

**BUDGET NOTES** 

# **Toronto Water**

#### What We Do

We manage one of the largest water and wastewater systems in North America, 24 hours a day, seven days a week. Our services ensure that over 3.6 million residents and businesses in Toronto, and portions of York and Peel have access to high quality, safe drinking water and that they can trust that their wastewater is collected, treated and responsibly managed. Toronto Water delivers the following services:

- Water Treatment & Supply
- Wastewater Collection & Treatment
- Stormwater Management

Toronto Water has stewardship of an inventory of capital assets valued at \$28.638 billion. It maintains two categories of assets: linear infrastructure, such as distribution (5,551 km) and transmission (550 km) watermains, sanitary (3,730 km), combined (1,411 km) and storm (4,981 km) sewers; and facilities/plant assets such as water filtration (4) and waste water treatment (4) plants, pumping stations (105), as well as a variety of reservoirs, storage and detention tanks.

# Why We Do It

Toronto Water provides water services through supplying drinking water and treatment of wastewater and stormwater to residents, businesses and visitors in order to protect public health, safety and property in an environmentally and a fiscally responsible manner.

# **Our Experience & Success**

- Over 1 billion litres of potable water daily is delivered to industrial, commercial, institutional, and household water users in the City of Toronto (including York Region), amounting to more than 511,000 service connections.
- Over 1.5 billion litres of wastewater is collected and treated per day, from residents and businesses in Toronto and a portion of Peel Region.
- Continuity of our services is ensured by replacement (31 km) and rehabilitation (128 km) of watermains and sewers in 2018.
- We have made significant progress by investing in critical stormwater management projects, including the Don River & Central Waterfront Phase 1 and ongoing critical upgrades to water and wastewater treatment plants to ensure regulatory requirements.

### **Key Challenges**

- Toronto Water's infrastructure is aging with an accumulated state of good repair backlog estimated at \$1.491 billion. Ongoing significant capital investment is required to effectively eliminate the backlog by 2028.
- Significant investment is required to ensure extreme weather resiliency and to manage basement flooding and other stormwater issues across the city.
- Providing efficient and effective response to customer service.
- Toronto Water's long-term financial sustainability including planning for growth depends primarily on successive water rate increases of 3%.
- · Minimizing operating pressures.

# **Priority Actions**

- •The 10-Year Capital Plan includes funding of \$6.745 billion for state of good repair projects.
- Approximately \$3.4 billion or 25% of the 10-Year Capital Plan's expenditures will be allocated to projects that will improve the city's resiliency to extreme weather events.
- Increased customer satisfaction through improved service processes and operationalization of the Customer Care Centre in 2019.
- The City of Toronto is experiencing significant growth. Approximately \$603.4 million will be drawn from Toronto Water's capital reserves to accommodate development growth over the next 10 years.
- •\$7.284 million in efficiencies and other savings will fully offset the 2019 budget pressures.

# **Budget At A Glance**

\$Million	2019	2020	2021
Gross Expenditures	\$463.9	\$484.5	\$495.0
Revenues	\$1,331.2	\$1,376.3	\$1,407.8
Capital Contribution	\$867.4	\$891.8	\$912.8
Approved Positions	1,805.6	1,840.6	1,846.6



# **Our Key Service Levels**



**22** mainbreaks per 100 km of pipe



**4** sewer mainline backups per 100km of pipe



**1,248 ML** of dedicated (designed) stormwater storage capacity



**0** non-compliance water treatment incidents



**0** non-compliance wastewater events



**7,065 hectares** of drainage area where quality control provided

Source of Image: www.icons8.com

# **Key Service Deliverables**

Provide treatment and supply of **+435 billion litres** of water (including Region of York)

Provide collection and treatment of **+400 billion litres** of wastewater (including Region of Peel)

Continue maintenance and repair of +6,100 km of water mains and +4,100 km of sanitary sewers

Replace +5,000 substandard water services

Repair +1,600 broken watermains

Provide Environmental Monitoring and Protection including on-going public consultation and awarenes programs

#### Who We Serve

#### Water Treatment & Supply

- Water Account Holders
- Water Consumers

#### Beneficiaries

- Businesses
- Residents
- City & Agency Staff
- Visitors

# Wastewater Collection & Treatment

- Wastewater Account Holders
- Wastewater producers
- Public & Private Landowners

#### Beneficiaries

- Businesses
- Residents
- City & Agency Staff
- Visitors

### **Stormwater Management**

Public & Private Landowners

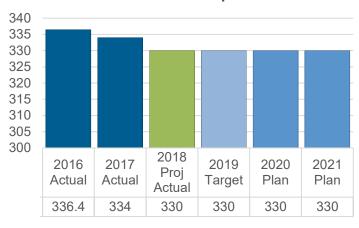
#### Beneficiaries

- Businesses
- Residents
- · City & Agency Staff
- Visitors

# **How Well We Are Doing**

#### **Performance Measures**

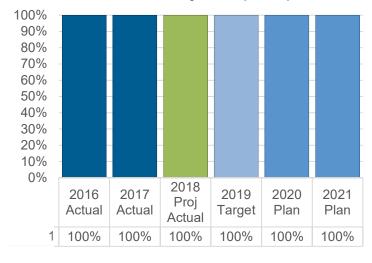
# Efficiency Measure - Electrical kWH per ML of Water Pumped



#### **Behind the Numbers**

- 2016-2017 actual usage of electricity per mega liter of water pumped was lower than the 340 kWh target.
- Toronto Water continues to improve electrical efficiency through the transmission operations optimization project at the water treatment plants, thus reducing the target to 330 kWh per mega liter of water.

# Effectivenes Measure - Percent Biosolids Beneficially Used (ABTB)



- Continuing efforts to increase beneficial use by pelletizing biosolids resulted in an actual performance reaching 100% in 2016 and 2017.
- 2018 projected actuals and 2019-2021 target and plan are projected to maintain beneficial use to 100% target level.

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# RECOMMENDATIONS

2019 STAFF RECOMMENDED OPERATING BUDGET

2019 - 2028 STAFF RECOMMENDED CAPITAL BUDGET & PLAN

SSUES FOR DISCUSSION

# **A**PPENDICES

- 1. 2019 Organization Chart
- 2. 2019 Operating Budget by Service
- 3. 2019 Service Levels
- 4. Summary of 2019 Recommended Service Changes
- 5. Summary of 2019 Recommended New & Enhanced Service Priorities
- 6. 2019 User Fee Rate Changes
- 7. 2019 Capital Budget; 2020 2028 Capital Plan
- 8. 2019 Cash Flow & Future Year Commitments
- 9. 2019 Capital Budget with Financing Detail
- 10. Reserve and Reserve Fund Review



# **RECOMMENDATIONS**

### **RECOMMENDATIONS**

The City Manager and Chief Financial Officer & Treasurer recommend that:

1. City Council approve the 2019 Staff Recommended Operating Budget for Toronto Water of \$463.869 million gross, \$867.368 million net capital-from-current contribution for the following services:

Service:	Gross (\$000s)	Net (\$000s)
Water Treatment and Supply	201,369.5	384,894.2
Wastewater Collection & Treatment	231,185.0	508,270.2
Stormwater Management	31,314.4	(25,796.6)
Capital-from-Current Contribution	463,869.0	867,367.7

- 2. City Council approve the 2019 service levels for Toronto Water as outlined in Appendix 3 of this report, and associated staff complement of 1,805.7 positions, comprising of 84.4 capital positions and 1,721.3 operating positions.
- 3. City Council direct the General Manager, Toronto Water to provide an update on the implementation progress of the Utility Cut Program, including costs and benefits, through the 2020 Budget process.
- 4. City Council approve the 2019 Staff Recommended Capital Budget for Toronto Water with a total project cost of \$1.730 billion, and 2019 cash flow of \$960.506 million and future year commitments of \$6.256 billion comprised of the following:
  - a. New Cash Flow Funds for:
    - 1. 328 new / change in scope sub-projects with a 2019 total project cost of \$1.730 billion that requires cash flow reduction of \$555.857 million in 2019 and future year cash flow commitments of \$430.279 million for 2020; \$665.437 million for 2021; \$497.822 million for 2022; \$262.318 million for 2023; \$132.326 million for 2024; \$81.788 million for 2025; \$47.459 million for 2026; \$69.666 million for 2027; and \$98.634 million for 2028;
    - 2. 297 previously approved sub-projects with a 2019 cash flow of \$1.516 billion; and future year cash flow commitments of \$1.091 billion for 2020; \$831.283 million for 2021; \$617.081 million for 2022; \$503.592 million for 2023; \$369.285 million for 2024; \$285.160 million for 2025; \$201.051 million for 2026; and \$71.985 million for 2027;
  - b. 2018 approved cash flow for 183 previously approved sub-projects with carry forward funding from 2018 into 2019 totalling \$163.426 million.
- 5. City Council approve the 2020 2028 Staff Recommended Capital Plan for Toronto Water totalling \$6.398 billion in project estimates, comprised of \$69.251 million for 2020; \$206.698 million for 2021; \$501.865 million for 2022; \$625.437 million for 2023; \$748.820 million for 2024; \$864.797 million for 2025; \$1.016 billion for 2026; \$1.216 billion for 2027, and \$1.150 billion for 2028.
- 6. City Council consider the operating costs of \$0.738 million net in 2019; \$1.049 million net in 2020; \$0.775 million net in 2021; \$2.174 million net in 2022, \$0.150 million net in 2023, \$0.580 million net in 2024, and \$1.915 million net in 2026 resulting from the approval of the 2019 Capital Budget for inclusion in the 2019 and future year operating budgets.

- 7. City Council approve 2 net new temporary capital positions for the delivery of 2019 capital projects and that the duration for each temporary position not exceed the life and funding of its respective projects / sub-projects.
- 8. All sub-projects with third party financing be approved conditionally, subject to the receipt of such financing in 2019 and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.
- 9. This report be considered concurrently with the 2019 Water and Wastewater Consumption Rates and Service Fees Report from the Chief Financial Officer & Treasurer and the Acting General Manager for Toronto Water.

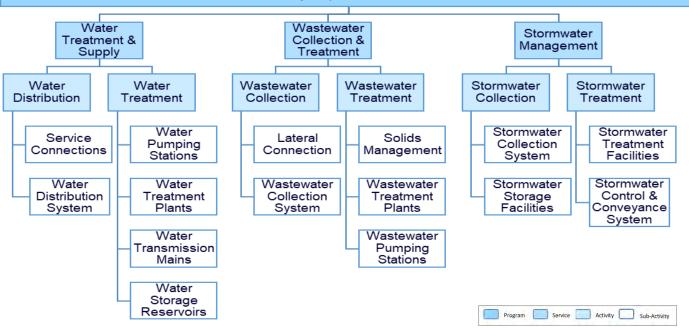


# 2019 STAFF RECOMMENDED OPERATING BUDGET

#### PROGRAM MAP

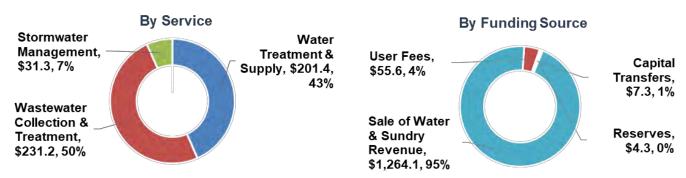
#### **Toronto Water**

Provide quality water services through supplying drinking water and treatment of wastewater and storm water to residents, businesses and visitors in order to protect public health, safety and property in an environmentally and a fiscally responsible manner.



#### 2019 OPERATING BUDGET HIGHLIGHTS

### 2019 Staff Recommended Operating Budget \$463. M





- 3.0% increase over the 2018 Approved Capital Contribution Budget to maintain existing service levels and meet additional service demands.
- \$1.223 M Efficiency savings in water and wastewater production utility costs.
- \$7.985 M New/enhanced funding for new initiatives such as utility cut repairs and chamber adjustment program, bulk water fill station pilot project and provision of dedicated sttaff resources for insurance/risk management, legal services and Ontario One Call locate tickets clearing, funded from capital projects and reserve funds.
- 2020/2021 Increases primarily for known inflationary adjustments for salaries, benefits and operating impact of completed capital projects, and anticipated changes in other costs and revenues.

### 2019 OPERATING BUDGET OVERVIEW

Table 1: 2019 Staff Recommended Operating Budget and Plan by Service

	20	18		2019				Increment	al Change
(in \$000s)	Budget	Projected Actual*	Base	New / Enhanced	Total Staff Recommended Budget	Char	nges	2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	\$	%	\$	\$
Water Treatment & Supp	oly								
Gross Expenditures	190,923.3	180,045.5	196,492.1	4,877.4	201,369.5	10,446.3	5.5%	10,706.2	4,876.4
Revenue	565,454.7	575,918.9	584,954.4	1,309.3	586,263.7	20,809.1	3.7%	19,757.3	13,996.2
Capital Contribution	374,531.4	395,873.4	388,462.3	(3,568.2)	384,894.2	10,362.8	2.8%	9,051.0	9,119.8
Wastewater Collection 8	k Treatment								
Gross Expenditures	225,770.4	212,907.3	228,560.3	2,624.7	231,185.0	5,414.5	2.4%	8,735.8	5,365.7
Revenue	718,861.1	732,164.2	738,734.7	720.5	739,455.2	20,594.1	2.9%	25,142.2	17,790.9
Capital Contribution	493,090.6	519,257.0	510,174.4	(1,904.2)	508,270.2	15,179.5	3.1%	16,406.5	12,425.2
Stormwater Managemen	ıt								
Gross Expenditures	30,558.1	28,817.1	30,831.6	482.8	31,314.4	756.3	2.5%	1,168.2	258.2
Revenue	4,971.2	5,063.2	5,380.2	137.6	5,517.8	546.6	11.0%	180.5	(277.0)
Capital Contribution	(25,586.9)	(23,753.9)	(25,451.4)	(345.2)	(25,796.6)	(209.7)	0.8%	(987.7)	(535.2)
Total									
Gross Expenditures	447,251.8	421,769.8	455,884.0	7,985.0	463,869.0	16,617.1	3.7%	20,610.2	10,500.2
Revenue	1,289,287.0	1,313,146.4	1,329,069.3	2,167.4	1,331,236.7	41,949.7	3.3%	45,079.9	31,510.1
<b>Total Capital Contribution</b>	842,035.1	891,376.5	873,185.3	(5,817.6)	867,367.7	25,332.6	3.0%	24,469.7	21,009.8
Approved Positions	1,764.7	1,626.3	1,774.7	31.0	1,805.7	41.0	2.3%	34.9	6.0

<sup>\*</sup> Year-End Projection Based on Q3 2018 Variance Report

# **Base Changes**

(\$8.632 million gross)

- Operating costs for salaries and benefits, utilities, chemicals and contracted services resulting from completed capital projects, including addition of 8 positions to operate new facilities and infrastructure, and 2 positions for delivery of capital projects.
- Salary & benefit cost inflationary increases.
- Inflationary increases for materials, supplies and contracted services.
- Above pressures are offset by base expenditure savings arising from a line by line review, other operational savings, utility efficiencies and higher revenues from sale of water to Region of York and increase in new service conections and other revenues.

#### New/Enhanced Service Priorities (\$7.985 million Gross / \$5.818 million Net).

- Transfer of Utility Cut and and Chamber Adjustment Program from Transportation Services, requiring addition of 27 new positions.
- Dedicated insurance/risk management position to reduce claim settlements, as well as funding for addition of one solicitor to address growing demand for legal services.
- Addition of 3 positions to support the review/clearing of Transportation Services Ontario One Call Locate Tickets involving markings for the City's infrastructure at exavation sites.
- Introduction of a new bulk water fee and fill station pilot project for mobile washing businesses.

#### **Future Year Plan**

- Inflationary increases for salaries and benefits.
- Operating impact of capital projects once completed and salaries and benefits for staff delivering capital projects.
- Anticipated inflationary increases for utilities, chemicals and other materials and supplies, contributions to TRCA and payment of taxes.
- Anticipated changes in volume and price of water sold in Toronto and Region of York.

#### **EQUITY IMPACTS**

Toronto Water's 2019 Staff Recommended Operating Budget does not include any changes that affect equity-seeking groups and vulnerable residents of Toronto and it has no equity impacts.

# 2019 Staff Recommended Operating Budget Changes by Service

The 2019 Staff Recommended Operating Budget for Toronto Water is \$463.869 million gross and \$1.331 billion in revenue resulting in an \$867.368 million capital-from-current contribution. It reflects an increase of \$25.333 million or 3% over the 2018 Approved Capital Contribution Budget. Table 2 below summarizes the key cost drivers to maintain current service levels, recommended service changes that achieve budget target as well as recommended new and enhanced service priorities to meet outcomes.

Table 2: 2019 Staff Recommended Operating Budget Changes by Service

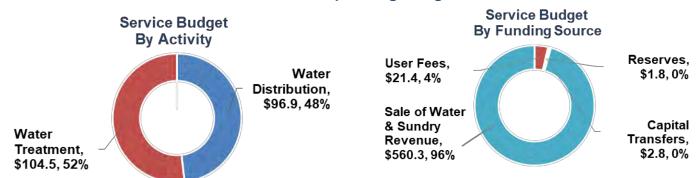
	Water Treatment & Supply	Services Wastewater Collection & Treatment	Stormwater Management	Tota	al
(In \$000s)	\$	\$	\$		Positions
2018 Council Approved Capital-from-Current Contribution	374,531.4	493,090.6	(25,586.9)	842,035.1	1,764.
Base Expenditure Changes					
Prior Year Impacts					
In-Year Organizational Change Approvals	109.1	51.3	(36.0)	124.4	
Reversal of Zero Based Items	(2.1)	(19.4)	(8.0)	(22.2)	
Operating Impacts of Capital					
Operating Impact of Capital - Toronto Water Capital Projects (Page 27)	327.1	394.2	16.5	737.8	5
Operating Impact of Capital - Transfer of Infrastructure Completed By Others	70.5	93.7	22.6	186.8	3
(Including Metrolinx & Waterfront)		***			
Delivery of Capital Projects	(47.4)	(407.4)	(54.4)	(005.0)	
Delivery of Capital Projects - Various Projects	(47.4)	(127.4)	(51.1)	(225.9)	2
Economic Factors Inflationary Increases for Utilities, Chemicals and Other Materials, Equipment and Contracted Services	3,271.5	3,176.8	102.8	6,551.1	
Salaries and Benefits					
Cost of Living Adjustments, Progression Pay & Step Increases	5,235.0	(655.6)	(1,189.3)	3,390.1	
Other Base Expenditure Changes	0,200.0	(000.0)	(1,100.0)	0,000.1	
TRCA - 2.5% Annual Inflation Adjustment & Payment in Lieu of Taxes	136.4	162.5	123.8	422.6	
Increase in Interdepartmental Changes (IDC)	147.3	419.6	147.2	714.1	
Transit Position Consolidation	(996.7)	136.8	859.9	(0.0)	
Water & Wastewater Production Annual Adjustments	(968.7)	168.3		(800.4)	
Continuos Improvement Initiative - Repurposing/Realignment of Positions	(200.4)	36.1	(42.7)	(207.0)	
Sub-Total Base Expenditure Changes	7,081.6	3,836.8	(47.0)	10,871.4	10
Base Revenue Changes					
Increase in Revenue from Region of York (Volume Change)	2,159.3			2,159.3	
Increase in Revenue from Region of York (Rate Change )	706.7			706.7	
Increase in New Service Connections & Other Revenues	2,156.9	597.2	58.0	2,812.0	
Decrease in Sale of Water (Volume Change)	(2,778.4)	(3,683.0)		(6,461.4)	
Increase in Revenue from Sale of Water (3% Inflationary Factor )	15,273.8	20,246.7		35,520.5	
Sub-Total Base Revenue Changes	17,518.3	17,160.9	58.0	34,737.2	
Service Changes					
Base Expenditure Changes					
Adjustments to Expenses Based on Actual Experience (Line-By-Line Review)	(208.7)	(850.2)	(30.6)	(1,089.5)	
Payment in Lieu of Taxes Base Adjustment	(365.1)	(434.9)		(800.0)	
Base Revenue Changes					
Increase in Revenue from User Fees (Inflationary Factor of 2.82%)	(74.1)	(13.8)		(88.0)	
Increase in Contribution from Reserve Funds for Utility Cut Restoration Backlog	(1,756.0)	(2,327.7)		(4,083.6)	
Service Efficiencies					
Water & Wastewater Utility Efficiencies	(1,090.4)	(132.9)		(1,223.3)	
Sub-Total Service Changes <sup>1</sup>	(3,494.2)	(3,759.6)	(30.6)	(7,284.5)	
Total Base Changes	(13,930.9)	(17,083.7)	(135.5)	(31,150.2)	10
New & Enhanced Services					
Enhanced Service Priorities					
New Solicitor for Toronto Water (IDC/IDR TO Legal Services)	57.3	51.6	5.7	114.7	
Locates Clearing Program for Transportation Services	21.5	16.5	7.1	45.1	3
New Service Priorities					
Utility Cut Program	3,452.3	1,827.0	325.1	5,604.4	24
Dedicated Risk Insurance Staff	51.9	27.7	6.9	86.5	
Toronto Water Chamber Adjustment Program	0.0	0.0	0.0	0.0	3
New Revenues					
Bulk Water Fill Station Pilot New Fee (Block 1 Water Rate - \$3.96/m3)	(14.9)	(18.6)	0.4	(33.0)	
Sub-Total New & Enhanced Services <sup>1</sup>	3,568.2	1,904.2	345.2	5,817.6	31
otal Budget Changes Changes	(10,362.8)	(15,179.5)	209.7	(25,332.6)	4
Changes in Capital-from Current Contribution	10,362.8	15,179.5	(209.7)	25,332.6	
Total 2019 Staff Recommended Capital-from-Current Contribution	384,894.2	508,270.2	(25,796.6)	867,367.7	1,805

#### Note:

<sup>1.</sup> For additional information, refer to Appendix 4 (page <u>52</u>) for a more detailed listing and descriptions of the 2019 Staff Recommended Service Changes and Appendix 5 (page <u>53</u>) for the 2019 Staff Recommended New and Enhanced Service Priorities, respectively.

**Water Treatment and Supply** Treat and distribute drinking water in a safe, responsible manner in accordance with all legislated requirements.

# 2019 Staff Recommended Operating Budget \$201.4M Gross

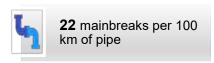


Refer to Appendix 2 (page 48) for the 2019 Staff Recommended Operating Budget by Service.

# **Key Service Levels**



**99.5** % of time operating within 276 kPA to 793 kPA requirements











Source of Image: www.icons8.com

Refer to Appendix 3 (page 50) for a complete list of the 2019 Staff Recommended Service Levels for this Service.

#### **Service Performance Measures**

# Watermain Breaks per 100 KM Water Distribution Pipe



- 2013 -2015 experience sees a rising trend due to severe cold weather fluctuations and aging watermains, with 2016 and 2017 actuals reflecting more regular weather patterns.
- Projected 2018 actuals and 2019-2021 planned target is to maintain watermain break and repair levels of typical climate years with improved state-of-good repair program.

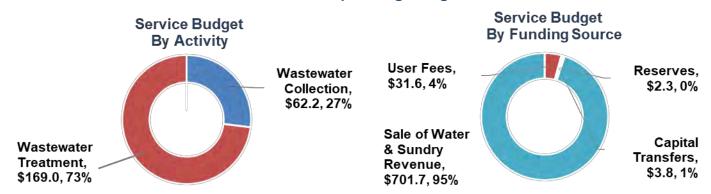
# Efficiency Measure - Electrical kWH per ML of Water Pumped



- 2016-2017 actual usage of electricity per mega liter of water pumped was lower than the 340 kWh target.
- Toronto Water continues to improve electrical efficiency through the transmission operations optimization project at the water treatment plants, thus reducing the target to 330 kWh per mega liter of water, consistent with 2018 experience.

**Wastewater Collection and Treatment** Collect and treat wastewater in a safe, responsible manner in accordance with all legislated requirements.

# 2019 Staff Recommended Operating Budget \$231.2 M Gross

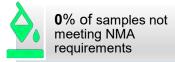


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# **Key Service Levels**

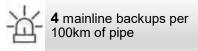


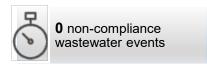
**30**% of sewer service line blocked requests resulting in repair or rehab (Work Orders)





**100**% of wastewater pumping stations meeting legislative requirements





Source of Image: www.icons8.com

Refer to Appendix 3 (page 50) for a complete list of the 2019 Staff Recommended Service Levels for this Service.

#### Service Performance Measures

# Wastewater Main Backups per 100 KM Wastewater Main



- 2012-2016 rising trend was impacted by severe storms causing wastewater capacity constraints, with 2017 actuals reflecting more regular weather patterns.
- 2018 projected actuals and 2019–2021 target and plan is to maintain wastewater main backups and repair levels of typical climate years.

### Effectivenes Measure - Percent Biosolids Beneficially Used (ABTB)



- Continuing efforts to increase beneficial use by pelletizing biosolids resulted in an actual performance reaching 100% in 2016 and 2017.
- 2018 projected actuals and 2019-2021 target and plan are projected to maintain beneficial use to 100% target level.

**Stormwater Management** Collect and treat stormwater in a safe, responsible manner in accordance with all legislated requirements.

# 2019 Staff Recommended Operating Budget \$31.3 M



Refer to Appendix 2 (page 48) for the 2019 Staff Recommended Operating Budget by Service.

# **Key Service Levels**



**100**% of catch basins cleaned



**1,248** ML of dedicated (designed) stormwater storage capacity



**7,065** hectares of drainage area where quality control provided



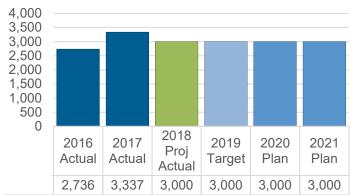
100% of stormwater conveyance & control systems meeting all COA Requirements

Source of Image: <u>www.icons8.com</u>

Refer to Appendix 3 (page 50) for a complete list of the 2019 Staff Recommended Service Levels for this Service.

#### **Service Performance Measures**

# **Water Course Inlet Inspections**



- 2016 -2017 reflects high effort in inspecting water course inlets to improve stormwater management.
- 2018 projected actuals and 2019 target and 2020-2021 plan is to maintain inlet inspections to target levels.

#### 2018 OPERATING PERFORMANCE

#### 2018 Service Performance

Key Service Accomplishments:

- The Ministry of Environment, Conservation and Parks (MECP) has completed annual inspections at the City's water treatment facilities and there have been no major non-conformance issues identified.
- Drinking Water Quality Management Standards (DWQMS) re-accreditation was achieved in 2018 by an external auditor
- The management structure and key phases of hiring for the Toronto Water Customer Care Centre are completed. This is a transformational initiative that sets the stage for significant improvements to increase customer satisfaction. (Initiated in 2017 and resulted in \$0.747 million in savings due the reduction of 8 positions.)
- Optimizing GIS technology to enhance operational efficiency and improve customer service
- Piloting smart grid technologies to help with in the field data collection and connectivity.
- As of December, processed 5,651 Basement Flooding Protection Program applications to provide financial subsidy to install flood protection devices such as backwater valves
- Ongoing education and outreach program attending 266 outreach events with an estimated attendance of 3.6 million people as reported by event organizers.
- Water conservation projects related to the Industrial Water Rate Program resulted in estimated cumulative water savings of 5.8 million m3

# Status Update on 2018 Council Approved New & Enhanced Services

During the 2018 Budget process, City Council approved \$0.123 million gross and net to fund one additional senior communications coordinator position. This position was intended to provide digital communications expertise to the existing team of three senior communication coordinators dedicated to Toronto Water within Strategic Communications.

This position is now in place and assisting in planning, implementing and managing Toronto Water's digital initiatives.

#### 2018 Financial Performance

Table 3: Budget vs. Actual by Category of Expenditures and Revenues

Category	2017 Actual	2018 Budget	2018 Projected Actual *	2019 Total Staff Recommended Budget	2019 Change from 20 Approved Budget	
(In \$000s)	\$	\$	\$	\$	\$	%
Salaries and Benefits	168,482.7	179,395.4	171,895.4	186,451.0	7,055.5	3.9%
Materials & Supplies	96,317.6	107,410.1	100,310.1	109,196.2	1,786.1	1.7%
Equipment	2,737.8	3,200.5	3,000.5	3,684.5	484.1	15.1%
Service and Rent	51,146.8	62,388.9	54,606.9	69,228.9	6,840.0	11.0%
Contribution To Capital	815,409.2	842,035.1	842,035.1	867,367.7	25,332.6	3.0%
Contribution To Reserves/Reserve Funds	10,130.4	10,130.4	10,130.4	10,130.4		
Other Expenditures	16,654.8	18,895.0	16,995.0	18,517.6	(377.4)	(2.0%)
Inter-Divisional Charges	65,516.5	65,831.7	64,831.7	66,660.4	828.7	1.3%
Total Gross Expenditures	1,226,396.0	1,289,286.9	1,263,805.0	1,331,236.7	41,949.7	3.3%
Inter-Divisional Recoveries	18.5	47.0	47.0	186.1	139.1	295.8%
Provincial Subsidies						
Federal Subsidies						
Other Subsidies						
User Fees & Donations	60,950.9	54,058.1	64,060.6	55,558.1	1,500.0	2.8%
Licences & Permits Revenue						
Transfers From Capital	5,699.2	4,758.9	5,398.9	7,341.5	2,582.6	54.3%
Contribution From Reserves/Reserve Funds	195.0	195.0	195.0	4,278.6	4,083.6	2094.2%
Sundry and Other Revenues	1,159,532.5	1,230,228.0	1,243,444.8	1,263,872.4	33,644.5	2.7%
Total Revenues	1,226,396.1	1,289,287.0	1,313,146.4	1,331,236.7	41,949.7	3.3%
Total Net Expenditures	(0.0)	(0.0)	(49,341.4)	0.0	0.0	(0.0%)
Approved Positions	1,640.3	1,764.7	1,626.3	1,805.7	41.0	2.3%

<sup>\*</sup> Year-End Projection Based on Q3 2018 Variance Report

Toronto Water is projecting to be underspent by \$49.341 million at year-end, primarily due to underspending in salaries and benefits as a result of vacancies, declining hydro rates and efficient usage, underspending in chemicals due to change in dosage requirements and other materials, combined with higher than budgeted revenues due to higher than anticipated volume of water sold as a result of hot summer, as well as increases in new water service connections and other revenues.

For additional information regarding the 2018 Q3 operating variances and year-end projections, please refer to the attached link for the report entitled "Operating Variance Report for the Nine-Month Period Ended September 30, 2018", approved by City Council at its meeting on December 4, 5 and 13, 2018.

http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2019.CC1.7

### Impact of 2018 Operating Variance on the 2019 Staff Recommended Operating Budget

- In its Q3 Operating Variance Report Toronto Water projected net under expenditure because of lower than anticipated hydro rates and usage efficiencies. Savings in some other materials and supplies were also projected.
  - Line by line expenditure savings totalling \$1.890 million including the reassessment of payments in lieu of taxes, and utility efficiencies of \$1.223 million are included in the 2019 Staff Recommended Operating Budget to account for impact of various initiatives undertaken by Toronto Water. That resulted in ongoing savings.

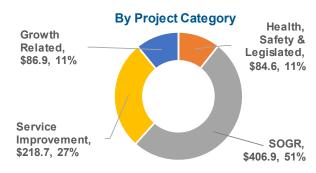
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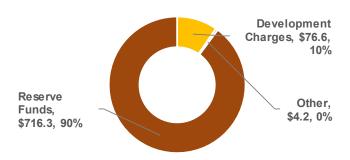
# 2019 – 2028 STAFF RECOMMENDED CAPITAL BUDGET AND PLAN

### 10 YEAR CAPITAL PLAN HIGHLIGHTS

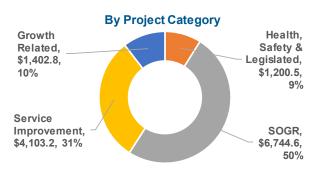
# 2019 Staff Recommended Capital Budget \$797.0M



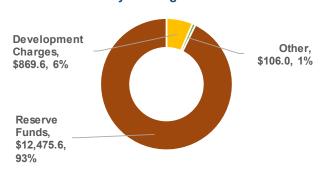
#### **By Funding Source**



# 2019-2028 Staff Recommended Capital Budget and Plan \$13,451.1M



#### **By Funding Source**



#### 1 YEAR

- \$214.978M Deliver continued state of good repair projects to adress infrastructure renewal such as Watermain Replacement and Rehabilitation (\$64.053 million), Sewer System Replacement and Rehabilitation (\$130.250 million) and Trunk Sewer and Pumping Station projects (\$20.675 million).
- \$168.207M Implement Basement Flooding (\$58.406 million), Wet Weather Flow Master Plan (\$102.518 million) and Stream Restoration and erosion projects (\$7.283 million)
- \$14.791M Continue to provide funding for the TRCA erosion control projects including critical Erosion sites.

#### 10 YEARS

- \$7.945B State of Good Repair projects
   (including Health & Safety and Legislated
   projects of \$1.201B) to ensure the replacement
   or rehabiliation of aging watermains and
   sewers and investment in the aging water and
   wastewater facilities.
- **\$4.103B** Service Improvement projects for the implementation of water quality improvements projects, Wet Weather Flow Master Plan and to advance the Basement Flooding Protection projects in 67 chronic basement flooding areas accross the City.
- \$1.402B Growth Related projects to increase the hydraulic capacity in the Toronto Water supply system and to provide necessary servicing capacity for growing population, to install service connections for new homes and developments, and to provide for wastewater projects such as Waterfront Sanitary Servicing and Ashbridges Bay Plant Aeration Tanks.

#### 2019 2028 CAPITAL BUDGET & PLAN OVERVIEW

1,800,000 1.600.000 Carry Fwd to 2019 1,400,000 1,200,000 1,000,000 800.000 600.000 400,000 200,000 2018 2018 2019 2020 2021 2022 2023 Budget Projected Actual Staff Recommended Plan Plan Budget
■2018 Carry Forward (into 2019) Gross Expenditures 2019 Staff Recommended Capital Budget and 2020 - 2023 Capital Plan 2018 2021 2023 2019 - 2023 Total Percent Projected Budget Actual Gross Expenditures by Project Category: Health & Safety 3 998 2 953 741 11,769 3.007 2.374 1,891 19.782 0.3% Legislated 120,544 77,598 83,879 197,246 210,812 187,515 128,302 807,754 11.4% SOGR 582,232 406,855 872,870 823,888 428,623 932,227 715,382 3,751,222 52.8% Service Improvement 164,283 143,189 218,685 380,408 417,157 460,433 377,556 1,854,239 26.1% 142,558 Growth Related 75.516 61.625 86.920 127.793 140.215 168.216 665.702 9.4% Total by Project Category 946,572 713,988 797,080 1,590,086 1,703,418 1,616,768 1,391,347 7,098,699 100.0% Program Debt Target Financing: Debt Reserves/Reserve Funds 893,236 673,792 716,323 1,448,822 1,553,610 1,522,766 1,296,355 6,537,876 92.1% Development Charges 45,779 34,490 76,584 125,895 132,949 79,204 82,579 497,211 7.0% Provincial/Federal 5,000 5,000 5,000 6,000 21,000 0.3% Debt Recoverable Other Revenue 7,557 5,706 4,173 10,369 11,859 9,798 6,413 42,612 0.6% Total Financing 946,572 713,988 797,080 1,590,086 1,616,768 1,391,347 7,098,699 100.0% 1,703,418 By Status: 2018 Capital Budget & Approved Future Year (FY) Commitments 946,572 713,988 1,245,340 1,050,645 813,638 616,756 503,592 4,229,971 59.6% Changes to Approved FY Commitments 107,597 39,911 17,645 325 165,478 2.3% 497,822 262,318 2019 New/Change in Scope & FY Commitments (555.857) 430.279 665.437 1.299.999 18.3% 2020 - 2023 Capital Plan Estimates 69,251 206,698 501,865 625,437 1,403,251 19.8% 2-Year Carry Forward for Reapproval 1-Year Carry Forward to 2019 163,426 Total Gross Annual Expenditures & Plan 946,572 877.414 797,080 1,590,086 1,703,418 1,616,768 1,391,347 7,098,699 100.0% Asset Value (\$) at year-end 28.637.915 28,723,367 28,909,910 29,104,500 29,595,884 30,011,000 30,011,000 Yearly SOGR Backlog Estimate (not addressed by current plan) (37,814)(289,927)(350,811)(233,757)(170,620)(1,082,928) Accumulated Backlog Estimate (end of year) 1,490,984 1,453,170 1,163,243 812,432 578,675 408,056 408,056 5.2% 5.1% 4.0% 2.8% 2.0% 1.4% Backlog: Percentage of Asset Value (%)

Chart 1: 10-Year Capital Plan Overview

Debt Service Costs

**New Positions** 

Operating Impact on Program Costs

0

4,886

14

150

0

775

4

2.174

1.049

738

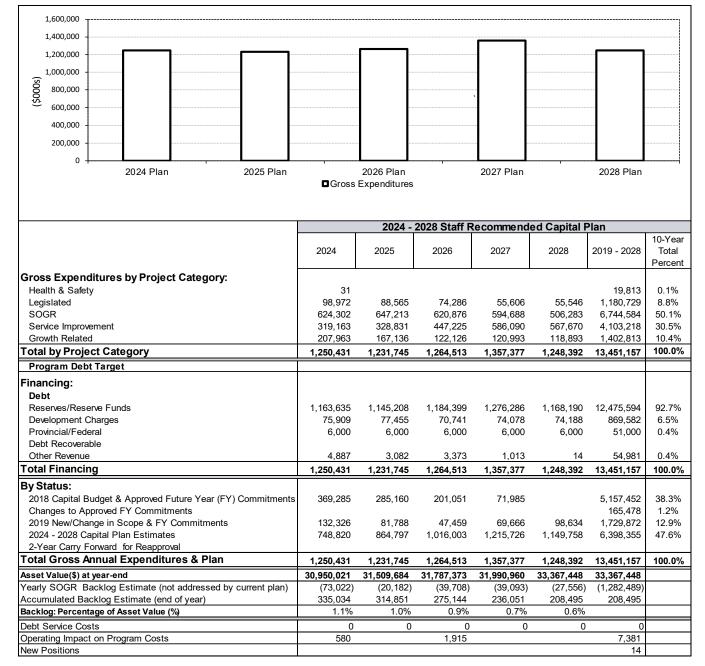


Chart 2: 10-Year Capital Plan Overview (Continued)

# Staff Recommended 10-Year Capital Plan by Project Category

Table 4: Summary of Capital Projects by Project Category

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(in \$000s)	2019 Budget	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2019 - 2028 Total	Total Project Cost
Total Expenditures by Category												
Health & Safety												
Ashbridges Bay TP	491	6,629	2,583	2,374	1,891	31					13,999	13,999
Humber TP	250	5,140	424								5,814	5,814
Sub-Total	741	11,769	3,007	2,374	1,891	31					19,813	19,813
Legislated												
Water Service Replacement	15,390	57,043	45,625	48,221	46,246	46,246	45,746	44,246	44,246	44,246	437,255	437,255
Pumping Stations	3,489	7,338	8,919	11,490	12,924	9,558	6,700	8,425	4,250		73,093	73,093
WT - Storage & Treatment Ashbridges Bay TP	125 55,907	125 117,316	125 129,560	101,068	60,016	42,764	35,719	20,615	60		375 563,025	375 563,025
Highland Creek TP	4,935		10,417	7,456	37	37	400	1,000	6,500		51,668	51,668
Humber TP	1,378		10, 111	1,100	550		100	1,000	550		5,154	5,154
RL Clark TP	2,087	700	3								2,790	2,790
Island TP	568	2,462	16,163	19,280	8,529	367					47,369	47,369
Sub-Total	83,879	197,246	210,812	187,515	128,302	98,972	88,565	74,286	55,606	55,546	1,180,729	1,180,729
State of Good Repair												
Business & Technology		79	78	80							237	237
Linear Eng	69,110	112,329	122,283	104,413	88,038	74,298	74,309	80,251	75,489	74,309	874,829	874,829
Sewer Rehabilitation	50,798	77,236	89,179	78,637	69,853	66,953	68,303	67,053	68,603	69,553	706,168	706,168
Sewer Replacement	12,332	19,458	21,086	16,012	17,469	15,100	15,000	15,000	15,000	15,000	161,457	161,457
WM Rehabilitation WM Replacement	47,901 55,424	68,171 129,525	83,054 117,014	71,180 103,704	71,560 101,130	70,460 95,000	70,360 95,000	70,260 95,000	65,460 95,000		683,766 981,797	683,766 981,797
With Replacement Water Service Replacement	55,424		7,854	103,704	101,130	95,000	95,000	95,000	95,000	95,000	981,797 21,498	21,498
Pumping Stations	1,303		7,612		7,935	7,875	6,815	4,260	3,550	4,000	60,378	60,378
Trunk Water Mains	4,542		2,360		25,300		22,150	25,975	25,925		180,193	180,193
WT - Storage & Treatment	20,445		47,276	32,227	10,712	13,737	26,385	35,830	17,155		241,438	241,438
Trunk Sewers & Pumping Stations	19,261	77,830	70,103	80,188	52,000	61,157	53,115	33,515	28,350	14,082	489,601	489,601
Ashbridges Bay TP	53,618		217,002		165,514	120,748	151,159	129,487	114,564	64,040	1,404,535	1,404,535
Highland Creek TP	9,425		32,880	35,157	43,890	24,610	26,255	18,640	13,927	14,314	258,425	258,425
Humber TP	33,649		52,590	26,529	32,487	18,057	7,585	11,235	36,360	35,000	297,168	297,168
RL Clark TP	7,950		315		200	200	200	200	200		14,697	14,697
RC Harris TP FJ Horgan TP	1,910 180		10,648 1,281	3,437 1,321	2,024 825	11,550 202	11,500 202	11,500 200	12,550 200		78,427 6,312	78,427 6,312
Island TP	4,480	17,312	8,421	7,438	8,875	3,775	725	525	475		56,701	56,701
WWF-Implementation Projects	1,567	12,828	25,109		3,665	4,000	4,000	4,000	6,000		82,750	82,750
WWF - Stream Restoration	7,283		14,349		12,420	7,295	12,665	16,460	14,395	12,805	130,958	130,958
Yards & Facility	562	769	1,733	1,275	1,485	1,485	1,485	1,485	1,485	1,485	13,249	13,249
Sub-Total	406,855	872,870	932,227	823,888	715,382	624,302	647,213	620,876	594,688	506,283	6,744,584	6,744,584
Service Improvement												
Water Meter Program (AMR)	4,605	1,680	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,285	18,285
Basement Flooding	58,406	143,565	157,987	183,371	163,152	151,264	147,986	221,612	226,263	217,001	1,670,607	1,670,607
Business & Technology	12,277	12,584	12,572	8,506	7,769	4,769	2,914	2,014	2,014		67,433	67,433
Linear Eng	954		3,075	3,735	7,125	8,975	8,475	7,975	7,975	7,975		59,264
Sewer Replacement Pumping Stations	923 188										2,748 257	2,748 257
Trunk Water Mains	50		3,327	3,333	41	92					10,411	10,411
WT - Storage & Treatment	2,247	8,945	5,521	4,061	60						20,834	20,834
Trunk Sewers & Pumping Stations	700		700		8,400		750				22,000	22,000
Ashbridges Bay TP	1,926	14,609	14,098	15,826	10,655	2,062	2,115	2,100	20,050	41,300	124,741	124,741
Highland Creek TP	9,062		15,005		24,150	29,920	48,125	44,080	25,150	29,290	262,191	262,191
Humber TP	4,179		7,849		7,500	3,500					40,375	40,375
RC Harris TP	1,029		864		700	4 044					7,746	7,746
FJ Horgan TP Island TP	213	750 2,900	2,360 3,957	540 867	760 695	1,011 650	75	650	225		5,634 10,019	5,634 10,019
WTP-Plantwide	2,149		36,828		29,174	30,609	30,825	16,710	16,515			240,260
WWF-Implementation Projects	100,951	124,013	125,573		99,892	58,674	69,252	133,640	260,870		1,345,769	1,345,769
WWF-TRCA	14,791	14,104	14,219	14,337	15,958	16,082	16,209	16,339	16,473		155,122	155,122
Yards & Facility	4,035	9,888	11,722	1,677	725	605	605	605	9,055		39,522	39,522
Sub-Total	218,685	380,408	417,157	460,433	377,556	319,163	328,831	447,225	586,090	567,670	4,103,218	4,103,218
Growth Related												
Linear Eng	531	250	150	150	150	150	150	150	150	150	1,981	1,981
New Connections	41,836	52,503	54,993	49,857	45,223	48,223	48,223	48,223	48,223	48,223	485,527	485,527
New Sewers	5,500	9,566	20,459	27,537	12,651	3,930	2,048	1,698	1,000	1,000	85,389	85,389
WM Replacement	26,925	35,723	31,982	19,712	20,505	18,040	19,000	19,000	19,000	19,000	228,887	228,887
Pumping Stations	4,312		2,068		1,050	900		_			16,133	16,133
Trunk Water Mains	6,791		17,215		17,700		9,345	35			101,120	101,120
WT - Storage & Treatment Trunk Sewers & Pumping Stations	400	165	1,000		3,000		52,400	52,200	51,900	50,000	6,165 304 530	6,165
Trunk Sewers & Pumping Stations Ashbridges Bay TP	188 50		3,545 5,300		28,150 39,000		52,400 35,350	52,200 300	51,900 200		304,530 158.950	304,530 158,950
Highland Creek TP	192				39,000	00,000	35,350	300	200		158,950	1,492
FJ Horgan TP	192	500	300	41	1						41	41
Island TP	100	700	2,300		1						6,400	6,400
Water Effeciency Plan	495		603		687	520	520	520	520	520		5,698
WWF-Implementation Projects			100	100	100	100	100				500	500
Sub-Total	86,920	127,793	140,215	142,558	168,216	207,963	167,136	122,126	120,993	118,893	1,402,813	1,402,813
Total Expenditures by Category (excluding carry												
forward from 2018)	797,080	1,590,086	1,703,418	1,616,768	1,391,347	1,250,431	1,231,745	1,264,513	1,357,377	1,248,392	13,451,157	13,451,157

#### 2019 - 2028 Key Capital Projects

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

In addition to the state of good repair projects, considerable funding is provided to support the implementation of the Wet Weather Flow Master Plan, Basement Flooding Protection Program and growth related projects. Additional financial pressures are also accommodated within the Plan as a result of updated cost estimates for Ashbridges Bay Wastewater Treatment Plant upgrades and implementation of various Trunk Sewer and Pumping Station rehabilitation projects.

