0       | 0      | 0                       | 440             |  |
| Sub-total  |  |      |       |      | 9,137   | 8,657  | 10,157 | 5,093  | 10,263 | 43,307          | 24,015          | 67,322          | 0                               | 0   | 0                   | 0        | 67,322        | 0                    | 0       | 0      | 0                       | 67,322          |  |
| <b>WAS906994 HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HA</b> |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                         |                 |  |
| 0 1  | HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING        | CW   | S2    | 04   | 4,300   | 3,000  | 3,000  | 3,000  | 2,000  | 15,300          | 500             | 15,800          | 0                               | 0   | 1,270               | 0        | 14,530        | 0                    | 0       | 0      | 0                       | 15,800          |  |
| 0 3  | WAS THICKENING AND DEWATERING CONSTR               | CW   | S2    | 03   | 3,000   | 4,047  | 0      | 0      | 0      | 7,047           | 0               | 7,047           | 0                               | 0   | 568                 | 0        | 6,479         | 0                    | 0       | 0      | 0                       | 7,047           |  |
| 0 8  | HCTP -BIOSOLID IMPLEMENTATION - CONSTRUCTION       | CW   | S6    | 04   | 0   | 0      | 1,000  | 25,000 | 40,000 | 66,000          | 68,000          | 134,000         | 0                               | 0   | 5,392               | 0        | 128,608       | 0                    | 0       | 0      | 0                       | 134,000         |  |
| 0 13   | HIGHLAND CREEK WWTP - BMP IMPLEMENTATION - 2015 SC | CW   | S3    | 04   | -3,654  | 100    | 1,050  | -1,500 | 1,000  | -3,004          | 4,000           | 996             | 0                               | 0   | 81                  | 0        | 915           | 0                    | 0       | 0      | 0                       | 996             |  |
| 0 14   | WAS THICKENING - CONSTR-2015 SC                    | CW   | S3    | 03   | -2,900  | -47    | 0      | 0      | 0      | -2,947          | 0               | -2,947          | 0                               | 0   | -238                | 0        | -2,709        | 0                    | 0       | 0      | 0                       | -2,947          |  |
| Sub-total  |  |      |       |      | 746   | 7,100  | 5,050  | 26,500 | 43,000 | 82,396          | 72,500          | 154,896         | 0                               | 0   | 7,073               | 0        | 147,823       | 0                    | 0       | 0      | 0                       | 154,896         |  |
| <b>WAS907038 Land Acquisition for Source Water Protect</b> |  |      |       |      |   |        |        |        |        |                 |                 |                 |                                 |   |                     |          |               |                      |         |        |                         |                 |  |
| 0 9  | TRCA CRITICAL EROSION - FUTRE                      | CW   | S6    | 04   | 0   | 2,000  | 2,000  | 2,000  | 2,000  | 8,000           | 10,000          | 18,000          | 0                               | 0   | 1,449               | 0        | 16,551        | 0                    | 0       | 0      | 0                       | 18,000          |  |

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

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





**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |  |    |    |    | Current and Future Year Cash Flow Commitments |        |         |        |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
|---|----|--|----|----|----|---|--------|---------|--------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|
|   |    |  |    |    |    | 2015  | 2016   | 2017    | 2018   | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |
| <b>WAS907105 HUMBER WWTP - O&amp;M UPGRADES</b>                                       |    |  |    |    |    |   |        |         |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 1  | Digester 7 & 8 Upgrades & Cogen Upgrades       | CW | S2 | 03 | 12,217  | 3,804  | 0       | 0      | 0      | 16,021             | 0                  | 16,021  | 0                                     | 0                  | 0                      | 0        | 16,021           | 0                          | 0       | 0      | 0                             | 0                  | 16,021  |
| 0   | 2  | LIQUID STREAM UPGRADES                         | CW | S2 | 03 | 250   | 0      | 0       | 0      | 0      | 250                | 0                  | 250   | 0                                     | 0                  | 20                     | 0        | 230              | 0                          | 0       | 0      | 0                             | 0                  | 250     |
| 0   | 27 | GAS COMPRESSOR SYSTEM UPGRADES-2015 SC         | CW | S3 | 03 | -2,633  | 2,073  | 4,850   | 0      | 0      | 4,290              | 0                  | 4,290   | 0                                     | 0                  | 0                      | 0        | 4,290            | 0                          | 0       | 0      | 0                             | 0                  | 4,290   |
| 0   | 28 | LIQUID STREAM UPGRADES-2015 SC                 | CW | S3 | 03 | -250  | 0      | 0       | 0      | 0      | -250               | 0                  | -250  | 0                                     | 0                  | -20                    | 0        | -230             | 0                          | 0       | 0      | 0                             | 0                  | -250    |
| Sub-total   |    |  |    |    |    | 9,584   | 5,877  | 4,850   | 0      | 0      | 20,311             | 0                  | 20,311  | 0                                     | 0                  | 0                      | 0        | 20,311           | 0                          | 0       | 0      | 0                             | 0                  | 20,311  |
| <b>WAS907106 HUMBER WWTP - ODOUR CONTROL</b>  |    |  |    |    |    |   |        |         |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 1  | Odour Control Implementation Phase 1           | CW | S2 | 02 | 15,000  | 20,000 | 20,000  | 5,000  | 0      | 60,000             | 0                  | 60,000  | 0                                     | 0                  | 4,829                  | 0        | 55,171           | 0                          | 0       | 0      | 0                             | 0                  | 60,000  |
| 0   | 11 | ODOUR CONTROL IMPLEMENTATION - PHASE 1-2015 SC | CW | S3 | 02 | 17,730  | -8,250 | -16,615 | -5,000 | 0      | -12,135            | 0                  | -12,135   | 0                                     | 0                  | -977                   | 0        | -11,158          | 0                          | 0       | 0      | 0                             | 0                  | -12,135 |
| Sub-total   |    |  |    |    |    | 32,730  | 11,750 | 3,385   | 0      | 0      | 47,865             | 0                  | 47,865  | 0                                     | 0                  | 3,852                  | 0        | 44,013           | 0                          | 0       | 0      | 0                             | 0                  | 47,865  |
| <b>WAS907224 SEWAGE PUMPING STATION UPGRADES</b>                                      |    |  |    |    |    |   |        |         |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 1  | SPS UPGRADES                                   | CW | S2 | 02 | 7,302   | 2,050  | 400     | 0      | 0      | 9,752              | 0                  | 9,752   | 0                                     | 0                  | 785                    | 0        | 8,967            | 0                          | 0       | 0      | 0                             | 0                  | 9,752   |
| 0   | 2  | SCOTT STREET PS UPGRADES                       | CW | S2 | 05 | 20  | 0      | 0       | 0      | 0      | 20                 | 0                  | 20  | 0                                     | 0                  | 2                      | 0        | 18               | 0                          | 0       | 0      | 0                             | 0                  | 20      |
| 0   | 4  | SUNNYSIDE AND MARYPORT SPS UPGRADES            | CW | S2 | 03 | 1,137   | 2      | 0       | 0      | 0      | 1,139              | 0                  | 1,139   | 0                                     | 0                  | 91                     | 0        | 1,048            | 0                          | 0       | 0      | 0                             | 0                  | 1,139   |
| 0   | 18 | SPS UPGRADES -GROUP 6&7                        | CW | S6 | 02 | 0   | 190    | 640     | 3,700  | 9,550  | 14,080             | 31,650             | 45,730  | 0                                     | 0                  | 1,841                  | 0        | 43,889           | 0                          | 0       | 0      | 0                             | 0                  | 45,730  |
| 0   | 22 | SUNNYSIDE SPS REHAB - 2015 SC                  | CW | S3 | 03 | 443   | 1      | 3       | 0      | 0      | 447                | 0                  | 447   | 0                                     | 0                  | 36                     | 0        | 411              | 0                          | 0       | 0      | 0                             | 0                  | 447     |
| 0   | 23 | SCOTT ST PS -2015 SC                           | CW | S3 | 05 | -6  | 64     | 0       | 0      | 0      | 58                 | 0                  | 58  | 0                                     | 0                  | 4                      | 0        | 54               | 0                          | 0       | 0      | 0                             | 0                  | 58      |
| 0   | 24 | SPS UPGRADES-2015 SC                           | CW | S3 | 02 | -331  | 1,679  | -400    | 0      | 0      | 948                | 0                  | 948   | 0                                     | 0                  | 76                     | 0        | 872              | 0                          | 0       | 0      | 0                             | 0                  | 948     |
| Sub-total   |    |  |    |    |    | 8,565   | 3,986  | 643     | 3,700  | 9,550  | 26,444             | 31,650             | 58,094  | 0                                     | 0                  | 2,835                  | 0        | 55,259           | 0                          | 0       | 0      | 0                             | 0                  | 58,094  |
| <b>WAS907559 DON &amp; WATERFRONT TRUNK CSO</b>                                       |    |  |    |    |    |   |        |         |        |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 1  | DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN      | CW | S2 | 04 | 6,989   | 11,697 | 10,347  | 10,347 | 11,000 | 50,380             | 5,800              | 56,180  | 0                                     | 0                  | 4,521                  | 0        | 51,659           | 0                          | 0       | 0      | 0                             | 0                  | 56,180  |
| 0   | 3  | DON AND WATERFRONT TRUNK/CSO - PKG 1 - CONST   | CW | S6 | 04 | 0   | 0      | 0       | 23,000 | 46,000 | 69,000             | 138,000            | 207,000   | 0                                     | 0                  | 8,330                  | 0        | 198,670          | 0                          | 0       | 0      | 0                             | 0                  | 207,000 |
| 0   | 4  | DON & WATERFRONT CSO/TRUNK - PKG 2 - CONST     | CW | S6 | 04 | 0   | 0      | 0       | 0      | 1,000  | 1,000              | 158,500            | 159,500   | 0                                     | 0                  | 6,418                  | 0        | 153,082          | 0                          | 0       | 0      | 0                             | 0                  | 159,500 |
| 0   | 8  | Don & Waterfront Trunk/CSO CONS - BEYOND 2021  | CW | S6 | 04 | 0   | 0      | 0       | 0      | 0      | 0                  | 106,000            | 106,000   | 0                                     | 0                  | 4,266                  | 0        | 101,734          | 0                          | 0       | 0      | 0                             | 0                  | 106,000 |
| 0   | 10 | Don&Waterfront Trunk/CSO Design PH1-2015 SC    | CW | S3 | 04 | -839  | 904    | -6,347  | -4,801 | -5,820 | -16,903            | 16,047             | -856  | 0                                     | 0                  | -68                    | 0        | -788             | 0                          | 0       | 0      | 0                             | 0                  | -856    |
| Sub-total   |    |  |    |    |    | 6,150   | 12,601 | 4,000   | 28,546 | 52,180 | 103,477            | 424,347            | 527,824   | 0                                     | 0                  | 23,467                 | 0        | 504,357          | 0                          | 0       | 0      | 0                             | 0                  | 527,824 |