Over the 10-year planning horizon, Toronto Water's Capital Plan continues to be 100% user fee funded and does not require debenture financing. The 10-Year Staff Recommended Capital Plan of \$13.451 billion will be funded primarily from the Program's reserves, representing approximately 93% or \$12.476 billion of total capital financing.

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

- The on-going state of good repair projects for linear infrastructure renewal to ensure the replacement or rehabilitation of aging watermains and sewers, and investment in the City's aging wastewater treatment facilities, are the focus of the 2019-2028 Capital Budget and Plan.
- The 10-Year Staff Recommended Capital Plan includes \$7.945 billion or 59.1% of the total funding of \$13.451 billion for new SOGR projects (including Health & Safety and Legislated projects of \$1.201 billion or 8.9%) over the next 10 years.
- The 2019-2028 Staff Recommended Capital Budget and Plan includes funding of \$563.025 million or 4.2% of total funding to meet legislated requirements governing the Ashbridges Bay Wastewater Treatment Effluent System. Another \$56.822 million or 0.4% of the total is allocated to legislated odour control projects at Highland Creek and Humber Wastewater Treatment plants.
- State of Good Repair funding included in the 10-Year Staff Recommended Capital Plan is intended to address
  Toronto Water's SOGR linear infrastructure and plant backlog, estimated at \$1.491 billion by year-end 2018,
  with the backlog projected to be effectively eliminated by year-end 2028, provided current funding allocations
  for State of Good Repair projects are maintained over the next 10 years.
- The largest state of good repair projects involving linear infrastructure are watermain (\$1.666 billion) and sewer (\$0.868 billion) rehabilitation and replacement projects. Another \$1.404 billion will be invested over the 10-year period in various state of good repair projects at the Ashbridges Bay Wastewater Treatment Plant including liquid treatment, solids and gas handling projects.
- State of Good Repair funding included in the 10-Year Staff Recommended Capital Plan is intended to address
  Toronto Water's SOGR linear infrastructure and plant backlog, estimated at \$1.491 billion by year-end 2018,
  with the backlog projected to be effectively eliminated by year-end 2028, provided current funding allocations
  for State of Good Repair projects are maintained over the next 10 years.
- Adjustments to project costing rates to align with market experience calculated through the bidding process, will require that the SOGR estimate be regularly updated.

#### Service Improvement

• Service Improvement projects account for \$4.103 million or 30.5% of total funding over the 10-year period, some of which is recovered from Development Charges.

- Approximately \$1.670 billion or 12.4% has been allocated to implement the Basement Flooding Protection projects in 67 chronic basement flooding areas across the City.
- Funding is also included for the implementation of other water quality improvement projects from the City's Wet
  Weather Flow Master Plan to reduce and ultimately eliminate the adverse impacts of polluted stormwater and
  combined sewer overflows (CSOs) that are discharged from outfalls to the City's watercourses and the
  waterfront. These projects will achieve a measurable improvement in ecosystem health of the City's
  watersheds and waterfront, and improved water quality along the City's waterfront beaches and include:
  - The Don River and Central Waterfront Trunk / Combined Sewer Outfall (CSO) project, with allocated funding of \$1.064 billion, represent 7.9% of the total 10-Year Capital Plan's expenditures.
  - The Stormwater Management End of Pipe Facilities projects totalling \$161.354 million or 1.2% of total capital funding are intended to address most of the storm sewer discharges to the waterfront and all but 9 of the 69 combined sewer overflow discharges in the City.
  - Approximately \$155.122 million or 1.2% is included in the 10-Year Capital Plan in funding contributions to the Toronto and Region Conservation Authority (TRCA) for stream restoration and erosion control projects.
- Another \$262.191 million or 1.9% has been allocated to the Highland Creek Waste Water Treatment Plant upgrades and biosolids and gas handling projects implementation.
- Toronto Water's 10-Year Capital Plan dedicates \$67.433 million for Business and Technology projects to
  upgrade reliability and connectivity of its water and wastewater treatment plant systems. This allocation
  includes funding for the Enterprise Work Management System, a multi-divisional initiative that will replace
  several legacy software applications with an enterprise solution in order to improve the coordination of daily
  maintenance activities across the four largest divisions, Parks, Forestry and Recreation, Solid Waste
  Management Services, Toronto Water and Transportation Services.

#### Growth Related

- Growth Related projects account for \$1.402 billion or 10.4% of the 10-Year Capital Plan's funding allocation.
- In addition to the New Connection Program, the largest projects in this category are the Local and Trunk
  Watermain Upgrade projects that will increase the hydraulic capacity in the Toronto Water supply system. Many
  of the Trunk Watermain projects are cost shared with the Region of York.
- The 2019-2028 Staff Recommended Capital Budget and Plan allocates funding for the New Sewer Construction (\$85.389 million) and Trunk Sewer and Pumping Station projects (\$304.583 million) including the Black Creek Sanitary Trunk Sewer, as well as New Service Connections (\$485.527 million) and Trunk Watermains (\$101.120 million) to provide the necessary servicing capacity based on projected population growth, and for the installation of service connections for new homes and developments. It also allocates funding to construct 2 new aeration tanks at the Ashbridges Bay Treatment Plant (\$157.150 million).
- Growth related projects are primarily funded by Development Charges (DC). Development Charges provide
  approximately 6.5% or \$869.582 million of financing for the 10-Year Capital Plan, excluding carry forward
  funding. The use of Development Charge funding has been maximized based on project eligibility. However the
  following should be noted:
  - As approved by City Council, most non-residential development is exempt from development charge
    payments, resulting in projected revenues that are lower than they would have been based on the
    approved project eligibility criteria.
  - Due to insufficient funding collected from Development Charges, Toronto Water will not be able to fully
    offset the costs of the growth related share for projects that are eligible for development charge funding
    incorporated in its 10-Year Capital Plan.

 Approximately \$603.4 million in project costs related to the growth component will be funded from Toronto Water's capital financing reserves, thus reducing Toronto Water's ability to address its SOGR backlog of projects at a faster rate.

# State of Good Repair (SOGR) Funding & Backlog

- At the end of 2018, the replacement value of Toronto Water's assets was estimated at \$28.638 billion incorporating both linear (watermains, sewers) and facility/plant (water treatment plants, wastewater treatment plants, pumping stations) assets.
  - Linear infrastructure assets represent approximately 74% of the total asset value at \$21.303 billion.
  - Facility/plant assets account for the remaining 26% or \$7.335 billion.
- The 2018 year-end backlog of state of good repair work for linear and plant infrastructure renewal is projected at \$1.491 billion, representing 5.2% of the asset replacement value. Approximately 55% or \$0.819 billion of the backlog relates to linear infrastructure, with the remaining 45% or \$0.645 billion representing facilities backlog.
- The linear infrastructure and facilities State of Good Repair backlog and annual renewal need estimates have been periodically updated to reflect changes in unit rates for replacement and the changing condition of the asset.
- The 10-Year Staff Recommended Capital Budget and Plan dedicates \$6.745 billion or \$675 million on average annually (excluding carryforward funding), to address state of good repair, which is anticipated to effectively eliminate the backlog by 2028.

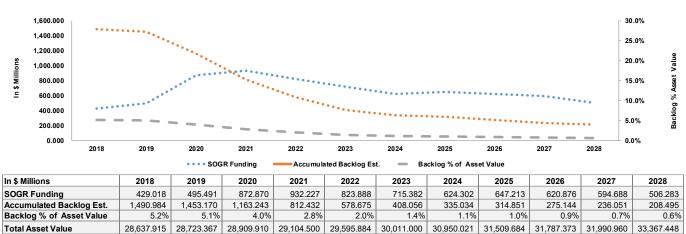


Chart 3: Total SOGR Funding & Backlog

- While both categories of assets have historically received funding for state of good repair projects, the
  accumulated backlog of projects for linear infrastructure has been addressed at a higher rate, resulting in a
  proportionally lower backlog representing 3.9% of its replacement value at the end of 2018, compared to 9.2%
  for facilities.
- Additional condition assessments of infrastructure continue to be undertaken based on asset classes through
  discrete projects. The condition assessment of booster pumping stations and sewer pipes was completed in
  2014 and has resulted in the addition of a pumping station rehabilitation plan to Toronto Water's 10 year Capital
  Plan in 2015.
- Condition assessments of sewage pumping stations continue to be undertaken on a prioritized basis and a
  facility condition assessment project is being undertaken and is expected to be completed in 2019.
- 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.
- It should be noted that continued trend of higher unit rates for linear infrastructure renewal projects may impact negatively on the state of good repair backlog for infrastructure renewal.

 Escalating unit rates for linear infrastructure renewal, due to additional funding requirement for those projects, have already resulted in a deferral of some previously planned capital projects by 1 to 5 years, to align with the funding availability projected by the Water and Wastewater Rate Model.

# **Operating Impact of Completed Capital Projects**

**Table 5: Net Operating Impact Summary** 

	2019 I	Budget	2020	Plan	2021	Plan	2022 Plan		2023 Plan	Plan	2019 - 2023		2019 - 2028	
Projects	\$000s	Positions	\$000s	<b>Positions</b>	\$000s	<b>Positions</b>	\$000s	<b>Positions</b>	\$000s	Positions	\$000s	<b>Positions</b>	\$000s	<b>Positions</b>
Previously Approved													6,001.000	13.500
Ashbridges Bay WWTP - Blower Building & Old														
North Substation Improvements			99	1.0	24						123	1.0	123	1.0
Ashbridges Bay WWTP - D Building Phase 2					250		250				500		500	
Ashbridges Bay WWTP - Disinfection System					867	2.0	120				987	2.0	987	2.0
Ashbridges Bay WWTP - Liquid Treatment &														
Handling - Integrated Pumping Station													1,700	
Ashbridges Bay WWTP - Liquid Treatment &														
Handling - Waste Activated Sludge Upgrade					(620)		1,500				880		880	
Ashbridges Bay WWTP - O & M Upgrades			70	1.0	19						89	1.0	89	1.0
Ashbridges Bay WWTP - P Building Headworks	77	1.0	304	2.0	38						419	3.0	419	3.0
Basement Flooding Releif - Group 2	61	1.0	107	1.0	18						186	2.0	186	2.0
Capital Programming & Facility Asset Planning	79	1.0	30		3						112	1.0	112	1.0
Highland Creek WWTP - Proces & Facility Upgrades	50										50		50	
Humber WTP - Gas Compressor Syatem Upgrades	50										50		50	
Humber WTP - Odour Control Engineering	77	1.0	27								104	1.0	104	1.0
Island WTP - Chemical & Residuals Management					13	0.5	89		40		142	0.5	142	0.5
Island WTP - Plantwide HVAC Upgrades			(50)								(50)		(50)	
Laboratory Equipment (Warranty Expiry)	25		35		15		50		50		175		175	
North Toronto WTP - Treatment Plant Improvements					132	1.0	50				182	1.0	182	1.0
Transmission Operations Optimizer	319	1.0	30		3						352	1.0	352	1.0
Sub-Total: Previously Approved	738	5.0	652	5.0	762	3.5	2,059		90		4,301	13.5	6,001	13.5
WT&S Plantwide - Zebra Mussel Control - Construction	1		397								397		397	
Sub-Total: New Projects - 2019			397								397		397	
WT&S Plantwide - UV Disinfection - Construction					13	0.5	115		60		188	0.5	983	0.5
Sub-Total: New Projects - Future Years					13	0.5	115		60		188	0.5	983	0.5
Total (Net)	738	5.0	1,049	5.0	775	4.0	2,174		150		4,886	14.0	7,381	14.0

The 10-Year Staff Recommended Capital Plan will increase future year Operating Budgets by \$7.381 million net over the 2019 - 2028 period.

- The 2019 Operating Budget includes an increase in operating costs for salaries, benefits, chemicals, energy, utilities, and contracted services from previously approved projects at the Ashbridges Bay, Humber and Highland Creek Wastewater Treatment plants (\$0.254 million), Transmission Operations Optimizer (0.319 million), Basement Flooding Program, Capital Asset Programming and other projects (\$0.165 million).
  - One position each (for a total of five positions) is required for maintenance of upgraded facilities at Humber and Ashbridges Bay Wastewater Treatment Plant, Basement Flooding Protection and Transmission Operations Optimizer projects, as well as capital programming and facility asset planning related to Toronto Water's Geometric Network Strategy.
- The operating costs of completed capital projects for 2020 and 2021 are projected at \$1.049 million and \$0.775 million respectively, reflecting an increase of 5 positions in 2020 and 4 positions in 2021, for the planned completion of new equipment and facilities at Ashbridges Bay and North Toronto Wastewater Treatment plants and Toronto Island Water Treatment Plant, as well as plant-wide implementation/construction of UV disinfection facilities.
  - In 2021, upgrades at Ashbridges Bay Treatment Plant (waste activated sludge) will generate savings of \$0.620 million. These savings will partially offset estimated increase in costs, resulting in a net expenditure of \$0.775 million in 2021.
- Future year operating impacts will be reviewed each year as part of the annual Operating Budget process.

CAPTOR **Position Title** Salary and Benefits \$ Amount (\$000s) **Project Delivery** Project # of **End Date** 2019 2020 2021 2022 2023 2024 - 2028 Start Date **Project Name** Number **Positions** (m/d/yr) Business System WAT906334 System Development Infrastructure Specialist/Equivivalent 04/01/2019 31/12/2021 79.2 109.2 112.5 Environmental Health Environmental Health & WAS906968 and Safety Field Safety - Construction 04/01/2019 31/12/2021 128.4 131.8 Representative 93.0 TTC Capital Water Maintenance Scarborough Subway 01/01/2020 31/12/2021 Extension Program Worker 2 Scarborough Subway Water Maintenance TTC Capital Extension Program Worker 3 01/01/2020 31/12/2021 67.3 172.3 Total 378.5 414.6

Table 6: Capital Project Delivery – New Temporary Positions

Approval of the 2019 – 2028 Staff Recommended Capital Budget and Plan will result in a requirement for 4 new temporary capital project delivery positions to implement the following projects:

- Integrated Technology Management A System Development Specialist or equivalent position at cost of \$0.079 million in 2019 (with fully annualized cost of \$0.109 million in 2020), with funding provided from capital projects, will reduce reliance on external consultants to complete the project work.
- Environmental Health and Safety An Environmental Health and Safety Field Representative position is
  recommended to manage health, safety and environmental issues related to increased construction activities at
  Ashbridges Bay at cost of \$0.093 million in 2019 (with fully annualized cost of \$0.128 million in 2020), fully
  funded from capital projects.

It is recommended that Council approve these 2 new temporary capital positions for the delivery of the above capital projects / sub-projects in 2019 and that the duration for each temporary position not exceed the life of the funding of its respective capital projects / sub-projects.

Scarborough Subway Extension –2 Water Maintenance Worker positions will be added in 2020 (0.141 million) to the previously approved team (a Senior Engineer position and an Engineer position) to undertake reviews and address water infrastructure related issues on the Scarborough Subway Extension project. These positions will be fully funded by TTC.

#### **2018 CAPITAL PERFORMANCE**

#### 2018 Project Delivery

In 2018, Toronto Water made significant progress and/or accomplished the following:

#### Water Treatment & Supply

- Approximately 27km of watermain replacement (\$51million) and 33 km of structural watermain rehabilitation (\$49 million).
- Water service replacement (\$24 million).
- Water treatment plant upgrades (\$32 million).
- Transmission watermain replacement (\$15 million).
- Reservoirs and pumping station renewals (\$24 million).
- Water Meter Program (\$3 million); Engineering Services (\$39 million); New Connections (\$35 million).

#### Wastewater Collection and Treatment

- 4 km of sewer replacement (\$15 million) and 95 km of sewer rehabilitation (\$50 million); trunk sewer rehabilitation (\$37 million).
- Ashbridges Bay Wastewater Treatment Plant Upgrades including P Building Headworks Upgrades, Disinfection System Construction, Biofilters Upgrade and Replacement, Integrated Pumping Station and Outfall projects and Ferrous Upgrades (\$103 million).

- Highland Creek Treatment Plant Upgrades including Biosolids Master Plan Implementation, Digester System Upgrades and Odour Control Upgrades (\$28 million).
- Humber Wastewater Treatment Plant Upgrades including gas compressor, HVAC, Odour Control and Secondary Treatment Upgrades (\$39 million).
- Pumping station and forcemain rehabilitation (\$8 million).
- Engineering Services (\$39 million); Business & Technology (\$8 million); Yards & Facilities (\$4 million).

#### Stormwater Management

- Wet Weather Flow Master Plan ongoing (\$80 million).
- Basement Flooding Protection Program ongoing (\$31 million).

# Status Update on Council Approved New Capital Projects in the 2018 Capital Budget

During the 2018 Budget process, Toronto Water reprioritized its capital projects based on the following factors:

- The 10-Year Capital Program was aligned with available funding as calculated by the Water and Wastewater Rate Model to ensure positive reserve balances during major capital spending years.
- Changes have also been made based on updated schedules for coordinated and sequenced delivery of projects requiring large capital funding, as well as new condition assessments.
- The 2018 Capital Budget was aligned with historical spending rates and ability to deliver future year projects.

Although new funding for variety of projects in the existing program areas of \$98.519 million was added in 2018, the above factors resulted in an overall funding reduction of \$146.796 million in the 2018 Budget compared to the funding commitments approved as part of the previously approved 2017-2026 Capital Plan. Another \$175.137 million in project cost estimates for projects anticipated to start in 2018 was deferred to future years (beyond 2018).

All approved projects in 2018 are underway with a projected year-end average spend rate of 75.4%. Toronto
Water continues to realign project costs and cash flows with actual spending through regular reporting to
Council.

#### 2018 Financial Performance

Table 7: Budget vs. Actual by Project Category

	2017			2018			2019		
			Spending			Spending	Staff Recommended	Staff Recommended	
Project Category			Rate		Projected	Rate	Capital Budget (excl.	Capital Budget (incl.	
(In \$ Millions)	Budget	Actual	%	Budget	Actual *	%	1 Yr Carry Forward)	1 Yr Carry Forward)	
Health & Safety	5.027	4.791	95.3%	3.998	2.953	73.9%	0.741	1.525	
Legislated	79.521	63.112	79.4%	120.544	77.598	64.4%	83.879	116.120	
SOGR	542.900	447.156	82.4%	582.232	428.623	73.6%	406.855	495.491	
Service Improvement	150.713	96.925	64.3%	164.283	143.189	87.2%	218.685	251.384	
Growth Related	65.373	55.330	84.6%	75.516	61.625	81.6%	86.920	95.986	
Total	843.535	667.314	79.1%	946.572	713.988	75.4%	797.080	960.506	

Note - 2018 projection based on the Q3 capital variance submission

As illustrated in the table above, the year-end projection of spend rate for 2018 is 75.4%.

- In 2018, Toronto Water experienced both minor and major project delays, through a combination of different
  factors such as extended time to address complex site conditions, operational requirements and sequencing of
  work at various plants, vendor performance issues, need to obtain legal agreements/easements and coordinate
  with third parties.
- Lower than anticipated demand for substandard water service replacement resulted in lower legislated project spending, while state of good repair project spending was mostly affected by delays in implementation of water and sewer replacement and rehabilitation projects.

• Service Improvement projects are projected to proceed ahead of schedule mostly due to the accelerated construction of the Don and Central Waterfront Phase 1 Project.

For additional information regarding the 2018 Q3 capital variances and year-end projections for Toronto Water, please refer to the attached link for the report entitled "Capital Variance Report for the Nine-Month Period Ended September 30, 2018" approved by City Council at its meeting on December 4, 5 and 6, 2018.

http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2019.CC1.8

#### Impact of the 2018 Capital Variance on the 2019 Staff Recommended Capital Budget

- As a result of the delays in the capital projects, as described in the 2018 Q3 Capital Variance Report, funding of \$163.426 million is being carried forward to the 2019 Staff Recommended Capital Budget to continue the capital work.
- A detailed review of the 2019 2028 Staff Recommended Capital Budget and Plan has been conducted and
  the necessary adjustments have been made to the timing of cash flow funding for unique and major capital
  projects such as Ashbridges Bay, Highland Creek and Humber Wastewater Treatment Plant upgrades,
  Watermain and Sewer Replacement projects, Basement Flooding and Wet Weather Flow Master Plan
  implementation projects totalling \$651.254 million in 2019.
  - By deferring the cash flow funding to future years, the 2019 Staff Recommended Capital Budget reflects readiness to proceed and will lead to a higher rate of spending.



# **ISSUES FOR DISCUSSION**

#### **ISSUES IMPACTING THE 2019 BUDGET**

# 2019 Budget Overview

#### **Operating:**

- The 2019 Staff Recommended Operating Budget for Toronto Water is \$463.869 million gross and \$1.331 billion in revenue, resulting in an \$867.368 million capital-from-current contribution. It reflects an increase of \$16.617 million or 3.7% over the 2018 Approved Budget gross expenditures of \$447.252 million and an increase of \$41.950 million or 3.3% over the 2018 Approved Capital Contribution Budget of \$842.035.
- Base pressures, which are experienced by all three services consistently, are attributable to inflationary cost increases for materials, supplies and contracted services (\$6.551 million), salaries and benefits, including progression pay and step increases (\$3.390 million), and additional costs to sustain the operations of completed capital projects (\$0.925 million). The management of the continuously increasing salary and non-salary costs remains the challenge for Toronto Water in 2019.
  - These pressures were partially offset by production costs savings and cost adjustments in the *Water Treatment and Supply and the Wastewater Collection and Treatment services* (\$0.800 million). Toronto Water also anticipates an increase in revenues and recoveries (other than sale of water) totalling \$2.812 million across all services, with another \$2.866 million from increased volume and price of water sold to the Region of York in the *Water Treatment and Supply Service*.
  - Service change options totaling \$7.285 million, consisting mostly of efficiency savings from the optimization of water and waste water utility costs (\$1.223 million), a reduction in base expenditures in materials, supplies and other non-salary costs including the reassessment of payments in lieu of taxes (\$1.890 million), as well as additional draws from capital financing reserve funds to fund the existing backlog of utility cut repairs, were able to reduce initial base pressures for 2019.
  - As a result of the recommended actions above, Toronto Water was able to actually offset all base pressures, which resulted in a \$2.091 million or 0.6% decrease over the 2018 Approved Operating Budget net expenditures.
- The new/enhanced services recommended for approval totaling \$7.985 million gross, \$5.818 million net, represent a substantial investment in the new Utility Cut Program (\$5.571 million net), as well as funding for the Chamber Adjustment Program and the addition of dedicated staff to manage insurance/risk claims, clear Ontario One Call locate tickets and provide legal services. A new bulk water fill station pilot project for mobile washing operators is also recommended. An additional 31 staff position is required for the implementation of these new/enhanced services. These services are intended to improve operational processes and ultimately result in better customer satisfaction.
- The following table shows the impact of 2019 budget changes on Toronto Water's net operating budget (when the sale of water/wastewater surcharge is excluded).

Net Operating Budget Impact: 2019 Total Operating Budget

(In \$000s)	2018 Budget	2019 Budget	Change \$	Change %
Total Budget (Including New/Enhand	ced)			
Gross Expenditures	447,251.8	463,869.0	16,617.2	3.7%
Revenue Excluding Sale of Water	90,393.2	103,248.8	12,855.5	14.2%
Total Budget Net Expenditure	356,858.6	360,620.2	3,761.6	1.1%
Sale of Water/Wastewater Surcharge	1,198,893.8	1,227,987.9	29,094.2	2.4%
Total Budget Capital Contribution	842,035.2	867,367.7	25,332.6	3.0%

#### 10-Year Capital Plan:

 The 2018 Council Approved Capital Budget for Toronto Water of \$865.221 million was focused on balancing infrastructure renewal needs for State of Good Repair with Service Improvement projects, while providing the capacity to keep pace with population growth. The year-end spending rate is projected to be 75.4% of the 2018 Capital Budget, which is lower than the 10-Year Rate Model completion target for 2018 of 85.0%.

- The unspent cash flow funding of \$163.426 million has been carried forward into 2019 to continue the capital work.
- The 2019 2028 Staff Recommended Capital Plan provides investments of \$13.451 billion to ensure the
  delivery of water supply and wastewater treatment. It continues to support the same objectives of balanced
  approach to addressing State of Good Repair together with opportunities for service improvements and
  projected population growth in an increasingly stringent regulatory framework.
- This 10-Year Staff Recommended Capital Plan reflects an increase of \$343.757 million or 2.9% in capital spending over the nine common years of the Capital Plans (2019-2027). Key changes are summarized as follows:

Increases in Previously Approved Project Costs:

- The Ashbridges Bay Wastewater Treatment Plant project costs have increased by \$198.474 million or 10.1% from \$1.961 billion to \$2.160 billion to reflect updated cost estimates based on progression of predesign or detailed design for the Integrated Pumping Station and Waste Activated Sludge construction projects and also to incorporate planned improvements to the Heating and Air Systems and East Bypass.
- Increased funding of \$138.564 or 22.6% from \$613.485 million to \$752.049 million has been allocated to the Trunk Sewers and Pumping Station projects.
- Funding for New Service Connection projects has been increased by \$83.981 million or 23.8% from \$353.323 million to \$437.304 million to provide the necessary servicing capacity based on projected population growth and for the installation of service connections for new homes and developments.
- The allocation for *the Island Water Treatment Plant* project has increased by \$39.629 million or 52.0% from \$76.185 million in capital funding to \$115.814 million to support planned facility upgrades and reflect a revised cost estimates for the Travelling Screen Replacement, HVAC Upgrades and Raw Water Intake Cleaning projects, and to incorporate required rehabilitation to the Cross Harbour Tunnel.
- Additional funding of \$37.618 million or 6.3% from \$598.997 million to \$636.615 million is required for the Sewer System Rehabilitation projects to reflect expanded sewer condition assessment activities.
- Increased funding totalling \$223.470 been allocated to a number of other projects including *Transmission Pumping Stations, Automated Meter Replacement Program, New Sewers, Water Service Replacement, RC Harris Water Treatment Plant projects and Linear Infrastructure Engineering* projects.

Deferral/ Reductions in Previously Approved Capital Projects:

- The Wet Weather Flow Stream Restoration and Implementation project funding (except for TRCA erosion control projects) has been reduced by \$102.628 million or 8.0% from \$1.290 billion to \$1.187 billion to reflect the award of the Don & Central Waterfront Trunk CSO Construction Phase 1 project under budget.
- Some of the Basement Flooding projects have been deferred or reduced by \$45.826 million or 3.1% from \$1.499 billion to \$1.454 billion based on efficiency and refinement of engineering costs required to support the delivery of the Basement Flooding Protection Program.
- The funding allocation for *Trunk Watermain projects* has been reduced by \$60.914 million or 18.6%, from \$326.988 million to \$266.074 million to reflect updates in program prioritization.
- A decrease in funding of \$59.794 million or 16.0% from \$373.305 million to \$313.511 million is anticipated for *Humber* Wastewater *Treatment capital upgrades* to reflect updated delivery timelines for the Secondary Treatment at the North Plant.
- *The Watermain Rehabilitation project* has decreased funding of \$43.777 million or 6.6%, from \$662.183 million to \$618.406 million reflecting estimated delivery timelines and priority.
- Decrease in costs totalling \$65.039 million for several projects including Sewer and Watermain Replacement projects and Highland Creek Wastewater Treatment Plant upgrades.
- Over the 2019-2028 planning period, there are also cashflow changes that reflect updated project schedules for and realignment of projects between different program areas.

• Stage gating for project delivery is regularly applied to all Toronto Water capital projects. Toronto Water also continues to monitor its expenditures throughout the year and revises projections accordingly based on the internal and external capacity to deliver. In order to improve spending rates, Toronto Water routinely realigns project costs and cash flows with actual spending through regular reporting to Council. This practice is anticipated to continue in 2019.

#### OTHER ISSUES IMPACTING THE 2019 BUDGET

# **Water Consumption Forecast**

- Over the last ten years, water consumption has continued to decline, despite population growth. Besides
  weather conditions, the decline in water consumption is attributed to water efficiency measures and economic
  factors. Toronto's water consumption has declined from 374 million cubic metres in 2005 to 327 million cubic
  metres at the end of 2015, representing a 15% reduction over the period.
- In 2016 and 2017, water consumption levels have been impacted by extreme swings in precipitation.
  - Although 2016 water consumption was projected to decline further, due to unexpectedly dry and warm summer weather conditions actual water consumption exceeded 2015 actual consumption by almost 2%. This was the first year in over a decade with an increase in water consumption.
  - In contrast, in 2017, there was a significant drop in actual water consumption compared to the same period of 2016, as a result of a cooler, wet spring and summer, with record breaking rainfall experienced during the first 5 months. The summer consumption in 2017 was the lowest in the summer months over the last 10 years 3% lower than in 2015 and 7% lower than in 2016.
- In order to mitigate the impact of irregular weather patterns that occurred in 2016 and 2017, the 2018 water consumption projections were based on the 2015 actual consumption, assuming that the 2018 and future year water consumption (2019-2027) will continue to decline at a moderate annual rate of 0.5%.
- Due to extremely warm weather during the 2018 summer months (June and July in particular), actual water consumption was higher than initially anticipated (approaching the 2015 levels for the same period, rather than 1.5% below 2015 actuals).
- Based on October's data, consumption was 0.2% lower compared to 2015 actuals for the same period. This
  indicates slow return to normalized consumption outside of the higher summer consumption caused by warm
  weather. It is estimated that 2019 consumption projections should remain at 2% below 2015 actuals, similar to
  assumptions made in previous years.

# **Operating Budget Funding & Water Rate Increases**

- Toronto Water is fully self-sustaining and does not rely on the municipal property tax levy for service delivery
  funding or borrowing/debenture financing for capital program. Operating and capital investments are funded
  from revenues generated by water and sewage rates established each year by Council and included in the
  City's By-law (Municipal Code, Chapter 849: Water and Sewage Services). Other sources of funding include
  revenue from the sale of water to York Region, industrial waste surcharges, private water agreements, service
  charges, and sundry revenue.
- In 2014, City Council endorsed the direction that Toronto Water's budgets prepared for 2015 and 2016 be premised on 8% water and wastewater consumption rate increases, followed by successive 5% increases in 2017 and 2018, followed by inflationary rate increase of 3% in the remaining years of the 10-Year Capital Plan period, in order to reinstate approximately \$1 billion in capital funding lost from a systematic decline in consumption and to fund emerging projects.
- For 2019, Toronto Water's 10 Year Capital Plan has been revised to allow Toronto Water to deliver on key priorities, while also addressing emerging service improvement and growth projects. In accordance with the project delivery schedule, an annual rate increase of 3% from 2019 to 2028 is recommended and incorporated in the 2019 Water and Wastewater Rate Model.
- The 2019 annualized water and wastewater rate increase of 3% or 3.98% effective rate, will generate an additional \$29.094 million in revenues (net of projected consumption decline of \$6.461 million in 2019).

 The following Charts show the 2019 combined water and wastewater consumption rates and the rate increase impact on average residential, as well as commercial and industrial customers, based on their average consumption.

Chart 1 - Water and Wastewater Rate Increase

Annual Consumption	Paid on or before the due date, \$/m3	Paid after the due date, \$/m3
Block 1 - All consumers of water, including the first 5,000 cubic metres per year consumed by Industrial users ("Block 1 rate")	3.9549	4.1630
Block 2 - Industrial process – use water consumption over 5,000 cubic metres per year, representing a 30% reduction from the Block 1 Rate ("Block 2 rate')	2.7684	2.9141

#### Chart 2 - 2019 Water Rate Impact

Type of Property	Average Consumption, m3/year	2018 Cost	2019 Projected Annualized Cost		e Increase pact
Residential	240	\$913	\$940	\$27	3.0%
Commercial	100,000	\$380,360	\$391,708	\$11,348	3.0%
Industrial	100,000	\$271,937	\$280,049	\$8,113	3.0%
Large Industrial	1,000,000	\$2,668,007	\$2,747,602	\$79,595	3.0%

# **Capital Financing Reserve Balances**

- Based on the above water consumption and water and wastewater rates, sufficient revenues will be generated to fund the 2019-2028 Capital Budget and Plan, leaving a positive capital financing reserve balance of \$213.3 million at the end of the 10-year period.
  - The lowest reserve balance is projected for years 2023 and 2024 at approximately \$23.3 million and \$31.9 million respectively, as some of the largest multi-year projects are nearing completion.
- The following should be noted:
  - Although the 2019 Rate Model indicates positive reserve balance at the end of the 10-year period, it is important to emphasize that the recommended 10-Year Capital Plan allocates Toronto Water's own capital reserve funding for the growth related projects totaling approximately \$603.4 million, due to insufficient development charge funding to be collected over the 10-year period (for more details please see "Planning for Growth" section below).
  - Unit rate pricing for linear infrastructure renewal has escalated in recent years, requiring additional funding to cover these increased project costs. As a result, the Program has deferred some previously planned capital projects by 1 to 5 years, to align with the Water and Wastewater Rate Model financial projections of available rate funding. This trend, if it continues, will not only significantly impact the state of good repair backlog for infrastructure renewal, but possibly create funding pressures in future years.

- Toronto Water's 10-Year Capital Plan includes forecasted funding of \$76.5 million for the expanded TRCA Watercourse Erosion Control project, to be spent between 2020 and 2028. It is assumed that 2/3 (\$51.0 million) will be funded by other orders of government. This funding has yet to be secured.
- The 10-Year Capital Plan does not include any funding for unmet need projects identified by TRCA during the 2019 Budget process.
- Should any of the above funding be added to the 10-Year Capital Plan, the 2028 year-end capital financing reserve fund balance would be significantly reduced, if not depleted.
- Also, based on the fact that the reserve balance decreases to approximately \$23.3 million in 2024, as some
  of the largest multi-year projects are nearing completion, any further decline in water consumption would
  require an adjustment to the 10-Year Capital Plan's projects.

#### **ISSUES REFERRED TO THE 2019 BUDGET PROCESS**

# **Contribution to Tree Canopy Reserve**

- At its meeting of February 12, 2018 In consideration of the 2018 Operating Budget for Parks, Forestry and Recreation, City Council approved the following Motion:
  - City Council request the General Manager, Toronto Water bring forward for Council consideration as part of
    the 2019 budget process, a one-time contribution of \$3 million to the Tree Canopy Reserve which would
    increase Toronto Water's contribution towards tree planting and maintenance from \$1.95 million to \$4.95
    million, to include funds for front lawn and boulevard sod repair and replacement after completion of
    various capital works
    - http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2018.EX31.2
- This new/enhanced business case is not recommended since the Motion refers to front lawn and boulevard sod
  repair and replacement work that is regularly performed by Toronto Water after completion of capital projects
  for which no additional funding is required.

# **Adequate Water Reserve Levels**

- As part of the 2018 Budget Process, the Budget Committee discussed and requested that the General Manager, Toronto Water, in consultation with the Chief Financial Officer, report to the Budget Committee, as part of the 2019 Budget process, on strategies to build and maintain adequate water reserve levels.
  - Toronto Water requires successive water increases to fund continued infrastructure investment and conform to the pay-as-you go financing strategy.
  - Managing positive reserve balances during major capital spending years remains to be a challenge for Toronto Water.
  - In 2019, Toronto Water's 10-Year Capital Plan has been revised to allow Toronto Water to deliver on key priorities, while also addressing emerging service improvement and growth projects. In accordance with the project delivery schedule, an annual rate increase of 3% from 2019 to 2028 is recommended and incorporated in the 2019 Water and Wastewater Rate Model.
  - Toronto Water is currently in discussions with the York Region to evaluate various pricing models and terms and conditions of the existing contract to ensure full cost recovery, fair return and reserve contribution for the shared infrastructure assets. In 2016, the Auditor General determined that since the execution of the contract in 2005, several economic and environmental factors that impact water pricing model in meeting the original business objectives have changed, including continued aging of infrastructure and changes in consumer water consumption behavior.
  - As the rapid growth in the core and mid-town are putting pressure on the existing linear infrastructure, new strategies are required to address this growth. This in particular as Toronto Water is experiencing a DC

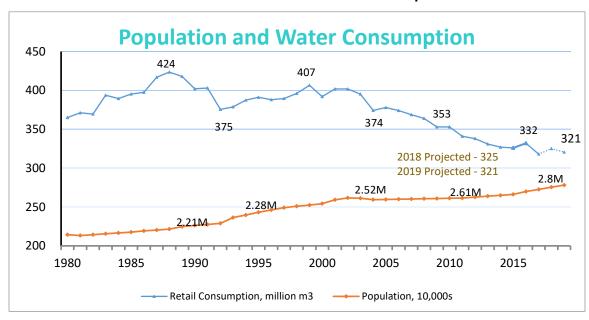
funding shortfall resulting in additional pressure on its capital financing reserves and possible deferrals in the State of Good Repair and Service Improvement programs.

 Further details have been provided throughout 2019 Budget Notes and the 2019 Water and Wastewater Consumption and Service Fees Report.

#### **ISSUES IMPACTING FUTURE YEARS**

### Impact of Lower Water Consumption Forecasts on Water and Wastewater Rate Revenues

Over the last decade, despite the increase in population, there has been a trend towards reduced water
consumption as shown in Chart 3 below. Any additional revenues generated by annual rate increases over that
period have been reduced by the steady decline in water consumption predominantly attributed to water
efficiency measures and economic factors.



**Chart 3 - Toronto Retail Water Consumption** 

- A systematic and permanent decline (October to April) in baseline water consumption of 1.5% annually on average has been recorded over the last 10 year period (2008-2017). However, in the last 5 years the average annual drop in winter consumption is closer to 1%, showing a trend of reduced decline.
- Summer consumption although more weather dependent and less indicative for planning purposes, also shows an overall reduction of about 10% over the same period, with average annual summer consumption fluctuations of over 10% in each of the last 3 years.
- Given the impact of irregular weather patterns that occurred in 2016 (a year with exceptionally high
  consumption) and in 2017 (a year with very low consumption), 2018 and 2019 consumption projections are
  based on 2015 actual consumption.
  - Toronto's water consumption to 2018 year-end is estimated at 324.8 million cubic meters, and it is 0.6% lower than 2015 actual consumption, based on the billing data to the end of October 2018.
  - 2019 consumption is projected to be 2% below 2015 actual, applying a 0.5% decrease a year.
- Similar to previous years, the 2019 Water and Wastewater Model assumes that future year consumption (2020-2028) will continue to decline by 0.5% annually.

 Additional detail on historical and forecasted water consumption and production, as well as its impact on the Toronto Water Capital Reserve is available in the 2019 Water and Wastewater Consumption Rates and Service Fees report.

## Legislative and Regulatory Compliance and Other Operating Cost Pressures

- One of the main challenges facing Toronto Water in future years will be the management of the continuously increasing costs from both, internal and external sources.
- Personnel costs and inflationary pressures related to costs for materials and supplies, electricity, chemicals and
  parts, as well as machinery and services are ongoing. In 2019 alone, non-salary inflationary increases
  approximate \$6.551 million, with additional \$3.390 million required to accommodate cost of living adjustments
  and progression and step increases. Some cost increases, hydro costs in particular) exceed the rate of
  inflation. There is also an impact of a weaker Canadian currency.
  - Toronto Water will continue to perform trials and testing to determine the optimal performance of treatment plants and pumping stations, since fluctuations in hydro costs were observed as different trials were conducted in order to stabilize hydro requirements.
  - Some of those initiatives have already resulted in significant savings in 2017 (\$5.832 million), 2018 (\$2.632 million), as well as 2019 (\$1.223 million) that assisted Toronto Water in offsetting some of other base expenditure pressures.
  - Toronto Water continues to review these additional costs together with the existing maintenance program
    and determine whether there is any opportunity for efficiencies such that these amounts can be reduced.
- As a result of frequent changes in legislative requirements and the need to comply with Provincial and Federal regulations, Toronto Water continues to experience increased operating and capital costs.
  - This is particularly challenging in terms of planning and allocating appropriate staff resources to maintain legislative compliance.
- Similarly, costs resulting from the operating impact of completed capital projects for additional parts and contracted services such as Ashbridges Bay Treatment Plant Upgrades (P Building), Humber Treatment Upgrades (Gas Compressor System and Odour Control Upgrades), Highland Creek Treatment Plant Upgrades (process and facility upgrades) and Transmission Operations Optimizer project amount to \$0.738 million in 2019. The incremental costs for maintenance of new equipment and facilities coming on-line (estimated at \$7.381 million over the next 10 years) will remain a challenge for Toronto Water.
- In addition to its own new capital assets Toronto Water will assume responsibility for operations of capital
  assets completed by other programs such as Waterfront and Metrolinx. In 2019 these cost account for \$0.185
  million, with future incremental impacts of \$0.365 million and \$0.065 million in 2020 and 2021 respectively.
- Additional resources are also required to support and maintain new technology and resulting greater reliance on proprietary technologies.

#### **Response to Severe Weather and Customer Needs**

- As a result of extreme weather conditions, cold weather in particular, Toronto Water experienced a high level of watermain breaks, leaking water services and frozen water services in 2015 (approximately 2,546 in first quarter of 2015 compared to 1,094 in 2013 and 2,607 in 2014).
- Although weather conditions in subsequent years were not as extreme, Toronto Water continues to plan for emergency situations caused by the severe weather conditions, to ensure operational resilience and minimize risk to its assets.

• In order to provide more efficient and effective response to customer demands, during extreme events in particular, Toronto Water continues to implement transformational initiatives that set the stage for further improvements planned to increase customer satisfaction. The largest initiative (Customer Care Organizational Realignment) on which Toronto Water embarked in 2017 is anticipated to be completed by June 2019. It will unify all areas providing customer service under one umbrella with improved customer service culture, technology, infrastructure and the addition of a Customer Care Center.

#### **Review of Capital Spending**

- Toronto Water's spending capacity over the previous five years, from 2013 to 2017, has averaged \$613.338 million or 81.9% for a capital budget of \$748.709 million. The above average spending rate of 95.3% and 83.5% were achieved in 2014 and 2015 respectively.
- The 2019-2028 Staff Recommended Capital Budget and Plan represents the City's largest investment in infrastructure renewal so far totaling \$13.6 Billion over 10 years. The 2019 Recommended Capital Budget of \$960.500 million (including carry forward funding of \$163.426 million) is higher than the historic 5-year average budget (\$748.709 million) by approximately 28%, however, it is in line with the 2018 Capital Budget of \$946.573 million.
- In 2019, Toronto Water will be awarding approximately \$870 million in works supporting Ashbridges Bay Wastewater Treatment Plant (ABTP): Polymer Upgrade, Phase 2 of the ABTP Integrated Pumping Station Construction, Waste Activated Sludge Upgrades; Highland Creek Wastewater Treatment Plant Phase 1 Liquid Train Repairs and Aeration System Upgrades; Multiyear Sewer System Inspection works and 2021-2023 Standalone Linear Engineering to support the linear construction program; Multi-year Standalone Watermain Replacement Construction and the initiation of the remaining Basement Flooding Environmental Assessment Studies.

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

- Toronto Water currently has a significant infrastructure renewal backlog, higher than any other major Canadian
  urban centre. It has the largest asset base in the country, estimated at \$28.561 billion with some infrastructure
  dating back to the 1800s.
- However, some of the City's oldest pipes (100 years or older) are still performing well. As Toronto Water plans
  for the renewal of aging infrastructure, a risk based mitigation approach is taken that considers infrastructure
  age, condition and performance assessment, and analysis on upsizing infrastructure, which may be required to
  service future growth, and opportunities to reduce overall costs.
- Toronto Water has undertaken some key initiatives to identify its State of Good Repair needs:
  - In 2018, Toronto Water completed an updated Watermain Breakage Reduction Study report which provides a framework for watermain renewal planning.
  - Closed camera TV (CCTV) inspection program that utilizes closed camera technology has been established to more fully assess the condition of sanitary and storm sewers.
- The projected 2018 year-end value of the infrastructure renewal backlog is estimated at \$1.491 billion, reflecting 5.2% of Toronto Water's total asset value of \$28.638 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.
- The 10-Year Capital Plan State of Good Repair funding totals \$6.744 billion that averages \$674 million annually over the 10 year period. This level of funding will contribute towards reducing the watermain and sewer break rates. If the state of good repair backlog remains unchanged, the year-end backlog of \$1.491 billion in 2018 will be effectively eliminated by the end of 2028.

- A continued trend in escalating unit rate pricing for linear infrastructure will significantly impact the state of
  good repair backlog for infrastructure renewal as project deferral is required to align with projected funding.
   These unit rates are mostly impacted by construction industry capacity to deliver projects across the City.
- The Program's State of Good Repair Backlog analysis excludes stormwater management facilities (stormwater ponds and underground storage tanks) as they are relatively new assets, as well as stream restoration from erosion scars. A condition assessment of stormwater ponds was undertaken to determine long term state of good repair requirements. Restoration of watercourses is planned on a priority basis to protect existing infrastructure and in coordination with the Toronto Region Conservation Authority based on site conditions resulting from extreme weather events.

#### **Basement Flooding**

- In April 2006, City Council approved a Basement Flooding Protection Work Plan (now referred to as the Basement Flooding Protection Program) to undertake comprehensive engineering studies in 31 basement flooding study areas that experienced significant flooding during extreme storms in May 2000 and August 2005.
- New service level standards were adopted, requiring storm drainage systems to accommodate a 1 in 100 year return frequency storm event, up from then current 1 in 2 to 1 in 5 year return frequency storm.
- Between 2006 and 2015, the number of study areas in the City was increased to 67 study areas and in response to additional storm events and new occurrences of basement flooding, City Council approved the citywide expansion of the Basement Flooding Protection Program.
- In August 2014, Council approved an expanded program management capital delivery model for the Basement Flooding Protection Program that delivers more effectively a larger number of infrastructure improvements, and meets the needs of the city-wide expansion of the Program.
- As of the end of October 2018, Basement Flooding Environmental Assessment (EA) studies for 35 Basement
  Flooding Study Areas have been completed. These EA studies investigate the causes of basement and surface
  flooding and recommend sewer system improvements to reduce the risk of future basement flooding during
  extreme storms. Another 8 studies are ongoing; of these 6 studies are to be completed in early 2019 and 2
  studies are planned for completion in 2020.
- In response to recent flooding events Toronto Water has accelerated funding for all remaining 24 study areas to begin in 2019.
- The construction of basement flooding protection projects began in 2009. Many challenges exist with the
  implementation of works recommended by the EA studies. Retrofitting an area to accommodate the higher level
  of storm drainage and overland flow controls in existing fully developed areas present the most significant
  challenge in terms of cost, scheduling and disruption to the local communities.
- By the end of 2018, it is projected that \$370 million will have been spent on construction activities and activities supporting the construction (including engineering, design, studies and flow monitoring) of the Basement Flooding Protection projects.
- The 2019 2028 Capital Budget and Plan includes \$1.671 billion in funding for Basement Flooding Protection Program projects. Despite this level of funding, Toronto Water will continue to face the following challenges:
  - A need to coordinate basement flooding projects with other City programs/works adds more complexity to the implementation of this Program.
  - Some of the recommended basement flooding protection projects from completed basement flooding EA studies have a cost that is greater than the Council adopted threshold of \$32,000 per benefitting property, and therefore these projects are not proceeding to engineering design and construction.
  - The cost to implement basement flooding protection projects across all 67 study areas need to be continuously updated, as basement flooding EA studies are completed and new works are recommended.

#### **Stream Restoration and Critical Erosion Projects**

- As a part of its Stormwater Management Program, Toronto Water provides an annual funding contribution to
  the Toronto and Region Conservation Authority (TRCA) for stream restoration and erosion control projects.
   The 2019-2028 Capital Budget and Plan allocates a total of \$155.122 million over a 10-year period, as Toronto
  Water continues to support the TRCA's efforts in watercourse management.
- Toronto Water's 2019-2028 Capital Budget and Plan also includes further funding of \$130.958 million over the
  next 10 year horizon for stream restoration and erosion management to carry out work to protect its own
  infrastructure in valley lands.

#### **Planning for Growth**

- The City of Toronto is experiencing significant growth with many landowners submitting development applications to increase the density permitted by the zoning-by-law.
- Due to phase-in of DC rate increases and DC exemptions such as those for affordable housing and most non-residential development (as approved by City Council), projected revenues that would be otherwise collected based on the approved project eligibility criteria, are discounted from \$1.487 billion to \$0.884 billion (60%) over the 10-year period.
- Remaining available DC funding was not sufficient to fund TW's 10-Year Capital Plan for growth, resulting in the following adjustments which are reflected in the 2019-2028 Recommended Capital Budget and Plan:
  - several new/change in scope and future year growth related wastewater/storm water projects have been partially or wholly funded from the rate supported capital financing reserves.
  - In total the 2019-2028 Capital Budget and Plan includes \$603.4 million in funding for growth related capital expenditures from capital financing reserves due to inadequate DC reserve availability related discounted DC collections and/or to lagged DC recovery of expenditures (which will be recovered in the future).
- A strategy is required that i) recognizes the impact of DC exemptions and phase-ins on funding availability, and
   ii) enables the program to proceed with projects where DC recoveries lag expenditures but will be available in future years.

#### **Other Challenges**

- Planning for Extreme Weather Events
  - Due to extreme cold weather events, Toronto Water experienced an unprecedented number of watermain breaks, leaking and frozen water services, not seen in 20 years, resulting in additional funding requirements in 2014 and 2015. Planning and preparing for an adequate response during extreme weather events remains to be a challenge for Toronto Water. This process is on-going.
- Impact of Transit Initiatives
  - Transit improvements across the City have had a significant impact on Toronto Water's underground infrastructure. They involve third party projects (Metrolinx, Smart Track, TTC etc.) and require additional resources.
- Need for Modernization
  - Toronto Water is investing in new technologies such as Geographic Information Systems and enhanced data management, due to an aging suite of information technology tools and databases. Toronto Water recently completed a "Technology Optimization Strategy" that highlights the increasing volume of data and use of technology within Toronto Water and the critical need for future strategic direction.

- Workforce Planning & Development
  - Hiring strategies for critical, vulnerable and hard to fill positions including on-the-job training programs, continue to present a challenge. For example, in 2018 only (January November), Toronto Water experienced 602 staffing changes involving hires (170), exits (197) and internal movements (235).
- Asset Management
  - The Municipal Asset Management Planning Regulation (Ontario Regulation 588/17) requires every municipality to prepare an asset management plan in respect of its core municipal infrastructure assets by July 1, 2021, and in respect of all other municipal infrastructure assets by July 1, 2023. This impacts Toronto Water in particular.
  - Toronto Water is participating in the preparation of the Corporate Asset Management Policy for adoption by July 1, 2019 and aligning its data framework for the development of Asset Management Plans to meet the requirements of the provincial Asset Management Regulation by July 1, 2021.

#### **Unmet Needs (S7) Prioritization**

• Toronto Water's 10-Year Capital Plan is based on the capacity to deliver (85% spending rate included for planning purposes). Toronto Water does not have any unmet needs over the next 10-year planning horizon.

#### **Unfunded Pressures in Other Budgets**

#### TRCA Unfunded Projects

- As part of the 2019 Budget Process TRCA submitted an updated list of its unmet needs totaling \$343.209 million over the 10 year period.
- Funding of the TRCA unmet meets continues to be a subject of on-going discussion and work on the further
  development of business cases/studies for each project, refinement of cost estimates and prioritization of
  needs. Only projects that are within Toronto Water's mandate will be considered eligible for water rate funding
- The largest project included in the list of unmet needs is the Scarborough Waterfront Project (SWP). The
  Scarborough Waterfront Project Environmental Assessment (EA) and Preferred Alternative has been
  completed and submitted to the Ministry of the Environment, Conservation and Parks (MECP) for formal review
  earlier this year. The estimated preliminary project costs are approximately \$172 million including additional
  costs required for post implementation and monitoring.
  - City Council authorised the TRCA to pursue in consultation with the City eligible funding program
    opportunities from other orders of government. Subject to a favorable decisions from the MECP, City
    Council also authorised the TRCA to advance to Stage 2 Work Plan and requested a report back to the
    Executive Committee with preliminary costing for all segment design and implementation.

#### Waterfront Unfunded Projects

There is approximately \$114 million in unfunded water and stormwater capital projects related to the Port Lands
Development currently shown as S7 projects in the Waterfront Budget, with further \$362.3 million anticipated
beyond 2028.

#### REPORTING ON MAJOR CAPITAL PROJECTS: STATUS UPDATE

In compliance with the Auditor General's recommendations to strengthen accountability, additional status reporting on all major capital projects is required. The following projects have been reported on a quarterly basis during 2018:

#### Rosehill Pumping Station

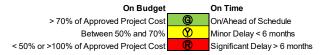
#### Project overview and Deliverables

• The City of Toronto is carrying out rehabilitation works to the Rosehill Pumping Station at 240 Mount Pleasant Road. These necessary upgrades will extend its service life and bring the infrastructure to a state of good repair. Upgrades to the pumping station, inclusive of the System Sustainability improvements will include: construction of a two-storey building addition; installation of diesel generators in the building addition to provide stand-by power for resilience; replacement of process valves: replacement of electrical, mechanical, lighting & HVAC systems; and structural and architectural refurbishment. This pumping station transmits drinking water to residents and businesses in Toronto and portions of York Region. This work will improve the aging infrastructure and ensure continued, uninterrupted production of clean drinking water for years to come.

#### Financial Update

			Life to Date	2	018	2019	2020			End	Date		
	Initial	Approved	Expenditures					Projection					
Project name	Approval	Project	as at		Year-End			To End				On	On
(In \$000s)	Date	Cost	Dec 31, 2017	Budget	Projection *	Budget	Plan	of Project	Status	Planned	Revised	Budget	Time
-	_	-		-	•			-					
Rosehill PS Rehab	Jan-15	5,812	1,239	2,890	2,294	1,464	1.197	5.812	On Track	Dec-21	Dec-21	(G	G

<sup>\* 2018</sup> year-end projection based on the Q3 capital variance



#### **Project Status**

The construction started in 2017 and is currently on-going.

#### 2019 Plan

 The 2019 schedule includes: completion of the building addition; completion of architectural work; completion of electrical, mechanical, lighting and HVAC systems replacement; and installation of diesel generator equipment.

#### **Key Project Challenges**

 Key Challenges on this retro-fit project include: integration and commissioning of the diesel generators into the pumping station; coordination of construction while the pumping station is predominantly kept operational; and coordination of periodic pumping station shut-downs.

#### Ashbridges Bay Outfall Construction

#### Project overview and Deliverables

• A new outfall is being built to improve capacity and better convey and disperse the effluent from the Ashbridges Bay Wastewater Treatment Plant (ABTP) into Lake Ontario. The new outfall will replace the 70-year old existing outfall, which has insufficient capacity and is reaching the end of its service life. The new outfall will include the construction of a 14 metres internal diameter shaft approximately 85 metres deep and a 7 metres internal diameter tunnel approximately 3.5 km long mined through rock beneath the lakebed, with fifty (50) 1 metre diameter risers (for the effluent dispersion in the lake) to be built at the last 1 kilometre of the tunnel. The new outfall will help improve the City's shoreline and beaches, meeting all regulatory standards to improve water quality in Lake Ontario.

#### Financial Update

			Life to Date	2	018	2019	2020			End	Date		
	Initial	Approved	Expenditures		V			Projection				_	_
Project name	Approval	Project	as at		Year-End			To End				On	On
(In \$000s)	Date	Cost	Dec 31, 2017	Budget	Projection *	Budget	Plan	of Project	Status	Planned	Revised	Budget	Time
Ashbridges Bay Outfall													
Construction	Jan-18	327,000	2,941	5,000	5,000	35,000	60,500	327,000	On Track	Dec-25	Dec-25	G	G

<sup>\* 2018</sup> year-end projection based on the Q3 capital variance

On Budget On Time

> 70% of Approved Project Cost
Between 50% and 70%

< 50% or >100% of Approved Project Cost
Significant Delay > 6 months
Significant Delay > 6 months

#### **Project Status**

• The construction contract was awarded in November 2018. Construction started on January 7, 2019 and is currently on-going.

#### 2019 Plan

2019 activities will include; contractor mobilization and establishment of the site; improvements to the
intersection of Leslie and Unwin; electrical connections with Toronto Hydro power supply. The following works
will also be initiated in 2019: excavation for the shaft; marine work with establishment of barge and drilling of
diffusers into the lake bed.

#### **Key Project Challenges**

• Key Project Challenges include: marine work restrictions, weather, alignment of risers with future outfall tunnel; potential unforeseen adverse ground conditions during shaft excavation and tunnel boring.

#### Don and Central Waterfront Trunk/CSO Construction – Phase 1 (Coxwell By Pass Tunnel)

#### Project overview and Deliverables

- The Don and Central Waterfront Wet Weather Flow System project is the largest and most significant water
  quality improvement undertaken in the City of Toronto. Once fully implemented, the Program will virtually
  eliminate the release of combined sewer overflows into the Lower Don River, Taylor-Massey Creek and
  Toronto's inner Harbour. It will also provide erosion and sediment control in Ashbridges Bay.
- Phase 1 of the Don and Central Waterfront project began construction in 2018 and includes the construction of the Coxwell Bypass Tunnel. This tunnel will initially serve as a bypass tunnel for the existing Coxwell Sanitary Trunk Sewer for inspection and maintenance purposes, and carry wastewater to the Ashbridges Bay Treatment Plant for treatment. Ultimately, when all phases of the Don and Central Waterfront Project are completed, the Coxwell Bypass tunnel will principally be used for the interception and conveyance of stormwater and combined sewer overflows at 12 locations to a new high rate wet weather flow treatment facility at the Ashbridges Bay Treatment Plant. The Coxwell Bypass Tunnel construction consists of a 10.5 kilometres in length, 6.3 metre diameter, concrete-lined rock tunnel, with five storage and tunnel access shafts that range in diameter from 20 to 22 metres at depths of 52 to 59 metres, and 12 small diameter connecting tunnels to drop shafts and tunnel air vents.

#### Financial Update

			Life to Date	2	018	2019	2020			End	Date		
Project name	Initial Approval	Approved Project	Expenditures as at		Year-End			Projection To End				On	On
(In \$000s)	Date	Cost	as at Dec 31, 2017	Budget	Projection *	Budget	Plan	of Project	Status	Planned	Revised	Budget	Time
								-					
Don & Waterfront Trunk/CSO Construction -												)	
PHASE 1	Jan-18	500,000	16,027	17,500	45,000	83,895	76,748	500,000	On Track	Jan-24	Jan-24	G	G

<sup>\* 2018</sup> year-end projection based on the Q3 capital variance

On Budget On Time

> 70% of Approved Project Cost
Between 50% and 70%

< 50% or >100% of Approved Project Cost
Significant Delay > 6 months
Significant Delay > 6 months

#### **Project Status**

Construction Started in mid-2018 and is currently on-going.

#### 2019 Plan

2019 activities will include; excavation of the five main shafts will continue from 2018, electrical service will be
installed by Toronto Hydro to power the Tunnel Boring Machine. The Tunnel Boring Machine is expected to be
delivered in 2019.

#### **Key Project Challenges**

The project is currently proceeding well.

#### St Clair Reservoir

#### Project overview and Deliverables

• The City of Toronto is carrying out waterproofing and structure rehabilitation work to the St. Clair Reservoir at Sir Winston Churchill Park. These necessary upgrades will help to ensure the structural integrity of the reservoir, extend its service life and bring the infrastructure to a state of good repair. This 87-year-old reservoir provides storage for drinking water and fire protection for local residents. This work will improve the aging infrastructure and ensure continued, uninterrupted production of clean drinking water for years to come.

#### Financial Update

			Life to Date	2	018	2019	2020			End	Date		
	Initial	Approved	Expenditures					Projection					
Project name	Approval	Project	as at		Year-End			To End				On	On
(In \$000s)	Date	Cost	Dec 31, 2017	Budget	Projection *	Budget	Plan	of Project	Status	Planned	Revised	Budget	Time
St. Clair Reservoir	Jan-14	27,442	16,642	6,984	6,984	5,300	3,029	27,442	On Track	Dec-21	Dec-21	G	G

<sup>\* 2018</sup> year-end projection based on the Q3 capital variance

On Budget

> 70% of Approved Project Cost

Between 50% and 70%

< 50% or >100% of Approved Project Cost

Significant Delay > 6 months

Significant Delay > 6 months

#### **Project Status**

Construction began in July 2016, and construction is currently on-going.

#### 2019 Plan

2019 activities will include substantial completion for the construction works.

#### **Key Project Challenges**

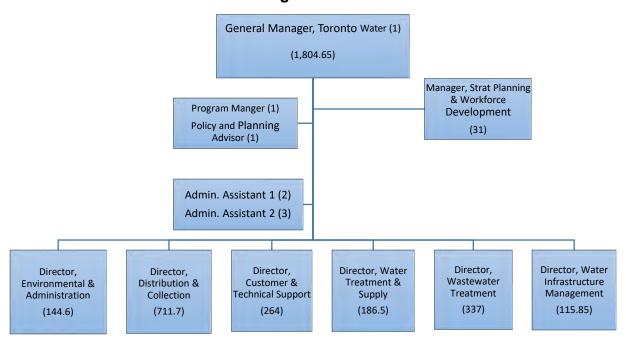
This project is proceeding well. Two pending issues in relation to public areas on top of the reservoirs including
a Dog Off Leash Area and the consideration for additional tennis courts on top of the reservoir. Resolution of
these items is pending from a December 2018 public event.



### **APPENDICES**

#### Appendix 1

#### 2019 Organization Chart



The 2019 total staff complement includes the General Manager and staff for a total 1,804.65 positions, comprising 84.4 capital positions and 1721.3 operating positions as summarized in the table below.

#### **2019 Total Complement**

	Category	Senior Management	Management with Direct Reports	Management without Direct Reports/Exempt Professional & Clerical	Union	Total
	Permanent	1.0	170.0	187.0	1,304.0	1,662.0
Operating	Temporary				59.3	59.3
	<b>Total Operating</b>	1.0	170.0	187.0	1,363.3	1,721.3
	Permanent		1.0	4.0	30.0	35.0
Capital	Temporary		5.0	9.0	35.4	49.4
	Total Capital		6.0	13.0	65.4	84.4
<b>Grand Total</b>		1.0	176.0	200.0	1,428.7	1,805.6

#### Appendix 2

#### 2019 Operating Budget by Service

#### Water Treatment and Supply

	2018		2019				Increment	al Change
(In \$000s)	Approved Budget	Base	New / Enhanced	Total Staff Recommended Budget	Char	iges	2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	%	\$	\$
TW-Water Distribution								
Gross Expenditures	88,092.9	92,051.7	4,837.4	96,889.1	8,796.2	10.0%	7,243.1	1,913.5
Revenue	275,891.7	283,735.2	1,293.2	285,028.4	9,136.6	3.3%	10,412.4	7,273.1
Capital Contribution	187,798.9	191,683.5	(3,544.2)	188,139.3	340.4	0.2%	3,169.3	5,359.6
Water Treatment								_
Gross Expenditures	102,830.4	104,440.4	40.1	104,480.4	1,650.0	1.6%	3,463.1	2,962.9
Revenue	289,562.9	301,219.2	16.1	301,235.3	11,672.4	4.0%	9,344.9	6,723.1
Capital Contribution	186,732.5	196,778.9	(24.0)	196,754.9	10,022.4	5.4%	5,881.7	3,760.2
Total								
Gross Expenditures	190,923.3	196,492.1	4,877.4	201,369.5	10,446.3	5.5%	10,706.2	4,876.4
Revenue	565,454.7	584,954.4	1,309.3	586,263.7	20,809.1	3.7%	19,757.3	13,996.2
Total Capital Contribution	374,531.4	388,462.3	(3,568.2)	384,894.2	10,362.8	2.8%	9,051.0	9,119.8
Approved Positions	748.1	779.2	18.7	797.9	49.8	6.7%	16.8	2.0

#### **Wastewater Collection and Treatment**

	2018		2019				Increment	al Change
(In \$000s)	Approved Budget	Base	New / Enhanced	Total Staff Recommended Budget	Char	nges	2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	%	\$	\$
TW-Wastewater Collection	on							
Gross Expenditures	59,268.8	59,634.2	2,582.8	62,216.9	2,948.1	5.0%	4,010.8	990.9
Revenue	180,321.3	185,592.1	695.7	186,287.8	5,966.5	3.3%	6,691.6	4,528.4
Capital Contribution	121,052.5	125,957.9	(1,887.1)	124,070.9	3,018.4	2.5%	2,680.8	3,537.5
TW-Wastewater Treatme	nt							
Gross Expenditures	166,501.6	168,926.1	42.0	168,968.1	2,466.4	1.5%	4,725.0	4,374.8
Revenue	538,539.8	553,142.6	24.8	553,167.4	14,627.6	2.7%	18,450.7	13,262.5
Capital Contribution	372,038.2	384,216.5	(17.2)	384,199.3	12,161.2	3.3%	13,725.7	8,887.7
Total								
Gross Expenditures	225,770.4	228,560.3	2,624.7	231,185.0	5,414.5	2.4%	8,735.8	5,365.7
Revenue	718,861.1	738,734.7	720.5	739,455.2	20,594.1	2.9%	25,142.2	17,790.9
<b>Total Capital Contribution</b>	493,090.6	510,174.4	(1,904.2)	508,270.2	15,179.5	3.1%	16,406.5	12,425.2
Approved Positions	875.9	860.0	10.2	870.2	(5.7)	(0.7%)	15.9	3.9

#### 2019 Operating Budget by Service -Continued

#### **Stormwater Management**

	2018		2019				Increment	al Change
(In \$000s)	Approved Budget	Base	New / Enhanced	Total Staff Recommended Budget	Chan	ges	2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	%	\$	\$
TW-Stormwater Collectio	n							
Gross Expenditures	18,788.0	19,024.8	482.7	19,507.5	719.5	3.8%	879.3	174.7
Revenue	3,439.7	3,736.9	137.6	3,874.5	434.8	12.6%	168.2	(116.2)
Capital Contribution	(15,348.3)	(15,287.8)	(345.1)	(15,633.0)	(284.7)	1.9%	(711.0)	(290.9)
TW-Stormwater Treatmen	nt							
Gross Expenditures	11,770.1	11,806.8	0.1	11,806.9	36.8	0.3%	288.9	83.5
Revenue	1,531.5	1,643.3	0.0	1,643.3	111.8	7.3%	12.2	(160.7)
Capital Contribution	(10,238.6)	(10,163.6)	(0.1)	(10,163.7)	75.0	(0.7%)	(276.7)	(244.3)
Total								
Gross Expenditures	30,558.1	30,831.6	482.8	31,314.4	756.3	2.5%	1,168.2	258.2
Revenue	4,971.2	5,380.2	137.6	5,517.8	546.6	11.0%	180.5	(277.0)
<b>Total Capital Contribution</b>	(25,586.9)	(25,451.4)	(345.2)	(25,796.6)	(209.7)	0.8%	(987.7)	(535.2)
Approved Positions	140.7	135.4	2.1	137.6	(3.1)	(2.2%)	2.4	0.0

#### **Appendix 3**

#### 2019 Service Levels

#### **Water Treatment and Supply**

Activity	Sub-Activity	Service Level Description	Status	2016	2017	2018	2019
	Service Connections	% of time operating within 276	Approved	Meeting the 40 to 100 psi requirement	99.5%	99.5%	99.50%
Water		kPA to 793 kPA requirements*	Actual	99.5%	99.5%	99.5%	n.a
Distribution	Water Distribution	# of mainbreaks per 100 km of pipe	Approved	20.8 mainbreaks per 100 km of pipe	23.1	23.1	22**
	System	-	Actual	18.9	15.4	22	n.a.
Water Treatment	Water Pumping Stations	# of kWh/ML of water pumped	Approved	In compliance with aplicable legislation	340	340	330**
			Actual	336	334	330	n.a
	Water Treatment Plants	# of non-compliance water treatment incidents	Approved	Meeting velocity and headloss design guidelines	0	0	0
		treatment incidents	Actual	0	0	0	n.a
	Water Treatment Plants Water Transmission Mains	# of transmission valve chambers	Approved	In compliance with aplicable legislation	1,500	1,500	1,500
		inspected	Actual	1,280	1,550	1,500	n.a
	Water Storage Reservoirs	# of ML of storage capacity maintained	Approved	Meeting requirements for emergency storage and fire flows (consistently maintain 24 hours of storage capacity)	1,895	1,895	1,895
	100		Actual	1,895	1,895	1,895	n.a

<sup>\*</sup> Reflects the same same service level as previously approved but expressed in the metric system units.

Overall, 2019 Service Levels for Water Treatment and Supply are consistent with the approved 2018 Service Levels for Water Treatment and Supply.

#### **Wastewater Collection and Treatment**

Activity	Sub-Activity	Service Level Description	Status	2016	2017	2018	2019
	Lateral Connection	% of sewer service line blocked requests resulting in repair or rehab	Approved	Basement flooding being reduced through capital investment	30%	30%	30%
Wastewater		(Work Orders)	Actual	35.0%	30%	33%	n.a
Collection	Wastewater Collection	mainline backups per 100km of	Approved	5.27 mainline backups per 100 km of pipe	5.27	5.27	4**
	System	pipe	Actual	4.90	3.8	4	n.a
	Solids Management	% of samples not meeting NMA	Approved	Consistently meeting compliance limits in	0%	0%	0%
		requirements	Actual	0%	0%	0%	n.a
Wastewater	Wastewater Treatment	# of non-compliance wastewater	Approved	In compliance with all applicable legislation	0	0	0
Treatment	Plants	events	Actual	3	4	0	n.a
	Wastewater Pumping	% of wastewater pumping stations	Approved	Meeting legislative compliance	100%	100%	100%
	Stations*	meeting legislative requirements	Actual	100.0%	100%	100%	n.a

<sup>\*</sup> In 2018 keyed in as Wastewater Treatment Plants Service Level instead of Wastewater Pumping Stations.

Overall, 2019 Service Levels for Wastewater Collection and Treatment are consistent with the approved 2018 Service Levels for Wastewater Collection and Treatment.

<sup>\*\*</sup> Improved actual performance resulted in the revised target for 2019.

<sup>\*\*</sup> Improved actual performance resulted in the revised target for 2019.

#### 2019 Service Levels - Continued

#### **Stormwater Management**

Activity	Sub-Activity	Service Level Description	Status	2016	2017	2018	2019
Stormwater Collection	Stormwater Collection	% of catch basins cleaned	Approved	Cost of storm pipes maintained is \$1232/km	100%	100%	100%
Collection	System		Actual	91.3%	85.89%	27%	n.a
	Stormwater Storage Facilities	# of ML of dedicated (designed) stormwater storage capacity	Approved	Meeting all Certificate of Approval requirements	1,248	1275*	1,248
	racilities	Stormwater Storage capacity	Actual	1,246	1,248	1248	n.a
	Stormwater Treatment Facilities	# of hectares of drainage area	Approved	Meeting all Certificate of Approval requirements	7,065	7,065	7,065
Stormwater	racilities	where quality control provided	Actual	6,990	6,990	7,065	n.a
Treatment	Stormwater Conveyance & Control System	% of stormwater conveyance & control systems meeting all Certificate of Approval	Approved	Meeting all Certificate of Approval requirements	100%	100%	100%
		Requirements	Actual	100.0%	100%	100%	n.a

<sup>\*</sup> The 2018 target was overstated. The 2019 target is flatlined with 2017.

Overall, 2019 Service Levels for Stormwater Management are consistent with the approved 2018 Service Levels for Stormwater Management.

#### **Chamber Adjustment Program: Service Levels**

- Commencing in 2019 Transportation Services will transfer the Chamber Adjustment Program to Toronto Water. The Program involves the rehabilitation of maintenance hole/valve and catch basin chambers to address deteriorated frames/covers and grade adjustment units to improve riding surface issues and overall structural integrity of the access chambers. It is required to ensure the state of good repair to Toronto Water assets.
- Associated approved service levels (currently maintained by Transportation Services) will be reviewed by Toronto
  Water once the Program is implemented to determine how they can be incorporated within Toronto Water's own
  services and activities and reported as appropriate with the 2020 Budget Process.

#### Appendix 4

#### **Summary of 2019 Service Changes**

			Service (	Changes			Total S	ervice Cha	nges		Increment	al Change	
	Water Tre Sup		Waste Collec		Storm Manag		\$	\$	#	2020	) Plan	2021	Plan
Description (\$000s)	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Pos.	Net	Pos.	Net	Pos.
Base Changes:													
Base Expenditure Changes													
Line By Line Review	(208.7)	(208.7)	(850.2)	(850.2)	(30.6)	(30.6)	(1,089.5)	(1,089.5)					
Payment in Lieu of Taxes Base Adjustment	(365.1)	(365.1)	(434.9)	(434.9)			(800.0)	(800.0)					
Base Revenue Changes													
Increase in Revenue from User Fees (Inflationary Factor )		(74.1)		(13.8)				(88.0)					
Increase in Contribution from Reserve Funds for Utility Cut Restoration Backlog		(1,756.0)		(2,327.7)				(4,083.6)					
Sub-Total	(573.7)	(2,403.8)	(1,285.2)	(3,626.7)	(30.6)	(30.6)	(1,889.5)	(6,061.0)					
Service Efficiencies													
Water and Wastewater Utility Efficiencies	(1,090.4)	(1,090.4)	(132.9)	(132.9)			(1,223.3)	(1,223.3)					
Sub-Total	(1,090.4)	(1,090.4)	(132.9)	(132.9)			(1,223.3)	(1,223.3)					
Total 2019 Service Changes	(1,664.1)	(3,494.2)	(1,418.1)	(3,759.6)	(30.6)	(30.6)	(3,112.8)	(7,284.4)					



## 2019 Operating Budget - Staff Recommended Service Changes Summary by Service (\$000's)

Form ID	Infrastructure and Development Services		Adjusti				
Category Equity Impact	Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
2019 Staff Re	ecommended Base Budget Before Service Changes:	457.107.3	1.329.069.3	(871.962.0)	1.774.65	(31.829.7)	(21.714.4

17196

51

EF1: Water & Wastewater Utility Efficiencies

No Impact Description:

Toronto Water's commitment to work on an Energy Optimization Plan with the goal to identify optimization opportunities and strategies to address all energy aspects of water and wastewater operations resulted in reduced electricity rates and consumption.

Some of these initiative include: (a) Load Shifting when pumping during off peak hours, maximizing reservoir and tank storage and taking advantage of the lower electricity prices at night; (b) Global adjustment days that involve the Hydro One/ IESO defined global adjustment days when the top electricity user's switch to on-site generators during a peak period; (c) Transmission Operations Optimizer program (TOO), which was launched in November 2015, optimizes pumping station operations and maximizes the use of reservoir storage to reduce peak electricity costs while maintaining supply to the distribution system and service delivery to Toronto Water customers; (d) As part of Toronto Water's Energy Optimization Plan, Toronto Water will also increase the FJ Horgan Water Treatment Plant's production volume to take advantage of its more efficient equipment, resulting from the recently completed upgrades.

In addition to hydro savings, Toronto Water anticipates reduced water costs, as a result of new equipment in some of its wastewater treatment plants enabling use of the effluent water in the treatment process, rather than potable water. Total savings from various initiatives are anticipated at \$1.223 million and have been included in Toronto Water's 2019 Operating Budget.

#### **Service Level Impact:**

The recommended reduction will have no impact on the level of service delivered by Toronto Water. It recognizes the savings and efficiencies that Toronto Water has been able to achieve through implementation of various utility conservation oriented initiatives.

#### **Equity Statement:**

The proposal has no equity impacts.

Staff Recommended Service Changes:	(1,223.3)	0.0	(1,223.3)	0.00	0.0	0.0
Total Staff Recommended Changes:	(1,090.4)	0.0	(1,090.4)	0.00	0.0	0.0
Service: TW - Water Treatment & Supply						
Total Staff Recommended Changes:	(132.9)	0.0	(132.9)	0.00	0.0	0.0
Service: TW - Wastewater Collection & Treatment	t					



# 2019 Operating Budget - Staff Recommended Service Changes Summary by Service (\$000's)

Form ID	Infractructure and Development Services		Adjustr				
Category Equity Impact	Infrastructure and Development Services  Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
Summary:							
Staff Recom	mended Service Changes:	(1,223.3)	0.0	(1,223.3)	0.00	0.0	0.0
Staff Recon	nmended Base Budget:	455,884.0	1,329,069.3	(873,185.3)	1,774.65	(31,829.7)	(21,714.4)

#### Appendix 5

#### **Summary of 2019 New / Enhanced Service Priorities**

	N	ew and E	nhanced	Services	Priorities	3		Total		In	crement	al Chang	je
New / Enhanced Service Description	Water Tr & Su		Waste Collect Treat	tion &	Storm Manag		\$	\$	Position	2020	Plan	2021	Plan
(in \$000s)	Gross	Net	Gross	Net	Gross	Net	Gross	Net	#	Net	Pos.	Net	Pos.
Enhanced Service Priorities													
Staff Initiated:													
New Solicitor for Toronto Water (IDC/IDR TO Legal Services)	57.3	57.3	51.6	51.6	5.7	5.7	114.7	114.7		26.4		3.6	
Locates Clearing Program for Transportation Services	87.8	21.5	67.2	16.5	29.1	7.1	184.1	45.1	3.0	(2.4)		6.7	
Sub-Total Staff Initiated	145.2	78.8	118.8	68.1	34.8	12.9	298.8	159.7	3.0	24.0		10.3	
Total Enhanced Services	145.2	78.8	118.8	68.1	34.8	12.9	298.8	159.7	3.0	24.0		10.3	
New Service Priorities													
Council Directed:													
Utility Cut Program	4,540.9	3,452.3	2,403.1	1,827.0	427.6	325.1	7,371.6	5,604.4	24.0	7,645.0	11.0	691.1	
Bulk Water Fill Station Pilot New Fee	0.2	(14.9)	1.4	(18.6)	0.4	0.4	2.0	(33.0)		(342.0)			
Sub-Total Council Directed	4,541.1	3,437.5	2,404.5	1,808.5	428.0	325.5	7,373.6	5,571.4	24.0	7,303.0	11.0	691.1	
Staff Initiated:													
Dedicated Risk Insurance Staff	51.9	51.9	27.7	27.7	6.9	6.9	86.5	86.5	1.0	33.0		3.2	
Toronto Water Chamber Adjustment Program	139.3		73.7		13.1		226.1		3.0				
Sub-Total Staff Initiated	191.2	51.9	101.4	27.7	20.0	6.9	312.6	86.5	4.0	33.0		3.2	
Total New Service Priorities	4,732.3	3,489.4	2,505.9	1,836.2	448.0	332.4	7,686.2	5,657.9	28.0	7,335.9	11.0	694.3	
Total 2019 New / Enhanced Services	4,877.4	3,568.2	2,624.7	1,904.2	482.8	345.2	7,985.0	5,817.6	31.0	7,360.0	11.0	704.6	



Form ID	Infrastructure and Development Services		Adjust	tments		2000 DI	
Category Equity Impact	Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
17239	B11 - Locates Clearing Program for Transportation Services						

72 No Impact Description:

Toronto Water's Locates Clearing Program currently reviews of all Locate Tickets meeting a pre-determined filter criteria with Ontario One Call (ON1Call). The review process allows Toronto Water staff to clear the tickets by determining the type and quantity of municipal assets present within a proposed excavation site. Once the assets are identified and qualified, the site marking portion of the Locate is assigned to one of two Locate Service Providers (LSP) currently under contract to Toronto Water.

Due to the lack of dedicated resources in Transportation Services, ON1Call Tickets involving Transportation Services assets have been sent automatically to one of the LSPs for both clearing and site marking, frequently resulting in site markings that are not reflective of the actual presence of the City's infrastructure.

In January 2018, a pilot program was established so that Locate Tickets containing assets owned by Transportation Services were cleared and assigned to LSPs by Toronto Water staff together with Toronto Water assets. The pilot project initially involved one Engineering Technology Technician (ETT1). Based on the additional volume of tickets processed by Toronto Water staff due to this new arrangement, it was determined that the staff demand had significantly increased, resulting in a need for 3 Engineering Technologist Technicians at cost of \$0.184 million gross, \$0.045 million net. Transportation Services will fund these positions through an Interdepartmental Charge/Recovery (IDC/IDR) to Toronto Water. This model will provide saving opportunities by reducing the costs for Transportation Services Locate contracts. Transportation Services has included approximately \$0.357 million in savings in their 2019 Staff Recommended Operating Budget to reflect this change in service delivery.

#### Service Level Impact:

The processing of Transportation Services Locate Tickets by Toronto Water staff, in conjunction with processing Locate Tickets for Toronto Water assets, allows the City to ensure control over the protection of municipally owned infrastructure. It will also improve on compliance and quality of service.

#### **Equity Statement:**

This proposal has no equity impacts.

Service: TW-Stormwater Management						
Total Staff Recommended Changes:	29.1	22.0	7.1	0.47	(0.4)	1.1
<b>Service:</b> TW-Wastewater Collection & Treatment Total Staff Recommended Changes:	67.2	50.7	16.5	1.09	(0.9)	2.4
Service: TW-Water Treatment & Supply						
Total Staff Recommended Changes:	87.8	66.4	21.5	1.43	(1.1)	3.2

Category:

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72 - Enhanced Services-Service Expansion

75 - New



Form ID	Infrastructure and Development Services		Adjust				
Category Equity Impact	Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
	Staff Recommended New/Enhanced Services:	184.1	139.1	45.1	3.00	(2.4)	6.7

17916

New Solicitor for Toronto Water (IDC/IDR to Legal Services)

#### No Impact Description:

Toronto Water is responding to growing community and regulatory pressures, including provision of key services (water supply, wastewater treatment and storm water management) to meet population growth and intensification in the downtown core and along the waterfront, as well as more stringent regulatory requirements for effluent quality, stewardship and environmental monitoring and protection (including the Safe Drinking Water Act, the Ontario Water Resources Act, Environmental Protection Act and the Environmental Assessment Act).

Key legal services are currently provided to Toronto Water through the Municipal Law section of the City's Legal Services by a team of three lawyers and partial services from a clerk. The demand for legal services, including preparation of contracts, procurement documents, legal notices and opinions, input to policy and regulatory development and review of staff reports is growing significantly. In addition, contractual agreements with third parties such as Enwave (in connection with the expansion of the Deep Lake Water Cooling system), and TRCA (waterfront and use agreements) require comprehensive time commitments and development of subject matter expertise. The demand growth for priority legal services has resulted in delays in operational needs including acquisition of priority equipment replacement parts and a need to establish service response procedures.

After reviewing the outstanding current legal service requests it was determined that the addition of a Solicitor 3 to the current team of lawyers providing services to Toronto Water will increase legal capacity to respond to these challenges. The new Solicitor 3 (Junior Lawyer) will support senior solicitors and Toronto Water's legal needs directly by performing variety of activities including development of contract templates for service agreements, reviewing background documents and preparing summaries, researching court decisions and case law and analyzing Federal and Provincial policy and regulatory requirements. Toronto Water will fund this position at cost of \$0.115 million gross and net (with an incremental impact of \$0.026 million in 2020) through an Interdepartmental Charge/Recovery (IDC/IDR) to Legal Services.

#### **Service Level Impact:**

Improved turnaround time of legal requests will allow for more efficient management of Toronto Water's staff resources. Examples include elimination of the bridging contracts or alternative procurement processes when delays are experienced in preparation of procurement documents.

#### **Equity Statement:**

This proposal has no equity impacts.