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |     |   |    |    |    | Current and Future Year Cash Flow Commitments |         |         |         |         |                    | Current and Future Year Cash Flow Commitments Financed By |                    |                                       |                    |                        |          |                  |                            |         |        |                               |                    |           |  |
|---|-----|---|----|----|----|---|---------|---------|---------|---------|--------------------|---|--------------------|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|-----------|--|
|   |     |   |    |    |    | 2015  | 2016    | 2017    | 2018    | 2019    | Total<br>2015-2019 | Total<br>2020-2024  | Total<br>2015-2024 | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |           |  |
| <b>WAS907700 NORTH TORONTO WTP UPGRADES</b>   |     |   |    |    |    |   |         |         |         |         |                    |   |                    |                                       |                    |                        |          |                  |                            |         |        |                               |                    |           |  |
| 0   | 2   | NTTP-ELECTRICAL UPGRADES                          | CW | S2 | 01 | 915   | 777     | 522     | 253     | 0       | 2,467              | 0   | 2,467              | 0                                     | 0                  | 0                      | 0        | 2,467            | 0                          | 0       | 0      | 0                             | 0                  | 2,467     |  |
| 0   | 8   | NTTP - ELECTRICAL UPGRADES - ECAR - 2015 SC       | CW | S3 | 01 | -913  | -25     | -22     | -3      | 0       | -963               | 0   | -963               | 0                                     | 0                  | 0                      | 0        | -963             | 0                          | 0       | 0      | 0                             | 0                  | -963      |  |
| Sub-total   |     |   |    |    |    | 2   | 752     | 500     | 250     | 0       | 1,504              | 0   | 1,504              | 0                                     | 0                  | 0                      | 0        | 1,504            | 0                          | 0       | 0      | 0                             | 0                  | 1,504     |  |
| <b>WAS908143 Georgetown South City Infrastructure Upgrades</b>                        |     |   |    |    |    |   |         |         |         |         |                    |   |                    |                                       |                    |                        |          |                  |                            |         |        |                               |                    |           |  |
| 0   | 1   | Georgetown South City Infrastructure Upgrades     | CW | S4 | 05 | 2,840   | 0       | 0       | 0       | 0       | 2,840              | 0   | 2,840              | 0                                     | 0                  | 0                      | 0        | 2,840            | 0                          | 0       | 0      | 0                             | 0                  | 2,840     |  |
| 0   | 2   | Georgetown South City Infrastructure Upgrades -FY | CW | S6 | 05 | 0   | 2,840   | 2,840   | 2,840   | 2,840   | 11,360             | 14,200  | 25,560             | 0                                     | 0                  | 0                      | 0        | 25,560           | 0                          | 0       | 0      | 0                             | 0                  | 25,560    |  |
| Sub-total   |     |   |    |    |    | 2,840   | 2,840   | 2,840   | 2,840   | 2,840   | 14,200             | 14,200  | 28,400             | 0                                     | 0                  | 0                      | 0        | 28,400           | 0                          | 0       | 0      | 0                             | 0                  | 28,400    |  |
| <b>WASWP003 EMERY CREEK POND</b>  |     |   |    |    |    |   |         |         |         |         |                    |   |                    |                                       |                    |                        |          |                  |                            |         |        |                               |                    |           |  |
| 0   | 1   | EMERY CREEK POND                                  | CW | S2 | 04 | 5,412   | 550     | 0       | 0       | 0       | 5,962              | 0   | 5,962              | 0                                     | 0                  | 478                    | 0        | 5,484            | 0                          | 0       | 0      | 0                             | 0                  | 5,962     |  |
| 0   | 13  | EMERY CREEK POND - 2015 SC                        | CW | S3 | 04 | -1,512  | 523     | 0       | 0       | 0       | -989               | 0   | -989               | 0                                     | 0                  | -78                    | 0        | -911             | 0                          | 0       | 0      | 0                             | 0                  | -989      |  |
| Sub-total   |     |   |    |    |    | 3,900   | 1,073   | 0       | 0       | 0       | 4,973              | 0   | 4,973              | 0                                     | 0                  | 400                    | 0        | 4,573            | 0                          | 0       | 0      | 0                             | 0                  | 4,973     |  |
| <b>WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</b>                            |     |   |    |    |    |   |         |         |         |         |                    |   |                    |                                       |                    |                        |          |                  |                            |         |        |                               |                    |           |  |
| 0   | 35  | MTI REAL TIME CONTROL                             | CW | S2 | 04 | 0   | 0       | 2,000   | 2,000   | 0       | 4,000              | 0   | 4,000              | 0                                     | 0                  | 0                      | 0        | 4,000            | 0                          | 0       | 0      | 0                             | 0                  | 4,000     |  |
| 1   | 78  | North Primaries Pumping Equipment                 | CW | S2 | 03 | 2,900   | 2,330   | 1,155   | 0       | 0       | 6,385              | 0   | 6,385              | 0                                     | 0                  | 0                      | 0        | 6,385            | 0                          | 0       | 0      | 0                             | 0                  | 6,385     |  |
| 0   | 127 | EQUIPMENT REPLACEMENT-2015 SC                     | CW | S3 | 03 | -2,520  | 2,340   | 2,065   | 1,890   | 20      | 3,795              | 30  | 3,825              | 0                                     | 0                  | 0                      | 0        | 3,825            | 0                          | 0       | 0      | 0                             | 0                  | 3,825     |  |
| 0   | 128 | REHAB OF SOUTH PRIMARY CLARIFIERS- 2015 SC        | CW | S3 | 03 | 6   | 188     | 0       | 0       | 0       | 194                | 0   | 194                | 0                                     | 0                  | 0                      | 0        | 194              | 0                          | 0       | 0      | 0                             | 0                  | 194       |  |
| Sub-total   |     |   |    |    |    | 386   | 4,858   | 5,220   | 3,890   | 20      | 14,374             | 30  | 14,404             | 0                                     | 0                  | 0                      | 0        | 14,404           | 0                          | 0       | 0      | 0                             | 0                  | 14,404    |  |
| <b>Total Program Expenditure</b>  |     |   |    |    |    | 463,845                                       | 565,130 | 645,169 | 779,787 | 873,344 | 3,327,275          | 3,968,172   | 7,295,447          | 0                                     | 0                  | 287,916                | 0        | 06,964,198       | 0                          | 0       | 43,333 | 0                             | 0                  | 7,295,447 |  |