Service: TW-Stormwater Management

**Total Staff Recommended Changes:** 

5.7

0.0

5.7

0.00

1.3

0.2

Category:

Run Date: 01/16/2019 19:32:03 Page 2 of 8 71 - Operating Impact of New Capital Projects 74 - New Services

72 - Enhanced Services-Service Expansion

75 - New



Categori Equit Impa	ory by ct	Form ID
Program - Toronto Water	IIII de de la company de la co	Description and Description
Expenditure	Grand	
Revenue		Adjus
Net		ustments
Positions	A	
Net Change	2020 Plan	
Net Change   Net Change	2021 Plan	

Service: TW-Wastewater Collection & Treatment

Staff Recommended New/Enhanced Services:	Total Staff Recommended Changes:	Service: TW-Water Treatment & Supply	Total Staff Recommended Changes:
114.7	57.3		51.6
0.0	0.0		0.0
114.7	57.3		51.6
0.00	0.00		0.00
26.4	13.2		11.9
3.6	1.8		1.6

16546 B12: Dedicated Risk/Insurance Staff
74 No Impact Description:

City claims. Toronto Water's historical insurance claims data (2009 to November 2015) identified approximately 10,000 claims in the top 3 causes of loss (Sewer Back-up, Water Main Break, Sidewalk Disrepair) City wide. These claims totaled \$16.2 million representing about 70% of the total cost of all

opportunity to conduct loss control analysis and review for potential loss reductions Claims Review Group (CRG). The remaining 70% of Toronto Water claim settlements that do not reach the Claims Review Group, represent an Approximately 30% of the total cost of the claims are high-value, greater than \$50,000 losses, and these claims are reviewed regularly by the

denied or the claim settlement reduced. cost savings via the review of large value claims where, based on the analysis of the Coordinator Business Support, numerous claims were either A temporary Coordinator Business Support position was created in 2016 to provide dedicated risk/insurance functions in Toronto Water and to has proven to meet the various business needs of both Toronto Water and Insurance and Risk Management unit. The City has realized significant reduce the frequency and severity of Toronto Water Division claims while an organizational structure review is being conducted. This assignment

Business Support position. This will increase Toronto Water's staff complement by one permanent position at cost of \$0.087 million in 2019, with an Based on the above it is recommended to convert the existing temporary Coordinator Business Support position to the permanent Coordinator incremental cost of \$0.033 million in 2020.

# Service Level Impact:

claims handling, data capture and improved practices leading to a reduction in claims and improved customer service for claimants, ultimately The addition of an insurance/risk management dedicated position increases staff capacity to review large value insurance claims through improved resulting in measurable savings to the City.

# Category:



Form ID	Infrastructure and Development Services		Adjustr				
Category Equity Impact	Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
	Equity Statement:						
	This proposal has no equity impacts.						
	Service: TW-Stormwater Management						
	Total Staff Recommended Changes:	6.9	0.0	6.9	0.08	2.6	0.3
	Service: TW-Wastewater Collection & Treatment						
	Total Staff Recommended Changes:	27.7	0.0	27.7	0.32	10.5	1.0
	Service: TW-Water Treatment & Supply						
	Total Staff Recommended Changes:	51.9	0.0	51.9	0.60	19.8	1.9
	Staff Recommended New/Enhanced Services:	86.5	0.0	86.5	1.00	33.0	3.2

17833

**Utility Cut Program** 

No Impact Description:

Recommended funding for the Utility Cut Program addresses resources required to implement a transfer of responsibility for the permanent restoration of utility cuts from Transportation Services to Toronto Water. This transfer is result of the changes to the Municipal Consent Requirements approved by Council in May 2018.

The first construction contracts for permanent restoration will commence in spring of 2019 and will include approximately 6 months of work resulting from the 2018 construction season.

The staffing plan will be carried out in three phases with a gradual increase in positions from 9 positions in 2018 (already in place through a delegated authority to be converted to permanent positions in 2019), to 24 positions in 2019 and 35 in 2020, subject to further review of the staffing needs and program adjustment, if required.

The total staff complement of 24 positions being recommended in 2019 includes: one Senior Engineer, one Senior Project Manager; two Supervisor Contract Services, two Inspection Coordinator, 12 Inspector Municipal Construction (eight permanent and four temporary), one Contract Coordinator, one Research Analyst 1, and four Engineering Technologist Technical 1.

In addition to staffing costs for the 24 new positions, funding of \$1.2 million is recommended for one-time costs to purchase office furniture, additional computing devices including field devices and the purchase of 24 new vehicles.

The estimated cost of the Program in 2019 is \$7.372 million gross, \$5.604 million net, with an incremental impact of \$7.645 million net and addition of 11 positions in 2020, for a total cost of \$16.095 million gross, \$13.249 million net.

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#### Category:

72 - Enhanced Services-Service Expansion

75 - New

Run Date: 01/16/2019 19:32:03



Form ID	Infractructure and Davidonment Services		Adjust				
Sategory Equity Impact	Infrastructure and Development Services  Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change

It is recommended that Toronto Water reports through the 2020 Budget process on the implementation progress of the Utility Cut Program transfer, including costs and benefits.

#### **Service Level Impact:**

Toronto Water plans to improve the current service level by shortening the time to complete the permanent cut repair resulting in less construction time thereby reducing the level of traffic congestion and impact on the general public, the number of pot holes and trip hazards caused by temporary repairs, as well as backlog of permanent restoration work. As a result it is anticipated that approximately 8,500 cuts will be delivered annually, an increase of 3,650 locations per year compared to the current service level. This will ultimately increase customer satisfaction.

#### **Equity Statement:**

This proposal has no equity impacts.

Service: TW-Stormwater Management	427.6	102.5	325.1	1.39	443.4	40.1
Service: TW-Wastewater Collection & Treatment						
Total Staff Recommended Changes:	2,403.1	576.1	1,827.0	7.82	2,492.3	225.3

	,	,	,	
Service: TW-Water Treatment & Supply				

Total Staff Recommended Changes:	4,540.9	1,088.6	3,452.3	14.78	4,709.3	425.7
<u> </u>						

Staff Recommended New/Enhanced Services:	7,371.6	1,767.2	5,604.4	24.00	7,645.0	691.1

Toronto Water Chamber Adjustment Program

74 No Impact Description:

The Chamber Adjustment Program will be transferred from Transportation Services to Toronto Water commencing in 2019. This program involves the rehabilitation of maintenance hole/valve and catch basin chambers to address deteriorated frames/covers and grade adjustment units to improve riding surface issues and overall structural integrity of the access chambers.

Approximately 2,000 chamber adjustments are expected to be carried out annually. Funding for three positions (2 Inspector Municipal Construction and one Engineering Technologist Technician 1) is recommended to support and administer the delivery of the program. There will be approximately 1000 locations assigned to each inspector to generate tender estimates during winter months and inspect construction during the summer months. The Engineering Technologist Technician 1 will assist in tender creation and provide technical and administrative support to execute the construction contracts.

#### Category:



Category Form ID Equity Impact

Program - Toronto Water	Infractricture and Development Concines
Gross Expenditure	
Revenue	Adjustmen
Net	ments
Approved Positions	
2020 Plan Net Change	
2021 Plan Net Change	

from Toronto Water's capital projects. The total cost of the program is estimated at \$0.226 million in 2019 with an incremental cost of \$0.084 million in 2020, which will be fully recovered

# Service Level Impact:

the state of good repair of Toronto Water's assets is maintained The Chamber Rehabilitation Program will minimize future property damage claims resulting from chambers that have deteriorated and ensure that

# Equity Statement:

This proposal has no equity impacts

Corvice: TW\_Storm

Total Staff Recommended Changes:	13.1	13.1	0.0	0.17	0.0	(0.0
Total Staff Recommended Changes:	13.1	13.1	0.0	0.17	0.0	
Service: TW-Wastewater Collection & Treatment						
Total Staff Recommended Changes:	73.7	73.7	0.0	0.98	0.0	

**Service:** TW-Water Treatment & Supply

Staff Recommended New/Enhanced Services:	Total Staff Recommended Changes:
226.1	139.3
226.1	139.3
0.0	0.0
3.00	1.85
0.0	(0.0)
(0.0)	(0.0)

18701

**Bulk Water Fill Station Pilot** 

# 75 No Impact Description:

water is purchased from bulk water fill stations outside of the City but used within Toronto's boundaries, those consumers are not paying the City for the treatment of that water when it flows into the City's sanitary sewer infrastructure and wastewater treatments plants Many neighbouring GTA municipalities provide bulk water fill station services for their business sector customers. Currently, the City does not. When

potential threats to the drinking water supply due to the lack of a backflow prevention device associated with the illegal connection. concern resulting in the following: lost revenue from unmetered water; damaged hydrants; lost pressure from hydrants for fire suppression and Within City boundaries, the City has a total of 41,398 hydrants and water theft from illegal, unmetered connections to those hydrants is a significant

project and seek City Council authority to charge a bulk water fee of \$3.96 per cubic metre (Block 1 Water Rate). This provides mobile washers and Based on extensive stake holder consultations, indicating support for the need for bulk water stations, Toronto Water proposes to conduct a pilot pilot project are provided in the 2019 Water and Wastewater Consumption Rates and Service Fees report. other bulk water haulers a viable option to obtain wash water in bulk within the City of Toronto and prevents illegal practices. Further details of this

# Category:

71 - Operating Impact of New Capital Projects 72 - Enhanced Services-Service Expansion

75 - New 74 - New Services

Run Date: 01/16/2019 19:32:03



Form ID	Infrastructure and Development Services		Adjus	tments			
Category Equity Impact	Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change

An estimated \$300,000 in capital funds is required for the installation of a bulk water fill station (including site preparation, purchase, water connection, etc.). Required funding is included in the 2019-2028 Staff Recommended Capital Budget and Plan for Toronto Water. It is expected that capital works will be completed sometime later in 2019, as it will take time for the procurement process and subsequent assembly and installation of the station itself.

Annual operating costs of approximately \$25,000 will be required to operate and maintain bulk water fill station. It is anticipated that the bulk water fee will generate, if a City-wide network of bulk water fill stations are constructed, approximately \$400,000 in annual revenues from the sale of bulk water. These revenues are intended to reduce revenue loss currently experienced by Toronto Water due to practices like unauthorized hook-ups to fire hydrants. The 2019 Staff Recommended Operating Budget for Toronto Water includes initial operating costs (\$2,000) and revenues (\$35,000) estimated for 2019, with fully annualized impact in 2020.

It is recommended that Toronto Water report back to the Infrastructure and Environment Committee on the outcome of the pilot project once completed.

#### **Service Level Impact:**

This pilot project will minimize/eliminate illegal accessing of hydrants and water theft as well as hydrant damages and associated repair costs. It will also protect drinking water from possible water contamination (caused by backflow). A good customer service will be provided as users have expressed need for stations.

#### **Equity Statement:**

This proposal has no equity impacts.

Staff Recommended New/Enhanced Services:	2.0	35.0	(33.0)	0.00	(342.0)	0.0
Total Staff Recommended Changes:	0.2	15.1	(14.9)	0.00	(154.6)	0.0
Service: TW-Water Treatment & Supply						
Total Staff Recommended Changes:	1.4	20.0	(18.6)	0.00	(192.0)	0.0
Service: TW-Wastewater Collection & Treatment						
Total Staff Recommended Changes:	0.4	0.0	0.4	0.00	4.6	0.0
Service: TW-Stormwater Management						

Run Date: 01/16/2019 19:32:03

Category:

71 - Operating Impact of New Capital Projects 74 - New Services

72 - Enhanced Services-Service Expansion

75 - New



#### **Summary:**

Form ID	Infractive turn and Davidsonment Comings		Adjustn	nents			
Category Equity Impact	Infrastructure and Development Services  Program - Toronto Water	Gross Expenditure	Revenue	Net	Approved Positions	2020 Plan Net Change	2021 Plan Net Change
Staff Recomm	mended New / Enhanced Services:	7,985.0	2,167.4	5,817.6	31.00	7,360.0	704.6

75 - New

#### Appendix 6

#### 2019 User Fee Rate Changes

Table 6a
User Fees Adjusted for Inflation and Other - Water

				2018	201	19	2020	2021
Rate Description	Service	Fee Category	Fee Basis	Approved Rate	Inflationary Adjusted Rate	Budget Rate	Plan Rate	Plan Rate
Installing 19 mm New Residential			Flat fee					
Water Service and Meter	Water Service	Full Cost Recovery	per connectio n	\$4,600.00	\$4,729.72	\$4,729.72	\$4,729.72	\$4,729.72
Installing 25 mm New Residential	GCIVICC	recovery	Flat fee	ψ4,000.00	ψ+,129.12	ψ+,123.12	ψ4,123.12	ψ+,123.12
Water Service and Meter	Water Service	Full Cost Recovery	connectio	\$5,330.00	\$5,480.30	\$5,480.30	\$5,480.30	\$5,480.30
Disconnection Fee for any residential water service less than or equal to 25	Water	Full Cost	Flat fee per disconnect					
Metered water provided to construction sites	Service  Water Service	Recovery  City Policy	ion Consumpti on per cubic metre	\$1,360.00 Block 1 Water Rate	\$1,398.35 Block 1 Water Rate	\$1,398.35 Block 1 Water Rate	\$1,398.35 Block 1 Water Rate	\$1,398.35 Block 1 Water Rate
Fire hydrant Permit	Water Service	Full Cost Recovery	Flat Fee	\$172.31	\$177.16	\$177.16	\$177.16	\$177.16
Water meter accuracy test; Meter less than or equal to 50mm - No Chamber - applied if meter does not over- register	Water Service	Full Cost Recovery	Flat Fee	\$172.31	\$177.16	\$177.16	\$177.16	\$177.16
Water turn off fee for demolition; (disconnection of old water service not included)	Water Service	Full Cost Recovery	Flat Fee	\$86.10	\$88.52	\$88.52	\$88.52	\$88.52
Cost of water consumption from last water meter reading to the date of disconnection of service	Water Service	Full Cost Recovery	Per cubic metre	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate
Water Turn-off or Turn-on	Water Service	Full Cost Recovery	Each Turn-off or Turn-on	\$86.10	\$88.52	\$88.52	\$88.52	\$88.52
Single Service call Turn-off and Turn-on within 30 min	Water Service	Full Cost Recovery	Turn-off and Turn- on Service within 30 min	\$86.10	\$88.52	\$88.52	\$88.52	\$88.52

Table 6a
User Fees Adjusted for Inflation and Other - Water

				2018	201	19	2020	2021
Rate Description	Service	Fee Category	Fee Basis	Approved Rate	Inflationary Adjusted Rate	Budget Rate	Plan Rate	Plan Rate
Conduct fire hydrant flow test	Water Service	Full Cost Recovery	Per Flow Test	\$287.23	\$295.32	\$295.32	295.32	295.32
Unmetered water from each unmetered hydrant- less than or equal to 50 cubic metre	Water Service	City Policy	Per 50 cubic metre	50 cubic metre @ Block 1 Water Rate	50 cubic metre @ Block 1 Water Rate	50 cubic metre @ Block 1 Water Rate	50 cubic metre @ Block 1 Water Rate	50 cubic metre @ Block 1 Water Rate
Metered water received at hydrant	Water Service	Full Cost Recovery	Per cubic meter of water	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate
Unregistered water each day order not complied	Water Service	Full Cost Recovery	Flat Rate	\$57.40	\$59.01	\$59.01	\$59.01	\$59.01
Annual Seasonal Meter Activation Fee: includes replacement, removal of water meter; 1 turn on, 1 turn off	Water Service	Full Cost Recovery	Flat Fee	\$220.94	\$227.17	\$227.17	\$227.17	\$227.17
Unmetered water - general or use of non-City supplied meter	Water Service	Full Cost Recovery	Estimated consumpti on per cubic meter	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate	Block 1 Water Rate
Reuse of residential water service 19 mm to 25 mm	Water Service	Full Cost Recovery	Per Service to be reused	\$287.00	\$295.09	\$295.09	\$295.09	\$295.09
Administrative fee to reflect a change in ownership on an existing utility account	Water Service	Full Cost Recovery	Per ownership change	\$38.42	\$39.19	\$39.19	\$39.19	\$39.19
Water Special/Final Reading	Water Service	Full Cost Recovery	Per Customer Request	\$16.46	\$16.79	\$16.79	\$16.79	\$16.79
Water Consumption Statements	Water Service	Full Cost Recovery	For One Year	\$43.92	\$44.80	\$44.80	\$44.80	\$44.80
Water Consumption Statements	Water Service	Full Cost Recovery	For each subseque nt year	\$27.45	\$28.00	\$28.00	\$28.00	\$28.00
Water Collection Field Visit	Water Service	Full Cost Recovery	Per Field Visit	\$27.45	\$28.00	\$28.00	\$28.00	\$28.00
Administration of MECP Municipal drinking Water Licensing Program	Water Service	Full Cost Recovery	per application	\$2,598.05	\$2,671.31	\$2,671.31	\$2,671.31	\$2,671.31

Table 6a
User Fees Adjusted for Inflation and Other - Water

				2018	201	٥	2020	2021
				2010	Inflationary	<u> </u>	2020	2021
Rate Description	Service	Fee Category	Fee Basis	Approved Rate	Adjusted Rate	Budget Rate	Plan Rate	Plan Rate
Fee for lost or								
damaged automated meter reading	Revenues - Operational	Full Cost	per					
transmitter	Support	Recovery	location	\$97.00	\$99.73	\$99.73	\$99.73	\$99.73
Manual water meter reading fee for consumers with water meters refusing installation of a new water meter and associated meter	Revenues - Operational	Full Cost					·	·
reading equipment Flat rate legacy fee,	Support	Recovery	per visit	\$88.05	\$90.53	\$90.53	\$90.53	\$90.53
in addition to any existing water and wastewater flat rates charged for residential flat rate consumers who refuse the installation of an automatic water meter and associated meter	Revenues - Operational	Full Cost						
reading equipment	Support	Recovery	per year	\$1,174.45	\$1,207.56	\$1,207.56	\$1,207.56	\$1,207.56
Processing annual water supply backflow prevention device testing reports	Water Service	Full Cost Recovery	per report	\$53.54	\$55.05	\$55.05	\$55.05	\$55.05
Water Service Upgrade Fee - Lead Water Service		,	,	, , , , , , , , , , , , , , , , , , ,	755.50	+ 33.33	733.30	+35.55
Replacement Programs (19 mm to 25 mm upgrade	Revenues - Distribution &	Full Cost	Flat fee per connectio					
only)	Collection	Recovery	n	\$523.00	\$537.74	\$537.74	\$537.74	\$537.74

#### Table 6a -Continued

#### **User Fees Adjusted for Inflation and Other - Wastewater**

				2018	20	2019		2021
Rate Description	Service	Fee Category	Fee Basis	Approved Rate	Inflationary Adjusted Rate	Budget Rate	Plan Rate	Plan Rate
Sewer Surcharge on private water	Wastewater Service	Full Cost Recovery	Per Cubic Meter	57% of Block 1 Water Rate				
To install new residential sanitary sewer service connection in road allowance	Wastewater Service	Full Cost Recovery	Per Installation	\$11,506.00	\$11,830.46	\$11,830.46	\$11,830.46	\$11,830.46
To install new residential storm sewer service connection in road allowance	Wastewater Service	Full Cost Recovery	Per Installation	\$11,506.00	\$11,830.46	\$11,830.46	\$11,830.46	\$11,830.46
To disconnect residential sanitary sewer service connection in road allowance	Wastewater Service	Full Cost Recovery	Per Disconnect ion	\$1,420.00	\$1,460.04	\$1,460.04	\$1,460.04	\$1,460.04
Inspection fee for the reuse of residential City sewer connection up to 150 mm in diameter	Wastewater Service	Full Cost Recovery	Per service to be reused	\$575.20	\$591.42	\$591.42	\$591.42	\$591.42
Technical Review by Toronto Water staff - Application to Toronto Water for exemption to permit the construction of a driveway sloped downwards towards a residential building.	Wastewater Service	Full Cost Recovery	Per application	\$1,724.00	\$1,772.61	\$1,772.61	\$1,772.61	\$1,772.61
Technical Review by Toronto Water staff - Application to Toronto Water for new connection or change or alteration to the existing storm connection, sanitary or water supply connection	Wastewater Service	Full Cost Recovery	Per application	\$344.58 minimum fee; additional \$85.00/hour for each hour after 4 hours to a maximum of \$1,724.00	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hou r for each hour after 4 hours to a maximum of \$1,772.61

#### Table 6a -Continued

#### **User Fees Adjusted for Inflation and Other - Wastewater**

				2018	2019		2020	2021
Rate Description	Service	Fee Category	Fee Basis	Approved Rate	Inflationary Adjusted Rate	Budget Rate	Plan Rate	Plan Rate
Technical Review by Toronto Water staff - Application to Toronto Water for request to encroach within a City permanent or temporary easement (related to City water and sewer infrastructure)	Wastewater Service	Full Cost Recovery	Per application	\$344.58 minimum fee; additional \$85.00/hour for each hour after 4 hours to a maximum of \$1,724.00	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hou r for each hour after 4 hours to a maximum of \$1,772.61
Technical Review by Toronto Water staff - Application to Toronto Water for request to release from title a City easement (related to City water and sewer infrastructure)	Wastewater Service	Full Cost Recovery	Per application	\$344.58 minimum fee; additional \$85.00/hour for each hour after 4 hours to a maximum of \$1,724.00	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hour for each hour after 4 hours to a maximum of \$1,772.61	\$354.29 minimum fee; additional \$87.39/hou r for each hour after 4 hours to a maximum of \$1,772.61
Initial fee for establishment of new industrial waste surcharge agreement Record search for Sewers by-law and water supply by-law compliance violation	Wastewater Service Wastewater Service	Full Cost Recovery	Per agreement Per address or per water account	\$884.02 \$104.58	\$908.95 \$107.53	\$908.95 \$107.53	\$908.95 \$107.53	\$908.95 \$107.53

Table 6a - Continued

				2018	2019		2020	2021
Rate Description	Water & Wastewater Consumption Rates	Fee Category	Fee Basis	Approved Rate	Other Adjustments	Budget Rate	Plan Rate	Plan Rate
Block 1 Domestic - Use General Water Service Rate Applicable to all consumers of water, including the first 5,000 cubic metres per year (m3/per year) consumed by industrial users	Metered Water Consumers	Full Cost Recovery	Per cubic metre - (\$/m3)	\$3.80	\$0.15	\$3.95	\$3.95	\$3.95
Block 2 - Industrial Process - Use Service Rate - Applicable to industrial process use for eligible property or portions of property and is applicable to volume of water consumed over 5,000 cubic metres per year (m3/per year) of such use	Metered Water Consumers	Full Cost Recovery	Per cubic metre - (\$/m3)	\$2.66	\$0.11	\$2.77	\$2.77	\$2.77
Dwelling house rate	Flat Rate Residential Consumers - Former City of Toronto	Full Cost Recovery	Per Room; Per Annum	\$56.50	\$2.25	\$58.75	\$58.75	\$58.75
Rooming house rate	Flat Rate Residential Consumers - Former City of Toronto	Full Cost Recovery	Per Room, Per Annum	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
Basins	Flat Rate Residential Consumers - Former City of Toronto	Full Cost Recovery	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
Baths	Flat Rate Residential Consumers - Former City of Toronto	City Policy	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
Bidets	Flat Rate Residential Consumers - Former City of Toronto	Full Cost Recovery	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
Saunas connected to water or drains	Flat Rate Residential Consumers - Former City of Toronto	Full Cost Recovery	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61

Table 6a - Continued

				2018	2019		2020	2021
	Water &							
	Wastewater Consumption	Fee	Fee	Approved	Other	Budget	Plan	Plan
Rate Description	Rates	Category	Basis	Rate	Adjustments	Rate	Rate	Rate
	Flat Rate		Not		_			
	Residential		attached					
	Consumers -	<b>5</b> 11 <b>0</b> 1	to bath					
Shower baths	Former City of Toronto	Full Cost Recovery	tub - Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
SHOWEI Datiis	Flat Rate	Recovery	Lacii	\$109.20	φ4.55	φ113.01	φ113.01	φ113.01
	Residential							
	Consumers -							
	Former City of	Full Cost	Sinks -					
Sinks	Toronto	Recovery	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
	Flat Rate							
	Residential		Self-					
	Consumers - Former City of	Full Cost	acting -					
Urinals	Toronto	Recovery	Each	\$129.81	\$5.17	\$134.98	\$134.98	\$134.98
	Flat Rate			¥ 1	75	7.0	¥ 10 1100	*
	Residential							
	Consumers -		Self					
W-4 Ol4-	Former City of	Full Cost	Acting -	<b>#474.40</b>	<b>#</b> 0.04	<b>#404.40</b>	<b>#404.40</b>	<b>#404.40</b>
Water Closets	Toronto	Recovery	Each	\$174.46	\$6.94	\$181.40	\$181.40	\$181.40
	Flat Rate Residential		For pair					
	Consumers -		of tubs					
	Former City of	Full Cost	(in one					
Laundry Tubs	Toronto	Recovery	fixture)	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
	Flat Rate		For					
	Residential		single or					
	Consumers - Former City of	Full Cost	additiona I tub -					
Laundry Tubs	Toronto	Recovery	Each	\$64.94	\$2.58	\$67.52	\$67.52	\$67.52
Edulary Tubo	Flat Rate	recevery	Luon	φο 1.0 1	Ψ2.00	ψ01.02	ψ01.02	ψ07.02
	Residential							
	Consumers -							
	Former City of	Full Cost					****	****
Washing Machine	Toronto	Recovery	Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.61
Factories, office buildings, stores,	Flat Rate Non- Residential							
garages, warehouses	Consumers -		Per Flat -					
and similar places of	Former City of	Full Cost	Per					
business	Toronto	Recovery	Annum	\$174.34	\$6.94	\$181.28	\$181.28	\$181.28
Private hospitals, rest	Flat Rate Non-							
homes, schools,	Residential		D					
fraternity houses, clubs, hotels and	Consumers - Former City of	Full Cost	Per room - Per					
similar places	Toronto	Recovery	- Per Annum	\$99.17	\$3.95	\$103.12	\$103.12	\$103.12
Sirmai piacoo	Flat Rate Non-	710001019	, unidili	ψ55.17	Ψ0.55	ψ100.12	ψ100.12	ψ100.12
	Residential							
	Consumers -							
<b>.</b> .	Former City of	Full Cost		40.47.00	***	#00= 0 <i>:</i>	#00= 0 <i>i</i>	4005.01
Basins	Toronto	Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.64

Table 6a - Continued

				2018	2019	2020	2021	
Rate Description	Water & Wastewater Consumption Rates	Fee Category	Fee Basis	Approved Rate	Other Adjustments	Budget Rate	Plan Rate	Plan Rate
•	Flat Rate Non- Residential				•			
3aths	Consumers - Former City of Toronto	Full Cost Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
Bidets	Flat Rate Non- Residential Consumers - Former City of Toronto	Full Cost	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
Saunas connected to	Flat Rate Non- Residential Consumers - Former City of	Recovery Full Cost	Eacii	\$217.00	ф0.04	φ223.04	φ223.04	φ223.0
water or drains	Toronto Flat Rate Non- Residential Consumers -	Recovery	Not attached to bath	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
Shower Baths	Former City of Toronto	Full Cost Recovery	tub - Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
	Flat Rate Non- Residential Consumers - Former City of	Full Cost						
Sinks	Toronto Flat Rate Non- Residential Consumers - Former City of	Recovery Full Cost	Self- acting -	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
Jrinals	Toronto Flat Rate Non- Residential Consumers - Former City of	Full Cost	Self Acting -	\$259.39	\$10.32	\$269.71	\$269.71	\$269.7
Water Closets  Laundry Tubs	Toronto Flat Rate Non- Residential Consumers - Former City of Toronto	Full Cost Recovery	For pair of tubs (in one fixture)	\$346.99 \$217.00	\$13.81 \$8.64	\$360.80 \$225.64	\$225.64	\$360.8 \$225.6
_aundry Tubs	Flat Rate Non- Residential Consumers - Former City of Toronto	Full Cost Recovery	For single or additiona I tub - Each	\$109.26	\$4.35	\$113.61	\$113.61	\$113.6
Washing Machines	Flat Rate Non- Residential Consumers - Former City of Toronto	Full Cost Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.6
Baptistries	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each	\$73.31	\$2.92	\$76.23	\$76.23	\$76.2

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Table 6a - Continued

				2018	2019		2020	2021
Rate Description	Water & Wastewater Consumption Rates	Fee Category	Fee Basis	Approved Rate	Other Adjustments	Budget Rate	Plan Rate	Plan Rate
	Flat Rate							
Barber shop or beauty parlour	Consumers - Former City of Toronto	Full Cost Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.64
Church buildings used as a place of worship	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each for any such fixture in a church building so used coming within rows 18- 30	Variable		Variable	Variable	Variable
_	Flat Rate							
Dental Fountains	Consumers - Former City of Toronto	Full Cost Recovery	Each	\$538.25	\$21.42	\$559.67	\$559.67	\$559.67
Commercial dish washers	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each	\$432.36	\$17.21	\$449.57	\$449.57	\$449.57
Drinking Fountains	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.64
Fountains	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	For 1.6mm orifice or less, each per season	\$346.99	\$13.81	\$360.80	\$360.80	\$360.80
1 Garitaino	Flat Rate	recovery	All	φο το.σσ	ψ10.01	Ψ000.00	ψοσο.σσ	ψοσο.σσ
Fountains	Consumers - Former City of Toronto	Full Cost Recovery	others, each per person	\$1,380.39	\$54.94	\$1,435. 33	\$1,435. 33	\$1,435. 33
Materials used in buildings or in alterations or repairs to buildings and other construction work	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Bricks per 1,000	\$3.72	\$0.15	\$3.87	\$3.87	\$3.87
Materials used in buildings or in alterations or repairs to buildings and other construction work	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Other masonry, including concrete blocks, tiles, and similar materials , on basis of equivale nt number	\$3.72	\$0.15	\$3.87	\$3.87	\$3.87
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Table 6a - Continued

## User Fees Adjusted for Inflation and Other - Water & Wastewater Consumption Rates

				2018	2019		2020	2021
Rate Description	Water & Wastewater Consumption Rates	Fee Category	Fee Basis	Approved Rate	Other Adjustments	Budget Rate	Plan Rate	Plan Rate
			of bricks to replace same, per 1,000 bricks					
Materials used in buildings or in alterations or repairs to buildings and other construction work	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Plasterin g per 1,000 sq. yd	\$130.54	\$5.20	\$135.74	\$135.74	\$135.74
Materials used in buildings or in alterations or repairs to buildings and other construction work	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Per cubic yd - Concrete	\$9.06	\$0.36	\$9.42	\$9.42	\$9.42
Materials used in buildings or in alterations or repairs to buildings and other construction work	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Minimum rate for each building or for repairs or alteration s, where any of the above material is used	\$43.57	\$1.73	\$45.30	\$45.30	\$45.30
Photographic washing tanks	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each	\$217.00	\$8.64	\$225.64	\$225.64	\$225.64
Wash racks	Flat Rate Consumers - Former City of Toronto	Full Cost Recovery	Each	\$1,077.99	\$42.90	\$1,120. 89	\$1,120. 89	\$1,120. 89
Residential and commercial rates, Flat rate, Single family	Unmetered Consumers - Former City of Etobicoke	Full Cost Recovery	Tri- annual	\$356.42	\$14.19	\$370.61	\$370.61	\$370.61
Hydro substations	Unmetered Consumers - Former City of Etobicoke	Full Cost Recovery	Tri- annual	\$256.39	\$10.20	\$266.59	\$266.59	\$266.59
Building water and sewer service rates; not metered up to three months not refundable	Unmetered Consumers - Former City of Etobicoke	Full Cost Recovery	Each	\$758.23	\$30.18	\$788.41	\$788.41	\$788.41

## Table 6b

## **New User Fees**

				2019	2020	2021
		Fee	Fee	Budget	Plan	Plan
Rate Description	Service	Category	Basis	Rate	Rate	Rate
				Block 1 Water and	Block 1 Water and	Block 1 Water and
Metered water received at bulk water		Full Cost	Per cubic	Wastewater	Wastewater	Wastewater
fill station.	Water Service	Recovery	meter	Consumption Rate	Consumption Rate	Consumption Rate

2019 User Fee Revenues - New

\$35,000.00

# Appendix 7

## 2019 Capital Budget; 2020 - 2028 Capital Plan Including Carry Forward Funding

	Total App'd	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2019 - 2028	Total
(In \$000s)	Cash Flows to	Budget	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Total	Project Cost
Total Expenditures by Category	Date*												
Health & Safety													
Ashbridges Bay TP		1,190	6,629	2,583	2,374	1,891	31					14,698	14,698
Humber TP		335	5,140	424	0.074	4 004	04					5,899	5,899
Sub-Total	-	1,525	11,769	3,007	2,374	1,891	31	-	-	-	-	20,597	20,597
Legislated													
Water Service Replacement Pumping Stations		26,006 4,319	57,043 7,338	45,625 8,919	48,221 11,490	46,246 12,924	46,246 9,558	45,746 6,700	44,246 8,425	44,246 4,250	44,246	447,871 73,923	447,871 73,923
WT - Storage & Treatment		125	125	125	11,430	12,324	3,330	0,700	0,425	4,230		375	375
Ashbridges Bay TP		75,436	117,316	129,560	101,068	60,016	42,764	35,719	20,615	60		582,554	582,554
Highland Creek TP		5,375	9,586	10,417	7,456	37	37	400	1,000	6,500	11,300	52,108	52,108
Humber TP		1,500	2,676	_		550				550		5,276	5,276
RL Clark TP Island TP		2,439 920	700 2,462	3 16,163	19,280	8,529	267					3,142	3,142 47,721
Sub-Total	<del> </del>	116,120	197,246	210,812	187,515	128,302	367 98,972	88,565	74,286	55,606	55,546	47,721 1,212,970	1,212,970
State of Good Repair	<u> </u>	110,120	137,240	210,012	107,515	120,302	30,312	00,505	74,200	33,000	33,340	1,212,370	1,212,370
Business & Technology		5	79	78	80							242	242
Linear Eng		76,387	112,329	122,283	104,413	88,038	74,298	74,309	80,251	75,489	74,309	882,106	882,106
Sewer Rehabilitation		55,878	77,236	89,179	78,637	69,853	66,953	68,303	67,053	68,603	69,553	711,248	711,248
Sewer Replacement		15,159	19,458	21,086	16,012	17,469	15,100	15,000	15,000	15,000	15,000	164,284	164,284
WM Rehabilitation		56,019	68,171	83,054	71,180	71,560	70,460	70,360	70,260	65,460	65,360		691,884
WM Replacement		67,297	129,525	117,014	103,704	101,130	95,000	95,000	95,000	95,000	95,000		993,670
Water Service Replacement Pumping Stations		5,115 4,156	7,854 8,212	7,854 7,612	675 8,816	7,935	7,875	6,815	4,260	3,550	4,000	21,498 63,231	21,498 63,231
Trunk Water Mains		5,550	5,891	2,360	14,600	25,300	27,800	22,150	25,975	25,925	25,650		181,201
WT - Storage & Treatment		22,741	32,061	47,276	32,227	10,712	13,737	26,385	35,830	17,155	5,610		243,734
Trunk Sewers & Pumping Stations		27,267	77,830	70,103	80,188	52,000	61,157	53,115	33,515	28,350	14,082		497,607
Ashbridges Bay TP		75,490	184,523	217,002	203,880	165,514	120,748	151,159	129,487	114,564	64,040		1,426,407
Highland Creek TP		11,493	39,327	32,880	35,157	43,890	24,610	26,255	18,640	13,927	14,314		260,493
Humber TP RL Clark TP		40,587 7,950	43,676 4,941	52,590 315	26,529 291	32,487 200	18,057 200	7,585 200	11,235 200	36,360 200			304,106 14,697
RC Harris TP		3,598	12,808	10,648	3,437	2,024	11,550	11,500	11,500	12,550			80,115
FJ Horgan TP		584	1,701	1,281	1,321	825	202	202	200	200			6,716
Island TP		5,189	17,312	8,421	7,438	8,875	3,775	725	525	475			57,410
WWF-Implementation Projects		6,103	12,828	25,109	17,081	3,665	4,000	4,000	4,000	6,000			87,286
WWF - Stream Restoration Yards & Facility		8,361 562	16,339 769	14,349 1,733	16,947 1,275	12,420 1,485	7,295 1,485	12,665 1,485	16,460 1,485	14,395 1,485	12,805 1,485		132,036 13,249
Sub-Total	l .	495,491	872,870	932,227	823,888	715,382	624,302	647,213	620,876	594,688	506,283	6,833,220	6,833,220
Service Improvement			,	,	,	,	, , , , , , , , , , , , , , , , , , , ,	,	,	,		.,,	.,,
Water Meter Program (AMR)		5,183	1,680	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,863	18,863
Basement Flooding		76,005	143,565	157,987	183,371	163,152	151,264	147,986	221,612	226,263	217,001	1,688,206	1,688,206
Business & Technology		13,141	12,584	12,572	8,506	7,769	4,769	2,914	2,014	2,014	2,014		68,297
Linear Eng		1,204	3,000	3,075	3,735	7,125	8,975	8,475	7,975	7,975	7,975		59,514
Sewer Replacement		1,549	1,825									3,374	3,374
Pumping Stations Trunk Water Mains		193 470	69 3,568	3,327	3,333	41	92					262 10,831	262 10,831
WT - Storage & Treatment		4,738	8,945	5,521	4,061	60	92					23,325	23,325
Trunk Sewers & Pumping Stations		700	1,100	700	900	8,400	9,450	750				22,000	22,000
Ashbridges Bay TP		4,080	14,609	14,098	15,826	10,655	2,062	2,115	2,100	20,050	41,300	126,895	126,895
Highland Creek TP		10,205	9,757	15,005	27,652	24,150	29,920	48,125	44,080	25,150	29,290		263,334
Humber TP		4,706	8,070	7,849	9,277	7,500	3,500					40,902	40,902
RC Harris TP FJ Horgan TP		1,939 442	5,853 750	864 2,360	540	760	1,011					8,656 5,863	8,656 5,863
Island TP		576	2,900	3,957	867	695	650	75	650	225		10,595	10,595
WTP-Plantwide		2,946	14,128	36,828	49,507	29,174	30,609	30,825	16,710	16,515			241,057
WWF-Implementation Projects		102,996	124,013	125,573	135,344	99,892	58,674	69,252	133,640	260,870			1,347,814
WWF-TRCA		14,791	14,104	14,219	14,337	15,958	16,082	16,209	16,339				155,122
Yards & Facility		5,520 <b>251,384</b>	9,888 <b>380,408</b>	11,722 <b>417,157</b>	1,677 <b>460,433</b>	725 <b>377,556</b>	605 <b>319,163</b>	605 328,831	605 <b>447,225</b>		605 <b>567,670</b>		41,007 <b>4,135,917</b>
Sub-Total	-	251,384	380,408	417,157	460,433	3//,556	319,163	328,831	447,225	586,090	567,670	4,135,917	4,135,917
Growth Related		504	050	450	450	450	450	450	450	450	450		4 004
Linear Eng New Connections	1	531	250	150	150	150	150 48,223	150 48,223	150 48,223	150 48,223	150 48,223	1,981 485,527	1,981
New Connections New Sewers	1	41,836 6,515	52,503 9,566	54,993 20,459	49,857 27,537	45,223 12,651	3,930	2,048	1,698	1,000	1,000		485,527 86,404
WM Replacement		29,321	35,723	31,982	19,712	20,505	18,040	19,000	19,000	19,000	19,000		231,283
Pumping Stations		6,446	5,558	2,068	2,245	1,050	900	.,	.,			18,267	18,267
Trunk Water Mains	1	9,525	15,625	17,215	16,709		17,700	9,345	35	1	1	103,854	103,854
WT - Storage & Treatment	1	2	165	1,000	2,000		F0 45-	F0 45-	F0 05 -	F	F0 0	6,167	6,167
Trunk Sewers & Pumping Stations	1	465 550	1,347 4,850	3,545 5,300	12,400 7,900		52,400 66,000	52,400 35,350	52,200 300	51,900		304,807 159,450	304,807 159,450
Ashbridges Bay TP Highland Creek TP	1	200	4,850 800	5,300	7,900	39,000	00,000	35,350	300	200	1	1,500	1,500
FJ Horgan TP		200	550	330	41							41	41
Island TP		100	700	2,300	3,300							6,400	6,400
Water Effeciency Plan		495	706	603	607	687	520	520	520	520	520		5,698
WWF-Implementation Projects	1		405	100	100	100	100	100	10	40	44	500	500
Sub-Total	-	95,986	127,793	140,215	142,558	168,216	207,963	167,136	122,126	120,993	118,893	1,411,879	1,411,879
Total Expenditures by Category (including carry													46
forward from 2018)	-	960,506	1,590,086	1,703,418	1,616,768	1,391,347	1,250,431	1,231,745	1,264,513	1,357,377	1,248,392	13,614,583	13,614,583

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

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vva	ei Pr	ugiaili					Curr	ent and F	uture Year	Cash Flor	w Commitn	nents		1	C	rrent and F	utura Vaar	Cash Flor	v Commi	tmante 5	inancod	Rv		
Sul	<u>- Pro</u>	oject No. Project Name					Curr	siit aliu i	uture rear	Cusiiiio	Total	Total	Total	Provincial	Fodoral	Development			Capital from	unents r	illanceu	Det Recov		Total
Pri	ritySul	bProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Grants and Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WA	000004	HORGAN W.T.P. EXPANSION																						
0	39	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	0	0	0	41	0	41	0	41	C	) (	) 13	0	15	0	0	13	0	0	41
0	42	PLANT EXPANSION - CONSTRUCTION-CHANGE IN SCOPE	CW	S3	05	0	0	0	0	0	0	0	0	C	) (	) 15	0	-15	0	0	0	0	0	0
		Sub-total				0	0	0	41	0	41	0	41	0	(	28	0	0	0	0	13	0	0	41
WAT	000018	CLARK RESIDUE MGMT. FACILITIES																						
0	24	RESIDUALS RETROFITS AND UPGRADES	s cw	S2	02	3,102	0	0	0	0	3,102	0	3,102	C	) (	0	0	3,102	0	0	0	0	0	3,102
0	31	RESIDUALS RETROFITS AND UPGRADES-CHANGE IN SCOPE	CW	S3	02	-663	700	3	0	0	40	0	40	C	) (	0	0	40	0	0	0	0	0	40
		Sub-total				2,439	700	3	0	0	3,142	0	3,142	0	(	0	0	3,142	0	0	0	0	0	3,142
۱۸/۵۲	000021	WATER EFFICIENCY PROGRAM																					$\rightarrow$	
VVA	000021	WATER ET HOLENOT PROGRAW																						
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	300	300	0	1,200	0	1,200	C	) (	1,200	0	0	0	0	0	0	0	1,200
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	75	75	75	75	0	300	0	300	C	) (	300	0	0	0	0	0	0	0	300
0	12	ANCILLARY COSTS	CW	S2	05	70	70	70	70	0	280	0	280	C	) (	280	0	0	0	0	0	0	0	280
0	82	WEP - FUTURE -ICI	CW	S6	05	0	0	0	0	520	520	2,600	3,120	C	) (	3,120	0	0	0	0	0	0	0	3,120
0	97	ICI INDOOR WATER AUDIT-CHANGE IN SCOPE	CW	S3	05	50	261	158	162	167	798	0	798	C	) (	798	0	0	0	0	0	0	0	798
		Sub-total				495	706	603	607	687	3,098	2,600	5,698	0	(	5,698	0	0	0	0	0	0	0	5,698
WAT	000363	ENGINEERING STUDIES																						
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	66	0	0	0	0	66	0	66	C	) (	0	0	46	0	0	20	0	0	66
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	C	) (	0	0	100	0	0	0	0	0	100
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	38	0	0	0	0	38	0	38	C	) (	0	0	38	0	0	0	0	0	38
0	70	FACILITY FORECAST/SOGR FUNDING	CW	S6	03	0	0	0	0	0	0	250	250	C	) (	0	0	250	0	0	0	0	0	250
0	79	ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCOPE	CW	S3	04	127	100	0	0	0	227	0	227	(	) (	0	0	227	0	0	0	0	0	227
0	80	IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE	CW	S3	04	4	50	50	50	50	204	0	204	C	) (	0	0	143	0	0	61	0	0	204
0	81	CONTROLLED SUBSTANCES ID AND ABATE-CHANGE IN SCOPE	CW	S3	02	25	125	125	0	0	275	0	275	(	) (	0	0	275	0	0	0	0	0	275
		Sub-total				360	275	175	50	50	910	250	1,160	0	(	0	0	1,079	0	0	81	0	0	1,160
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE -	- PW																				$\dashv$	
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	20	0	0	0	0	20	0	20	C	) (	0	0	20	0	0	0	0	0	20