**CITY OF TORONTO**

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

**Appendix 3 - 2015 Recommended Capital Budget;2016 to 2024 Recommended Capital Plan**

**Wastewater Program**

| Sub- Project No. Project Name<br>Priority SubProj No. Sub-project Name Ward Stat. Cat. |  |  |  |  |  | Current and Future Year Cash Flow Commitments and Estimates |                |                |                |                |                    | Current and Future Year Cash Flow Commitments and Estimates Financed By |                    |                                       |                    |                        |                     |                  |                            |          |           |                               |
|--|--|--|--|--|--|---|----------------|----------------|----------------|----------------|--------------------|---|--------------------|---------------------------------------|--------------------|------------------------|---------------------|------------------|----------------------------|----------|-----------|-------------------------------|
|  |  |  |  |  |  | 2015  | 2016           | 2017           | 2018           | 2019           | Total<br>2015-2019 | Total<br>2020-2024  | Total<br>2015-2024 | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserve<br>Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1  | Other2    | Debt -<br>Recoverable<br>Debt |
| Financed By:   |  |  |  |  |  |   |                |                |                |                |                    |   |                    |                                       |                    |                        |                     |                  |                            |          |           |                               |
| Development Charges  |  |  |  |  |  | 31,598  | 29,887         | 25,144         | 25,808         | 29,725         | 142,162            | 145,754   | 287,916            | 0                                     | 0                  | 287,916                | 0                   | 0                | 0                          | 0        | 0         | 287,916                       |
| Reserve Funds (Ind."XR" Ref.)  |  |  |  |  |  | 432,247   | 531,910        | 616,025        | 749,979        | 838,619        | 3,168,780          | 3,795,418   | 6,964,198          | 0                                     | 0                  | 0                      | 0                   | 0                | 0                          | 0        | 6,964,198 |                               |
| Other2 (External)  |  |  |  |  |  | 0   | 3,333          | 4,000          | 4,000          | 5,000          | 16,333             | 27,000  | 43,333             | 0                                     | 0                  | 0                      | 0                   | 43,333           | 0                          | 0        | 43,333    |                               |
| <b>Total Program Financing</b>   |  |  |  |  |  | <b>463,845</b>  | <b>565,130</b> | <b>645,169</b> | <b>779,787</b> | <b>873,344</b> | <b>3,327,275</b>   | <b>3,968,172</b>  | <b>7,295,447</b>   | <b>0</b>                              | <b>0</b>           | <b>287,916</b>         | <b>0</b>            | <b>0</b>         | <b>43,333</b>              | <b>0</b> | <b>0</b>  | <b>7,295,447</b>              |

|                    |  |
|--------------------|--|
| <b>Status Code</b> | <b>Description</b>   |
| S2                 | S2 Prior Year (With 2015 and/or Future Year Cashflow)                  |
| S3                 | S3 Prior Year - Change of Scope 2015 and/or Future Year Cost(Cashflow) |
| S4                 | S4 New - Stand-Alone Project (Current Year Only)                       |
| S5                 | S5 New (On-going or Phased Projects)                                   |
| S6                 | S6 New - Future Year (Commencing in 2016 & Beyond)                     |

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

## Appendix 4

### 2015 Recommended Cash Flow and Future Year Commitments

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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



**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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



**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |   |    |    |    | Current and Future Year Cash Flow Commitments |        |        |        |       |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
|---|----|---|----|----|----|---|--------|--------|--------|-------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|
|   |    |   |    |    |    | 2015  | 2016   | 2017   | 2018   | 2019  | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |
| <u>WAT906930 DIST W/M REPLACEMENT</u>   |    |   |    |    |    |   |        |        |        |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 64 | WATERMAIN UPGRADES - 2015                   | CW | S4 | 04 | 6,609   | 3,292  | 1,204  | 0      | 0     | 11,105             | 0                  | 11,105  | 0                                     | 0                  | 3,455                  | 0        | 7,650            | 0                          | 0       | 0      | 0                             | 0                  | 11,105  |
| 0   | 65 | DIST W/M REPLC - 2012-2015 SC               | CW | S3 | 03 | -1,575  | 0      | 0      | 0      | 0     | -1,575             | 0                  | -1,575  | 0                                     | 0                  | 0                      | 0        | -1,575           | 0                          | 0       | 0      | 0                             | 0                  | -1,575  |
| 0   | 66 | 2013 WM REPLC - SOGR-2015 SC                | CW | S3 | 03 | -4,423  | 500    | 0      | 0      | 0     | -3,923             | 0                  | -3,923  | 0                                     | 0                  | 0                      | 0        | -3,923           | 0                          | 0       | 0      | 0                             | 0                  | -3,923  |
| Sub-total   |    |   |    |    |    | 62,323  | 34,711 | 13,628 | 1,000  | 1,000 | 112,662            | 0                  | 112,662   | 0                                     | 0                  | 13,762                 | 0        | 98,900           | 0                          | 0       | 0      | 0                             | 0                  | 112,662 |
| <u>WAT906932 DIST W/M REHABILITATION</u>  |    |   |    |    |    |   |        |        |        |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 4  | Hydrant & Valve Repair                      | CW | S2 | 03 | 1,197   | 1,000  | 1,000  | 0      | 0     | 3,197              | 0                  | 3,197   | 0                                     | 0                  | 0                      | 0        | 3,197            | 0                          | 0       | 0      | 0                             | 0                  | 3,197   |
| 0   | 6  | WATERMAIN STRUCTURAL LINING                 | CW | S2 | 03 | 24,173  | 35,000 | 30,500 | 0      | 0     | 89,673             | 0                  | 89,673  | 0                                     | 0                  | 0                      | 0        | 89,673           | 0                          | 0       | 0      | 0                             | 0                  | 89,673  |
| 0   | 7  | CATHODIC PROTECTION                         | CW | S2 | 03 | 4,200   | 3,500  | 3,500  | 0      | 0     | 11,200             | 0                  | 11,200  | 0                                     | 0                  | 0                      | 0        | 11,200           | 0                          | 0       | 0      | 0                             | 0                  | 11,200  |
| 0   | 30 | CUT REPAIRS                                 | CW | S2 | 03 | 4,371   | 0      | 0      | 0      | 0     | 4,371              | 0                  | 4,371   | 0                                     | 0                  | 0                      | 0        | 4,371            | 0                          | 0       | 0      | 0                             | 0                  | 4,371   |
| 0   | 42 | CUT-REPAIR - 2015 SC                        | CW | S3 | 03 | -1,606  | 2,765  | 0      | 0      | 0     | 1,159              | 0                  | 1,159   | 0                                     | 0                  | 0                      | 0        | 1,159            | 0                          | 0       | 0      | 0                             | 0                  | 1,159   |
| 0   | 43 | CATHODIC PROTECTION - 2015 SC               | CW | S3 | 03 | -103  | 892    | 950    | 450    | 0     | 2,189              | 0                  | 2,189   | 0                                     | 0                  | 0                      | 0        | 2,189            | 0                          | 0       | 0      | 0                             | 0                  | 2,189   |
| 0   | 44 | HYDRANT & VALVE REPAIR-2015 SC              | CW | S3 | 03 | 553   | 0      | 0      | 0      | 0     | 553                | 0                  | 553   | 0                                     | 0                  | 0                      | 0        | 553              | 0                          | 0       | 0      | 0                             | 0                  | 553     |
| 0   | 45 | WATERMAIN STRUCTURAL LINING-2015 SC         | CW | S3 | 03 | 18,003  | 19,415 | 31,158 | 20,717 | 5,400 | 94,693             | 0                  | 94,693  | 0                                     | 0                  | 0                      | 0        | 94,693           | 0                          | 0       | 0      | 0                             | 0                  | 94,693  |
| Sub-total   |    |   |    |    |    | 50,788  | 62,572 | 67,108 | 21,167 | 5,400 | 207,035            | 0                  | 207,035   | 0                                     | 0                  | 0                      | 0        | 207,035          | 0                          | 0       | 0      | 0                             | 0                  | 207,035 |
| <u>WAT906934 DIST WATER SERVICE REPAIR</u>  |    |   |    |    |    |   |        |        |        |       |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 12 | ALL DISTRICT WSR - LEAD REPLACEMENT         | CW | S2 | 02 | 7,174   | 9,250  | 9,250  | 0      | 0     | 25,674             | 0                  | 25,674  | 0                                     | 0                  | 0                      | 0        | 25,674           | 0                          | 0       | 0      | 0                             | 0                  | 25,674  |
| 0   | 19 | 2010 WSR                                    | CW | S4 | 02 | 219   | 0      | 0      | 0      | 0     | 219                | 0                  | 219   | 0                                     | 0                  | 0                      | 0        | 219              | 0                          | 0       | 0      | 0                             | 0                  | 219     |
| 0   | 32 | WSR CUT REPAIRS                             | CW | S2 | 03 | 2,186   | 0      | 0      | 0      | 0     | 2,186              | 0                  | 2,186   | 0                                     | 0                  | 0                      | 0        | 2,186            | 0                          | 0       | 0      | 0                             | 0                  | 2,186   |
| 0   | 39 | 2012 WATER SERVICE REPLACEMENT              | CW | S2 | 02 | 50  | 0      | 0      | 0      | 0     | 50                 | 0                  | 50  | 0                                     | 0                  | 0                      | 0        | 50               | 0                          | 0       | 0      | 0                             | 0                  | 50      |
| 0   | 41 | 2013 WATER SERVICE REPLACEMENT -SOGR        | CW | S2 | 02 | 2,631   | 0      | 0      | 0      | 0     | 2,631              | 0                  | 2,631   | 0                                     | 0                  | 0                      | 0        | 2,631            | 0                          | 0       | 0      | 0                             | 0                  | 2,631   |
| 0   | 52 | 2014 WATER SERVICE REPLACEMENT -SOGR        | CW | S2 | 02 | 4,711   | 0      | 0      | 0      | 0     | 4,711              | 0                  | 4,711   | 0                                     | 0                  | 0                      | 0        | 4,711            | 0                          | 0       | 0      | 0                             | 0                  | 4,711   |
| 0   | 58 | WSR CUT REPAIR - 2015 SC                    | CW | S3 | 03 | -86   | 2,100  | 0      | 0      | 0     | 2,014              | 0                  | 2,014   | 0                                     | 0                  | 0                      | 0        | 2,014            | 0                          | 0       | 0      | 0                             | 0                  | 2,014   |
| 0   | 59 | 2015 WATER SERVICE REPLACEMENT -SOGR        | CW | S4 | 03 | 4,500   | 9,000  | 4,500  | 0      | 0     | 18,000             | 0                  | 18,000  | 0                                     | 0                  | 0                      | 0        | 18,000           | 0                          | 0       | 0      | 0                             | 0                  | 18,000  |
| 0   | 60 | WATER SERVICE REPAIR - LEAD PROGRAM-2015 SC | CW | S3 | 02 | 5,004   | 0      | 0      | 0      | 0     | 5,004              | 0                  | 5,004   | 0                                     | 0                  | 0                      | 0        | 5,004            | 0                          | 0       | 0      | 0                             | 0                  | 5,004   |

**CITY OF TORONTO**

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**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

**CITY OF TORONTO**

Gross Expenditures (\$000's)