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

		ogram																							
								Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Зу		
Sub Prio		oject No. Project Name oProj No. Sub-project Na	me W	/ard s	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
		BUSINESS SYSTEM INFRA														-									
0	23	RELIABILITY IMPROVEMEN	NT PROGRAM	CW	S2	04	355	240	140	40	0	775	0	775	0	0	0	0	775	0	0	0	0	0	775
0	41	SCADA UPGRADES FOR W	/WT	CW	S2	04	3,326	3,052	3,880	3,185	2,825	16,268	1,800	18,068	0	0	0	0	18,068	0	0	0	0	0	18,068
0	43	BUSINESS & TECHNICAL IMPROVEMENTS - 10 YEAR		CW	S6	04	0	50	331	1,204	1,394	2,979	5,125	8,104	0	0	0	0	8,104	0	0	0	0	0	8,104
0	61	RELIABILITY IMPROVEMEN FUTURE YEARS	NT PROGRAM -	CW	S6	04	0	50	400	400	400	1,250	2,000	3,250	0	0	0	0	3,250	0	0	0	0	0	3,250
0	67	SCADA UPGRADES FOR W	/WT - II	CW	S2	04	972	661	0	0	0	1,633	0	1,633	0	0	0	0	1,633	0	0	0	0	0	1,633
0	83	NETWORK IMPROVEMENT	S - 10 YEAR	CW	S6	04	0	230	340	1,520	1,100	3,190	4,800	7,990	0	0	0	0	7,990	0	0	0	0	0	7,990
0	85	NETWORK IMPROVEMENT	rs .	CW	S2	04	585	0	0	0	0	585	0	585	0	0	0	0	585	0	0	0	0	0	585
0	87	PCS UPGRADES 2017		CW		04	210	105	0	0	0	315	0	315	0	0			315	0		0	0	0	315
0	88	TRUNK RADIO - EQUIPMEN			S2		160	0	78	80	0	318	0	318	0	0			318	0		0	0	0	318
0	97	SCADA SOFTWARE		CW		04	260	180	180	0	0	620	0	620	0	0				0		_	0	0	620
0	101	NETWORK EQUIPMENT LII REPLACEMENT - 2018 SC			S2		5	0	0	0	1 000	5	0	5	0	0			5	0		0	0	0	5
0	109	SCADA UPGRADES FOR W -CHANGE IN SCOPE RELIABILITY IMPROVEMEN		CW		04	-123	1,218	1,060 275	1,000	1,000	4,155	0	4,155 590	0	0			4,155 590	0		0	0	0	4,155 590
0	110	PROGRAM-CHANGE IN SC NETWORK IMPROVEMENT	OPE	CW	S3		-80 127	265 209	0	0	0	590 336	0	336	0	0				0		0	0		336
0	112	SCOPE SCADA UPGRADES FOR W		CW		04	2,677	1,315	766	102	0	4,860	0	4,860	0	0				0			0	١	4,860
0	113	IN SCOPE TECHNOLOGY IMPROVEM		cw		04	1,865	970	75	50	200	3,160	0	3,160	0	0				0			0	0	3,160
0	114	SCADA SOFTWARE-CHANG			S3		-80	100	100	50	0	170	0	170	0	0			170	0		0	0	0	170
0	115	NETWORK EQUIPMENT LII		CW	S3	03	0	79	0	0	0	79	0	79	0	0	0	0	79	0	0	0	0	0	79
0	116	REPLA-CHANGE IN SCOPE TRUNK RADIO - EQUIPMEN		CW	S3	03	-160	0	0	0	0	-160	0	-160	0	0	0	0	-160	0	0	0	0	0	-160
0	117	SCOPE PCS UPGRADES FOR WAT SUPPLY-CHANGE IN SCOP		CW	S3	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	118	PCS LEGACY ALARM IMPR -CHANGE IN SCOPE		CW	S3	04	30	0	0	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30
		Sub-total				ŀ	10,150	8,724	7,625	7,761	6,919	41,179	13,725	54,904	0	0	0	0	54,904	0	0	0	0	0	54,904
WAT	906340	METERING & METER REAL	DING SYS			Ī																		$\top$	
0	2	AUTOMATED METER REAL	DING SYSTEM	CW	S2	04	578	0	0	0	0	578	0	578	0	0	0	0	578	0	0	0	0	0	578

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

					Curre	nt and Fu	ture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	ture Year	Cash Flo	w Commi	tments I	inanced	Ву				
PrioritySub		Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal (	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - ecoverabl	' ا	Total ancing
	METERING & METER READING SYS																		_					
0 20	AUTOMATED METER READING SYSTEM-CHANGE IN SCOPE	CW	S3	04	4,605	1,680	1,500	1,500	1,500	10,785	7,500	18,285	0	0	0	0	18,285	0	C	0	(	0	_	18,285
	Sub-total				5,183	1,680	1,500	1,500	1,500	11,363	7,500	18,863	0	0	0	0	18,863	0	C	0	)	0	0 1	18,863
WAT906468	HORGAN TRUNK MAIN EXPANSION																							
0 44	DOWNSVIEW MAIN-KEELE PS TO DOWNSVIEW CONS	CW	S6	05	0	0	1,000	16,000	17,000	34,000	26,000	60,000	0	0	0	0	60,000	0	C	0	(	0	0 (	60,000
0 52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S2	05	1,240	1,100	1,700	700	700	5,440	980	6,420	0	0	2,586	0	3,834	0	C	0	(	0	0	6,420
0 53	DOWNSVIEW MAIN (KEELE PS TO DOWNSV-CHANGE IN SCOPE	CW	S3	05	-240	0	200	0	0	-40	100	60	0	0	3,894	0	-3,834	0	C	0	(	0	0	60
1	Sub-total				1,000	1,100	2,900	16,700	17,700	39,400	27,080	66,480	0	0	6,480	0	60,000	0	C	0	)	0	0 6	66,480
WAT906470	ISLAND W.T.P. R&R																							
0 8	CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	2,407	900	980	850	200	5,337	200	5,537	0	0	0	0	5,537	0	C	0	(	0	0	5,537
0 11	CHEMICAL & RESIDUALS MANAGEMENT CONST	CW	S2	02	1,530	15,000	18,000	7,400	0	41,930	0	41,930	0	0	2,551	0	39,379	0	C	0	(	0	0 4	41,930
0 34	CHEMICAL & RESIDUALS MANAGMENT ENG-CHANGE IN SCOPE	CW	S3	02	-1,517	659	183	430	929	684	167	851	0	0	0	0	851	0	C	0	(	0	0	851
0 35	CHEMICAL & RESIDUALS MANAGEMENT CO-CHANGE IN SCOPE	CW	S3	02	-1,500	-14,097	-3,000	10,600	7,400	-597	0	-597	0	0	3,564	0	-4,161	0	C	0	(	0	0	-597
	Sub-total				920	2,462	16,163	19,280	8,529	47,354	367	47,721	0	0	6,115	0	41,606	0	C	0	)	0	0 4	47,721
WAT906481	DISTRICT WATERMAINS - NEW																							
0 1	NEW WATERMAIN	CW	S2	05	58	500	0	0	0	558	0	558	0	0	558	0	0	0	C	0	(	0	0	558
0 3	NEW WM - 10 YEAR	CW	S6	05	0	0	0	500	500	1,000	2,500	3,500	0	0	3,500	0	0	0	C	0	(	0	0	3,500
0 17	NEW WM -CHANGE IN SCOPE	CW	S3	05	-48	0	500	0	0	452	0	452	0	0	452	0	0	0	C	0	(	0	0	452
	Sub-total				10	500	500	500	500	2,010	2,500	4,510	0	0	4,510	0	0	0	C	0	)	0	0	4,510
WAT906483	PW ENGINEERING																							
0 2	CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,903	2,300	0	0	0	6,203	0	6,203	0	0	0	0	6,203	0	C	0	(	0	0	6,203
0 5	WATERMAIN ASSET PLANNING	CW	S2	03	2,839	2,050	1,055	1,100	1,120	8,164	675	8,839	0	0	2,195	0	3,145	0	C	3,499	(	0	0	8,839
0 7	EASEMENT ACQUISITION	CW	S2	04	690	0	0	0	0	690	0	690	0	0	0	0	690	0	C	0	(	0	0	690
0 22	WATER LOSS REDUCTION STRATEGY	CW	S2	03	889	429	1,000	1,000	1,000	4,318	0	4,318	0	0	0	0	4,318	0	C	0	(	0	0	4,318
0 37	ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,550	1,000	1,000	1,000	1,000	5,550	1,500	7,050	0	0	1,763	0	5,287	0	C	0	(	0	0	7,050
0 38	WATERMAIN ASSET PLANNING - 10 YEA	R CW	S6	04	0	0	75	235	475	785	2,375	3,160	0	0	792	0	2,368	0	C	0	(	0	0	3,160

## **CITY OF TORONTO**

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Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

							Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and Fut	ure Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		<u>ect No.    Project Name</u> Proj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges F	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverab Debt	- 1	Total inancing
WAT	906483	PW ENGINEERING																						
0	52	JOS UPDATE PHASE II	CW	S2	05	657	0	0	0	0	657	0	657	С	0	329	0	-1	0	0	329	0	0	657
0	53	EASEMENT ACQUISITION - 10 YEAR	cw	S6	04	0	0	0	500	500	1,000	2,500	3,500	С	0	0	0	3,500	0	0	0	0	0	3,500
0	76	WATERMAIN ASSET PLANNING-CHANGE IN SCOPE	E CW	S3	03	-1,831	-45	365	265	50	-1,196	1,795	599	С	0	-770	0	1,133	0	0	236	0	0	599
0	77	CAPITAL PROGRAMMING & FACILITY ASS-CHANGE IN SCOPE	CW	S3	03	-2,585	33	4,140	2,000	1,000	4,588	0	4,588	С	0	0	0	4,588	0	0	0	0	0	4,588
0	78	JOS UPDATE PHASE II-CHANGE IN SCOPE	CW	S3	05	-301	100	0	0	0	-201	0	-201	С	0	-101	0	1	0	0	-101	0	0	-201
0	79	ASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE	CW	S3	04	-1,300	0	0	0	0	-1,300	0	-1,300	С	0	-325	0	-975	0	0	0	0	0	-1,300
0	80	WATER LOSS REDUCTION STRATEGY-CHANGE IN SCOPE	CW	S3	03	-338	551	38	0	0	251	0	251	С	0	0	0	251	0	0	0	0	0	251
0	81	EASEMENT ACQUISITION-CHANGE IN SCOPE	CW	S3	04	114	500	500	0	0	1,114	0	1,114	С	0	0	0	1,114	0	0	0	0	0	1,114
		Sub-total				4,287	6,918	8,173	6,100	5,145	30,623	8,845	39,468	0	0	3,883	0	31,622	0	0	3,963	0	0	39,468
WAT	906752	TRANSMISSION R&R																					$\top$	
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	260	320	250	250	0	1,080	0	1,080	C	0	0	0	1,080	0	0	0	0	0	1,080
0	50	TRUNK WATERMAIN REHAB	CW	S6	03	0	0	0	0	250	250	1,250	1,500	С	0	0	0	1,500	0	0	0	0	0	1,500
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	512	213	0	0	0	725	0	725	С	0	0	0	725	0	0	0	0	0	725
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,051	707	0	0	0	1,758	0	1,758	С	0	0	0	1,758	0	0	0	0	0	1,758
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	С	0	0	0	1,500	0	0	0	0	0	1,500
0	82	CAST IRON TRUNK REPLC - PHASE 3CHANGE IN SCOPE	CW	S3	03	-325	119	0	0	0	-206	0	-206	С	0	0	0	-206	0	0	0	0	0	-206
0	83	TRUNK WATERMAIN REHAB-CHANGE IN SCOPE	I CW	S3	03	150	100	150	150	400	950	2,000	2,950	c	0	0	0	2,950	0	0	0	0	0	2,950
0	84	CAST IRON TRUNK REPLC - PHASE 2-CHANGE IN SCOPE	CW	S3	03	-48	57	110	0	0	119	0	119	c	0	0	0	119	0	0	0	0	0	119
0	85	CAST IRON TRUNK REPLC - PHASE 3 CHANGE IN SCOPE	CW	S3	03	-990	1,000	0	0	0	10	0	10	C	0	0	0	10	0	0	0	0	0	10
		Sub-total				2,110	2,516	510	400	650	6,186	3,250	9,436	0	0	0	0	9,436	0	0	0	0	0	9,436
WAT	906900	TRANSMISSION R&R																					$\dagger$	$\neg$
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	750	750	750	0	3,000	0	3,000	С	0	0	0	3,000	0	0	0	0	0	3,000
0	7	RESERVOIR REHAB - FUTURE	CW	S6	03	0	0	0	0	150	150	6,950	7,100	С	0	0	0	7,100	0	0	0	0	0	7,100
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	6,949	980	17	0	0	7,946	0	7,946	C	0	0	0	7,946	0	0	0	0	0	7,946

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
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							Curre	ent and Fu	ture Year	Cash Flov	v Commitm	ents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u> Prio		<u>iject No.     Project Name</u> pProj No.    Sub-project Name	Vard :	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
WAT	906900	TRANSMISSION R&R																						
0	43	DOWNSVIEW PS - Construction	CW	S6	05	0	0	1,000	2,000	3,000	6,000	0	6,000	0	0	0	0	6,000	0	) (	0 0	0	0	6,000
0	44	PUMPING STATION REHAB - Engineering	CW	S4	03	100	500	900	860	1,060	3,420	7,200	10,620	0	0	0	0	10,620	0	) (	0 0	0	0	10,620
0	45	PUMPING STATION REHAB - Construction	CW	S6	03	0	50	4,500	5,000	2,700	12,250	40,350	52,600	0	0	0	0	52,600	0	) (	0 0	0	0	52,600
0	48	ROSEHILL RESERVOIR	CW	S2	03	12,525	16,725	8,325	17	17	37,609	0	37,609	0	0	0	0	37,609	0	) (	0 0	0	0	37,609
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	142	0	0	0	0	142	0	142	0	0	55	0	87	0	, (	0 0	0	0	142
0	50	PARKDALE PS REHABILITATION	CW	S2	03	2,722	197	8	0	0	2,927	0	2,927	0	0	0	0	2,927	0	) (	0 0	0	0	2,927
0	51	ROSEHILL PS REHAB	CW	S2	03	2,722	48	50	0	0	2,820	0	2,820	0	0	0	0	2,820	0	) (	0 0	0	0	2,820
0	67	PUMP REPLACEMENTS	CW	S2	03	1,050	0	0	0	0	1,050	0	1,050	0	0	0	0	1,050	0	, (	0 0	0	0	1,050
0	70	TRANS FACILITIES REHAB - 10 YEAR	CW	S6	03	0	0	0	0	0	0	3,400	3,400	0	0	0	0	3,400	0	) (	0 0	0	0	3,400
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW	S2	03	500	688	580	10	7	1,785	0	1,785	0	0	0	0	1,785	0	) (	0 0	0	0	1,785
0	74	PS REHAB - PHASE 2 - ENG	CW	S2	03	1,528	1,216	950	24	24	3,742	0	3,742	0	0	0	0	3,742	0	. (	0 0	0	0	3,742
0	91	SCARBOROUGH RESERVOIR SURGE TANK	CW	S4	03	125	400	4,600	4,200	550	9,875	125	10,000	0	0	0	0	10,000	0	) (	0 0	0	0	10,000
0	92	RESERVOIR REHAB - PHASE 2 - CONSTRUCTION	CW	S6	03	0	1,500	9,500	8,000	0	19,000	0	19,000	0	0	0	0	19,000	0	. (	0 0	0	0	19,000
0	93	RESERVOIR REHAB - FUTURE - CONSTRUCTION	CW	S6	03	0	0	0	0	0	0	35,500	35,500	0	0	0	0	35,500	0	) (	0 0	0	0	35,500
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	CW	S2	03	4,040	10,950	6,500	0	0	21,490	0	21,490	0	0	0	0	21,490	0	) (	0 0	0	0	21,490
0	96	DOWNSVIEW PS & CONNECTOR EA-CHANGE IN SCOPE	CW	S3	05	-140	165	0	0	0	25	0	25	0	0	112	0	-87	0	(	0 0	0	0	25
0	97	TRANS FACILITIES REHAB-CHANGE IN SCOPE	CW	S3	03	450	100	100	100	850	1,600	1,200	2,800	0	0	0	0	2,800	0	) (	0 0	0	0	2,800
0	98	ST CLAIR RESERVOIR REHAB/WATER QUA-CHANGE IN SCOPE	CW	S3	03	-1,649	2,049	0	7	0	407	0	407	0	0	0	0	407	0	(	0 0	0	0	407
0	99	PARKDALE PS REHABILITATION-CHANGE IN SCOPE	CW	S3	03	-277	443	0	0	0	166	0	166	0	0	0	0	166	0	(	) 0	0	0	166
0	100	ROSEHILL RESERVOIR-CHANGE IN SCOPE	CW	S3	03	-3,728	-6,210	1,210	20	0	-8,708	0	-8,708	0	0	0	0	-8,708	0	) (	0 0	0	0	-8,708
0	101	ELEVATED TANKS REPLACEMENT	CW	S6	03	0	0	0	0	0	0	1,075	1,075	0	0	0	0	1,075	0	) (	0 0	0	0	1,075
0	103	ROSEHILL PS REHAB-CHANGE IN SCOPE	CW	S3	03	-1,258	1,149	240	0	0	131	0	131	0	0	0	0	131	0	(	0 0	0	0	131
0	104	RESERVOIR REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	CW	S3	03	-150	-347	-180	460	3	-214	7	-207	0	0	0	0	-207	0	) (	0 0	0	0	-207
0	105	PS REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	CW	S3	03	-728	-180	-124	929	1	-102	0	-102	0	0	0	0	-102	0	) (	0 0	0	0	-102

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VVC	tei Pi	ogram																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	ture Year	Cash Flo	w Commi	tments F	inanced I	Зу		
Sul Pri		<u>oject No.     Project Name</u> bProj No.   Sub-project Name	Ward	Stat	Cat	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recove Debt		Total Financing
	_	TRANSMISSION R&R	vvaru	Otat.	Oat.	20.0					2010 2020		2010 2020	Subsidies	Guzolay	- 5				04.10.	00.2	2021	$\neg$	Tillarioling
0		PS REHAB - PHASE 2 - CONSTRUCTION-CHANGE IN SCOPE	CW	S3	03	-3,240	-7,250	4,000	6,500	0	10	0	10	α	C	0	0	10	0	0	0	0	0	10
0	107	PUMP REPLACEMENTS-CHANGE IN SCOPE	CW	S3	03	-150	1,300	0	0	0	1,150	0	1,150	О	(	0	0	1,150	0	0	0	0	0	1,150
		Sub-total				22,283	25,223	42,926	28,877	8,362	127,671	95,807	223,478	0	(	167	0	223,311	0	0	0	0	0	223,478
WA	906902	HARRIS W.T.P. R&R																						
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	500	500	500	0	2,000	0	2,000	0	C	0	0	2,000	0	0	0	0	0	2,000
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,492	4,241	0	0	0	9,733	0	9,733	o	(	0	0	9,733	0	0	0	0	0	9,733
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	6,250	948	24	0	0	7,222	0	7,222	0	(	0	0	7,222	0	0	0	0	0	7,222
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	510	10	13	0	0	533	0	533	0	C	0	0	533	0	0	0	0	0	533
0	70	FILTER MEDIA UPGRADE - FUTURE	CW	S6	03	0	150	0	150	0	300	0	300	0	C	0	0	300	0	0	0	0	0	300
0	71	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	500	500	2,500	3,000	0	C	0	0	3,000	0	0	0	0	0	3,000
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	0	C	0	0	1,200	0	0	0	0	0	1,200
0	80	FACILITY INFRASTRUCTURE REHAB	CW	S4	03	900	1,800	0	0	0	2,700	0	2,700	0	C	0	0	2,700	0	0	0	0	0	2,700
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	3,282	7	0	0	0	3,289	0	3,289	O	C	0	0	3,289	0	0	0	0	0	3,289
0	85	HARRIS FILTERS REHABILITATION	CW	S6	03	0	0	0	450	500	950	44,550	45,500	0	(	0	0	45,500	0	0	0	0	0	45,500
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	0	800	0	800	O	(	0	0	800	0	0	0	0	0	800
0	99	CONTROL ROOM RELOCATION	CW	S2	04	1,345	204	0	0	0	1,549	0	1,549	0	C	0	0	1,549	0	0	0	0	0	1,549
0	100	EMERGENCY STANDBY POWER	CW	S2	04	2,339	347	0	0	0	2,686	0	2,686	O	C	0	0	2,686	0	0	0	0	0	2,686
0	102	PHONE SYSTEM UPGRADE	CW	S2	03	0	70	510	0	0	580	0	580	o	(	0	0	580	0	0	0	0	0	580
0	106	BUILDING ENVELOPE REHAB	CW	S2	03	136	0	0	0	0	136	0	136	o	(	0	0	136	0	0	0	0	0	136
0	112	TRAVELLING SCREENS 3 & 5 UPGRADE	CW	S2	03	0	300	450	0	0	750	0	750	o	(	0	0	750	0	0	0	0	0	750
0	119	ENERGY OPTIMIZATION	CW	S2	04	1,170	1,000	0	0	0	2,170	0	2,170	o	(	0	0	2,170	0	0	0	0	0	2,170
0	132	EMERGENCY STANDBY POWER-CHANGE IN SCOPE	CW	S3	04	-1,725	2,732	134	0	0	1,141	0	1,141	o	(	0	0	1,141	0	0	0	0	0	1,141
0	133	CONTROL ROOM RELOCATION-CHANG IN SCOPE	E CW	S3	04	-726	108	725	0	0	107	0	107	o	(	0	0	107	0	0	0	0	0	107
0	134	BUILDING ENVELOPE REHAB-CHANGE IN SCOPE	CW	S3	03	-136	0	0	0	0	-136	0	-136	0	C	0	0	-136	0	0	0	0	0	-136

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						ſ		Curre	ent and Fu	uture Year	Cash Flor	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio			<u>Project Name</u> Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt	able	Total Financing
WAT	906902	HARRIS V	V.T.P. R&R																						
0	135		ILTERS REHABILITATION - GE IN SCOPE	CW	S3	03	-5,200	4,822	5,751	1,050	24	6,447	0	6,447	0	C	0	0	6,447	0	0	0	0	0	6,447
0	136		HEMICAL SYSTEM MENT-CHANGE IN SCOPE	CW	S3	04	-2,856	565	0	0	0	-2,291	0	-2,291	0	C	0	0	-2,291	0	0	0	0	0	-2,291
0	137		& PROCESS ES-CHANGE IN SCOPE	CW	S3	03	139	103	55	56	0	353	0	353	0	C	0	0	353	0	0	0	0	0	353
0	138	HVAC REI	HAB CONSTRUCTION-CHANGE	CW	S3	03	-4,854	-116	4,035	121	0	-814	0	-814	0	C	0	0	-814	0	0	0	0	0	-814
0	139		F SETTLING BASIN ROOF & NGE IN SCOPE	CW	S3	03	-339	150	0	0	0	-189	0	-189	0	C	0	0	-189	0	0	0	0	0	-189
0	140		R SECURITY LIGHTING E-CHANGE IN SCOPE	CW	S3	03	0	-100	-550	-450	550	-550	550	0	0	C	0	0	0	0	0	0	0	0	0
0	141		ING SCREENS 3 & 5 E-CHANGE IN SCOPE	CW	S3	03	0	-300	-450	300	450	0	0	0	0	C	0	0	0	0	0	0	0	0	0
0	142	PHONE S SCOPE	YSTEM UPGRADE-CHANGE IN	CW	S3	03	0	-70	-440	510	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0
0	143	ENERGY SCOPE	OPTIMIZATION-CHANGE IN	CW	S3	04	-890	890	5	0	0	5	0	5	0	C	0	0	5	0	0	0	0	0	5
			Sub-total			İ	5,537	18,661	11,512	3,437	2,024	41,171	47,600	88,771	0	C	0	0	88,771	0	0	0	0	0	88,771
WAT	906903	FJ HORG	AN W.T.P. R&R			Ì																			
0	5	FACILITY	& PROCESS UPGRADES	CW	S2	03	1,174	550	200	200	0	2,124	0	2,124	0	C	0	0	2,124	0	0	0	0	0	2,124
0	8	RAW WAT	ER PUMP UGRADES	CW	S2	03	321	0	0	0	0	321	0	321	0	C	0	0	321	0	0	0	0	0	321
0	15	REPLACE	MENT OF MCCS	CW	S2	03	533	297	50	3	0	883	0	883	0	C	0	0	883	0	0	0	0	0	883
0	28	FACILITY FUTURE	& PROCESS UPGRADES -	CW	S6	03	0	0	0	0	200	200	1,000	1,200	0	C	0	0	1,200	0	0	0	0	0	1,200
0	31	BUILDING UPGRADE	S FIRE, HVAC, LIGHTING ES	CW	S2	04	1,455	1,635	1,010	0	0	4,100	0	4,100	0	C	0	0	4,100	0	0	0	0	0	4,100
0	32		OUNDING SYSTEM & BULK ILOADING IMPRO	CW	S2	04	679	690	0	0	0	1,369	0	1,369	0	C	0	0	1,369	0	0	0	0	0	1,369
0	33	OFFICE R	RENOVATION	CW	S6	03	0	100	675	575	475	1,825	4	1,829	0	C	0	0	1,829	0	0	0	0	0	1,829
0	34	TREATED	WATER PUMP UPGRADES	CW	S2	04	203	0	0	0	0	203	0	203	0	C	0	0	203	0	0	0	0	0	203
0	65		WATER PUMP ES-CHANGE IN SCOPE	CW	S3	04	-86	0	0	0	0	-86	0	-86	0	C	0	0	-86	0	0	0	0	0	-86
0	66		& PROCESS ES-CHANGE IN SCOPE	CW	S3	03	-1,011	-207	230	531	150	-307	0	-307	0	C	0	0	-307	0	0	0	0	0	-307
0	67	ELEC GROCHEM-CH	OUNDING SYSTEM & BULK IANGE IN SCOPE	CW	S3	04	-504	-290	1,910	540	10	1,666	11	1,677	0	C	0	0	1,677	0	0	0	0	0	1,677
0	68		FIRE, HVAC, LIGHTING IANGE IN SCOPE	CW	S3	04	-1,305	-1,285	-560	0	750	-2,400	1,000	-1,400	0	C	0	0	-1,400	0	0	0	0	0	-1,400
0	69	REPLACE SCOPE	MENT OF MCCS-CHANGE IN	CW	S3	03	-233	321	-19	-3	0	66	0	66	0	C	0	0	66	0	0	0	0	0	66

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

		- 3																						
						Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Commit	ments F	inanced	Ву			
<u>Sub-</u> Priorit		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	. Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt Recove Debt		Total Financing
WAT90		· · ·												Guboiaico									$\neg$	
0 7	70	RAW WATER PUMP UGRADES-CHANGE IN SCOPE	E CW	S3	03	-200	640	145	15	0	600	0	600	C	0	0	0	600	0	0	0	0	0	600
		Sub-total				1,026	2,451	3,641	1,861	1,585	10,564	2,015	12,579	0	0	0	0	12,579	0	0	0	0	0	12,579
WAT90	<u>6906</u>	TRUNK WATERMAIN EXPANSION																						
0 2	25	JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	CW	S2	05	801	610	436	0	0	1,847	0	1,847	С	0	877	0	550	0	0	420	0	0	1,847
0 6	66	JOS - WM Scar PS to St. Clair&Midland (CONST)	CW	S2	05	21,393	19,000	2,000	0	0	42,393	0	42,393	С	0	20,124	0	12,637	0	0	9,632	0	0	42,393
0 7	72	JOS WM SCAR PS TO ST CLAIR AND MID-CHANGE IN SCOPE	CW	S3	05	-276	-85	-103	9	0	-455	0	-455	C	0	-317	0	-34	0	0	-104	0	0	-455
0 7	73	JOS - WM Scar PS to St. Clair&Midl-CHANGE IN SCOPE	CW	S3	05	-13,393	-5,000	11,982	0	0	-6,411	0	-6,411	С	0	-5,664	0	709	0	0	-1,456	0	0	-6,411
		Sub-total				8,525	14,525	14,315	9	0	37,374	0	37,374	0	0	15,020	0	13,862	0	0	8,492	0	0	37,374
<u>WAT90</u>	<u>6914</u>	SWITCH GEAR TRANSFORMER																						
0 1	13	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	CW	S2	03	1,169	0	0	0	0	1,169	0	1,169	c	0	0	0	1,169	0	0	0	0	0	1,169
0 2	29	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	CW	S2	03	1,104	6,250	5,250	5,250	5,250	23,104	2,675	25,779	С	0	0	0	25,779	0	0	0	0	0	25,779
0 3	32	INDOOR/OUTDOOR SWITCHGEAR (PHASE 3-CHANGE IN SCOPE	CW	S3	03	-1,109	1,113	0	0	0	4	0	4	С	0	0	0	4	0	0	0	0	0	4
0 3	33	INDOOR/OUTDOOR SWITCHGEAR (PHASE 4-CHANGE IN SCOPE	CW	S3	03	-704	-360	100		100		-15	-779	С			0	-779	0	0		0	0	-779
		Sub-total				460	7,003	5,350	5,350	5,350	23,513	2,660	26,173	0	0	0	0	26,173	0	0	0	0	0	26,173
<u>WAT90</u>	<u>6918</u>	WATER SUSTAINABILITY PROGRAM																						
0 1	I	WATER SUSTAINABILITY PROGRAM	CW	S2	04	7,836	3,382	0	0	0	11,218	0	11,218	c	0	740	0	7,102	0	0	3,376	0	0	11,218
0 1	12	STANDBY POWER - ROSEHILL	CW	S2	04	6,036	43	33	14	0	6,126	0	6,126	С	0	416	0	3,872	0	0	1,838	0	0	6,126
0 2	23	WATER SUSTAINABILITY PROGRAM-CHANGE IN SCOPE	CW	S3	04	-6,486	2,195	5,457	3,997	10	5,173	0	5,173	С	0	955	0	2,660	0	0	1,558	0	0	5,173
0 2	24	STANDBY POWER - ROSEHILL-CHANGE IN SCOPE	E CW	S3	04	-2,883	3,175	-19	0	0	273	0	273	С	0	246	0	-54	0	0	81	0	0	273
		Sub-total				4,503	8,795	5,471	4,011	10	22,790	0	22,790	0	0	2,357	0	13,580	0	0	6,853	0	0	22,790
WAT90	<u>6919</u>	RL CLARK W.T.P. R&R																					$\Box$	
0 1	ı	FACILITY & PROCESS UPGRADES	CW	S2	03	200	200	200	200	0	800	0	800	C	0	0	0	800	0	0	0	0	0	800
0 8	3	PROCESS EQUIPMENT UPGRADE ENGINEERING	CW	S2	03	69	1,780	60	35	0	1,944	0	1,944	С	0	118	0	1,826	0	0	0	0	0	1,944
0 1	12	FACILITY & PROCESS UPGRADES - FUTURE	CW	S6	03	0	0	0	0	200	200	1,000	1,200	C	0	0	0	1,200	0	0	0	0	0	1,200
0 1	15	PROCESS EQUIPMENT UPGRADE CONSTRUCTION	CW	S2	03	7,721	2,500	0	0	0	10,221	0	10,221	C	0	621	0	9,600	0	0	0	0	0	10,221
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## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

TTUL	,, , , ,	/grain																					
						Curr	rent and F	uture Year	Cash Flo	w Commitr	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments l	Financed	Ву		
Sub- Prior		ect No. Project Name Proj No. Sub-project Name	Ward	Stat. C	at. 2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Recov	bt - verable	Total Financing
WAT9	06919	RL CLARK W.T.P. R&R											ĺ										
0		EVACUATION AND COMMUNICATION SYSTEMS	CW	S2 (	)3 112	0	0	0	0	112	0	112	c	) C	0	0	112	0	) (	0	0	0	112
0		PROCESS EQUIPMENT UPGRADE CONSTRUC-CHANGE IN SCOPE	CW	S3 (	-693	1,000	0	0	0	307	0	307	c	) C	937	0	-630	0	) (	0	0	0	307
0		PROCESS EQUIPMENT UPGRADE ENGINEER-CHANGE IN SCOPE	CW	S3 (	03 602	-592	0	0	0	10	0	10	C	) C	) 171	0	-161	0	) (	0	0	0	10
0		FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	CW	S3 (	03 51	53	55	56	0	215	0	215	C	) C	0	0	215	0	) (	0	0	0	215
0		EVACUATION AND COMMUNICATION SYSTE-CHANGE IN SCOPE	CW	S3 (	03 -112	0	0	0	0	-112	0	-112	С	) C	0	0	-112	0	) (	0	0	0	-112
		Sub-total			7,950	4,941	315	291	200	13,697	1,000	14,697	0	C	1,847	0	12,850	0	) (	0	0	0	14,697
WAT9	06930	DIST W/M REPLACEMENT																					
0	4	10 YEAR WATERMAIN REPLACEMENT	CW	S6 (	03 0	0	0	73,500	95,000	168,500	475,000	643,500	С	) C	0	0	643,500	0	) (	0	0	0	643,500
0	21	2011 WM REPLC	CW	S2 (	3 3	0	0	0	0	3	0	3	C	0	0	0	3	0	) (	0	0	0	3
0	29	DIST W/M REPLC - 2012	CW	S2 (	)3 147	0	0	0	0	147	0	147	c	) C	0	0	147	0	) (	0	0	0	147
0	42	10 YEAR WATERMAIN UPGRADES	CW	S6 (	05 0	0	0	13,300	17,500	30,800	91,500	122,300	C	) C	0	0	122,300	0	) (	0	0	0	122,300
0	51	DIST W/M REPLACEMENT - 2014	CW	S2 (	365	0	0	0	0	365	0	365	C	) C	57	0	308	0	) (	0	0	0	365
0		WATERMAIN REPLACEMENT - METROLINX	CW	S2 (	1,090	1,796	2,456	0	0	5,342	0	5,342	C	) C	0	0	5,342	0	) (	0	0	0	5,342
0	59	2013 WM REPLC - UPGRADES	CW	S2 (	05 101	0	0	0	0	101	0	101	C	) C	31	0	70	0	) (	0	0	0	101
0		DIST W/M REPLACEMENT - 2015		S2 (		0	0	0	0	2,317	0	2,317	С				,	0			0	0	2,317
0	64	WATERMAIN UPGRADES - 2015	CW	S2 (	390	0	0	0	0	390	0	390	C	) С	) 124	0	266	0	) (	0	0	0	390
0	73	DIST W/M REPLACEMENT - 2016	CW	S2 (	8,933	0	0	0	0	8,933	0	8,933	C	) C	1,371	0	7,562	0	) (	0	0	0	8,933
0	74	WATERMAIN UPGRADES - 2016	CW	S2 (	2,706	0	0	0	0	2,706	0	2,706	C	0	857	0	1,849	0	) (	0	0	0	2,706
0	83	DIST W/M REPLACEMENT - 2017	CW	S2 (	8,289	15	0	0	0	8,304	0	8,304	C	) (	1,230	0	7,074	0	) (	0	0	0	8,304
0	84	WATERMAIN UPGRADES - 2017	CW	S2 (	1,188	0	0	0	0	1,188	0	1,188	C	) C	376	0	812	0	) (	0	0	0	1,188
0	85	DIST W/M REPLACEMENT - 2018	CW	S2 (	52,339	11,690	928	0	0	64,957	0	64,957	C	0	9,264	0	55,693	0	) (	0	0	0	64,957
0	86	WATERMAIN UPGRADES - 2018	CW	S2 (	14,303	2,921	0	0	0	17,224	0	17,224	C	) (	5,789	0	11,435	0	) (	0	0	0	17,224
0	110	DIST W/M REPLACEMENT - 2019	CW	S2 (	55,201	18,616	8,466	253	0	82,536	0	82,536	C	) (	12,834	0	69,702	0	) (	0	0	0	82,536
0	111	WATERMAIN UPGRADES - 2019	CW	S2 (	24,014	8,368	3,688	72	0	36,142	0	36,142	C	) C	11,243	0	24,899	0	) (	0	0	0	36,142
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Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

					ĺ		Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flow	v Commi	tments F	inanced	Ву		
<u>Sub</u> Prio		<u>vject No.</u> <u>Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal (	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt - Recovera Debt	able	Total Financing
WAT	906930	DIST W/M REPLACEMENT																						
0	112	DIST W/M REPLACEMENT - 2014-CHANGE IN SCOPE	CW	S3	03	-350	324	0	0	0	-26	0	-26	0	0	-31	0	5	0	0	0	0	0	-26
0	113	DIST W/M REPLACEMENT - 2015-CHANGE IN SCOPE	CW	S3	03	-2,100	2,153	0	0	0	53	0	53	0	0	-162	0	215	0	0	0	0	0	53
0	114	DIST W/M REPLACEMENT - 2017-CHANGE IN SCOPE	CW	S3	03	-7,519	7,312	0	0	0	-207	0	-207	0	0	-608	0	401	0	0	0	0	0	-207
0	115	DIST W/M REPLACEMENT - 2018-CHANGE IN SCOPE	CW	S3	03	-22,804	11,182	7,179	105	0	-4,338	0	-4,338	0	0	-4,605	0	267	0	0	0	0	0	-4,338
0	116	DIST W/M REPLACEMENT - 2019-CHANGE IN SCOPE	CW	S3	03	-20,817	71,667	97,160	29,461	6,130	183,601	0	183,601	0	0	-7,030	0	190,631	0	0	0	0	0	183,601
0	117	WATERMAIN UPGRADES - 2015-CHANGIN SCOPE	E CW	S3	05	-320	321	0	0	0	1	0	1	0	0	72	0	-71	0	0	0	0	0	1
0	118	WATERMAIN UPGRADES - 2016-CHANGIN SCOPE	E CW	S3	05	-2,601	616	0	0	0	-1,985	0	-1,985	0	0	-496	0	-1,489	0	0	0	0	0	-1,985
0	119	WATERMAIN UPGRADES - 2017-CHANGIN SCOPE	E CW	S3	05	-1,156	289	0	0	0	-867	0	-867	0	0	-215	0	-652	0	0	0	0	0	-867
0	120	DIST W/M REPLACEMENT - 2016-CHANGE IN SCOPE	CW	S3	03	-8,536	3,991	0	0	0	-4,545	0	-4,545	0	0	-1,033	0	-3,512	0	0	0	0	0	-4,545
0	121	WATERMAIN UPGRADES - 2018-CHANGIN SCOPE	E CW	S3	05	-5,262	4,368	0	0	0	-894	0	-894	0	0	2,377	0	-3,271	0	0	0	0	0	-894
0	122	WATERMAIN UPGRADES - 2019-CHANGIN SCOPE	E CW	S3	05	-7,793	10,832	18,831	4,773	2,434	29,077	0	29,077	0	0	6,264	0	22,813	0	0	0	0	0	29,077
0	123	2013 WM REPLC - UPGRADES-CHANGE IN SCOPE	CW	S3	05	-101	0	0	0	0	-101	0	-101	0	0	-31	0	-70	0	0	0	0	0	-101
0	124	DIST W/M REPLC - 2012-CHANGE IN SCOPE	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	0	0	0	0	-10
0	127	WATERMAIN REPLACEMENT - METROLINX-CHANGE IN SCOPE	CW	S3	03	-400	114	460	20	0	194	0	194	0	0	0	0	194	0	0	0	0	0	194
0	130	2011 WM REPLC-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
		Sub-total				91,618	156,575	139,168	121,484	121,064	629,909	566,500	1,196,409	0	0	38,022	0 1	1,158,387	0	0	0	0	0	1,196,409
WAT	906932	DIST W/M REHABILITATION																						
0	3	10 YEAR WATERMAIN REHABILITATION	CW	S6	03	0	1,500	54,000	69,000	70,300	194,800	335,600	530,400	0	0	0	0	530,400	0	0	0	0	0	530,400
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	1,568	0	0	0	0	1,568	0	1,568	0	0	0	0	1,568	0	0	0	0	0	1,568
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	68,624	18,594	239	175	0	87,632	0	87,632	0	0	0	0	87,632	0	0	0	0	0	87,632
0	7	CATHODIC PROTECTION	CW	S2	03	7,162	500	0	0	0	7,662	0	7,662	0	0	0	0	7,662	0	0	0	0	0	7,662
0	30	CUT REPAIR	CW	S2	03	3,549	0	0	0	0	3,549	0	3,549	0	0	0	0	3,549	0	0	0	0	0	3,549
0	34	CUT REPAIR - FUTURE	CW	S6	03	0	142	296	1,260	1,260	2,958	6,300	9,258	0	0	0	0	9,258	0	0	0	0	0	9,258
0	59	PRV INSPECTION & RENEWAL	CW	S2	03	1,600	565	0	0	0	2,165	0	2,165	0	0	0	0	2,165	0	0	0	0	0	2,165

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		ogram																						
							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and F	uture Yea	r Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		i <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAT	906932	DIST W/M REHABILITATION																						
0	60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX	S CW	S2	03	75	75	75	0	0	225	0	225	0	0	0	0	225	0	0	0	0	0	225
0	61	WATERMAIN STRUCTURAL LINING-CHANGE IN SCOPE	CW	S3	03	-20,106	37,385	25,560	0	0	42,839	0	42,839	0	0	0	0	42,839	0	0	0	0	0	42,839
0	62	PRV INSPECTION & RENEWAL-CHANGE IN SCOPE	CW	S3	03	-1,110	1,140	0	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30
0	63	HYDRANT & VALVE REPAIR-CHANGE IN SCOPE	CW	S3	03	-368	930	0	0	0	562	0	562	0	0	0	0	562	0	0	0	0	0	562
0	64	CUT REPAIR-CHANGE IN SCOPE	CW	S3	03	-1,455	2,584	2,584	445	0	4,158	0	4,158	0	0	0	0	4,158	0	0	0	0	0	4,158
0	65	CATHODIC PROTECTION-CHANGE IN SCOPE	CW	S3	03	-3,520	4,756	300	300	0	1,836	0	1,836	0	0	0	0	1,836	0	0	0	0	0	1,836
		Sub-total				56,019	68,171	83,054	71,180	71,560	349,984	341,900	691,884	0	0	0	0	691,884	0	0	0	0	0	691,884
WAT	906934	DIST WATER SERVICE REPAIR			•																			
	4	10 YR WATER SERVICE REPAIR - LEAD PROGRAM			02	0	0	1,300	3,000	9,750	14,050	48,750	62,800	0	0			,	0		0	0	0	62,800
0	6	10 YR WATER SERVICE REPAIR - SOGR	CW	S6	02	0	0	0	10,000	15,000	25,000	90,000	115,000	0	0	0	0	115,000	0	0	0	0	0	115,000
0	12	WATER SERVICE REPAIR - LEAD PROGRAM	CW	S2	02	12,606	4,901	1	0	0	17,508	0	17,508	0	0	0	0	17,508	0	0	0	0	0	17,508
0	32	WSR CUT REPAIR	CW	S2	03	1,613	0	0	0	0	1,613	0	1,613	0	0	0	0	1,613	0	0	0	0	0	1,613
0	39	2012 WATER SERVICE REPLC - SOGR	CW	S2	02	60	0	0	0	0	60	0	60	0	0	0	0	60	0	0	0	0	0	60
0	41	2013 WATER SERVICE REPAIR	CW	S2	02	140	0	0	0	0	140	0	140	0	0	0	0	140	0	0	0	0	0	140
0	45	WSR CUT REPAIR - FUTURE	CW	S6	02	0	797	1,098	6,496	6,496	14,887	32,480	47,367	0	0	0	0	47,367	0	0	0	0	0	47,367
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	148	0	0	0	0	148	0	148	0	0	0	0	148	0	0	0	0	0	148
0	59	2015 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	865	0	0	0	0	865	0	865	0	0	0	0	865	0	0	0	0	0	865
0	68	2016 WATER SERVICE REPLACEMENT - SOGR	CW	S2	02	3,992	0	0	0	0	3,992	0	3,992	0	0	0	0	3,992	0	0	0	0	0	3,992
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW	S2	02	19,035	4,000	2,000	0	0	25,035	0	25,035	0	0	0	0	25,035	0	0	0	0	0	25,035
0	72	10 YR WATER SERVICE REPAIR - WITH WM SL	CW	S6	02	0	0	4,000	8,000	10,000	22,000	50,000	72,000	0	0	0	0	72,000	0	0	0	0	0	72,000
0	73	WATER SERVICE REPLACEMENT - TUNNEL	CW	S6	02	0	0	50	2,000	2,000	4,050	3,500	7,550	0	0	0	0	7,550	0	0	0	0	0	7,550
0	74	REPLACEMENT OF FROZEN SERVICES	CW	S2	02	240	0	0	0	0	240	0	240	0	0	0	0	240	0	0	0	0	0	240
0	75	WSR CUT REPAIRS WITH WM SL	CW	S2	02	1,613	0	0	0	0	1,613	0	1,613	0	0	0	0	1,613	0	0	0	0	0	1,613
0	78	2011 WATER SERVICE REPAIR	CW	S2	02	12	0	0	0	0	12	0	12	0	0	0	0	12	0	0	0	0	0	12