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Water Program**

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

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

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





**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |   |    |    |    | Current and Future Year Cash Flow Commitments |         |         |         |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
|---|----|---|----|----|----|---|---------|---------|---------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|
|   |    |   |    |    |    | 2015  | 2016    | 2017    | 2018    | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |
| <b>WAS000442 BASEMENT FLOODING RELIEF</b>   |    |   |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 18 | BASEMENT FLOODING DESIGN - GROUP 2                | CW | S2 | 04 | 5,900   | 5,500   | 5,500   | 25      | 0      | 16,925             | 0                  | 16,925  | 0                                     | 0                  | 0                      | 0        | 16,925           | 0                          | 0       | 0      | 0                             | 0                  | 16,925  |
| 0   | 19 | BASEMENT FLOODING RELIEF - GROUP 2                | CW | S2 | 04 | 41,222  | 39,832  | 49,299  | 1,500   | 0      | 131,853            | 0                  | 131,853   | 0                                     | 0                  | 0                      | 0        | 131,853          | 0                          | 0       | 0      | 0                             | 0                  | 131,853 |
| 0   | 20 | BASEMENT FLOODING DESIGN - GROUP 3                | CW | S2 | 04 | 3,000   | 4,000   | 5,000   | 5,000   | 4,000  | 21,000             | 4,000              | 25,000  | 0                                     | 0                  | 0                      | 0        | 25,000           | 0                          | 0       | 0      | 0                             | 0                  | 25,000  |
| 0   | 29 | BASEMENT FLOODING RELIEF - GROUP 1                | CW | S2 | 04 | 9,710   | 11,675  | 75      | 0       | 0      | 21,460             | 0                  | 21,460  | 0                                     | 0                  | 0                      | 0        | 21,460           | 0                          | 0       | 0      | 0                             | 0                  | 21,460  |
| 0   | 68 | BSMT FLOODING PROTECTION SUBSIDY PROG - 2015 SC   | CW | S3 | 04 | 5,500   | 0       | 0       | -5,500  | -5,500 | -5,500             | -22,000            | -27,500   | 0                                     | 0                  | 0                      | 0        | -27,500          | 0                          | 0       | 0      | 0                             | 0                  | -27,500 |
| 0   | 69 | BASEMENT FLOODING STUDIES & EAS - 2015 SC         | CW | S3 | 04 | -2,757  | 538     | 280     | 100     | 100    | -1,739             | 0                  | -1,739  | 0                                     | 0                  | 0                      | 0        | -1,739           | 0                          | 0       | 0      | 0                             | 0                  | -1,739  |
| 0   | 70 | BASEMENT FLOODING RELIEF - GROUP 1 - 2015 SC      | CW | S3 | 04 | 2,881   | -1,408  | 0       | 0       | 0      | 1,473              | 0                  | 1,473   | 0                                     | 0                  | 0                      | 0        | 1,473            | 0                          | 0       | 0      | 0                             | 0                  | 1,473   |
| 0   | 71 | ROAD RESTORATION FOR BSMT FLDG PRJS - 2015 SC     | CW | S3 | 04 | 408   | 800     | 0       | 0       | 0      | 1,208              | 0                  | 1,208   | 0                                     | 0                  | 0                      | 0        | 1,208            | 0                          | 0       | 0      | 0                             | 0                  | 1,208   |
| 0   | 72 | BASEMENT FLOODING RELIEF-TUNNEL PROJ - 2015 SC    | CW | S3 | 04 | -9,485  | -17,000 | -7,000  | -10,500 | 5,000  | -38,985            | 40,000             | 1,015   | 0                                     | 0                  | 0                      | 0        | 1,015            | 0                          | 0       | 0      | 0                             | 0                  | 1,015   |
| 0   | 73 | BASEMENT FLOODING RELIEF - GROUP 2 - 2015 SC      | CW | S3 | 04 | -11,832                                       | -10,330 | 17,099  | 43,569  | 2,000  | 40,506             | 0                  | 40,506  | 0                                     | 0                  | 0                      | 0        | 40,506           | 0                          | 0       | 0      | 0                             | 0                  | 40,506  |
| 0   | 77 | BASEMENT FLOODING DESIGN - GROUP 4                | CW | S4 | 04 | 1,170   | 4,030   | 6,030   | 10,000  | 13,270 | 34,500             | 75,860             | 110,360   | 0                                     | 0                  | 0                      | 0        | 110,360          | 0                          | 0       | 0      | 0                             | 0                  | 110,360 |
| 0   | 78 | BASEMENT FLOODING DESIGN - GROUP 1-2015 SC        | CW | S3 | 04 | -363  | -1,375  | 1,397   | 129     | 0      | -212               | 0                  | -212  | 0                                     | 0                  | 0                      | 0        | -212             | 0                          | 0       | 0      | 0                             | 0                  | -212    |
| 0   | 79 | BASEMENT FLOODING DESIGN - GROUP 2-2015 SC        | CW | S3 | 04 | -1,350  | -1,575  | 799     | 975     | 334    | -817               | 21                 | -796  | 0                                     | 0                  | 0                      | 0        | -796             | 0                          | 0       | 0      | 0                             | 0                  | -796    |
| 0   | 80 | BASEMENT FLOODING DESIGN - GROUP 3-2015 SC        | CW | S3 | 04 | -752  | -1,239  | -2,885  | -4,322  | -721   | -9,919             | -4,000             | -13,919   | 0                                     | 0                  | 0                      | 0        | -13,919          | 0                          | 0       | 0      | 0                             | 0                  | -13,919 |
| 0   | 81 | BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION | CW | S2 | 04 | 3,500   | 3,500   | 4,950   | 0       | 0      | 11,950             | 0                  | 11,950  | 0                                     | 0                  | 0                      | 0        | 11,950           | 0                          | 0       | 0      | 0                             | 0                  | 11,950  |
| 0   | 82 | BASEMENT FLOODING STUDIES & EAS-CW IMP-2015 SC    | CW | S3 | 04 | -950  | 3,500   | 4,550   | 5,000   | 0      | 12,100             | 0                  | 12,100  | 0                                     | 0                  | 0                      | 0        | 12,100           | 0                          | 0       | 0      | 0                             | 0                  | 12,100  |
| 1   | 1  | BASEMENT FLOODING RELIEF - BACKFLOW GRANTS        | CW | S2 | 04 | 0   | 5,500   | 5,500   | 5,500   | 5,500  | 22,000             | 22,000             | 44,000  | 0                                     | 0                  | 0                      | 0        | 44,000           | 0                          | 0       | 0      | 0                             | 0                  | 44,000  |
| Sub-total   |    |   |    |    |    | 62,965  | 81,333  | 127,594 | 91,976  | 53,983 | 417,851            | 115,881            | 533,732   | 0                                     | 0                  | 0                      | 0        | 533,732          | 0                          | 0       | 0      | 0                             | 0                  | 533,732 |
| <b>WAS000521 HIGHLAND CREEK WWTP - BUILDING SERV &amp;</b>                            |    |   |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 3  | HCTP BLDG REHAB & IMPROVEMENTS                    | CW | S2 | 03 | 4,262   | 4,000   | 3,000   | 0       | 0      | 11,262             | 0                  | 11,262  | 0                                     | 0                  | 0                      | 0        | 11,262           | 0                          | 0       | 0      | 0                             | 0                  | 11,262  |
| 0   | 7  | HCTP Bldg Rehab and Impro - 2015 SC               | CW | S3 | 03 | -3,262  | -500    | 1,000   | 4,000   | 2,800  | 4,038              | 0                  | 4,038   | 0                                     | 0                  | 0                      | 0        | 4,038            | 0                          | 0       | 0      | 0                             | 0                  | 4,038   |
| Sub-total   |    |   |    |    |    | 1,000   | 3,500   | 4,000   | 4,000   | 2,800  | 15,300             | 0                  | 15,300  | 0                                     | 0                  | 0                      | 0        | 15,300           | 0                          | 0       | 0      | 0                             | 0                  | 15,300  |
| <b>WAS906322 W&amp;WW LABORATORIES</b>  |    |   |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |
| 0   | 9  | LAB EQUIPMENT                                     | CW | S2 | 03 | 186   | 0       | 0       | 0       | 0      | 186                | 0                  | 186   | 0                                     | 0                  | 0                      | 0        | 186              | 0                          | 0       | 0      | 0                             | 0                  | 186     |