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

VVC	ter Fi	rogram																							
								Curr	ent and Fu	iture Year	Cash Flo	w Commitm	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sul</u> Prid		oject No. bProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
WAT	906934	4 DIST WA	TER SERVICE REPAIR												ĺ									T	
0	84	2017 WA	TER SERVICE REPLACEMENT -	CW	S2	02	6,374	0	0	0	0	6,374	0	6,374	0	(	0 0	0	6,374	0	0	0	0	0	6,374
0	85	2018 WA	TER SERVICE REPLACEMENT -	CW	S2	02	10,000	3,000	0	0	0	13,000	0	13,000	0	(	0 0	0	13,000	0	0	0	0	0	13,000
0	108	2019 WA	TER SERVICE REPLACEMENT -	CW	S2	02	10,000	7,000	3,000	0	0	20,000	0	20,000	0	(	0 0	0	20,000	0	0	0	0	0	20,000
0	109		TER SERVICE REPLACEMENT - GE IN SCOPE	CW	S3	02	-733	1,019	0	0	0	286	0	286	0	(	0 0	0	286	0	) 0	0	0	0	286
0	110		TER SERVICE REPLACEMENT - GE IN SCOPE	CW	S3	02	-3,424	3,436	0	0	0	12	0	12	0	(	0 0	0	12	0	0	0	0	0	12
0	111	S-CHANG	TER SERVICE REPLACEMENT - GE IN SCOPE			02	-5,472	2,917	0	0	0	-2,555	0	-2,555	0	(	0 0	0	-2,555	0	) 0	0	0	0	-2,555
0	112	S-CHANG	TER SERVICE REPLACEMENT - GE IN SCOPE			02	-5,449	3,271	4,252	0	0	2,074	0	·	0			0	2,074	0	) 0		0	0	2,074
0	113	S-CHANG	TER SERVICE REPLACEMENT - GE IN SCOPE		S3	02	-5,000	12,000	20,000	8,000	3,000	38,000	0	38,000	0			0	38,000	0	•		0	0	38,000
0	114	PROGRA	SERVICE REPAIR - LEAD L-CHANGE IN SCOPE		S3	02	-4,410	6,396	5,749	4,050	0	11,785	0	,	0			0	11,785	0	•		0	0	11,785
0	115	SOGR-CI	TER SERVICE REPLC - HANGE IN SCOPE		S3	02	-60	0	0	0	0	-60	0	-60	0			0	-60	0			0	0	-60
0	116		T REPAIR-CHANGE IN SCOPE		S3	03	3,502	7,854	7,854	675	0	19,885	0	.,,,,,,,,	0			0	19,885	0	, ,		0	0	19,885
0	117		R-CHANGE IN SCOPE		S3	02	-133	7 5 1 7	3 500	0	0	-133	0	-133	0		0 0	0	-133	0	•		0	0	-133
0	118	PR-CHAI	SERVICE REPAIR - WM REHAB NGE IN SCOPE TER SERVICE REPLACEMENT -		S3 S3	02	-13,150 -118	7,517	3,500	6,000	0	3,867	0	3,867	0			0	3,867	0	) 0		0		3,867
		S-CHANG	TER SERVICE REPLACEMENT - GE IN SCOPE T REPAIRS WITH WM			02		114 675	675	675	0	•	0	·	0			0	-4	0			0	0	1,132
0	121	SL-CHAN	IGE IN SCOPE		S3		-893	0/5	0/5	675	0	1,132	0	·	0			0	1,132	0	•		0		
0	122	SERVICE	EMENT OF FROZEN S-CHANGE IN SCOPE		S3	02	-240 3	0	0	0	0	-240	0	-240 3	0			0	-240 3	0	•			١	-240
0	123	2011 WS	R-CHANGE IN SCOPE  Sub-total	CVV	S3	02	31,121	64,897	53,479	48,896	46,246	244,639		469,369	0		0 0		469,369	0			0		469,369
WAT	906935	5 NEW SEI	RVICE CONNECTIONS				31,121	04,097	33,479	40,090	40,240	244,009	224,730	409,309	"		· ·		409,309					+	409,309
	2		RVICE CONNECTIONS - CUT	CW	S2	05	5,377	0	0	0	0	5,377	0	5,377	0	(	0 0	0	5,377	0	) 0	0	0	0	5,377
0	7		RVICE CONNECTIONS - SITE	CW	S2	05	6,946	0	0	0	0	6,946	0	6,946	0	(	0 0	0	6,946	0	) 0	0	0	0	6,946
0	14		RVICE CONNECTIONS - 10 Year	CW	S6	05	0	0	0	32,000	32,000	64,000	175,000	239,000	0	(	0 0	0	239,000	0	) 0	0	0	0	239,000
0	15		RVICE CONNECTIONS - CUT	CW	S6	05	0	1,622	2,235	13,223	13,223	30,303	66,115	96,418	0	(	0 0	0	96,418	0	) 0	0	0	0	96,418
0	26	NEW SE	RVICE CONNECTIONS - SITE ANGE IN SCOPE	CW	S3	05	24,213	32,123	34,000	0	0	90,336	0	90,336	0	(	0 0	0	90,336	0	0	0	0	0	90,336
							ı İ					'	1	ı İ	1									1	1

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

							Curre	nt and Fu	ture Year	Cash Flov	w Commitn	nents			Cui	rent and Fu	iture Year	Cash Flo	ow Comm	itments	Finance	d By			
	Project No. Project/ SubProj No. Sub-p	roject Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Del	Debt - Recovera	able	Total Financing
0 2		ONNECTIONS - CUT	CW	S3	05	5,300	18,758	18,758	4,634	0	47,450	0	47,450	c	) 0	0	0	47,450	0		) (	0	0	0	47,450
	REPA-CHANGE II Sub-t					41,836	52,503	54,993	49,857	45,223	244,412	241.115	485.527	0	0	0	0	485,527	. 0		)	0	0	_	485,527
WAT90						11,000	02,000		,	10,220	2,2	211,110	100,021					100,021						$\dashv$	100,021
0 2		ES	CW	S2	03	21,842	8,367	4,378	2,500	1,170	38,257	2,102	40,359	l c	) 0	0	0	40,359	. 0		) (	0	0	0	40,359
0 5			CW		03	0	32,534	34,618	36,591	46,054	149,797	284,282	434,079	C				434,079			) (	0	0	0	434,079
0 5	7 PPFA SALARIES	- FUTURE	CW	S6	03	0	2,292	2,292	2,292	2,292	9,168	11,460	20,628	C	0	0	0	20,628	0		) (	0	0	0	20,628
0 6	3 ROAD RESTORA	TION	CW	S2	03	2,621	2,151	0	0	0	4,772	0	4,772	c	0	0	0	4,772	. 0		) (	0	0	0	4,772
0 7	8 ECS SALARIES-C	CHANGE IN SCOPE	CW	S3	03	14,491	0	0	0	0	14,491	0	14,491	С	0	0	0	14,491	0		) (	0	0	0	14,491
0 7	9 TW SALARIES-C	HANGE IN SCOPE	CW	S3	03	2,148	0	0	0	0	2,148	0	2,148	c	0	0	0	2,148	0	1	) (	0	0	0	2,148
0 8	0 LEGAL SERVICES	S SALARIES-CHANGE IN	CW	S3	03	225	0	0	0	0	225	0	225	c	0	0	0	225	0		) (	0	0	0	225
0 8	1 ROAD RESTORA SCOPE	TION-CHANGE IN	CW	S3	03	-1,473	-1,486	365	365	0	-2,229	0	-2,229	c	0	0	0	-2,229	0		) (	0	0	0	-2,229
0 8	2 CONSULTING FE	ES-CHANGE IN SCOPE	CW	S3	03	-8,002	14,298	20,073	15,999	7,079	49,447	-438	49,009	c	0	0	0	49,009	0		) (	0	0	0	49,009
0 8	3 PPFA SALARIES-	CHANGE IN SCOPE	CW	S3	03	2,935	0	0	0	0	2,935	0	2,935	c	0	0	0	2,935	0		) (	0	0	0	2,935
0 8	4 PMMD SALARIES	-CHANGE IN SCOPE	CW	S3	03	311	0	0	0	0	311	0	311	С	0	0	0	311	0		) (	0	0	0	311
	Sub-t	otal				35,098	58,156	61,726	57,747	56,595	269,322	297,406	566,728	0	0	0	0	566,728	0		)	0	0	0	566,728
WAT90	3977 ISLAND W.T.P. R	<u>kr</u>																							
0 1	FACILITY & PRO	CESS UPGRADES	CW	S2	03	375	375	375	375	0	1,500	0	1,500	С	0	0	0	1,500	0		) (	0	0	0	1,500
0 1	2 FACILITY UPGRAYARD	DE - FORMER MARINE	CW	S2	03	2,164	0	0	0	0	2,164	0	2,164	С	0	0	0	2,164	0		) (	0	0	0	2,164
0 3	2 TRAVELLING SC	REEN REPLACEMENT	CW	S2	03	440	3,191	0	0	0	3,631	0	3,631	c	0	0	0	3,631	0		) (	0	0	0	3,631
0 5	0 AMMONIA AND F UPGRADES	LUORIDE SYSTEM	CW	S2	03	7,948	4,006	7	0	0	11,961	0	11,961	C	0	0	0	11,961	0		) (	0	0	0	11,961
0 5	1 CHEMICAL SYST DISTRIBUTION	EMS` ELECTRICAL FEED	CW	S2	03	1	0	0	0	0	1	0	1	C	0	0	0	1	0		) (	0	0	0	1
0 5	3 FACILITY & PROG FUTURE	CESS UPGRADES -	CW	S6	03	0	0	0	0	375	375	1,875	2,250	С	0	0	0	2,250	0		) (	0	0	0	2,250
0 5	4 FILTER MEDIA RI	EPLC - FUTURE	CW	S4	03	300	0	0	0	0	300	450	750	С	0	0	0	750	0		) (	0	0	0	750
0 6	9 Generators` DR3	Program	CW	S2	04	0	80	695	650	0	1,425	0	1,425	C	0	0	0	1,425	0		) (	0	0	0	1,425

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

							Curre	ent and Fu	ture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	ture Year	Cash Flo	w Commi	tments I	inanced	Ву		
Sub-	- Pro	ject No. Project Name									Total	Total	Total	Provincial	Federal i	Development		Reserve	Capital from			Deb Recov		Total
Prio	ritySub	Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds	Current	Other 1	Other2	Debt		Financing
WATS	<u>906977</u>	ISLAND W.T.P. R&R																						
0	70	PLANTWIDE HVAC UPGRADES	CW	S2	04	2,220	753	0	0	0	2,973	0	2,973	0	0	0	0	2,973	0	C	0	0	0	2,973
0	83	RAW WATER INTAKE CLEANING	CW	S2	03	1,225	0	0	0	0	1,225	0	1,225	0	0	0	0	1,225	0	C	0	0	0	1,225
0	100	RAW WATER INTAKE CLEANING - FUTURE	CW	S6	03	0	0	0	100	4,150	4,250	4,250	8,500	0	0	0	0	8,500	0	C	0	0	0	8,500
0	110	AMMONIA AND FLUORIDE SYSTEM UPGRAD-CHANGE IN SCOPE	CW	S3	03	-7,122	2,444	6,049	7	0	1,378	0	1,378	0	0	0	0	1,378	0	C	0	0	0	1,378
0	111	TRAVELLING SCREEN REPLACEMENT-CHANGE IN SCOPE	CW	S3	03	-10	-2,151	1,100	6,300	1,100	6,339	0	6,339	0	0	0	0	6,339	0	C	0	0	0	6,339
0	112	FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	CW	S3	03	195	273	190	56	0	714	0	714	0	0	0	0	714	0	C	0	0	0	714
0	113	RAW WATER INTAKE CLEANING-CHANGE IN SCOPE	CW	S3	03	0	259	0	0	0	259	0	259	0	0	0	0	259	0	C	0	0	0	259
0	114	REHABILITATION OF BUILDINGS & GROUNDS	CW	S6	03	0	100	700	600	3,250	4,650	3,600	8,250	0	0	0	0	8,250	0	C	0	0	0	8,250
0	115	FACILITY UPGRADES	CW	S6	04	0	0	0	0	0	0	950	950	0	0	0	0	950	0	C	0	0	0	950
0	116	FLOW CONDITIONING STRUCTURES	CW	S6	04	0	100	1,150	650	0	1,900	0	1,900	0	0	0	0	1,900	0	C	0	0	0	1,900
0	117	ISLAND PHOTOVOLTAIC SYSTEM	CW	S4	05	100	700	2,300	3,300	0	6,400	0	6,400	0	0	0	0	6,400	0	C	0	0	0	6,400
0	118	FIS - JSPS CROSS HARBOUR TUNNEL REHABILITATION	CW	S4	03	500	8,000	0	0	0	8,500	0	8,500	0	0	0	0	8,500	0	C	0	0	0	8,500
0	119	FACILITY UPGRADE - FORMER MARINE Y-CHANGE IN SCOPE	CW	S3	03	-827	815	0	0	0	-12	0	-12	0	0	0	0	-12	0	C	0	0	0	-12
0	120	Generators` DR3 Program-CHANGE IN SCOPE	CW	S3	04	0	-80	-695	-570	695	-650	650	0	0	0	0	0	0	0	C	0	0	0	0
0	121	PLANTWIDE HVAC UPGRADES-CHANGE IN SCOPE	CW	S3	04	-1,644	2,047	2,807	137	0	3,347	0	3,347	0	0	0	0	3,347	0	C	0	0	0	3,347
		Sub-total				5,865	20,912	14,678	11,605	9,570	62,630	11,775	74,405	0	0	0	0	74,405	0	C	0	0	0	74,405
WATS	07353	LAWRENCE ALLAN REVITALIZATION PLA	AN																				$\neg$	
0	1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	11,668	5,775	473	210	0	18,126	0	18,126	0	0	18,126	0	0	0	C	0	0	0	18,126
0	2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	250	3,592	3,842	0	0	7,684	0	7,684	0	0	7,684	0	0	0	C	0	0	0	7,684
0	13	LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SCOPE	CW	S3	05	-8,368	-3,275	3,227	0	0	-8,416	0	-8,416	0	0	-8,416	0	0	0	C	0	0	0	-8,416
0	14	LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SCOPE	CW	S3	05	-250	0	0	806	0	556	0	556	0	0	556	0	0	0	C	0	0	0	556
		Sub-total				3,300	6,092	7,542	1,016	0	17,950	0	17,950	0	0	17,950	0	0	0	C	0	0	0	17,950
WATS	07558	REGENT PARK CAPITAL CONTRIBUTION	I																				$\dashv$	
0		REGENT PARK CAPITAL CONTRIBUTION PHASE 3 - 5		S2	05	1,133	1,416	830	51	71	3,501	40	3,541	0	0	3,541	0	0	0	C	0	0	0	3,541

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							Curre	ent and Fu	ture Year	Cash Flov	v Commitm	ents			Cur	rent and Fu	uture Yea	r Cash Flo	w Comm	itments	Financ	ed By	/	
<u>Sub</u> Prio		i <u>ect No.    Project Name</u> Proj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Othe	·2 D	Debt - Recoverabl ebt	Total Financing
WATS	907558	REGENT PARK CAPITAL CONTRIBUTION	<u> </u>																					
0	16	REGENT PARK CAPITAL CONTRIBUTIONCHANGE IN SCOPE	l 13	S3	05	-591	0	591	0	0	0	0	0	0	0	0	0	0	C	)	0	0	0 (	0
		Sub-total				542	1,416	1,421	51	71	3,501	40	3,541	0	0	3,541	0	0	C	)	0	0	0	3,541
WAT	907946	BUSINESS IT PROJECTS																						
0	7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,554	1,325	1,000	400	350	4,629	0	4,629	0	0	0	0	4,629	C	)	0	0	0	4,629
0	18	ENTERPRISE WORK MANAGEMENT SYSTEM -CHANGE IN SCOPE	CW	S3	04	-654	-400	250	400	500	96	0	96	0	0	0	0	96	C	)	0	0	0 (	96
		Sub-total				900	925	1,250	800	850	4,725	0	4,725	0	0	0	0	4,725	C	)	0	0	0	4,725
WAT	908087	TRUNK WATERMAIN																						
0	1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	5,801	4,575	41	92	0	10,509	0	10,509	0	0	0	0	10,509	C	)	0	0	0	10,509
0	4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	4,369	1,000	0	0	0	5,369	0	5,369	0	0	0	0	2,684	C	)	0 2,6	85	0	5,369
0	5	CAST IRON T/M REPLACEMENT - FUTURE	CW	S6	03	0	1,200	1,850	14,200	24,650	41,900	124,250	166,150	0	0	0	0	166,150	C	)	0	0	0	166,150
0	6	3RD PARTY RELOCATIONS (METROLINX	CW	S2	04	50	50	50	0	0	150	0	150	0	0	0	0	150	C	)	0	0	0	150
0	16	TRANSMISSION SYSTEM AUTOMATION-CHANGE IN SCOPE	CW	S3	04	-5,381	-1,057	3,236	3,241	41	80	92	172	0	0	0	0	172	C	)	0	0	0	172
0	17	JOS - REVENUE METER REPLACEMENT-CHANGE IN SCOPE	CW	S3	03	-929	1,175	0	0	0	246	0	246	0	0	0	0	123	C	)	0 1	23	0	246
		Sub-total				3,910	6,943	5,177	17,533	24,691	58,254	124,342	182,596	0	0	0	0	179,788	C	)	0 2,8	808	0	182,596
WAT	908248	WT&S PLANTWIDE																						
0	1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	248	0	0	0	0	248	0	248	0	0	0	0	248	C	)	0	0	0	248
0	2	UV DISINFECTION - ENGINEERING	CW	S6	04	0	0	0	700	980	1,680	7,140	8,820	0	0	0	0	8,820	C	)	0	0	0	8,820
0	3	UV DISINFECTION - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	63,210	63,210	0	0	0	0	63,210	C	)	0	0	0 (	63,210
0	4	ZEBRA MUSSEL CONTROL - ENG	CW	S2	04	738	450	450	175	32	1,845	32	1,877	0	0	0	0	1,877	C	)	0	0	0	1,877
0	5	ZEBRA MUSSEL CONTROL - CONSTRUCTION	CW	S4	04	250	4,250	4,500	10,000	1,000	20,000	0	20,000	0	0	0	0	20,000	C	)	0	0	0	20,000
0	6	STANDBY POWER - PHASE 2 - ENG	CW	S2	04	1,768	2,750	3,170	1,686	760	10,134	700	10,834	0	0	655	0	6,929	C	)	0 3,2	50	0	10,834
0	7	STANDBY POWER - FUTURE	CW	S6	04	0	0	300	450	700	1,450	4,150	5,600	0	0	581	0	3,338	C	)	0 1,6	81	0 (	5,600
0	10	UV DISINFECTION - ISLAND WTP - ENGINEERING	CW	S2	04	1,251	500	1,000	550	150	3,451	50	3,501	0	0	0	0	3,501	C	)	0	0	0 (	3,501
0	11	UV DISINFECTION - ISLAND WTP - CONSTRUCTION	CW	S6	04	0	0	10,000	10,000	6,690	26,690	0	26,690	0	0	0	0	26,690	C	)	0	0	0	26,690
0	12	SCRUBBER AND TONNER CONNECTION IMPROVEMENTS AT WTP	I CW	S2	04	1,956	1,168	500	470	5	4,099	0	4,099	0	0	256	0	2,613	C	)	0 1,2	30	0 (	4,099

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								Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Yea	r Cash Flo	ow Comm	itments F	inanced	Ву		
Sub Prio			<u>Project Name</u> Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAT	908248	WT&S PL	<u>ANTWIDE</u>																						
0	18		WATER PROTECTION-LAKE COLLABORATIVE	CW	S2	04	375	305	0	0	0	680	0	680	0	0	0	0	680	0	0	0	0	0	680
0	19	STANDBY CONSTRI	POWER - PHASE 2 - JCTION	CW	S6	04	0	3,500	16,000	22,500	15,100	57,100	6,500	63,600	o	0	0	0	44,520	0	0	19,080	0	0	63,600
0	20	STANDBY CONSTRI	POWER - FUTURE - JCTION	CW	S6	04	0	0	0	0	1,500	1,500	26,500	28,000	o	0	2,900	0	16,700	0	0	8,400	0	0	28,000
0	21		ER AND TONNER CONNECTION NGE IN SCOPE	I CW	S3	04	-1,415	1,159	1,115	1,145	1,482	3,486	58	3,544	o	0	535	0	1,945	0	0	1,064	0	0	3,544
0	22		FECTION - CONCEPTUAL HANGE IN SCOPE	CW	S3	04	-248	0	0	0	0	-248	0	-248	o	0	0	0	-248	0	0	0	0	0	-248
0	23		WATER PROTECTION-LAKE HANGE IN SCOPE	CW	S3	04	-375	125	650	650	0	1,050	0	1,050	o	0	0	0	1,050	0	0	0	0	0	1,050
0	24		FECTION - ISLAND WTP - NGE IN SCOPE	CW	S3	04	-606	96	-955	450	454	-561	95	-466	0	0	0	0	-466	0	0	0	0	0	-466
0	25		POWER - PHASE 2 - NGE IN SCOPE	CW	S3	04	-608	-318	188	484	226	-28	60	32	0	0	471	0	-449	0	0	10	0	0	32
0	26		USSEL CONTROL - NGE IN SCOPE	CW	S3	04	-388	143	-90	247	95	7	-21	-14	0	0	0	0	-14	0	0	0	0	0	-14
			Sub-total				2,946	14,128	36,828	49,507	29,174	132,583	108,474	241,057	0	0	5,398	0	200,944	. 0	0	34,715	0	0	241,057
То	tal Pro	ogram E	xpenditure				350,393	557,898	580,998	526,451	464,255	2,479,995	2,131,481	4,611,476	0	0	111,016	0	4,443,535	0	0	56,925	0	0	4,611,476

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Report 7C

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)

## Appendix 7: 2019 Capital Budget;2020-2028 Capital Plan Including Carry Forward Funding

Water Program																			
	(	Current and	Future Ye	ar Cash F	low Com	mitments aı	nd Estimate	s		Curren	t and Future	Year Cas	h Flow C	ommitme	nts and I	Estimate	s Finance	d By	
<u>Sub- Project No. Project Name</u> Priority SubProj No. Sub-project Name Ward Stat.	cat. 2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	Debt - coverable	Total Financing
Financed By:																			
Development Charges	28,710	32,531	27,372	7,082	4,498	100,193	10,823	111,016	0	0	111,016	0	0	0	C	) (	) 0	0	111,016
Reserve Funds (Ind."XR" Ref.)	315,566	514,998	541,767	509,571	453,344	2,335,246	2,108,289	4,443,535	0	0	0	0	4,443,535	0	C	) (	) 0	0	4,443,535
Other2 (External)	6,117	10,369	11,859	9,798	6,413	44,556	12,369	56,925	0	0	0	0	0	0	C	56,925	<u> </u>	0	56,925
Total Program Financing	350,393	557,898	580,998	526,451	464,255	2,479,995	2,131,481	4,611,476	0	0	111,016	0	4,443,535	0	C	56,925	0	0	4,611,476

S2	S2 Prior Year (With 2019 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2019 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 2020 & Beyond)

**Category Code Description** 01 Health and Safety C01

Status Code Description

02 Legislated C02 State of Good Repair C03

Service Improvement and Enhancement C04

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Capital Deht. Total Total Total Sub- Project No. Project Name Provincial Reserve from Recoverable Federal Development Grants and Reserves Funds PrioritySubProj No. Sub-project Name Ward Stat. Cat 2019 2020 2021 2022 2023 2019-2023 2024-2028 2019-2028 Subsidy Charges Current Other 1 Other 2 Debt Financing WAS000007 ASHBRIDGES BAY WWTP REHAB **FERROUS UPGRADES** CW S2 03 7.097 31 0 7,128 7.128 585 0 6.543 0 7,128 **ELECTRICAL REHAB - ECAP** 2,857 CW S2 2.785 72 2.857 2.857 0 30 01 0 0 n 0 0 0 2.857 n n POLYMER UPGRADE CW S2 0.3 21,950 38,909 11,110 18,974 222 91,165 91,165 91,165 91,165 47 P BLDG HEADWORKS ENG CW S2 2,082 275 2,406 2,406 253 2,406 0.3 49 n 0 2.153 0 0 **DESIGN&CONTRACT ADMIN** PROCESS UPGRADES & ODOUR S2 04 81 0 0 8 81 73 0 81 CONTROL ENGINEERING PROCESS AND EQUIPMENT 4,763 189 CW S2 03 1,463 1,100 1,100 1,100 4,763 4,763 0 0 0 4.763 n 0 0 190 GROUND AND FACILITIES CW S2 03 696 440 440 440 2.016 2.016 0 0 0 2.016 0 0 0 2.016 200 PROCESS AND FACILTIES - FUTURE CW S6 03 0 0 0 400 400 9,700 10,100 0 0 0 10,100 0 0 0 10,100 DIGESTERS CLEANING REHAB - TANKS CW 5.566 3.690 12,880 12.880 12.880 12.880 0 215 S2 3 615 0 0 0.3 5 0 0 0 14, 16, 13 216 OPERATIONS CENTRE - ENGINEERING S2 260 0 0 260 260 260 0 260 225 **DIGESTER CLEANING & UPGRADES -**CW S6 0.3 0 0 100 6.300 6.400 12,800 44.100 56,900 56 900 0 0 56,900 0 n 0 0 0 0 n **FUTURE** 226 ABTP - PROCESS ROADMAP PHASE 2 CW S2 05 1,000 500 1,500 1,500 1,500 0 1,500 2,637 AIR HEADER REHAB CW S2 2,637 2,637 2,637 227 03 n 0 0 0 0 0 2.637 n 0 0 D BUILDING PHASE 2 45.659 229 03 2.144 11.000 11.000 11.000 10.405 45.549 110 45.659 45.659 0 246 **NEW FLEET PURCHASES** CW S2 04 25 25 25 25 100 100 0 0 100 0 0 0 100 255 FINAL TANK UPGRADES - TANKS 10 & 11 CW S6 0.3 0 0 0 100 2.200 2.300 3.300 5.600 0 0 0 5.600 0 0 0 5.600 256 DIGESTER CLEANING - 10 YEAR PLAN CW S4 03 200 500 240 350 700 1,990 21,500 23,490 0 0 0 23,490 0 23,490 HVAC CONVERSION Z-BLDG CW S2 28 28 264 0.3 28 n 0 28 28 0 0 n 0 n 0 0 0 n OPERATIONS CENTRE - ENGINEERING & CW 0 200 400 5.500 5,500 11,600 11,600 11.600 0 11,600 CONSTRUCTION 285 BLOWER 7-9 OVERHAUL CW S2 0.3 500 n 0 0 500 500 n 0 0 n 500 n n 0 500 292 **BLOWER STUDY** S2 03 100 0 100 100 100 0 100 BLOWER STUDY-CHANGE IN SCOPE -100 -100 306 CW S3 03 -100 0 -100 0 0 0 -100 0 0 NEW FLEET PURCHASES-CHANGE IN 307 S3 25 25 25 25 0 25 0 0 308 D BUILDING PHASE 2-CHANGE IN SCOPE CW S3 -1,046 -4,882 -1,548 -1,600 -6,306 -15,382 -63 -15,445 0 -15,445 -15,445

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

						Cur	rent and Fu	iture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sul</u>		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name V	Vard S	Stat (	Cat. 2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera	- 1	Total Financing
		ASHBRIDGES BAY WWTP REHAB					-	-					Subsidies									_	
	309	AIR HEADER REHAB-CHANGE IN SCOPE	CW	S3	03 -2,17	6 766	0	0	0	-1,410	0	-1,410	α	0	0	0	-1,410	0	0	0	0	0	-1,410
0	310	DIGESTERS CLEANING REHAB - TANKS 1-CHANGE IN SCOPE	CW	S3	03 -1,76	2 202	727	0	1	-832	0	-832	0	0	0	0	-832	0	0	0	0	0	-832
0	311	POLYMER UPGRADE-CHANGE IN SCOPE	CW	S3	03 -20,52	5 -8,895	17,908	4,444	17,388	10,320	371	10,691	0	0	0	0	10,691	0	0	0	0	0	10,691
0	312	GROUND AND FACILITIES-CHANGE IN SCOPE	CW	S3	03 -9	6 0	0	0	440	344	0	344	0	0	0	0	344	0	0	0	0	0	344
0	313	PROCESS AND EQUIPMENT-CHANGE IN SCOPE	CW	S3	03 -29	0 210	55	56	1,100	1,131	0	1,131	o	0	0	0	1,131	0	0	0	0	0	1,131
0	314	FERROUS UPGRADES-CHANGE IN SCOPE	CW	S3	03 -1,75	4 1,821	0	0	0	67	0	67	o	0	480	0	-413	0	0	0	0	0	67
0	315	ELECTRICAL REHAB - ECAP-CHANGE IN SCOPE	CW	S3	01 -2,29	2,380	224	0	0	310	0	310	0	0	0	0	310	0	0	0	0	0	310
0	316	P BLDG HEADWORKS ENG DESIGN&CONTRA-CHANGE IN SCOPE	CW	S3	03 -38	4 861	176	0	0	653	0	653	0	0	206	0	447	0	0	0	0	0	653
0	317	PROCESS UPGRADES & ODOUR CONTROL E-CHANGE IN SCOPE	CW	S3	04 -6	0 90	0	0	0	30	0	30	0	0	9	0	21	0	0	0	0	0	30
0	318	HEATING AND AIR SYSTEMS	CW	S4	03 70	5 4,095	5,755	6,005	2,555	19,115	130	19,245	0	0	0	0	19,245	0	0	0	0	0	19,245
0	320	EAST BYPASS	CW	S4	02 25	0 700	1,450	1,200	10,800	14,400	73,610	88,010	0	0	0	0	88,010	0	0	0	0	0	88,010
0	321	ABTP SOLAR PV PILOT PROJECT	CW	S4	04 25	0 2,050	75	225	0	2,600	0	2,600	o	0	0	0	2,600	0	0	0	0	0	2,600
0	322	SECONDARY CLARIFIER CROSS COLLECTOR UPGR TANK 2&4	CW	S4	04 7	5 1,800	1,100	15	10	3,000	0	3,000	o	0	0	0	3,000	0	0	0	0	0	3,000
0	323	BLOWER 7-9 OVERHAUL-CHANGE IN SCOPE	CW	S3	03	0 500	0	0	0	500	0	500	o	0	0	0	500	0	0	0	0	0	500
0	324	ABTP - PROCESS ROADMAP PHASE 2-CHANGE IN SCOPE	CW	S3	05 -50	0 350	850	100	0	800	0	800	o	0	0	0	800	0	0	0	0	0	800
0	325	HVAC CONVERSION Z-BLDG-CHANGE IN SCOPE	CW	S3	03	0 100	130	0	0	230	0	230	o	0	0	0	230	0	0	0	0	0	230
0	326	OPERATIONS CENTRE - ENGINEERING-CHANGE IN SCOPE	CW	S3	03 -1	0 0	0	0	0	-10	0	-10	o	0	0	0	-10	0	0	0	0	0	-10
		Sub-total			18,89	7 58,890	54,981	54,239	51,844	238,851	152,758	391,609	0	0	1,541	0	390,068	0	0	0	0	0	391,609
WAS	000115	HUMBER T.P.																					
0	9	CO-GENERATION	CW	S2	04 8	7 0	0	0	0	87	0	87	0	0	0	0	87	0	0	0	0	0	87
0	64	CO-GENERATION-CHANGE IN SCOPE	CW	S3	04	3 0	0	0	0	33	0	33	О	0	0	0	33	0	0	0	0	0	33
		Sub-total			12	0 0	0	0	0	120	0	120	0	0	0	0	120	0	0	0	0	0	120
WAS	000259	TRUNK SEWER SYSTEM																				1	
0	15	TRUNK SEWER REHABILITATION - 2012	CW	S2	03 1,09	3 87	16	0	0	1,196	0	1,196	α	0	0	0	1,196	0	0	0	0	0	1,196

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

vv	asiew	ater Pro	gram																						
								Curr	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		oject No.	Project Name Sub-project Name	Ward	Stat	Cat	2019	2020	2021	2022	2023	Total	Total 2024-2028	Total 2019-2028	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover	able	Total Financing
_			SEWER SYSTEM	vvaiu	Otat.	Cat.	2010	2020		LULL	2020	2013-2023	202 : 2020	2013-2020	Subsidies	Cubbidy					Outor 1	Othorz	Ворг	$\dashv$	Tillallollig
0		BLACK (	CREEK STS DESIGN &	CW	S6	05	0	1,000	3,545	12,400	28,150	45,095	258,900	303,995	0	(	0 0	0	303,995	С	) 0	0	0	0	303,995
0	27	TRUNK	SEWER REHABILITATION - 2014	CW	S2	03	23,755	3,380	10	14	0	27,159	0	27,159	0	(	0 0	0	27,159	C	0	0	0	0	27,159
0	34	BLACK (	CREEK STS EA	CW	S2	05	1,352	0	0	0	0	1,352	0	1,352	0	(	0 0	0	1,352	C	0	0	0	0	1,352
0	47	TRUNK	SEWER REHABILITATION - 2016	CW	S2	03	22,085	9,047	1,535	151	0	32,818	0	32,818	0	(	0 0	0	32,818	C	0	0	0	0	32,818
0	53	TRUNK	SEWER REHABILITATION - 2018	CW	S2	03	13,962	44,974	69,585	39,611	9,357	177,489	142	177,631	0	(	0 0	0	177,631	C	) 0	0	0	0	177,631
0	55	TRUNK S	SEWER REHABILITATION -	CW	S6	03	0	300	1,400	10,965	25,230	37,895	170,117	208,012	0	(	0 0	0	208,012	C	0	0	0	0	208,012
0	62	TRUNK	SEWER REHABILITATION - ANGE IN SCOPE	CW	S3	03	-742	943	5	0	0	206	0	206	0	(	0 0	0	206	C	) 0	0	0	0	206
0	63		SEWER REHABILITATION - ANGE IN SCOPE	CW	S3	03	-10,775	1,514	-1,524	-151	0	-10,936	0	-10,936	0	(	0 0	0	-10,936	C	0	0	0	0	-10,936
0	64	BLACK (	CREEK STS EA-CHANGE IN	CW	S3	05	-887	347	0	0	0	-540	0	-540	0	(	0 0	0	-540	C	) 0	0	0	0	-540
0	65		SEWER REHABILITATION - ANGE IN SCOPE	CW	S3	03	-7,439	2,360	-8,650	-3,181	8,600	-8,310	8,002	-308	0	(	0 0	0	-308	C	0	0	0	0	-308
0	66		SEWER REHABILITATION - ANGE IN SCOPE	CW	S3	03	-15,447	12,590	2,256	2	0	-599	0	-599	0	(	0 0	0	-599	C	0	0	0	0	-599
0	67	TRUNK	SEWER REHABILITATION - 2019	CW	S4	03	775	2,635	5,470	32,777	8,813	50,470	11,958	62,428	0	(	0 0	0	62,428	C	0	0	0	0	62,428
0	68	LOWER	SIMCOE CSO	CW	S4	04	700	1,100	700	900	8,400	11,800	10,200	22,000	0	(	0 0	0	22,000	C	0	0	0	0	22,000
			Sub-total				28,432	80,277	74,348	93,488	88,550	365,095	459,319	824,414	0	(	0 0	0	824,414	C	) 0	0	0	0	824,414
WA	S00044	2 BASEME	NT FLOODING RELIEF																						
0	1		ENT FLOODING PROTECTION Y PROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	(	0 0	0	11,000	C	0	0	0	0	11,000
0	8	BASEME	ENT FLOODING STUDIES & EAS	CW	S2	04	701	0	0	0	0	701	0	701	0	(	0 7	0	694	C	0	0	0	0	701
0	9	BASEME PROJEC	NT FLOODING RELIEF - TUNNE T	L CW	S2	04	5,446	5,800	37,700	37,000	37,000	122,946	81,900	204,846	0	(	96	0	204,750	C	) 0	0	0	0	204,846
0	12	ROAD R PRJS	ESTORATION FOR BSMT FLDG	CW	S2	04	292	0	0	0	0	292	0	292	0	(	0 2	0	290	C	) 0	0	0	0	292
0	14	BASEME 1	NT FLOODING DESIGN - GROU	P CW	S2	04	1,206	0	0	0	0	1,206	0	1,206	0	(	0 20	0	1,186	C	0	0	0	0	1,206
0	18	BASEME 2	NT FLOODING DESIGN - GROU	P CW	S2	04	3,135	2,126	0	0	0	5,261	0	5,261	0	(	0 15	0	5,246	C	) 0	0	0	0	5,261
0	19	BASEME 2	NT FLOODING RELIEF - GROUP	P CW	S2	04	16,906	4,203	0	0	0	21,109	0	21,109	0	(	0 450	0	20,659	C	0	0	0	0	21,109
0	20	BASEME 3	NT FLOODING DESIGN - GROU	P CW	S2	04	2,219	1,030	919	0	0	4,168	0	4,168	0	(	54	0	4,114	C	0	0	0	0	4,168
0	29	BASEME 1	NT FLOODING RELIEF - GROUP	P CW	S2	04	2,528	30	0	0	0	2,558	0	2,558	0	(	0 2	0	2,556	C	) 0	0	0	0	2,558

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

					[		Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	ritySub	oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovers Debt	able	Total Financing
WAS	000442	BASEMENT FLOODING RELIEF																						
0	52	BASEMENT FLOODING RELIEF - FUTUR	E CW	S6	04	0	0	0	0	0	0	400,000	400,000	0	0	27,000	0	373,000	0	0	0	0	0	400,000
0	76	BASEMENT FLOODING FLOW MONITORING	CW	S2	04	954	982	0	0	0	1,936	0	1,936	0	0	0	0	1,936	0	0	0	0	0	1,936
0	77	BASEMENT FLOODING DESIGN - GROU 4 (ENGINEERING)	P CW	S2	04	34,297	34,520	42,713	47,250	46,465	205,245	123,754	328,999	0	0	513	0	328,486	0	0	0	0	0	328,999
0	81	BASEMENT FLOODING STUDIES & EAS-CW IMPLEMENTATION	CW	S2	04	5,758	3,755	1,750	1,000	750	13,013	0	13,013	0	0	65	0	12,948	0	0	0	0	0	13,013
0	84	10 YEAR BASEMENT FLOODING STUDIES & EAs	CW	S6	04	0	100	186	289	291	866	1,500	2,366	0	0	355	0	2,011	0	0	0	0	0	2,366
0	85	10 YEAR BASEMENT FLOODING FLOW MONITORING	CW	S6	04	0	0	1,000	1,025	1,051	3,076	5,668	8,744	0	0	1,313	0	7,431	0	0	0	0	0	8,744
0	89	BASEMENT FLOODING RELIEF - GROUF 4 (CONSTRUCTION)	CW	S2	04	39,481	63,740	44,277	53,652	72,173	273,323	196,981	470,304	0	0	1,020	0	469,284	0	0	0	0	0	470,304
0	90	NEW - REFRESHING EXPIRED EA'S	CW	S6	04	0	600	1,100	1,500	1,500	4,700	15,500	20,200	0	0	3,031	0	17,169	0	0	0	0	0	20,200
0	91	BASEMENT FLOODING DESIGN - GROU 5	P CW	S6	04	0	0	0	0	3,000	3,000	103,000	106,000	0	0	15,900	0	90,100	0	0	0	0	0	106,000
0	93	BASEMENT FLOODING PROTECTION SUBSIDY PROG - FUTURE	CW	S6	04	0	0	5,500	5,500	5,500	16,500	27,500	44,000	0	0	0	0	44,000	0	0	0	0	0	44,000
0	107	BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTION)	CW	S2	04	12,443	16,744	13,978	0	0	43,165	0	43,165	0	0	396	0	42,769	0	0	0	0	0	43,165
0	132	BASEMENT FLOODING STUDIES & EAS-CW-CHANGE IN SCOPE	CW	S3	04	-1,238	9,861	19,915	17,940	14,505	60,983	1,100	62,083	0	0	7,146	0	54,937	0	0	0	0	0	62,083
0	133	BASEMENT FLOODING RELIEF - GROUP 1-CHANGE IN SCOPE	cw	S3	04	-2,407	911	0	0	0	-1,496	0	-1,496	0	0	157	0	-1,653	0	0	0	0	0	-1,496
0	134	BASEMENT FLOODING DESIGN - GROU 3-CHANGE IN SCOPE	P CW	S3	04	-282	529	0	0	0	247	0	247	0	0	609	0	-362	0	0	0	0	0	247
0	135	BASEMENT FLOODING DESIGN - GROU 4-CHANGE IN SCOPE	P CW	S3	04	-17,697	-4,557	-8,750	-1,929	-16,628	-49,561	-54,771	-104,332	0	0	33,186	0	-137,518	0	0	0	0	0	-104,332
0	136	BASEMENT FLOODING RELIEF - GROUF 4-CHANGE IN SCOPE	cw	S3	04	-15,156	-25,088	15,734	14,510	-2,455	-12,455	38,994	26,539	0	0	63,283	0	-36,744	0	0	0	0	0	26,539
0	137	BASEMENT FLOODING STUDIES & EAS-CHANGE IN SCOPE	CW	S3	04	-616	400	150	200	0	134	0	134	0	0	119	0	15	0	0	0	0	0	134
0	138	BASEMENT FLOODING RELIEF - GROUF 3-CHANGE IN SCOPE	CW	S3	04	-3,450	3,101	-492	6,284	0	5,443	0	5,443	0	0	6,896	0	-1,453	0	0	0	0	0	5,443
0	139	BASEMENT FLOODING RELIEF - TUNNE -CHANGE IN SCOPE	L CW	S3	04	-1,761	2,165	-17,693	-850	0	-18,139	23,000	4,861	0	0	31,361	0	-26,500	0	0	0	0	0	4,861
0	140	BASEMENT FLOODING DESIGN - GROU 1-CHANGE IN SCOPE	P CW	S3	04	-1,076	1,703	0	0	0	627	0	627	0	0	255	0	372	0	0	0	0	0	627
0	141	BASEMENT FLOODING RELIEF - GROUP 2-CHANGE IN SCOPE	CW	S3	04	-8,554	11,046	0	0	0	2,492	0	2,492	0	0	3,090	0	-598	0	0	0	0	0	2,492
0	142	BASEMENT FLOODING DESIGN - GROU 2-CHANGE IN SCOPE	P CW	S3	04	-3,032	3,854	0	0	0	822	0	822	0	0	897	0	-75	0	0	0	0	0	822
0	143	BASEMENT FLOODING FLOW MONITORING-CHANGE IN SCOPE	CW	S3	04	606	308	0	0	0	914	0	914	0	0	428	0	486	0	0	0	0	0	914