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

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

**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

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













**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

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



**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

| Sub- Project No. Project Name<br>PrioritySubProj No. Sub-project Name Ward Stat. Cat. |    |  |    |    |    | Current and Future Year Cash Flow Commitments |         |         |         |        |                    |                    | Current and Future Year Cash Flow Commitments Financed By |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
|---|----|--|----|----|----|---|---------|---------|---------|--------|--------------------|--------------------|---|---------------------------------------|--------------------|------------------------|----------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|---------|--|
|   |    |  |    |    |    | 2015  | 2016    | 2017    | 2018    | 2019   | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024  | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy | Development<br>Charges | Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |         |  |
| <u>WAS907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT</u>                               |    |  |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 0   | 60 | M & T PUMPING STATION CRITICAL REPAIRS - 2015 SC   | CW | S3 | 03 | -1,050  | 3,000   | 0       | 0       | 0      | 1,950              | 0                  | 1,950   | 0                                     | 0                  | 0                      | 0        | 1,950            | 0                          | 0       | 0      | 0                             | 0                  | 1,950   |  |
| 0   | 61 | FINE BUBBLE AERATION - TANK #2-2015 SC             | CW | S3 | 03 | -2,700  | -7,630  | 0       | 0       | 0      | -10,330            | 0                  | -10,330   | 0                                     | 0                  | -832                   | 0        | -9,498           | 0                          | 0       | 0      | 0                             | 0                  | -10,330 |  |
| 0   | 62 | P BLDG HEADWORKS UPGRADE-2015 SC                   | CW | S3 | 03 | 555   | 5,500   | -8,500  | -12,869 | 0      | -15,314            | 0                  | -15,314   | 0                                     | 0                  | -1,218                 | 0        | -14,096          | 0                          | 0       | 0      | 0                             | 0                  | -15,314 |  |
| 0   | 63 | INTEGRATED PUMPING STATION (IPS) - CONS-2015 SC    | CW | S3 | 03 | 0   | -9,000  | -10,000 | 0       | 0      | -19,000            | 19,000             | 0   | 0                                     | 0                  | 0                      | 0        | 0                | 0                          | 0       | 0      | 0                             | 0                  | 0       |  |
| Sub-total   |    |  |    |    |    | 42,582  | 47,287  | 55,050  | 66,131  | 51,000 | 262,050            | 229,000            | 491,050   | 0                                     | 0                  | 8,977                  | 0        | 482,073          | 0                          | 0       | 0      | 0                             | 0                  | 491,050 |  |
| <u>WAS907100 ASHBRIDGES BAY WWTP - SOLIDS &amp; GAS HA</u>                            |    |  |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 0   | 3  | WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING       | CW | S2 | 03 | 2,680   | 5,000   | 2,500   | 2,000   | 2,000  | 14,180             | 2,100              | 16,280  | 0                                     | 0                  | 1,310                  | 0        | 14,970           | 0                          | 0       | 0      | 0                             | 0                  | 16,280  |  |
| 0   | 4  | DIGESTERS 9-12 REFURBISHMENT                       | CW | S2 | 03 | 800   | 11,000  | 11,010  | 8,310   | 40     | 31,160             | 30                 | 31,190  | 0                                     | 0                  | 2,509                  | 0        | 28,681           | 0                          | 0       | 0      | 0                             | 0                  | 31,190  |  |
| 0   | 8  | BIOSOLIDS PELLETIZER RETROFIT                      | CW | S2 | 03 | 400   | 0       | 0       | 0       | 0      | 400                | 0                  | 400   | 0                                     | 0                  | 0                      | 0        | 400              | 0                          | 0       | 0      | 0                             | 0                  | 400     |  |
| 0   | 25 | PELLETIZER TRUCK LOADING FACILITY UPGRADES         | CW | S2 | 03 | 1,450   | 0       | 0       | 0       | 0      | 1,450              | 0                  | 1,450   | 0                                     | 0                  | 0                      | 0        | 1,450            | 0                          | 0       | 0      | 0                             | 0                  | 1,450   |  |
| 0   | 31 | WASTE ACTIVATED SLUDGE UPGRADE - ENG - 2015 SC     | CW | S3 | 03 | -1,180  | -3,000  | 2,096   | 0       | 0      | -2,084             | 2,000              | -84   | 0                                     | 0                  | -6                     | 0        | -78              | 0                          | 0       | 0      | 0                             | 0                  | -84     |  |
| 0   | 33 | DIGESTERS 9-12 REFURBISH-2015 SC                   | CW | S3 | 03 | -200  | -10,400 | 940     | 2,390   | 4,670  | -2,600             | 5,730              | 3,130   | 0                                     | 0                  | 252                    | 0        | 2,878            | 0                          | 0       | 0      | 0                             | 0                  | 3,130   |  |
| 0   | 34 | PELLETIZER TRUCK LOADING FACILITY UPGRADES-2015 SC | CW | S3 | 03 | -950  | 725     | 500     | 500     | 0      | 775                | 0                  | 775   | 0                                     | 0                  | 0                      | 0        | 775              | 0                          | 0       | 0      | 0                             | 0                  | 775     |  |
| 0   | 35 | BIOSOLIDS PELLETIZER RETROFIT- 2015 SC             | CW | S3 | 03 | 0   | 400     | 0       | 0       | 0      | 400                | 0                  | 400   | 0                                     | 0                  | 0                      | 0        | 400              | 0                          | 0       | 0      | 0                             | 0                  | 400     |  |
| Sub-total   |    |  |    |    |    | 3,000   | 3,725   | 17,046  | 13,200  | 6,710  | 43,681             | 9,860              | 53,541  | 0                                     | 0                  | 4,065                  | 0        | 49,476           | 0                          | 0       | 0      | 0                             | 0                  | 53,541  |  |
| <u>WAS907101 ASHBRIDGES BAY WWTP - O&amp;M UPGRADES</u>                               |    |  |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 0   | 5  | PROCESS & EQUIP UPGRADES                           | CW | S2 | 03 | 69  | 0       | 0       | 0       | 0      | 69                 | 0                  | 69  | 0                                     | 0                  | 0                      | 0        | 69               | 0                          | 0       | 0      | 0                             | 0                  | 69      |  |
| 0   | 6  | MESI UPGRADES                                      | CW | S2 | 03 | 3,490   | 0       | 0       | 0       | 0      | 3,490              | 0                  | 3,490   | 0                                     | 0                  | 0                      | 0        | 3,490            | 0                          | 0       | 0      | 0                             | 0                  | 3,490   |  |
| 0   | 7  | MISC MECH REHAB                                    | CW | S2 | 03 | 5,600   | 6,000   | 0       | 0       | 0      | 11,600             | 0                  | 11,600  | 0                                     | 0                  | 0                      | 0        | 11,600           | 0                          | 0       | 0      | 0                             | 0                  | 11,600  |  |
| 0   | 22 | MISC MECH REHAB - 2015 SC                          | CW | S3 | 03 | -3,499  | 500     | 3,000   | 0       | 0      | 1                  | 0                  | 1   | 0                                     | 0                  | 0                      | 0        | 1                | 0                          | 0       | 0      | 0                             | 0                  | 1       |  |
| 0   | 23 | BOILER #4 DESIGN - 2015 SC                         | CW | S3 | 03 | 0   | 57      | 0       | 0       | 0      | 57                 | 0                  | 57  | 0                                     | 0                  | 0                      | 0        | 57               | 0                          | 0       | 0      | 0                             | 0                  | 57      |  |
| 0   | 24 | MESI UPGRADES - 2015 SC                            | CW | S3 | 03 | -390  | 3,100   | 2,500   | 0       | 0      | 5,210              | 0                  | 5,210   | 0                                     | 0                  | 0                      | 0        | 5,210            | 0                          | 0       | 0      | 0                             | 0                  | 5,210   |  |
| Sub-total   |    |  |    |    |    | 5,270   | 9,657   | 5,500   | 0       | 0      | 20,427             | 0                  | 20,427  | 0                                     | 0                  | 0                      | 0        | 20,427           | 0                          | 0       | 0      | 0                             | 0                  | 20,427  |  |
| <u>WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL</u>                                  |    |  |    |    |    |   |         |         |         |        |                    |                    |   |                                       |                    |                        |          |                  |                            |         |        |                               |                    |         |  |
| 0   | 6  | BIOFILTERS UPGRADE                                 | CW | S2 | 03 | 7,054   | 8,742   | 6,122   | 0       | 0      | 21,918             | 0                  | 21,918  | 0                                     | 0                  | 1,764                  | 0        | 20,154           | 0                          | 0       | 0      | 0                             | 0                  | 21,918  |  |





**CITY OF TORONTO**

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

**Appendix 4 - 2015 Recommended Cash Flow and Future Year Commitments**

**Wastewater Program**

|                  |                            | Current and Future Year Cash Flow Commitments and Estimates |      |       |      |         |                    |                    |                    |                                       | Current and Future Year Cash Flow Commitments and Estimates Financed By |                        |                     |                  |                            |         |        |                               |                    |
|------------------|----------------------------|---|------|-------|------|---------|--------------------|--------------------|--------------------|---------------------------------------|---|------------------------|---------------------|------------------|----------------------------|---------|--------|-------------------------------|--------------------|
|                  |                            | 2015  | 2016 | 2017  | 2018 | 2019    | Total<br>2015-2019 | Total<br>2020-2024 | Total<br>2015-2024 | Provincial<br>Grants and<br>Subsidies | Federal<br>Subsidy  | Development<br>Charges | Reserve<br>Reserves | Reserve<br>Funds | Capital<br>from<br>Current | Other 1 | Other2 | Debt -<br>Recoverable<br>Debt | Total<br>Financing |
| Sub-<br>Priority | Project No.<br>SubProj No. | Project Name<br>Sub-project Name                            | Ward | Stat. | Cat. |         |                    |                    |                    |                                       |   |                        |                     |                  |                            |         |        |                               |                    |
| Financed By:     |                            |   |      |       |      |         |                    |                    |                    |                                       |   |                        |                     |                  |                            |         |        |                               |                    |
|                  |                            | Development Charges   |      |       |      | 31,598  | 27,997             | 19,445             | 13,273             | 10,293                                | 102,606   | 27,516                 | 130,122             | 0                | 0                          | 0       | 0      | 0                             | 130,122            |
|                  |                            | Reserve Funds (Ind."XR" Ref.)                               |      |       |      | 432,247 | 482,177            | 467,834            | 354,454            | 251,253                               | 1,987,965   | 572,048                | 2,560,013           | 0                | 0                          | 0       | 0      | 0                             | 2,560,013          |
|                  |                            | <b>Total Program Financing</b>                              |      |       |      | 463,845 | 510,174            | 487,279            | 367,727            | 261,546                               | 2,090,571   | 599,564                | 2,690,135           | 0                | 0                          | 130,122 | 0      | 0                             | 2,690,135          |

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

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

## **Appendix 5**

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**  
**Water Program**  
**Sub-Project Summary**

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



CITY OF TORONTO

Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Water Program  
Sub-Project Summary**

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

Water Program  
Sub-Project Summary

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

(Phase 2) 10-Water Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



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

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

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

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

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail  
Wastewater Program  
Sub-Project Summary**

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



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

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



(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

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



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

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



(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

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

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

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

(Phase 2) 11-Wastewater Program Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5



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

| Project/Financing |                         |   |            | 2015            | Financing |                             |                 |                   |          |               |                      |         |         |      |                    |
|-------------------|-------------------------|---|------------|-----------------|-----------|-----------------------------|-----------------|-------------------|----------|---------------|----------------------|---------|---------|------|--------------------|
| Priority          | Project                 | Project Name  | Start Date | Completion Date | Cash Flow | Provincial Grants Subsidies | Federal Subsidy | Developmt Charges | Reserves | Reserve Funds | Capital From Current | Other 1 | Other 2 | Debt | Debt - Recoverable |
| <b>0</b>          | <b><u>WAS906982</u></b> | <b><u>HUMBER WWTP UPGRADES</u></b>                                  |            |                 |           |                             |                 |                   |          |               |                      |         |         |      |                    |
| 0                 | 75                      | HYDRAULIC ASSESSMENT  | 01/01/2015 | 12/31/2024      | 50        | 0                           | 0               | 0                 | 0        | 50            | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 76                      | CHLORINE FACILITY UPGRADE-2015 SC                                   | 01/01/2015 | 12/31/2024      | -19       | 0                           | 0               | 0                 | 0        | -19           | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 77                      | ELECTRICAL CONDITION ASSESSMENT -2015 SC                            | 01/01/2015 | 12/31/2024      | -1,057    | 0                           | 0               | 0                 | 0        | -1,057        | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 78                      | NEW SUBSTATION-2015 SC  | 01/01/2015 | 12/31/2024      | 668       | 0                           | 0               | 0                 | 0        | 668           | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 79                      | NEW GROUNDSKEEPING BUILDING-2015 SC                                 | 01/01/2015 | 12/31/2024      | 850       | 0                           | 0               | 0                 | 0        | 850           | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 80                      | FLOOD PROTECTION-2015 SC  | 01/01/2015 | 12/31/2024      | -250      | 0                           | 0               | 0                 | 0        | -250          | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 85                      | BUILDING UPGRADES ENGINEERING- 2015 SC                              | 01/01/2015 | 12/31/2024      | 370       | 0                           | 0               | 0                 | 0        | 370           | 0                    | 0       | 0       | 0    | 0                  |
|                   |                         | <b>Project Sub-total:</b>   |            |                 | 9,137     | 0                           | 0               | 0                 | 0        | 9,137         | 0                    | 0       | 0       | 0    | 0                  |
| <b>0</b>          | <b><u>WAS906994</u></b> | <b><u>HIGHLAND CREEK WWTP - SOLIDS &amp; GAS HANDLING</u></b>       |            |                 |           |                             |                 |                   |          |               |                      |         |         |      |                    |
| 0                 | 1                       | HCTP BIOSOLIDS IMPLEMENTATION - ENGINEERING                         | 01/01/2012 | 12/31/2021      | 4,300     | 0                           | 0               | 346               | 0        | 3,954         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 3                       | WAS THICKENING AND DEWATERING CONSTR                                | 01/01/2010 | 12/31/2016      | 3,000     | 0                           | 0               | 242               | 0        | 2,758         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 13                      | HIGHLAND CREEK WWTP - BMP IMPLEMENTATION - 2015                     | 01/01/2015 | 12/31/2024      | -3,654    | 0                           | 0               | -294              | 0        | -3,360        | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 14                      | WAS THICKENING - CONSTR-2015 SC                                     | 01/01/2015 | 12/31/2024      | -2,900    | 0                           | 0               | -234              | 0        | -2,666        | 0                    | 0       | 0       | 0    | 0                  |
|                   |                         | <b>Project Sub-total:</b>   |            |                 | 746       | 0                           | 0               | 60                | 0        | 686           | 0                    | 0       | 0       | 0    | 0                  |
| <b>0</b>          | <b><u>WAS907038</u></b> | <b><u>Land Acquisition for Source Water Protect</u></b>             |            |                 |           |                             |                 |                   |          |               |                      |         |         |      |                    |
| 0                 | 13                      | TRCA - CRITICAL EROSION SITES                                       | 01/01/2015 | 12/31/2024      | 7,000     | 0                           | 0               | 564               | 0        | 6,436         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 14                      | TRCA - SCARBOROUGH WATERFRONT TRAIL EA - 2015 SC                    | 01/01/2015 | 12/31/2024      | 1,500     | 0                           | 0               | 0                 | 0        | 1,500         | 0                    | 0       | 0       | 0    | 0                  |
|                   |                         | <b>Project Sub-total:</b>   |            |                 | 8,500     | 0                           | 0               | 564               | 0        | 7,936         | 0                    | 0       | 0       | 0    | 0                  |
| <b>0</b>          | <b><u>WAS907097</u></b> | <b><u>ASHBRIDGES BAY WWTP - BUILDING SERVICES &amp; SITE DE</u></b> |            |                 |           |                             |                 |                   |          |               |                      |         |         |      |                    |
| 0                 | 7                       | CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM                      | 01/01/2010 | 12/31/2015      | 270       | 0                           | 0               | 0                 | 0        | 270           | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 19                      | CITY IMPROVEMENTS RE: TH COGEN                                      | 01/01/2012 | 12/31/2018      | 1,050     | 0                           | 0               | 0                 | 0        | 1,050         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 21                      | BLOWER BLDG AND OLD NORTH SUBSTAION IMPROVEMI                       | 01/01/2010 | 12/31/2017      | 2,647     | 0                           | 0               | 0                 | 0        | 2,647         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 50                      | CONTROLLED SUBS IDENTIFICATION&ABATEMENT-2015S                      | 01/01/2015 | 12/31/2024      | -170      | 0                           | 0               | 0                 | 0        | -170          | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 51                      | CITY IMPROVEMENTS RE: TH COGEN - 2015 SC                            | 01/01/2015 | 12/31/2024      | -900      | 0                           | 0               | 0                 | 0        | -900          | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 53                      | BLOWER BLDG & OLD NORTH SUBSTATION IMPRO-2015                       | 01/01/2015 | 12/31/2024      | -1,947    | 0                           | 0               | 0                 | 0        | -1,947        | 0                    | 0       | 0       | 0    | 0                  |
|                   |                         | <b>Project Sub-total:</b>   |            |                 | 950       | 0                           | 0               | 0                 | 0        | 950           | 0                    | 0       | 0       | 0    | 0                  |
| <b>0</b>          | <b><u>WAS907098</u></b> | <b><u>ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM</u></b>                 |            |                 |           |                             |                 |                   |          |               |                      |         |         |      |                    |
| 0                 | 1                       | ABTP DISINFECTION ENGINEERING                                       | 01/01/2010 | 12/31/2021      | 1,899     | 0                           | 0               | 153               | 0        | 1,746         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 13                      | ABTP OUTFALL ASSESSMENT   | 01/01/2012 | 12/31/2013      | 1,300     | 0                           | 0               | 105               | 0        | 1,195         | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 14                      | OUTFALL ENGINEERING   | 01/01/2015 | 12/31/2024      | 100       | 0                           | 0               | 8                 | 0        | 92            | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 21                      | DISINFECTION ENGINEERING - 2015 SC                                  | 01/01/2015 | 12/31/2024      | -1,149    | 0                           | 0               | -93               | 0        | -1,056        | 0                    | 0       | 0       | 0    | 0                  |
| 0                 | 22                      | OUTFALL ASSESSMENT - 2015 SC  | 01/01/2015 | 12/31/2024      | -1,290    | 0                           | 0               | -104              | 0        | -1,186        | 0                    | 0       | 0       | 0    | 0                  |
|                   |                         | <b>Project Sub-total:</b>   |            |                 | 860       | 0                           | 0               | 69                | 0        | 791           | 0                    | 0       | 0       | 0    | 0                  |