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

							Curre	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cur	rent and Fu	uture Year Cash	Flow	Commit	ments	Financed	Ву		
Sub Prio		iect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges	Rese Reserves Fund	rve ds C	Capital from Current (	Other 1	Other2	Rec	Debt - coverable	Total Financing
WAS	000442	BASEMENT FLOODING RELIEF																						
0	144	ROAD RESTORATION FOR BSMT FLDG PRJ-CHANGE IN SCOPE	CW	S3	04	-198	202	0	0	0	4	0	4	0	0	42	0	-38	0	(	0 0	0	0	4
		Sub-total				76,005	143,565	157,987	183,371	163,152	724,080	964,126	1,688,206	0	0	197,708	01,490,	498	0	(	0 0	0	(	1,688,206
WAS	000521	HIGHLAND CREEK WWTP - BUILDING SE	ERV &		Ì																			
0	3	HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,375	0	0	0	0	1,375	0	1,375	0	0	0	0 1,	375	0	(	0 0	0	0	1,375
0	11	HCTP BLDG REHAB & IMPROVEMENTS-CHANGE IN SCOPE	CW	S3	03	-375	350	0	0	0	-25	0	-25	0	0	0	0	-25	0	(	0 0	0	0	-25
		Sub-total				1,000	350	0	0	0	1,350	0	1,350	0	0	0	0 1,	350	0	(	0 0	0	. (	1,350
WAS	906322	W&WW LABORATORIES																						
0	22	LAB & EMP FACILITIES	CW	S2	04	7,550	2,500	0	0	0	10,050	8,450	18,500	0	0	0	0 18,	500	0	C	0 0	0	0	18,500
0	27	LAB EQUIPMENT - FUTURE	CW	S2	03	337	242	458	102	210	1,349	840	2,189	0	0	0	0 2,	189	0	C	0 0	0	0	2,189
0	33	LAB EQUIPMENT - FUTURE-CHANGE IN SCOPE	CW		03	-337	2	0	-102	0	-437	210	-227	0		0		227	0	C				]
0	34	LAB EQUIPMENT-CHANGE IN SCOPE	CW	S3	03	562	0	0	0	0	562	0	562	0	0	0	0	562	0	(	0 0	0	0	562
0	35	LAB & EMP FACILITIES-CHANGE IN SCOPE	CW	S3	04	-6,500	1,750	4,950	0	0	200	0	200	0	0	0	0	200	0	(	0 0	0	0	200
		Sub-total				1,612	4,494	5,408	0	210	11,724	9,500	21,224	0	0	0	0 21,	224	0	(	0 0	0	. (	21,224
WAS	906328	SWM END OF PIPE FACILITIES																						
0	6	DON VALLEY SWM	CW	S6	04	0	0	0	0	40	40	3,920	3,960	0	0	586	0 3,	374	0	(	0 0	0	0	3,960
0	10	Etobicoke Waterfront Construction	CW	S6	04	0	0	0	0	0	0	80,500	80,500	0	0	11,911	0 68,	589	0	C	0 0	0	0	80,500
0	11	Bonar Creek SWMF Construction	CW	S2	04	1,750	9,250	9,125	175	0	20,300	0	20,300	0	0	1,633	0 18,	667	0	C	0 0	0	0	20,300
0	12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	80	0	920	0	(	0 0	0	0	1,000
0	38	COATSWORTH CUT WETLAND	CW	S6	04	0	0	0	0	0	0	10,260	10,260	0	0	1,518	0 8,	742	0	C	0 0	0	0	10,260
0	57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	0	0	0	47,950	47,950	0	0	3,860	0 44,	090	0	C	0 0	0	0	47,950
0	64	HUMBER BAY POND (ETOBICOKE)	CW	S2	03	290	300	0	0	0	590	0	590	0	0	50	0	540	0	(	) 0	0	0	590
0	67	YR03 D1 END OF PIPE	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	(	) 0	0	0	1
0	72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S2	04	340	500	0	0	0	840	0	840	0	0	73	0	767	0	(	0 0	0	0	840
0	74	Scarborough Waterfront Constructio-CHANGE IN SCOPE		S3		0	0	0	0	0	0	-6,200	-6,200	0	0				0	C	0 0	0	0	
0	75	Bonar Creek SWMF Construction-CHANGE IN SCOPE	CW	S3	04	-975	-7,706	175	9,602	176	1,272	0	1,272	0	0	1,559	0 -	287	0	C	0 0	0	0	1,272

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				ļ		Curre	ent and Fi	iture year	Cash Flo	w Commitm	nents			Cur	rent and Fu	iture Year	Cash Flov	w Commi	itments F	inanced	з Ву		
	roject No. <u>Project Name</u> ubProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	De Recov Debt		Total Financing
	SWM END OF PIPE FACILITIES													-									
0 76	NORTH TORONTO CSO CONSTR - 2018 SC-CHANGE IN SCOPE	B CW	S3	04	-240	150	1,650	0	0	1,560	0	1,560	0	0	282	0	1,278	0	0	C	0	0	1,560
0 77	HUMBER BAY POND (ETOBICOKE)-CHANGE IN SCOPE	CW	S3	03	-40	215	2,115	1,016	115	3,421	0	3,421	0	0	543	0	2,878	0	0	C	0	0	3,421
0 78	EARL BALES PARK SWM FACILITY - PHA-CHANGE IN SCOPE	CW	S3	04	-950	951	0	0	0	1	0	1	0	0	71	0	-70	0	0	C	0	0	1
	Sub-total				1,176	3,660	13,065	10,793	331	29,025	136,430	165,455	0	0	24,484	0	140,971	0	0	(	0	0	165,455
WAS90633	SWM SOURCE CONTROL PROG			Ì																			
0 9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	70	70	20	20	0	180	0	180	0	0	0	0	180	0	0	C	0	0	180
0 17	DOWNSPOUT DISCONNECTION PROGRAM-CHANGE IN SCOPE	CW	S3	04	20	-25	0	0	0	-5	0	-5	0	0	0	0	-5	0	0	C	0	0	-5
	Sub-total				90	45	20	20	0	175	0	175	0	0	0	0	175	0	0	(	0 0	0	175
WAS90638	80 HIGHLAND CREEK WWTP - ODOUR CO	<u>ONTROI</u>																					
0 1	ODOUR CONTROL UPGRADES - PHASE ENG	E 1 25	S2	04	190	203	56	50	20	519	0	519	0	0	42	0	477	0	0	C	0	0	519
0 2	ODOUR CONTROL UPGRADES - PHASE CONSTR	E 1 25	S2	02	2,418	5,119	0	0	0	7,537	0	7,537	0	0	607	0	6,930	0	0	C	0	0	7,537
0 3	ODOUR CONTROL UPGRADES - PHASE	E 2 25	S6	02	0	0	0	0	0	0	19,200	19,200	0	0	2,841	0	16,359	0	0	C	0	0	19,200
0 24	ODOUR CONTROL UPGRADES - PHASE E-CHANGE IN SCOPE	E 1 25	S3	04	660	261	134	6	30	1,091	20	1,111	0	0	204	0	907	0	0	C	0	0	1,111
0 25	ODOUR CONTROL UPGRADES - PHASE C-CHANGE IN SCOPE	E 1 25	S3	02	2,057	-1,760	1,917	0	0	2,214	0	·	0		856	0		0				0	2,214
	Sub-total				5,325	3,823	2,107	56	50	11,361	19,220	30,581	0	0	4,550	0	26,031	0	0	(	0	0	30,581
WAS90648	HIGHLAND CREEK T.P IV YR2004																						
0 22	PCS PLANT SERVICES	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	C	0	0	1
	Sub-total				1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	(	0 0	0	1
WAS90649	WET WEATHER FLOW MP																						
0 1	SWM INA/EA	CW	S2	04	740	655	440	110	0	1,945	0	1,945	0	0	157	0	1,788	0	0	C	0	0	1,945
0 11	10YR WWFMMP PUBLIC EDUCATION	CW	S6	04	0	610	610	610	610	2,440	3,050	5,490	0	0	810	0	4,680	0	0	C	0	0	5,490
0 14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	731	300	0	0	0	1,031	0	1,031	0	0	90	0	941	0	0	C	0	0	1,031
0 40	10YR WWFMMP IMPLEMENTATION	CW	S6	04	0	0	0	0	0	0	5,000	5,000	0	0	740	0	4,260	0	0	C	0	0	5,000
0 41	SWM CONVEYANCE 2012	CW	S2	04	37	0	0	0	0	37	0	37	0	0	3	0	34	0	0	C	0	0	37
0 58	SWM CONVEYANCE 2015	CW	S2	04	785	0	0	0	0	785	0	785	0	0	63	0	722	0	0	C	0	0	785

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							Curr	ent and Fu	ıture Year	Cash Flov	w Commitn	nents			Cu	rrent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sul Pric		<u>oject No.</u> <u>Project Name</u> bProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	De Recov Debt		Total Financing
WAS	906492	WET WEATHER FLOW MP																						
0	59	STORM WATER POND ASSESSMENT & CLEANING	& CW	S2	03	4,394	3,000	3,000	3,000	0	13,394	0	13,394	0	C	0	0	13,394	0	0	0	0	0	13,394
0	60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	3,250	6,300	6,300	5,300	5,300	26,450	6,550	33,000	0	(	0	0	33,000	0	0	0	0	0	33,000
0	65	STORM WATER POND ASSESSMENT & CLEANING - 10 YEAR	& CW	S6	03	0	0	0	1,500	1,500	3,000	22,500	25,500	0	(	0	0	25,500	0	0	0	0	0	25,500
0	84	SWM CONVEYANCE 2017	CW	S2	04	2,229	1,660	646	0	0	4,535	0	4,535	0	C	408	0	4,127	0	0	0	0	0	4,535
0	86	GREEN STREETS	CW	S2	04	1,451	265	180	40	0	1,936	0	1,936	0	(	193	0	1,743	0	0	0	0	0	1,936
0	97	WATERFRONT MODELLING STUDIES	CW	S2	05	25	25	100	100	100	350	190	540	0	C	43	0	497	0	0	0	0	0	540
0	109	SWM CONVEYANCE 2012-CHANGE IN SCOPE	CW	S3	04	-37	0	0	0	0	-37	0	-37	0	C	-3	0	-34	0	0	0	0	0	-37
0	110	GREEN STREETS-CHANGE IN SCOPE	CW	S3	04	-444	973	303	85	100	1,017	0	1,017	0	C	243	0	774	0	0	0	0	0	1,017
0	111	SWM CONVEYANCE 2015-CHANGE IN SCOPE	CW	S3	04	-785	0	0	0	0	-785	0	-785	0	C	-63	0	-722	0	0	0	0	0	-785
0	112	SWM CONVEYANCE 2017-CHANGE IN SCOPE	CW	S3	04	-429	770	265	0	0	606	0	606	0	C	353	0	253	0	0	0	0	0	606
0	113	PUBLIC EDUCATION-CHANGE IN SCO	PE CW	S3	04	535	0	0	0	0	535	0	535	0	C	79	0	456	0	0	0	0	0	535
0	114	SWM INA/EA-CHANGE IN SCOPE	CW	S3	04	77	325	150	-2	0	550	0	550	0	(	212	0	338	0	0	0	0	0	550
0	115	WATERFRONT MODELLING STUDIES-CHANGE IN SCOPE	CW	S3	05	-25	-25	0	0	0	-50	10	-40	0	(	32	0	-72	0	0	0	0	0	-40
0	116	WWFMP IMPLEMENTATION - DESIGN-CHANGE IN SCOPE	CW	S3	04	-633	65	350	250	25	57	25	82	0	C	76	0	6	0	0	0	0	0	82
0	117	STORM WATER POND ASSESSMENT & CLEA-CHANGE IN SCOPE	& CW	S3	03	-2,143	343	44	170	2,000	414	0	414	0	C	0	0	414	0	0	0	0	0	414
0	118	ASHBRIDGES BAY LANDFORMS-CHAN IN SCOPE	IGE CW	S3	04	3,750	17,359	19,984	15,029	14,049	70,171	-5,432	64,739	0	(	0	0	64,739	0	0	0	0	0	64,739
		Sub-total				13,508	32,625	32,372	26,192	23,684	128,381	31,893	160,274	0	(	3,436	0	156,838	0	0	0	0	0	160,274
WAS	906495	5 SEWER ASSET PLANNING																						
0	5	SEWER ASSET PLANNING	CW	S2	03	11,404	8,250	8,000	8,000	2,000	37,654	0	37,654	0	(	3,028	0	34,626	0	0	0	0	0	37,654
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	7,546	8,290	0	0	0	15,836	0	15,836	0	C	0	0	15,836	0	0	0	0	0	15,836
0	17	SEWER ASSET PLANNING - 10 YEAR		S6		0	1,500	1,500	2,000	5,150	10,150	35,000	45,150	0	(	3,470	0	41,680	0	0	0	0	0	45,150
0	18	SEWER SYSTEM INSPECTION - 10 YE PLAN				0	0	0	0	0	0	65,700	65,700	0	(	0	0	65,700	0	0			0	65,700
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES		S2		150	0	0	0	0	150	0	150	0	(		0		0				0	150
0	22	PPD - INFRASTRUCTURE PLANNING STUDIES - 10 YR PLAN	CW	S6	05	0	0	150	150	150	450	750	1,200	0	(	0	0	1,200	0	0	0	0	0	1,200
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vva	Siewa	iter Program																						
					ĺ		Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Commitn	nents F	inanced	Ву		
<u>Sul</u> Pri		<u>oject No.     Project Name</u> bProj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal I	Development Charges	Reserves	Reserve Funds	Capital from Current O	ther 1	Other2	Deb Recov		Total Financing
	_	SEWER ASSET PLANNING												Guboidioo										
0	39	SEWER SYSTEM INSPECTION-CHANGE IN SCOPE	CW	S3	03	2,454	12,073	20,131	15,400	15,700	65,758	10,500	76,258	0	0	0	0	76,258	0	0	0	0	0	76,258
0	40	SEWER ASSET PLANNING-CHANGE IN SCOPE	CW	S3	03	-5,828	3,696	2,757	1,145	2,850	4,620	1,000	5,620	0	0	298	0	5,322	0	0	0	0	0	5,620
0	41	PPD - INFRASTRUCTURE PLANNING STUD-CHANGE IN SCOPE	CW	S3	05	25	150	0	0	0	175	0	175	0	0	0	0	175	0	0	0	0	0	175
0	42	CORP IT - IDC-CHANGE IN SCOPE	CW	S3	04	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150
		Sub-total				15,901	33,959	32,538	26,695	25,850	134,943	112,950	247,893	0	0	6,796	0	241,097	0	0	0	0	0	247,893
WAS	906500	NEW SEWER CONSTRUCTION																						
0	4	NEW SEWERS - FUTURE	CW	S6	05	0	0	1,000	1,000	1,000	3,000	5,000	8,000	0	0	8,000	0	0	0	0	0	0	0	8,000
0	5	NEW SEWERS	CW	S2	05	88	500	0	0	0	588	0	588	0	0	371	0	217	0	0	0	0	0	588
0	24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	6,500	6,500	1,500	750	0	15,250	0	15,250	0	0	7,625	0	7,625	0	0	0	0	0	15,250
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	0	1,450	5,000	1,550	0	8,000	0	8,000	0	0	8,000	0	0	0	0	0	0	0	8,000
0	36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S2	05	2,000	1,000	0	0	0	3,000	0	3,000	0	0	1,866	0	1,134	0	0	0	0	0	3,000
0	40	WATERFRONT SANITARY MASTER SERVICI-CHANGE IN SCOPE		S3		-5,150	1,116	11,559	22,437	10,851	40,813	4,676	45,489	0	0	, -	0	,	0	0		0	0	45,489
0	41	SHEPPARD SANITARY SEWER AT EAST DO-CHANGE IN SCOPE		S3		-2,000	-1,000	1,400	1,800	800	1,000	0	1,000	0	0		0	377	0	0		0	0	1,000
0	42	NEW SEWERS-CHANGE IN SCOPE	CW	S3	05	-38	0	0	0	0	-38	0	-38	0	0	179	0	-217	0	0	0	0	0	-38
		Sub-total				1,400	9,566	20,459	27,537	12,651	71,613	9,676	81,289	0	0	37,816	0	43,473	0	0	0	0	0	81,289
WAS	906735	DIST SEWER REHAB OPS YR2005																						
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	16	20	0	0	0	36	0	36	0	0	4	0	32	0	0	0	0	0	36
0	20	GROUP 1 SEWAGE PUMPING STATION UPG-CHANGE IN SCOPE	CW	S3	03	-1	1	0	0	0	0	0	0	0	0	1	0	-1	0	0	0	0	0	0
		Sub-total				15	21	0	0	0	36	0	36	0	0	5	0	31	0	0	0	0	0	36
WAS	906741	HIGHLAND CREEK TP YR2005																						
0	1	WAS THICKENING AND DEWATERING - ENG		S2		2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2
0	21	WAS THICKENING AND DEWATERING - EN-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	0			0	1	0	0	0	0	0	1
		Sub-total				3	0	0	0	0	3	0	3	0	0	0	0	3	0	0	0	0	0	3
WAS	906742	HUMBER TP YR2005																						
0	8	ODOUR CONTROL ENGINEERING	CW	S2	04	374	90	20	0	0	484	0	484	0	0	0	0	484	0	0	0	0	0	484

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Gross Expenditures (\$000's)
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							Curre	ent and Fu	ıture Year	Cash Flo	w Commitr	nents			Cur	rent and Fu	uture Year	Cash Flov	w Comm	itments	Financed	Ву		
Sub Prio		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat	2019	2020	2021	2022	2023	Total	Total 2024-2028	Total	Provincial Grants and	Federal [	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
	-	HUMBER TP YR2005	vvaiu	olal.	Cat.	2010	2020	2021	2022	2020	2019-2020	2024 2020	2019-2020	Subsidies	Oubsidy	Onlargoo				Otrici	Otherz	БСБІ	-	1 mancing
0	58	ODOUR CONTROL ENGINEERING-CHANGE IN SCOPE	CW	S3	04	383	188	-20	0	0	551	0	551	0	0	156	0	395	0	) (	0 0	0	0	551
		Sub-total				757	278	0	0	0	1,035	0	1,035	0	0	156	0	879	0	) (	0	0	0	1,035
WAS	906743	ASHRIDGES BAY TP YR2005																						
0	1	MISC MECH ENGINEERING	CW	S2	03	720	80	0	0	0	800	0	800	0	0	68	0	732	0	) (	0	0	0	800
0	7	SERVICE AIR UPGRADES	CW	S2	03	1,166	0	0	0	0	1,166	0	1,166	0	0	0	0	1,166	0	) (	0 0	0	0	1,166
0	63	MISC MECH ENGINEERING-CHANGE IN SCOPE	I CW	S3	03	-400	380	35	9	0	24	0	24	0	0	53	0	-29	0	) (	0 0	0	0	24
0	64	SERVICE AIR UPGRADES-CHANGE IN SCOPE	CW	S3	03	-1,132	1,289	0	0	0	157	0	157	0	0	0	0	157	0	) (	0 0	0	0	157
		Sub-total				354	1,749	35	9	0	2,147	0	2,147	0	0	121	0	2,026	0	) (	0 0	0	0	2,147
WAS	906755	WESTERN BEACHES RETROFIT																						
0	1	WESTERN BEACHES RETROFIT	CW	S2	03	8,902	6,377	15	86	0	15,380	0	15,380	0	0	1,481	0	13,899	0	) (	0	0	0	15,380
0	17	WESTERN BEACHES RETROFIT-CHANGIN SCOPE	GE CW	S3	03	-5,300	2,593	19,935	11,309	50	28,587	0	28,587	0	0	5,024	0	23,563	0	) (	0 0	0	0	28,587
		Sub-total				3,602	8,970	19,950	11,395	50	43,967	0	43,967	0	0	6,505	0	37,462	0	) (	0 0	0	0	43,967
WAS	906926	OPERATIONAL SUPPORT																					$\overline{}$	
0	6	FACILITY RENOVATION	CW	S2	04	1,015	750	0	0	0	1,765	0	1,765	0	0	0	0	1,765	0	) (	0	0	0	1,765
0	23	EMP MONITORING NEEDS	CW	S2	04	50	0	0	0	0	50	0	50	0	0	0	0	50	0	) (	0 0	0	0	50
0	40	PCS UPGRADES FOR WASTEWATER TREATMENT	CW	S2	04	6,842	6,100	4,065	25	0	17,032	0	17,032	0	0	0	0	17,032	0	) (	0 0	0	0	17,032
0	71	YARD & FACILITIES - 10 YEAR PLAN	CW	S6	03	0	525	1,275	1,275	1,275	4,350	6,375	10,725	0	0	0	0	10,725	0	) (	0	0	0	10,725
0	95	DIVISIONAL SECURITY - BACKLOG	CW	S6	04	0	605	605	605	605	2,420	3,025	5,445	0	0	0	0	5,445	0	) (	0	0	0	5,445
0	100	DIVISIONAL SECURITY	CW	S2	04	1,135	0	0	0	0	1,135	0	1,135	0	0	0	0	1,135	0	) (	0	0	0	1,135
0	105	BACKUP POWER - FINCH AND DEE	CW	S2	04	0	0	500	0	0	500	0	500	0	0	0	0	500	0	) (	0	0	0	500
0	107	OFFICE MODERNIZATION - MH18	CW	S2	04	450	975	0	0	0	1,425	0	1,425	0	0	0	0	1,425	0	) (	0	0	0	1,425
0	114	DISTRICT OPERATIONS FACILITY UPGRADES	CW	S2	04	250	1,000	2,000	400	0	3,650	0	3,650	0	0	0	0	3,650	0	) (	0 0	0	0	3,650
0	122	435 KIPLING AVENUE	CW	S2	04	2,020	3,750	0	0	0	5,770	0	5,770	0	0	0	0	5,770	0	) (	0 0	0	0	5,770
0	123	PCS UPGRADES FOR WASTEWATER TREATM-CHANGE IN SCOPE	CW	S3	04	-4,746	-3,086	-290	0	0	-8,122	0	-8,122	0	0	0	0	-8,122	0	) (	0 0	0	0	-8,122
0	124	FACILITY RENOVATION-CHANGE IN SCOPE	CW	S3	04	1,823	1,313	267	272	120	3,795	0	3,795	0	0	0	0	3,795	0	) (	0 0	0	0	3,795

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
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		•																						
							Curr	ent and Fu	iture Year	Cash Flo	w Commitm	nents			Cui	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
	<u>Project No.</u> SubProj No		Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Debt		Total Financing
WAS906	926 OPERA	TIONAL SUPPORT																						
0 12	26 DIVISIO SCOPE	NAL SECURITY-CHANGE IN	CW	S3	04	47	20	0	0	0	67	0	67	0	0	0	0	67	0	0	0	0	0	67
0 12		P POWER - FINCH AND IANGE IN SCOPE	CW	S3	04	0	0	-400	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 12		MODERNIZATION - HANGE IN SCOPE	CW	S3	04	-450	-975	0	0	0	-1,425	0	-1,425	0	0	0	0	-1,425	0	0	0	0	0	-1,425
0 12	29 435 KIP	LING AVENUE-CHANGE IN SCOP	E CW	S3	04	-1,870	-1,850	3,750	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30
0 13	80 EMP MO SCOPE	ONITORING NEEDS-CHANGE IN	CW	S3	04	0	50	50	0	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
		Sub-total				6,566	9,177	11,822	2,977	2,000	32,542	9,400	41,942	0	0	0	0	41,942	0	0	0	0	0	41,942
WAS906	958 SEWER	SYSTEM REHABILITATION																						
0 2		S 2, 3 & 4 SEWAGE PUMPING N UPGRADES	CW	S2	03	4	0	0	0	0	4	0	4	O	0	1	0	3	0	0	0	0	0	4
0 5	CCTV II	NSPECTION	CW	S2	03	1,048	1,100	0	0	0	2,148	0	2,148	0	0	0	0	2,148	0	0	0	0	0	2,148
0 7	10 YEAR	R SEWER REHABILITATION	CW	S6	03	0	2,850	20,623	51,253	65,853	140,579	340,265	480,844	0	0	0	0	480,844	0	0	0	0	0	480,844
0 8	SPS SC	ADA UPGRADES - ENGINEERING	CW	S2	04	517	0	0	0	0	517	0	517	0	0	42	0	475	0	0	0	0	0	517
0 9	SEWER	REHABILITATION	CW	S2	03	23,854	13,836	5,500	4,700	0	47,890	0	47,890	0	0	0	0	47,890	0	0	0	0	0	47,890
0 23	SEWAG POWER	E PUMPING STATION STANDBY	CW	S2	02	117	0	0	0	0	117	0	117	0	0	9	0	108	0	0	0	0	0	117
0 24	GROUP UPGRA	5 SEWAGE PUMPING STATION DES	CW	S2	05	8,700	4,507	80	0	0	13,287	0	13,287	0	0	1,214	0	12,073	0	0	0	0	0	13,287
0 79	SEWER	REHABILITATION - CWD	CW	S2	03	55,323	21,580	2,743	2,743	0	82,389	0	82,389	0	0	0	0	82,389	0	0	0	0	0	82,389
0 98		REHABILITATION - HANGE IN SCOPE	CW	S3	03	-30,270	18,983	49,496	15,000	0	53,209	0	53,209	0	0	0	0	53,209	0	0	0	0	0	53,209
0 99		5 SEWAGE PUMPING STATION HANGE IN SCOPE	CW	S3	05	-2,254	1,001	1,698	0	0	445	0	445	0	0	818	0	-373	0	0	0	0	0	445
0 10		E PUMPING STATION STANDBY HANGE IN SCOPE	CW	S3	02	-102	103	0	0	0	1	0	1	0	0	8	0	-7	0	0	0	0	0	1
0 10		ADA UPGRADES - EERING-CHANGE IN SCOPE	CW	S3	04	-324	69	0	0	0	-255	0	-255	0	0	-3	0	-252	0	0	0	0	0	-255
0 10	02 SEWER SCOPE	REHABILITATION-CHANGE IN	CW	S3	03	2,860	14,837	6,816	4,300	4,000	32,813	200	33,013	0	0	0	0	33,013	0	0	0	0	0	33,013
0 10	03 CCTV II	NSPECTION-CHANGE IN SCOPE	CW	S3	03	68	49	0	0	0	117	0	117	0	0	0	0	117	0	0	0	0	0	117
0 10	)5 SEWER	REHABILITATION - CUT REPAIRS	S CW	S4	03	2,995	4,001	4,001	641	0	11,638	0	11,638	0	0	0	0	11,638	0	0	0	0	0	11,638
0 10		S 2, 3 & 4 SEWAGE PUMPING ANGE IN SCOPE	CW	S3	03	2	0	0	0	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2
		Sub-total				62,538	82,916	90,957	78,637	69,853	384,901	340,465	725,366	0	0	2,089	0	723,277	0	0	0	0	0	725,366
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					[		Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Pric		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
WAS	906960	STREAM RESTORATION & EROSION CO	NTRC																					
0	5	10 YEAR STREAM RESTORATION - ALL DISTRICTS	CW	S6	03	0	85	250	950	255	1,540	39,495	41,035	С	0	0	0	41,035	0	0	0	0	0	41,035
0	7	STREAM RESTORATION	CW	S2	03	73	0	0	0	0	73	0	73	С	0	6	0	67	0	0	0	0	0	73
0	41	WATERCOURSE - ENGINEERING	CW	S2	03	972	1,300	900	1,040	665	4,877	795	5,672	С	0	441	0	5,231	0	0	0	0	0	5,672
0	43	PARTNER PROJECTS	CW	S2	03	600	600	200	0	0	1,400	0	1,400	С	0	112	0	1,288	0	0	0	0	0	1,400
0	45	WATERCOURSE - CONSTRUCTION	CW	S4	03	850	5,470	2,045	1,500	1,450	11,315	1,700	13,015	С	0	0	0	13,015	0	0	0	0	0	13,015
0	51	STUDIES, EAS, MASTER PLANS	CW	S2	03	3,017	1,562	593	75	0	5,247	0	5,247	С	0	461	0	4,786	0	0	0	0	0	5,247
0	52	CRITICAL REPAIRS	CW	S2	03	3,159	1,958	2,223	673	548	8,561	30	8,591	С	0	668	0	7,923	0	0	0	0	0	8,591
0	53	EMERGENCY EROSION CONTROL	CW	S2	03	300	300	300	150	0	1,050	0	1,050	С	0	84	0	966	0	0	0	0	0	1,050
0	54	STUDY, EA, MASTER PLAN UPDATES - FUTURE	CW	S6	03	0	0	500	500	500	1,500	1,500	3,000	С	0	444	0	2,556	0	0	0	0	0	3,000
0	58	WATERCOURSE - CONSTRUCTION - FUTURE	CW	S6	03	0	250	2,750	7,600	5,650	16,250	18,000	34,250	c	0	0	0	34,250	0	0	0	0	0	34,250
0	62	STUDIES, EAS, MASTER PLANS -CHANG IN SCOPE	E CW	S3	03	-1,770	775	845	275	175	300	75	375	C	0	372	0	3	0	0	0	0	0	375
0	63	EMERGENCY EROSION CONTROL-CHANGE IN SCOPE	CW	S3	03	2,384	2,572	2,691	2,904	2,710	13,261	615	13,876	c	0	-84	0	13,960	0	0	0	0	0	13,876
0	64	STREAM RESTORATION -CHANGE IN SCOPE	CW	S3	03	-22	0	0	0	0	-22	0	-22	C	0	-6	0	-16	0	0	0	0	0	-22
0	65	CRITICAL REPAIRS-CHANGE IN SCOPE	CW	S3	03	-824	1,416	299	517	-523	885	-5	880	C	0	-668	0	1,548	0	0	0	0	0	880
0	66	PARTNER PROJECTS-CHANGE IN SCOPE	CW	S3	03	0	0	0	0	0	0	0	0	c	0	-112	0	112	0	0	0	0	0	0
0	67	WATERCOURSE - ENGINEERING-CHANGE IN SCOPE	CW	S3	03	-378	51	753	763	990	2,179	1,415	3,594	C	0	-441	0	4,035	0	0	0	0	0	3,594
		Sub-total				8,361	16,339	14,349	16,947	12,420	68,416	63,620	132,036	0	0	1,277	0	130,759	0	0	0	0	0	132,036
WAS	906966	SWM TRCA FUNDING																						
0	8	10 YEAR TRCA FUNDING	CW	S6	04	0	4,604	4,719	4,837	4,958	19,118	26,713	45,831	c	0	0	0	45,831	0	0	0	0	0	45,831
0	24	TORONTO WATER TRANSFER TO TRCA CAP-CHANGE IN SCOPE	CW	S3	04	4,491	0	0	0	0	4,491	0	4,491	C	0	674	0	3,817	0	0	0	0	0	4,491
		Sub-total			Ī	4,491	4,604	4,719	4,837	4,958	23,609	26,713	50,322	0	0	674	0	49,648	0	0	0	0	0	50,322
WAS	906968	ENGINEERING			Ì																		$\exists$	
0	2	CONSULTING FEES	CW	S2	03	16,913	6,921	2,301	1,145	710	27,990	996	28,986	С	0	0	0	28,986	0	0	0	0	0	28,986
0	59	ROAD RESTORATION	CW	S2	03	729	0	0	0	0	729	0	729	С	0	0	0	729	0	0	0	0	0	729

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				Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Curre	ent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub- F	Project No. Project Name							Total	Total	Total	Provincial	Fadaval -			Reserve	Capital from			Debt Recover		Tatal
	SubProj No. Sub-project Name	Ward Stat. C	at. 2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Grants and Subsidies	Federal De Subsidy	evelopment Charges	Reserves	Funds		Other 1	Other2		- 1	Total Financing
WAS9069	68 ENGINEERING																				
0 70	CONSULTING FEES-CHANGE IN SCOPE	E CW S3 (	-8,509	10,290	21,135	16,976	7,013	46,905	584	47,489	o	0	0	0	47,489	0	0	0	0	0	47,489
0 71	ECS SALARIES-CHANGE IN SCOPE	CW S3 (	14,491	0	0	0	0	14,491	0	14,491	o	0	0	0	14,491	0	0	0	0	0	14,491
0 72	TW SALARIES-CHANGE IN SCOPE	CW S3 (	1,089	0	0	0	0	1,089	0	1,089	o	0	0	0	1,089	0	0	0	0	0	1,089
0 73	ROAD RESTORATION-CHANGE IN SCOPE	CW S3 (	-59	0	0	0	0	-59	0	-59	О	0	0	0	-59	0	0	0	0	0	-59
	Sub-total		24,654	17,211	23,436	18,121	7,723	91,145	1,580	92,725	0	0	0	0	92,725	0	0	0	0	0	92,725
WAS9069	SEWER REPLACEMENT PROGRAM																			İ	
0 3	10YR SEWER REPLACEMENT	CW S6 (	0 0	0	0	10,500	15,000	25,500	75,000	100,500	o	0	5,765	0	94,735	0	0	0	0	0	100,500
0 25	2012 SEWER REPLC	CW S2 (	325	0	0	0	0	325	0	325	О	0	0	0	325	0	0	0	0	0	325
0 35	2013 SEWER REPLC	CW S2 (	10	0	0	0	0	10	0	10	o	0	1	0	9	0	0	0	0	0	10
0 36	SEWER REPLC - 2014 PROGRAM	CW S2 (	03 28	0	0	0	0	28	0	28	o	0	2	0	26	0	0	0	0	0	28
0 37	FORCEMAIN REPLACEMENT - FUTURE	CW S6 (	0 0	225	725	1,350	5,150	7,450	20,950	28,400	o	0	0	0	28,400	0	0	0	0	0	28,400
0 46	WATERFRONT STORMWATER INFRASTRUCTURE	CW S2 (	3,250	0	0	0	0	3,250	0	3,250	o	0	2,017	0	1,233	0	0	0	0	0	3,250
0 47	EBF REPORT	CW S2 (	1,070	0	0	0	0	1,070	0	1,070	O	0	701	0	369	0	0	0	0	0	1,070
0 52	SEWER REPLACEMENT - METROLINX	CW S2 (	1,213	1,966	1,916	800	0	5,895	0	5,895	0	0	0	0	5,895	0	0	0	0	0	5,895
0 62	SEWER REPLC - 2015 PROGRAM	CW S2 (	03 604	0	0	0	0	604	0	604	0	0	48	0	556	0	0	0	0	0	604
0 71	SEWER REPLC - 2016 PROGRAM	CW S2 (	3,694	0	0	0	0	3,694	0	3,694	0	0	297	0	3,397	0	0	0	0	0	3,694
0 75	FORCEMAIN REPLACEMENT - 2016	CW S2 (	10,354	10,514	47	0	0	20,915	0	20,915	0	0	0	0	20,915	0	0	0	0	0	20,915
0 78	SEWER REPLC - 2017 PROGRAM	CW S2 (	3 879	60	0	0	0	939	0	939	0	0	75	0	864	0	0	0	0	0	939
0 79	SEWER REPLC - 2018 PROGRAM	CW S2 (	1,938	2,820	129	30	0	4,917	0	4,917	0	0	393	0	4,524	0	0	0	0	0	4,917
0 98	SEWER REPLC - 2019 PROGRAM	CW S2 (	18,382	5,927	2,491	0	0	26,800	0	26,800	o	0	2,158	0	24,642	0	0	0	0	0	26,800
0 100	) CSP RENEWAL	CW S2 (	5,812	1,019	0	0	0	6,831	0	6,831	o	0	543	0	6,288	0	0	0	0	0	6,831
0 102	2 SEWER REPLC - 2016 PROGRAM-CHANGE IN SCOPE	CW S3 (	-3,465	1,947	0	0	0	-1,518	0	-1,518	o	0	-129	0	-1,389	0	0	0	0	0	-1,518
0 103	SEWER REPLC - 2017 PROGRAM-CHANGE IN SCOPE	CW S3 (	.721	154	0	0	0	-567	0	-567	o	0	-47	0	-520	0	0	0	0	0	-567
0 104	SEWER REPLC - 2018 PROGRAM-CHANGE IN SCOPE	CW S3 (	-1,427	-2,420	321	-30	0	-3,556	0	-3,556	0	0	-288	0	-3,268	0	0	0	0	0	-3,556

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							Curre	ent and Fu	ture Year	Cash Flor	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		i <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
	-	SEWER REPLACEMENT PROGRAM			<u> </u>									Subsidies										
0	105	SEWER REPLC - 2019 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-9,821	6,660	15,588	4,712	2,469	19,608	100	19,708	0	0	-130	0	19,838	0	0	0	0	0	19,708
0	106	2012 SEWER REPLC-CHANGE IN SCOPE	E CW	S3	03	-320	225	0	0	0	-95	0	-95	0	0	0	0	-95	0	0	0	0	0	-95
0	107	CSP RENEWAL-CHANGE IN SCOPE	CW	S3	03	-1,639	659	400	0	0	-580	0	-580	o	0	-62	0	-518	0	0	0	0	0	-580
0	108	EBF REPORT-CHANGE IN SCOPE	CW	S3	04	-521	1,000	0	0	0	479	0	479	o	0	43	0	436	0	0	0	0	0	479
0	109	WATERFRONT STORMWATER INFRASTRUCTU-CHANGE IN SCOPE	CW	S3	04	-2,250	825	0	0	0	-1,425	0	-1,425	o	0	-1,139	0	-286	0	0	0	0	0	-1,425
0	110	SEWER REPLC - 2014 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-9	0	0	0	0	-9	0	-9	o	0	-1	0	-8	0	0	0	0	0	-9
0	111	SEWER REPLC - 2015 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-394	150	0	0	0	-244	0	-244	o	0	-20	0	-224	0	0	0	0	0	-244
0	114	SEWER REPLACEMENT - METROLINX-CHANGE IN SCOPE	CW	S3	03	-600	291	241	0	0	-68	0	-68	o	0	0	0	-68	0	0	0	0	0	-68
0	115	FORCEMAIN REPLACEMENT - 2016-CHANGE IN SCOPE	CW	S3	03	-6,680	-3,231	5,635	5,000	0	724	0	724	О	0	0	0	724	0	0	0	0	0	724
		Sub-total				19,712	28,791	27,493	22,362	22,619	120,977	96,050	217,027	0	0	10,227	0	206,800	0	0	(	0	0	217,027
WAS	906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	100	0	0	0	0	100	0	100	o	0	8	0	92	0	0	0	0	0	100
0	45	DEWATERING EQUIPMENT UPGRADES-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	o	0	7	0	-6	0	0	0	0	0	1
		Sub-total				101	0	0	0	0	101	0	101	0	0	15	0	86	0	0	C	0	0	101
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,598	1,607	1,650	1,600	85	7,540	0	7,540	o	0	0	0	7,540	0	0	0	0	0	7,540
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	299	31	0	0	0	330	0	330	o	0	31	0	299	0	0	0	0	0	330
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	198	800	500	0	0	1,498	0	1,498	o	0	120	0	1,378	0	0	0	0	0	1,498
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	60	0	0	0	0	60	0	60	О	0	0	0	60	0	0	0	0	0	60
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	3,668	5,482	0	0	0	9,150	0	9,150	О	0	0	0	9,150	0	0	0	0	0	9,150
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	5,122	0	0	0	0	5,122	0	5,122	О	0	0	0	5,122	0	0	0	0	0	5,122
0	32	CEPA COMPLIANCE - CL NOTICE - HCTP	cw	S2	02	5,561	8,900	8,532	50	0	23,043	0	23,043	О	0	0	0	23,043	0	0	0	0	0	23,043
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	189	46	15	14	0	264	0	264	О	0	0	0	264	0	0	0	0	0	264
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	36,371	35,040	19,000	10,000	0	100,411	0	100,411	0	0	0	0	100,411	0	0	0	0	0	100,411

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

							Curre	nt and Fu	ture Year	Cash Flov	w Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio	. —	<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	4,155	5,400	5,100	2,640	2,640	19,935	26,947	46,882	0	0	0	0	46,882	0	0	0	0	0	46,882
0	103	LIQUID TRAIN - CONSTRUCTION	CW	S6	04	0	0	0	0	0	0	122,000	122,000	0	0	0	0	122,000	0	0	0	0	0	122,000
0	104	PROCESS & FACILITY UPGRADE - FUTURE	CW	S6	03	0	0	0	0	100	100	2,500	2,600	0	0	0	0	2,600	0	0	0	0	0	2,600
0	105	LIQUID TRAIN REPAIRS - PHASE 2	CW	S6	03	0	0	0	0	0	0	29,100	29,100	0	0	0	0	29,100	0	0	0	0	0	29,100
0	123	COMMUNICATION SYSTEM	CW	S2	04	600	2,250	2,220	20	10	5,100	0	5,100	0	0	0	0	5,100	0	0	0	0	0	5,100
0	152	DIGESTER CLEANING, REHAB AND IMPRO-CHANGE IN SCOPE	CW	S3	03	341	-16	52	-14	0	363	0	363	0	0	0	0	363	0	0	0	0	0	363
0	153	LIQUID TRAIN REPAIRS - PHASE 1-CHANGE IN SCOPE	CW	S3	03	-33,451	-7,110	8,650	21,817	36,150	26,056	19,690	45,746	0	0	0	0	45,746	0	0	0	0	0	45,746
0	154	BIOSOLIDS TREATMENT UPGRADES -CHANGE IN SCOPE	CW	S3	03	-240	290	0	0	0	50	0	50	0	0	26	0	24	0	0	0	0	0	50
0	155	DIGESTER GAS SYSTEM UPGRADES-CHANGE IN SCOPE	CW	S3	03	432	-347	13	0	0	98	0	98	0	0	0	0	98	0	0	0	0	0	98
0	156	TRANSFORMERS AND SWITCHGEAR-CHANGE IN SCOPE	CW	S3	05	2	0	0	0	0	2	0	2	0	0	102	0	-100	0	0	0	0	0	2
0	157	PROCESS & FACILITY UPGRADE-CHANGE IN SCOPE	CW	S3	04	-1,644	766	-45	-44	1,515	548	1,035	1,583	0	0	0	0	1,583	0	0	0	0	0	1,583
0	158	ELECTRICAL UPGRADES - ECAR-CHANGE IN SCOPE	CW	S3	03	-4,692	46	0	0	0	-4,646	0	-4,646	0	0	0	0	-4,646	0	0	0	0	0	-4,646
0	159	LIQUID TRAIN - ENGINEERING-CHANGE IN SCOPE	CW	S3	03	-1,705	115	50	700	0	-840	2,509	1,669	0	0	0	0	1,669	0	0	0	0	0	1,669
0	161	MECH & ELECTRICAL UPGRADE ENGINEER-CHANGE IN SCOPE	CW	S3	03	-60	0	0	0	0	-60	0	-60	0	0	0	0	-60	0	0	0	0	0	-60
0	162	CEPA COMPLIANCE - CL NOTICE - HCTP-CHANGE IN SCOPE	CW	S3	02	-4,661	-2,673	-32	7,406	37	77	37	114	0	0	0	0	114	0	0	0	0	0	114
0	163	COMMUNICATION SYSTEM-CHANGE IN SCOPE	CW	S3	04	-250	-1,930	-1,270	3,330	490	370	0	370	0	0	0	0	370	0	0	0	0	0	370
		Sub-total				12,893	48,697	44,435	47,519	41,027	194,571	203,818	398,389	0	0	279	0	398,110	0	0	0	0	0	398,389
WAS	906982	HUMBER WWTP UPGRADES																						
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	718	0	0	0	0	718	0	718	0	0	0	0	718	0	0	0	0	0	718
0	6	NEW SUBSTATION	CW	S2	03	77	0	0	0	0	77	0	77	0	0	0	0	77	0	0	0	0	0	77
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,285	23	23	0	0	2,331	0	2,331	0	0	0	0	2,331	0	0	0	0	0	2,331
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	710	800	454	427	0	2,391	0	2,391	0	0	0	0	2,391	0	0	0	0	0	2,391
0	52	HVAC UPGRADES	CW	S2	03	5,978	2,322	17	0	0	8,317	0	8,317	0	0	0	0	8,317	0	0	0	0	0	8,317
0	81	BLOWER REPLACEMENT	CW	S2	03	5	0	0	100	200	305	12,550	12,855	0	0	0	0	12,855	0	0	0	0	0	12,855