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

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

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



## CITY OF TORONTO

## Appendix 5 - 2015 Recommended Capital Budget with Financing Detail

## Wastewater Program

## Sub-Project Summary

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

(Phase 2) 11-Wastewater Program

Sub-Project Category: 01,02,03,04,05,06,07

Type: B Sub-Project Status: S2

Type: C Sub-Project Status: S2,S3,S4,S5



**CITY OF TORONTO**

**Appendix 5 - 2015 Recommended Capital Budget with Financing Detail**

**Wastewater Program**

**Sub-Project Summary**

| Project/Financing  |   | Start Date | Completion Date | 2015 Cash Flow | Financing                   |                 |                   |          |                |                      |          |          |          |                    |
|--|---|------------|-----------------|----------------|-----------------------------|-----------------|-------------------|----------|----------------|----------------------|----------|----------|----------|--------------------|
| Priority   | Project Name                                    |            |                 |                | Provincial Grants Subsidies | Federal Subsidy | Developmt Charges | Reserves | Reserve Funds  | Capital From Current | Other 1  | Other 2  | Debt     | Debt - Recoverable |
| <b>0 WAS907700 NORTH TORONTO WTP UPGRADES</b>                    |   |            |                 |                |                             |                 |                   |          |                |                      |          |          |          |                    |
| 0  | 8 NTPP - ELECTRICAL UPGRADES - ECAR - 2015 SC   | 01/01/2015 | 12/31/2024      | -913           | 0                           | 0               | 0                 | 0        | -913           | 0                    | 0        | 0        | 0        | 0                  |
| <b>Project Sub-total:</b>  |   |            |                 | <b>2</b>       | <b>0</b>                    | <b>0</b>        | <b>0</b>          | <b>0</b> | <b>2</b>       | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>           |
| <b>0 WAS908143 Georgetown South City Infrastructure Upgrades</b> |   |            |                 |                |                             |                 |                   |          |                |                      |          |          |          |                    |
| 0  | 1 Georgetown South City Infrastructure Upgrades | 01/01/2015 | 12/31/2015      | 2,840          | 0                           | 0               | 0                 | 0        | 2,840          | 0                    | 0        | 0        | 0        | 0                  |
| <b>Project Sub-total:</b>  |   |            |                 | <b>2,840</b>   | <b>0</b>                    | <b>0</b>        | <b>0</b>          | <b>0</b> | <b>2,840</b>   | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>           |
| <b>0 WASWP003 EMERY CREEK POND</b>                               |   |            |                 |                |                             |                 |                   |          |                |                      |          |          |          |                    |
| 0  | 1 EMERY CREEK POND                              | 01/01/2010 | 12/31/2016      | 5,412          | 0                           | 0               | 434               | 0        | 4,978          | 0                    | 0        | 0        | 0        | 0                  |
| 0  | 13 EMERY CREEK POND - 2015 SC                   | 07/02/2014 | 07/02/2014      | -1,512         | 0                           | 0               | -120              | 0        | -1,392         | 0                    | 0        | 0        | 0        | 0                  |
| <b>Project Sub-total:</b>  |   |            |                 | <b>3,900</b>   | <b>0</b>                    | <b>0</b>        | <b>314</b>        | <b>0</b> | <b>3,586</b>   | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>           |
| <b>0 WASWP050 EQUIPMENT REPLACEMENT &amp; REHABILITATION</b>     |   |            |                 |                |                             |                 |                   |          |                |                      |          |          |          |                    |
| 0  | 127 EQUIPMENT REPLACEMENT-2015 SC               | 01/01/2015 | 12/31/2024      | -2,520         | 0                           | 0               | 0                 | 0        | -2,520         | 0                    | 0        | 0        | 0        | 0                  |
| 0  | 128 REHAB OF SOUTH PRIMARY CLARIFIERS- 2015 SC  | 01/01/2015 | 12/31/2024      | 6              | 0                           | 0               | 0                 | 0        | 6              | 0                    | 0        | 0        | 0        | 0                  |
| 1  | 78 North Primaries Pumping Equipment            | 01/01/2012 | 12/31/2015      | 2,900          | 0                           | 0               | 0                 | 0        | 2,900          | 0                    | 0        | 0        | 0        | 0                  |
| <b>Project Sub-total:</b>  |   |            |                 | <b>386</b>     | <b>0</b>                    | <b>0</b>        | <b>0</b>          | <b>0</b> | <b>386</b>     | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>           |
| <b>Program Total:</b>  |   |            |                 | <b>463,845</b> | <b>0</b>                    | <b>0</b>        | <b>31,598</b>     | <b>0</b> | <b>432,247</b> | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>           |

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

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



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

\* Based on the 9 Month Variance Report