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Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

							Curre	ent and Fu	ture Year	Cash Flo	w Commitm	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
Sub- Prior		oj <u>ect No.</u> <u>Project Name</u> oProj No. Sub-project Name	Ward	Stat. (	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
WAS	906982	HUMBER WWTP UPGRADES																						
0	82	DIGESTERS CLEANING REHAB	CW	S2	04	5,400	6,500	6,000	4,000	3,000	24,900	0	24,900	0	0	0	0	24,900	0	0	0	0	0	24,900
0	84	DIGESTER CLEANING & REHAB - FUTURE	CW	S6	03	0	0	0	0	1,250	1,250	5,250	6,500	0	0	0	0	6,500	0	0	0	0	0	6,500
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	8,211	5,500	2,770	40	0	16,521	0	16,521	0	0	0	0	16,521	0	0	0	0	0	16,521
0	99	WET WEATHER FLOW	CW	S2	04	540	600	2,500	4,750	4,500	12,890	0	12,890	0	0	0	0	12,890	0	0	0	0	0	12,890
0	107	MESI UPGRADES	CW	S2	03	600	500	500	500	0	2,100	0	2,100	0	0	0	0	2,100	0	0	0	0	0	2,100
0	114	FIELD OFFICE	CW	S2	03	324	0	0	0	0	324	0	324	0	0	0	0	324	0	0	0	0	0	324
0	115	ADMIN BUILDING EXPANSION - CONSTRUCTION	CW	S2	03	1,568	1,500	1,500	1,550	0	6,118	0	6,118	0	0	0	0	6,118	0	0	0	0	0	6,118
0	116	SERVICE REHAB AND UPGRADES	CW	S2	03	600	500	2,500	4,750	4,500	12,850	0	12,850	0	0	0	0	12,850	0	0	0	0	0	12,850
0	129	ELECTRICAL CONDITION ASSESSMENT RE-CHANGE IN SCOPE	CW	S3	01	-2,200	2,167	1	0	0	-32	0	-32	0	0	0	0	-32	0	0	0	0	0	-32
0	130	ADMIN BUILDING EXPANSION - CONSTRU-CHANGE IN SCOPE	CW	S3	03	-168	-400	-400	600	0	-368	0	-368	0	0	0	0	-368	0	0	0	0	0	-368
0	131	ADMIN BUILDING EXPANSION - ENGINEE-CHANGE IN SCOPE	CW	S3	04	69	-195	-105	-400	0	-631	0	-631	0	0	0	0	-631	0	0	0	0	0	-631
0	132	CHLORINE FACILITY UPGRADE-CHANGE IN SCOPE	CW	S3	01	-718	0	0	0	0	-718	0	-718	0	0	0	0	-718	0	0	0	0	0	-718
0	133	DIGESTERS CLEANING REHAB-CHANGE IN SCOPE	CW	S3	04	-2,400	0	1,000	1,500	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	134	MESI UPGRADES-CHANGE IN SCOPE	CW	S3	03	-49	53	55	56	0	115	0	115	0	0	0	0	115	0	0	0	0	0	115
0	136	SECURITY UPGRADES	CW	S4	01	250	2,950	400	0	0	3,600	0	3,600	0	0	0	0	3,600	0	0	0	0	0	3,600
0	137	NEW SUBSTATION-CHANGE IN SCOPE	CW	S3	03	29	45	0	0	0	74	0	74	0	0	0	0	74	0	0	0	0	0	74
0	138	FLOOD PROTECTION-CHANGE IN SCOPE	E CW	S3	02	300	275	0	0	0	575	0	575	0	0	0	0	575	0	0	0	0	0	575
0	139	HVAC UPGRADES-CHANGE IN SCOPE	CW	S3	03	-2,038	-56	2,442	0	0	348	0	348	0	0	0	0	348	0	0	0	0	0	348
0	140	BLOWER REPLACEMENT-CHANGE IN SCOPE	CW	S3	03	0	30	0	0	0	30	0	30	0	0	0	0	30	0	0	0	0	0	30
0	141	FIELD OFFICE-CHANGE IN SCOPE	CW	S3	03	-67	110	0	0	0	43	0	43	0	0	0	0	43	0	0	0	0	0	43
0	142	REPLACEMENT OF WASTE GAS BURNERS-CHANGE IN SCOPE	CW	S3	03	-4,753	600	4,150	288	0	285	0	285	0	0	0	0	285	0	0	0	0	0	285
0	143	WET WEATHER FLOW-CHANGE IN SCOPE	CW	S3	04	-490	87	-2,000	-1,000	0	-3,403	3,500	97	0	0	0	0	97	0	0	0	0	0	97
0	144	SERVICE REHAB AND UPGRADES-CHANGE IN SCOPE	CW	S3	03	0	400	3,800	3,350	3,600	11,150	5,450	16,600	0	0	0	0	16,600	0	0	0	0	0	16,600
		Sub-total				14,781	24,311	25,607	20,511	17,050	102,260	26,750	129,010	0	0	0	0	129,010	0	0	0	0	0	129,010

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

														1	· · · · · ·										
								Curr	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cui	rrent and Fu	iture Year	Cash Flo	w Comm	tments F	inanced	Ву		
Sub			Project Name									Total	Total	Total	Provincial Grants and	Federal	Development Charges	Poort/oo	Reserve	Capital from			Debt - Recovera	- 1	Total
				Ward	Stat.	Cat.	2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Subsidies	Subsidy	Charges	Reserves	Funds	Current	Other 1	Other2	Debt	4	Financing
WAS	906994	HIGHLAND	CREEK WWTP - SOLIDS & GA	AS HA																					
0	1	HIGHLAND IMPLEMEN	CREEK WWTP - BMP ITATION	CW	S2	04	3,220	3,000	2,200	2,000	2,000	12,420	4,450	16,870	0	0	1,407	0	15,463	0	0	0	0	0	16,870
0	3	WAS THIC	KENING - CONSTR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	8	HIGHLAND IMPLEMEN	CREEK WWTP - BMP ITATION	CW	S2	04	78	3,000	25,000	25,000	25,000	78,078	28,920	106,998	0	0	8,611	0	98,387	0	0	0	0	0	106,998
0	21	FLUIDIZED	BED INCINERATOR	CW	S6	03	0	0	0	0	5,000	5,000	17,000	22,000	0	0	3,256	0	18,744	0	0	0	0	0	22,000
0	22		CREEK WWTP - BMP I-CHANGE IN SCOPE	CW	S3	04	-1,170	-400	1,560	100	0	90	1,140	1,230	0	0	1,271	0	-41	0	0	0	0	0	1,230
0	23		CREEK WWTP - BMP I-CHANGE IN SCOPE	CW	S3	04	5,922	1,000	-16,500	-4,410	-5,000	-18,988	19,000	12	0	0	7,223	0	-7,211	0	0	0	0	0	12
			Sub-total				8,051	6,600	12,260	22,690	27,000	76,601	70,510	147,111	0	0	21,768	0	125,343	0	0	0	0	0	147,111
WAS	907038	Land Acqui	sition for Source Water Protect																						
0	9	TRCA - CR FUTURE	ITICAL EROSION SITES -	CW	S6	04	0	2,000	2,000	2,000	2,000	8,000	10,000	18,000	0	0	0	0	18,000	0	0	0	0	0	18,000
0	21	TRCA - WA	TERCOURSE EROSION	CW	S6	04	0	7,500	7,500	7,500	9,000	31,500	45,000	76,500	25,500	25,500	0	0	25,500	0	0	0	0	0	76,500
0	25	TRCA - SC WEST EA	ARBOROUGH WATERFRONT	CW	S2	04	800	0	0	0	0	800	0	800	0	0	64	0	736	0	0	0	0	0	800
0	33		ARBOROUGH WATERFRONT ANGE IN SCOPE	CW	S3	04	0	0	0	0	0	0	0	0	0	0	54	0	-54	0	0	0	0	0	0
0	34		ITICAL EROSION ANGE IN SCOPE	CW	S3	04	9,500	0	0	0	0	9,500	0	9,500	0	0	0	0	9,500	0	0	0	0	0	9,500
			Sub-total				10,300	9,500	9,500	9,500	11,000	49,800	55,000	104,800	25,500	25,500	118	0	53,682	0	0	0	0	0	104,800
WAS	907097	ASHBRIDG	SES BAY WWTP - BUILDING SE	RVIC																					
0	7		LED SUBSTANCE ATION AND ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	19		TILIZATION	CW	S2	04	850	1,000	1,000	2,000	2,000	6,850	1,150	8,000	0	0	0	0	8,000	0	0	0	0	0	8,000
0	21		BLDG & OLD NORTH ON IMPROVEMENTS	14	S2	04	6,321	5,474	23	0	0	11,818	0	11,818	0	0	0	0	11,818	0	0	0	0	0	11,818
0	40	GROVE LA	NDSCAPING - PHASE 2	14	S6	04	0	0	0	0	0	0	1,300	1,300	0	0	0	0	1,300	0	0	0	0	0	1,300
0	64	GROVE LA	NDSCAPING - PHASE 1	CW	S2	04	117	7	0	0	0	124	0	124	0	0	0	0	124	0	0	0	0	0	124
0	68		BLDG & OLD NORTH DN-CHANGE IN SCOPE	14	S3	04	-3,956	-1,699	3,690	0	0	-1,965	0	-1,965	0	0	0	0	-1,965	0	0	0	0	0	-1,965
0	69	BIO GAS U SCOPE	TILIZATION-CHANGE IN	CW	S3	04	-800	-800	-200	-1,000	-1,000	-3,800	4,000	200	0	0	0	0	200	0	0	0	0	0	200
0	70		LED SUBSTANCE ATIO-CHANGE IN SCOPE	CW	S3	02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

							Curre	ent and Fu	ıture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	d By			
Sub Pric		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recovera ot	able	Total Financing
WAS	907097	ASHBRIDGES BAY WWTP - BUILDING SE	RVIC																						
0	71	GROVE LANDSCAPING - PHASE 1-CHANGE IN SCOPE	CW	S3	04	-7	0	0	0	0	-7	0	-7	0	0	0	0	-7	0	0	C	)	0	0	-7
		Sub-total				2,525	3,982	4,513	1,000	1,000	13,020	6,450	19,470	0	0	0	0	19,470	0	0	(	0	0	0	19,470
WAS	907098	ASHBRIDGES BAY WWTP - EFFLUENT SY	YSTE																					寸	
0	1	DISINFECTION ENGINEERING	CW	S2	02	4,900	1,550	1,075	492	75	8,092	58	8,150	0	0	657	0	7,493	0	0	C	)	0	0	8,150
0	2	OUTFALL CONSTRUCTION	CW	S2	02	30,000	52,000	57,000	62,000	52,000	253,000	69,000	322,000	0	0	25,914	0	296,086	0	0	C	)	0	0	322,000
0	13	OUTFALL ASSESSMENT	CW	S2	02	57	0	0	0	0	57	0	57	0	0	5	0	52	0	0	C	)	0	0	57
0	14	OUTFALL ENGINEERING	CW	S2	02	5,730	5,863	3,400	2,500	3,100	20,593	4,419	25,012	0	0	2,012	0	23,000	0	0	C	)	0	0	25,012
0	15	DISINFECTION SYSTEM CONSTRUCTION	N CW	S2	02	89,633	70,135	50,000	41,000	0	250,768	0	250,768	0	0	21,497	0	229,271	0	0	C	)	0	0	250,768
0	31	OUTFALL - SITE PREP	CW	S2	02	31	0	0	0	0	31	0	31	0	0	5	0	26	0	0	C	)	0	0	31
0	37	OUTFALL ASSESSMENT-CHANGE IN SCOPE	CW	S3	02	-57	0	0	0	0	-57	0	-57	0	0	-5	0	-52	0	0	C	)	0	0	-57
0	38	DISINFECTION SYSTEM CONSTRUCTION-CHANGE IN SCOPE	CW	S3	02	-54,498	-20,000	8,135	4,435	0	-61,928	0	-61,928	0	0	6,445	0	-68,373	0	0	C	)	0	0	-61,928
0	39	DISINFECTION ENGINEERING-CHANGE IN SCOPE	CW	S3	02	-3,006	1,131	1,000	1,000	0	125	0	125	0	0	568	0	-443	0	0	C	)	0	0	125
0	40	OUTFALL CONSTRUCTION-CHANGE IN SCOPE	CW	S3	02	5,000	8,500	8,000	-11,959	-6,959	2,582	-51,982	-49,400	0	0	14,421	0	-63,821	0	0	C	)	0	0	-49,400
0	41	OUTFALL ENGINEERING-CHANGE IN SCOPE	CW	S3	02	-2,604	-2,563	-500	400	1,000	-4,267	4,053	-214	0		,,,,,	0	.,0.2	0				0	0	-214
		Sub-total				75,186	116,616	128,110	99,868	49,216	468,996	25,548	494,544	0	0	73,177	0	421,367	0	0	(	0	0	0	494,544
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID TREA	<u>1AMT</u>																						
0	1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	316	0	0	0	0	316	0	316	0	0	25	0	291	0	0	C	)	0	0	316
0	2	ODOUR CONTROL - PRIMARY TANKS 7-9 UPGRADES	CW	S6	04	0	0	0	0	0	0	61,100	61,100	0	0	9,041	0	52,059	0	0	C	)	0	0	61,100
0	3	P BLDG HEADWORKS UPGRADE	CW	S2	03	10,627	0	0	0	0	10,627	0	10,627	0	0	1,235	0	9,392	0	0	C	)	0	0	10,627
0	6	M & T PUMPING STATION CRITICAL REPAIRS	CW	S2	03	2,085	0	0	0	0	2,085	0	2,085	0	0	0	0	2,085	0	0	C	)	0	0	2,085
0	10	INTEGRATED PUMPING STATION (IPS) - ENGINEERING	CW	S2	03	5,844	4,763	5,823	2,705	2,210	21,345	14,496	35,841	0	0	0	0	35,841	0	0	C	)	0	0	35,841
0	39	INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION		S2	03	19,220	26,550	47,000	25,025	65,000	182,795	197,850	380,645	0		225	0	380,420	0	0			0	0	380,645
0	77	FINE BUBBLE AERATION - ENGINEERING	G CW	S2	03	449	0	0	0	0	449	10,500	10,949	0	0	903	0	10,046	0	0	C	)	0	0	10,949
0	78	FINE BUBBLE AERATION - CONTRUCTION	CW	S6	03	0	0	0	0	0	0	75,000	75,000	0	0	0	0	75,000	0	0	C	)	0	0	75,000

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

		itor i rogium																						
							Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cu	rrent and Fu	uture Year (	Cash Flov	w Comm	itments F	inanced	Ву		
Sub Pric		<u>ject No.    Project Name</u> pProj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves F	Reserve Funds	Capital from Current	Other 1	Other2	Debt Recover Debt		Total Financing
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID TREA	TME1																					
0	84	AERATION TANK 12 & 13	CW	S4	05	50	4,000	4,450	7,800	39,000	55,300	101,850	157,150	0	C	38,550	0	118,600	0	0	0	0	0	157,150
0	89	INTEGRATED PUMPING STATION (IPS)CHANGE IN SCOPE	CW	S3	03	979	27,350	45,465	74,275	15,000	163,069	85,650	248,719	0	(	92,898	0	155,821	0	0	0	0	0	248,719
0	90	INTEGRATED PUMPING STATION (IPS)CHANGE IN SCOPE	CW	S3	03	-815	870	500	0	0	555	75	630	o	(	5,471	0	-4,841	0	0	0	0	0	630
0	91	M & T PUMPING STATION CRITICAL REP-CHANGE IN SCOPE	CW	S3	03	-1,235	1,417	0	0	0	182	0	182	0	(	0	0	182	0	0	0	0	0	182
0	92	FINE BUBBLE AERATION - ENGINEERING-CHANGE IN SCOPE	CW	S3	03	1	74	0	0	0	75	3,000	3,075	0	(	1,173	0	1,902	0	0	0	0	0	3,075
0	93	FINE BUBBLE AERATION - TANK #2-CHANGE IN SCOPE	CW	S3	03	-316	0	0	0	0	-316	0	-316	0	(	-25	0	-291	0	0	0	0	0	-316
0	94	P BLDG HEADWORKS UPGRADE-CHANGE IN SCOPE	CW	S3	03	-4,992	6,727	0	0	0	1,735	0	1,735	0			0	1,116	0			0	0	1,735
		Sub-total				32,213	71,751	103,238	109,805	121,210	438,217	549,521	987,738	0	(	150,115	0	837,623	0	0	0	0	0	987,738
WAS	907100	ASHBRIDGES BAY WWTP - SOLIDS & GA	S HA																					
0	3	WASTE ACTIVATED SLUDGE UPGRADE - ENGINEERING	CW	S2	03	2,788	2,500	2,500	2,000	500	10,288	304	10,592	0	C	871	0	9,721	0	0	0	0	0	10,592
0	4	DIGESTERS 9-12 REFURBISH	CW	S2	03	21,933	10,767	6,485	12	80	39,277	0	39,277	o	C	3,563	0	35,714	0	0	0	0	0	39,277
0	8	BIOSOLIDS PELLETIZER RETROFIT	CW	S2	03	422	400	400	400	0	1,622	0	1,622	o	(	0	0	1,622	0	0	0	0	0	1,622
0	22	WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	CW	S2	03	36,485	35,000	35,000	30,000	20,000	156,485	0	156,485	O	(	12,637	0	143,848	0	0	0	0	0	156,485
0	25	PELLETIZER TRUCK LOADING FACILITY UPGRADES	CW	S2	03	968	695	820	55	55	2,593	0	2,593	O	C	0	0	2,593	0	0	0	0	0	2,593
0	52	PRIMARY SLUDGE BUFFER TANK AND HEAT RECOVERY	CW	S4	04	50	200	1,975	3,200	350	5,775	65	5,840	0	(	0	0	5,840	0	0	0	0	0	5,840
0	53	PELLETIZER FACILITY		S4	03	800	2,000	2,000	2,500	400	7,700	97,850	105,550	0	(	0	0	105,550	0	0	0	0	0	105,550
0	56	WASTE ACTIVATED SLUDGE UPGRADE - C-CHANGE IN SCOPE			03	-31,485	3,000	7,000	15,000	22,000	15,515	0	15,515	0		·	0	2,703	0			0	0	15,515
0	57	WASTE ACTIVATED SLUDGE UPGRADE - E-CHANGE IN SCOPE			03	-1,288	-1,000	0	500	1,500	-288	0	-288	0			0	-963	0			0	0	-288
0	58	DIGESTERS 9-12 REFURBISH-CHANGE IN SCOPE		S3	03	-12,123	4,243	9,945	1,261	0	3,326	0	3,326	0		_,	0	585	0		0	0	0	3,326
0	59	BIOSOLIDS PELLETIZER RETROFIT-CHANGE IN SCOPE		S3	03	-22	0	0	-236	0	-258	0	-258	0	•	•	0	-258	0		0	0	0	-258
0	60	PELLETIZER TRUCK LOADING FACILITY -CHANGE IN SCOPE	CW	S3	03	-468	348	0 105	0	60	-60	125	65	0			0	65	0			0	0	65
		Sub-total				18,060	58,153	66,125	54,692	44,945	241,975	98,344	340,319	0	(	33,299	0	307,020	0	0	0	0	U	340,319
	907101			60	02											) 0		6	_					
0	5	BOILER #4 DESIGN	CW	S2	03	6	0	0	0	0	6	0	6	0	C	0	0	6	0	0	0	0	٥	б

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Report Phase 2 - Program 11 Wastewater Program Program Phase 2 Sub-Project Category 01.02.03.04.05.06.07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

#### **CITY OF TORONTO**

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UPGRADES-CHANGE IN SCOPE Sub-total

Gross Expenditures (\$000's)

Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

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Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Debt -Capital Federal Development Charnes Reserves Funds Total Total Sub- Project No. Project Name Recoverable Reserve from Total Grants and 2024-2028 2019-2028 2019 2020 2021 2022 2023 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2019-202 Other 1 Other2 Debt Financing Subsidies WAS907101 ASHBRIDGES BAY WWTP - O&M UPGRADES 0 6 MESI UPGRADES CW S2 0.3 2 962 3,000 0 Ω 5,962 5,962 n 0 0 0 5 962 0 0 5,962 MISC MECH REHAB CW S2 03 3,184 3,184 3,184 3,184 0 3,184 MESI UPGRADES - FUTURE YEAR 16,000 CW S6 0 16,000 16,000 0 21 03 0 0 0 n 0 0 0 16.000 n 0 0 MISC MECH REHAB-CHANGE IN SCOPE 38 CW S3 -1.567 1.600 0 33 33 33 0 33 39 MESI UPGRADES-CHANGE IN SCOPE CW S3 0 0 3,100 3,200 3,200 9,500 9,500 n 0 0 0 9,500 0 0 0 0 9,500 16,000 34,685 Sub-total 4,585 4,600 3,100 3,200 3,200 18,685 34,685 0 0 0 0 34,685 0 0 0 0 WAS907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL BIOFILTERS UPGRADE & REPLACEMENT CW S2 3,399 850 4,321 4,321 365 4,321 72 0 0 3,956 0 0 D BUILDING TREATMENT & BIOFILTER 656 656 656 0 13 CW S2 03 656 0 0 0 0 64 0 592 0 42 D BUILDING TREATMENT & CW S3 03 -156 197 0 0 41 41 0 41 0 0 0 0 0 41 BIOFILTER-CHANGE IN SCOPE 0 43 **BIOFILTERS UPGRADE &** CW S3 0.3 -907 700 0 0 -207 -207 0 0 253 0 -460 0 0 0 -207 REPLACEMENT-CHANGE IN SCOPE Sub-total 2,992 1,747 72 0 4,81 4,811 0 723 0 4,088 0 0 0 4,811 WAS907104 HUMBER WWTP - LIQUID TREATMENT & HANI SECONDARY TREATMENT UPGRADES -3.300 18.406 19.575 1.576 19.575 0 2 3.300 3.300 3.260 5.246 1.169 0 17.999 0 **SOUTH - ENGINEERING** 0 17 SECONDARY TREATMENT UPGRADES -CW S6 0 0 0 150 150 74,350 74,500 0 11,024 0 63,476 0 0 0 74,500 NORTH PLANT 0 19 SECONDARY TREATMENT UPGRADES -CW S2 0.3 23.000 24.000 31.000 12.000 17.290 107.290 10.000 117.290 9.443 0 107.847 0 0 0 117.290 SOUTH - CONS SECONDARY TREATMENT UPGRADES -0 28 CW S3 10 90 225 0 325 336 1,413 -1,077 0 0 0 336 SOU-CHANGE IN SCOPE SECONDARY TREATMENT UPGRADES -CW S3 0 -5.000 -4.790 -5.386 -12.500 -5.386 0 29 210 -596 7 114 0 0 Ω WAS

	SOU-CHANGE IN SCOPE																			
	Sub-total	26,310	27,390	29,525	15,260	22,896	121,381	84,934	206,315	0	0	30,570	0	175,745	0	0	0	0	0	206,315
'AS9	907105 HUMBER WWTP - O&M UPGRADES																			
0	1 GAS COMPRESSOR SYSTEM UPGRADES CW S2 03	813	0	0	0	0	813	0	813	0	0	0	0	813	0	0	0	0	0	813
0	2 LIQUID STREAM UPGRADES CW S2 03	386	0	0	0	0	386	0	386	0	0	31	0	355	0	0	0	0	0	386
0	35 LIQUID STREAM UPGRADES-CHANGE IN CW S3 03 SCOPE	-386	0	0	0	0	-386	0	-386	0	0	-31	0	-355	0	0	0	0	0	-386
0	36 GAS COMPRESSOR SYSTEM CW S3 03	-418	541	0	0	0	123	0	123	0	0	0	0	123	0	0	0	0	0	123

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

	SICW	ater Program																							
								Curre	ent and Fu	ıture Year	Cash Flor	w Commitm	nents			Cui	rent and Fu	ıture Year	Cash Flo	w Commit	ments l	Financed	Ву		
Sub Prio		oject No. Project Name ubProj No. Sub-project Name	W	Vard S	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	erable	Total Financing
		6 HUMBER WWTP - ODOUR CONTRO	<u>DL</u>																						
0	1	ODOUR CONTROL IMPLEMENTATION PHASE 1	ON -	CW	S2	02	766	0	0	0	0	766	0	766	0	0	69	0	697	0	(	0	0	0	766
0	15	ODOUR CONTROL IMPLEMENTATION PHA-CHANGE IN SCOPE	ON -	CW	S3	02	434	2,401	0	0	550	3,385	550	3,935	0	0	637	0	3,298	0	C	0	0	0	3,935
		Sub-total					1,200	2,401	0	0	550	4,151	550	4,701	0	0	706	0	3,995	0	C	0	0	0	4,701
WAS	907224	4 SEWAGE PUMPING STATION UPGE	RADES																						
0	1	SPS UPGRADES		CW	S2	02	2,212	750	0	0	0	2,962	0	2,962	0	0	292	0	2,670	0	C	0	0	0	2,962
0	4	SUNNYSIDE AND MARYPORT SPS UPGRADES		CW	S2	05	150	400	3,350	4,265	1,975	10,140	10	10,150	0	0	817	0	9,333	0	C	0	0	0	10,150
0	18	SPS UPGRADES - GROUP 6		CW	S2	02	3,891	5,250	5,356	4,390	3,598	22,485	55	22,540	0	0	1,814	0	20,726	0	C	0	0	0	22,540
0	26	SPS UPGRADES - GROUP 7		CW	S2	03	4	0	0	0	0	4	0	4	0	0	1	0	3	0	C	0	0	0	4
0	34	FACILITY & PROCESS UPGRADES		CW	S2	02	435	3,025	3,125	2,600	2,200	11,385	3,200	14,585	0	0	1,179	0	13,406	0	C	0	0	0	14,585
0	35	SCOTT ST PS & SIMCOE ST PS		CW	S2	03	400	500	500	500	0	1,900	0	1,900	0	0	0	0	1,900	0	C	0	0	0	1,900
0	36	SPS UPGRADES - GRINDERS		CW	S6	03	0	100	250	200	1,700	2,250	1,525	3,775	0	0	0	0	3,775	0	C	0	0	0	3,775
0	37	SPS UPGRADES - GROUP 8		CW	S6	02	0	0	0	100	325	425	22,925	23,350	0	0	3,456	0	19,894	0	C	0	0	0	23,350
0	38	SPS UPGRADES - VFD		CW	S6	03	0	0	0	50	675	725	4,025	4,750	0	0	0	0	4,750	0	C	0	0	0	4,750
0	39	SUNNYSIDE AND MARYPORT SPS UPGRADE-CHANGE IN SCOPE		CW	S3	05	-150	-350	-3,060	-2,020	-925	-6,505	890	-5,615	0	0	1,451	0	-7,066	0	C	0	0	0	-5,615
0	40	FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE		CW	S3	02	-60	-1,950	438	3,900	6,300	8,628	2,753	11,381	0	0	2,663	0	8,718	0	C	0	0	0	11,381
0	41	SCOTT ST PS & SIMCOE ST PS-CH IN SCOPE	ANGE	CW	S3	03	51	53	55	56	0	215	0	215	0	0	0	0	215	0	C	0	0	0	215
0	42	SPS UPGRADES - GROUP 7-CHANG SCOPE	GE IN	CW	S3	03	6	0	0	0	0	6	0	6	0	0	1	0	5	0	C	0	0	0	6
0	43	SPS UPGRADES - GROUP 6-CHANG SCOPE	GE IN	CW	S3	02	-1,068	215	0	500	501	148	0	148	0	0	1,544	0	-1,396	0	C	0	0	0	148
0	44	SPS UPGRADES-CHANGE IN SCOP	PΕ	CW	S3	02	-1,106	-55	0	0	0	-1,161	0	-1,161	0	0	-22	0	-1,139	0	C	0	0	0	-1,161
0	45	SUNNYSIDE SPS - WETWELL		CW	S6	03	0	30	400	1,660	410	2,500	0	2,500	0	0	370	0	2,130	0	C	0	0	0	2,500
		Sub-total					4,765	7,968	10,414	16,201	16,759	56,107	35,383	91,490	0	0	13,566	0	77,924	0	(	0	0	0	91,490
WAS	907559	9 DON & WATERFRONT TRUNK CSO				٠																			
0	1	DON & WATERFRONT TRUNK/CSO - DESIGN	PKG 1	CW	S2	04	10,946	6,475	6,475	6,475	615	30,986	461	31,447	0	0	2,566	0	28,881	0	(	0	0	0	31,447
0	4	Don & Waterfront Trunk/CSO Constru PHASE 2	iction -	CW	S6	04	0	0	0	0	25	25	197,000	197,025	0	0	29,153	0	167,872	0	(	0	0	0	197,025

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

vva	SICWO	ater Frogram																						
							Curr	ent and Fu	ıture Year	Cash Flor	v Commitn	nents			Cui	rrent and F	uture Year	Cash Flo	w Comm	itments F	inance	і Ву		
Sub		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward	Ctot	Cot	2019	2020	2021	2022	2023	Total	Total 2024-2028	Total	Provincial Grants and	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other?		Debt - ecoverable	Total Financing
		<u> </u>	vvaiu	Stat.	Cat.	2019	2020	2021	2022	2020	2019-2023	2024-2020	2019-2020	Subsidies	Subsidy	Onlarges				Other	Otherz	Debt		Financing
WAS	907559	DON & WATERFRONT TRUNK CSO																						
0	15	DCW - PHASE 1 - ADDITIONAL SCOPE	CW	S2	04	2,850	0	0	0	0	2,850	0	2,850	0	C	229	0	2,621	0	0	C	)	0 0	2,850
0	17	DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESLIE	CW	S2	04	1,340	11,175	4,060	51	50	16,676	0	16,676	0	C	1,353	0	15,323	0	0	C	)	0 0	16,676
0	18	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S2	04	80,000	85,000	85,000	85,000	85,000	420,000	62,500	482,500	0	C	33,509	0	448,991	0	0	C	)	0 0	482,500
0	19	DCW - MTI REGULATION/RTC	CW	S6	04	0	250	750	2,250	2,750	6,000	2,300	8,300	0	C	1,228	0	7,072	0	0	C	)	0 0	8,300
0	20	DCW - HRT DON & WATERFRONT TRUNK CSO	CW	S6	04	0	0	150	4,000	4,000	8,150	274,600	282,750	o	C	41,837	0	240,913	0	0	C	)	0 0	282,750
0	21	DCW - COXWELL CONNECTIONS	CW	S6	04	0	0	0	0	3,000	3,000	114,500	117,500	o	C	17,386	0	100,114	0	0	C	)	0 0	117,500
0	24	DON & WATERFRONT TRUNK/CSO PKG 1CHANGE IN SCOPE	CW	S3	04	-6,425	5,196	0	0	2,500	1,271	0	1,271	o	C	2,341	0	-1,070	0	0	C	)	0 0	1,271
0	25	DCW - PHASE 1 - ADDITIONAL SCOPE-CHANGE IN SCOPE	CW	S3	04	-1,716	1,716	0	0	0	0	0	0	o	C	193	0	-193	0	0	C	)	0 0	0
0	26	Don & Waterfront Trunk/CSO Constru-CHANGE IN SCOPE	CW	S3	04	3,895	-8,252	-15,000	-5,000	-26,000	-50,357	-37,038	-87,395	o	C	13,114	0	-100,509	0	0	C	)	0 0	-87,395
0	27	DCW - PH1 - OFFLINE STORAGE TANK S-CHANGE IN SCOPE	CW	S3	04	-715	-10,596	3,940	11,349	7,652	11,630	50	11,680	o	C	2,843	0	8,837	0	0	C	)	0 0	11,680
		Sub-total				90,175	90,964	85,375	104,125	79,592	450,231	614,373	1,064,604	0	C	145,752	0	918,852	0	0	(	)	0 0	1,064,604
WAS	907700	NORTH TORONTO WTP UPGRADES																						
0	2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	3,129	1,991	1,585	31	0	6,736	0	6,736	o	C	0	0	6,736	0	0	C	)	0 0	6,736
0	10	OPS INTERFACE NTTP	CW	S2	04	200	0	0	0	0	200	0	200	О	C	0	0	200	0	0	C	)	0 0	200
0	11	NTTP - PROCESS IMPROVEMENTS	CW	S2	04	5,572	5,100	50	50	0	10,772	0	10,772	О	C	0	0	10,772	0	0	C	)	0 0	10,772
0	15	NTTP - ELECTRICAL UPGRADES - ECAR-CHANGE IN SCOPE	CW	S3	01	-2,430	2,186	774	2,343	1,891	4,764	31	4,795	О	C	0	0	4,795	0	0	C	)	0 0	4,795
0	16	NTTP - PROCESS IMPROVEMENTS-CHANGE IN SCOPE	CW	S3	04	-4,638	1,162	5,960	5,811	3,770	12,065	12	12,077	О	C	0	0	12,077	0	0	C	)	0 0	12,077
		Sub-total				1,833	10,439	8,369	8,235	5,661	34,537	43	34,580	0	C	0	0	34,580	0	0	(	0	0 0	34,580
WAS	908143	Georgetown South City Infrastructure Upgrad	des																					
0	1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	5,115	0	0	0	0	5,115	0	5,115	0	C	412	0	4,703	0	0	C	)	0 0	5,115
0	9	GEORGETOWN SOUTH CITY INFRASTRUCTU-CHANGE IN SCOPE	CW	S3	05	0	0	0	0	0	0	0	0	О	C	4,703	0	-4,703	0	0	C	)	0 0	0
		Sub-total				5,115	0	0	0	0	5,115	0	5,115	0	C	5,115	0	0	0	0	(	0	0 0	5,115
WAS	WP003	B EMERY CREEK POND																						
0	1	EMERY CREEK POND	CW	S2	04	1,097	94	0	0	0	1,191	0	1,191	o	C	97	0	1,094	0	0	C	)	0 0	1,191

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2019 2020 2021 2022 2023 2019-2023 2024-2028 2019-2028 Subsidies Subsidie					i									i										
Sub-   Project No.   Project No.   Project No.   Project Name   Ward   Stat.   Cat.   2019   2020   2021   2022   2023   2019-2023   2019-2023   2024-2028   2019-2028   201							Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Curr	ent and Fu	uture Year	Cash Flo	w Comm	itments	Financed	Ву		
0 17 EMERY CREEK POND-CHANGE IN CW S3 04 -549 483 0 0 0 -66 0 -66 0 0 72 0 -138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PrioritySubProj N	No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023				Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges	Reserves	Reserve Funds		Other 1	Other2	Reco	verable	Total Financing
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIC  0 78 EQUIPMENT REPLACEMENT CW S2 03 10,297 6,100 695 40 53 17,185 0 17,185 0 0 0 0 0 17,185 0 0 0 0 0 17,185 0 0 0 0 0 17,185 0 0 0 0 0 0 0 17,185 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 17 EMEF	RY CREEK POND-CHANGE IN	CW	S3	04	-549	483	0	0	0	-66	0	-66	0	0	72	0	-138	C	)	0 0	0	0	-66
0 78 EQUIPMENT REPLACEMENT CW S2 03 10,297 6,100 695 40 53 17,185 0 17,185 0 0 0 0 17,185 0 0 0 0 0 17,185 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Sub-total				548	577	0	0	0	1,125	0	1,125	0	0	169	0	956	C	)	0 0	0	0	1,125
0 137 EQUIPMENT REPLACEMENT-CHANGE IN CW S3 03 -6,732 -1,459 5,036 -5 -12 -3,172 53 -3,119 0 0 0 0 -3,119 0 0 0 0 -	WASWP050 EQUI	PMENT REPLACEMENT & REHABIL																						
SCOPE	0 78 EQUI	PMENT REPLACEMENT	CW	S2	03	10,297	6,100	695	40	53	17,185	0	17,185	0	0	0	0	17,185	C	)	0 0	0	0	17,185
Sub-total 3,565 4,641 5,731 35 41 14,013 53 14,066 0 0 0 0 14,066 0 0 0 0 12			N CW	S3	03	-6,732	-1,459	5,036	-5	-12	-3,172	53	-3,119	0	0	0	0	-3,119	C	)	0 0	0	0	-3,119
		Sub-total				3,565	4,641	5,731	35	41	14,013	53	14,066	0	0	0	0	14,066	C	)	0 0	0	0	14,066
Total Program Expenditure 610,113 1,032,188 1,122,420 1,090,317 927,092 4,782,130 4,220,977 9,003,107 25,500 25,500 772,757 08,179,350 0 0 0 0 0 9,003	Total Program	m Expenditure				610,113	1,032,188	1,122,420	1,090,317	927,092	4,782,130	4,220,977	9,003,107	25,500	25,500	772,757	08	,179,350	C	)	0 0	0	0	9,003,107

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Report 7C

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)

# Appendix 7: 2019 Capital Budget; 2020-2028 Capital Plan Including Carry Forward Funding

Wastewater Program																			
		Current and	Future Ye	ar Cash F	low Comr	mitments ar	nd Estimate	s		Current	and Future Y	ear Casl	h Flow C	ommitme	nts and	Estimates	Financed F	Зy	
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> Priority SubProj No. Sub-project Name Ward Stat. Cat	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028		Federal De Subsidy	evelopment Charges Re		Reserve Funds	Capital from Current	Other 1	1 Other2	Deb Recove Debt	erable	Total Financing
Financed By:							-												
Provincial Grants & Subsidies	0	2,500	2,500	2,500	3,000	10,500	15,000	25,500	25,500	0	0	0	0	0		0 0	0	0	25,500
Federal Subsidy	0	2,500	2,500	2,500	3,000	10,500	15,000	25,500	0	25,500	0	0	0	0		0 0	0	0	25,500
Development Charges	62,065	93,364	105,577	72,122	78,081	411,209	361,548	772,757	0	0	772,757	0	0	0		0 0	0	0	772,757
Reserve Funds (Ind."XR" Ref.)	548,048	933,824	1,011,843	1,013,195	843,011	4,349,921	3,829,429	8,179,350	0	0	0	08	,179,350	0		0 0	0	0	8,179,350
Total Program Financing	610,113	1,032,188	1,122,420 ′	1,090,317	927,092	4,782,130	4,220,977	9,003,107	25,500	25,500	772,757	08	,179,350	0		0 0	0	0	9,003,107

Status Code	Description
00	CO D-i V

S2 S2 Prior Year (With 2019 and\or Future Year Cashflow) S3

S3 Prior Year - Change of Scope 2019 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 2020 & Beyond)

#### **Category Code Description**

Health and Safety C01 02 Legislated C02

03 State of Good Repair C03

Service Improvement and Enhancement C04

05 Growth Related C05

Reserved Category 1 C06 06 Reserved Category 2 C07

**Appendix 8** 

# 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

											Total 2019 Cash Flow & FY
(In \$000s)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Commits
Expenditures:											
Previously Approved											
Water Meter Program (AMR)	578										578
Basement Flooding	130,866	138,430	141,337	138,902	156,388	147,270	148,000	92,065	15,300		1,108,558
Business & Technology	14,289	11,663	9,343	3,730	3,175	1,800					44,000
Linear Eng	68,383	37,607	17,734	14,745	7,000	2,429	705	2,139			150,742
NewConnections	12,323										12,323
New Sewers	13,703	9,450	6,500	2,300							31,953
Sewer Rehabilitation	80,225	36,516	8,243	7,443							132.427
Sewer Replacement	37,934	11,792	4,536	830							55,092
WM Rehabilitation	82,578	19,734	314	175							102,801
WM Replacement	187,116	56,840	20,683	586	71	40					265,336
Water Service Replacement	66,698	18,901	5,001	300	/ 1	40					90,600
Pumping Stations	26,800	24,966	12,458	11,755	7,773	3,165	100				87,017
Trunk Water Mains	36,977	27,575	4,477	1,042	700	700	245	35			71,751
								33			
WT - Storage & Treatment	49,277	41,229	22,463	6,065	5,298	2,650	25				127,007
Trunk Sewers & Pumping Stations	62,247	57,488	71,146	39,776	9,357	142					240,156
Ashbridges Bay TP	308,384	283,867	239,572	199,814	155,651	107,726	106,250	73,527	10,384		1,485,175
Highland Creek TP	66,106	70,878	64,273	41,374	29,755	21,340	19,155	18,460	1,362		332,703
Humber TP	66,039	51,735	51,279	31,417	34,789	10,900	4,900	4,910	3,009		258,978
RL Clark TP	11,204	4,480	260	235							16,179
RC Harris TP	21,224	7,927	2,247	1,250							32,648
FJ Horgan TP	4,365	3,172	1,260	244							9,041
Island TP	18,310	24,305	20,057	9,275	200	200					72,347
WTP-Plantwide	6,336	5,173	5,120	2,881	947	732	50				21,239
Water Effeciency Plan	445	445	445	445							1,780
WWF-Implementation Projects	122,228	131,446	115,361	100,357	91,065	69,511	5,340	9,600	33,200		678,108
WWF-TRCA	800	.51,440	5,001	.55,557	5.,000	55,511	5,540	5,000	55,200		800
WWF - Stream Restoration	8,121	5,720	4,216	1,938	1,213	470	180	105	70		22,033
Yards & Facility	12,807	9,217	2,958	502	210	210	210	210	8,660		34,984
				617,081							
Subtotal	1,516,363	1,090,556	831,283	617,081	503,592	369,285	285,160	201,051	71,985		5,486,356
Change in Scope											
Water Meter Program (AMR)	4,605	1,680	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,285
Basement Flooding	(54,861)	4,435	8,864	36,155	(4,578)	(19,627)	(30,665)	18,615	20,000	20,000	(1,662
Business & Technology	(3,008)	(300)	2,161	1,682	1,500						2,035
Linear Eng	9,739	41,646	69,139	51,785	33,692	12,315	2,395	(1,269)			219,442
NewConnections	29,513	50,881	52,758	4,634							137,786
New Sewers	(7,188)	116	12,959	24,237	11,651	2,930	1,048	698			46,451
Sewer Rehabilitation	(27,342)	33,869	56,312	19,300	4,000	200					86,339
Sewer Replacement	(21,226)	9,491	16,550	4,682	2,469	100					12,066
WM Rehabilitation	(26,559)	46,795	28,444	745	_,						49,425
WM Replacement	(90,498)	108,408	128,313	35,530	8,564						190,317
Water Service Replacement	(35,577)	45,199	42,030	19,400	3,000						74,052
Pumping Stations	(11,686)	(4,144)	4,766	7,436	5,876	3,643					5,891
							500	400	400	400	
Trunk Water Mains	(21,432)	(3,691)	15,575	3,400	441	492	500	400	400	400	(3,515
WT - Storage & Treatment	(21,896)	(2,383)	10,959	12,163	1,014	1,192					1,049
Trunk Sewers & Pumping Stations	(35,290)	17,754	(7,913)	(3,330)	8,600	8,002					(12,177
Ashbridges Bay TP	(154,018)	28,515	111,426	98,039	53,110	4,624	(14,227)	(16,815)	40,165	31,525	182,344
Highland Creek TP	(38,833)	(11,408)	(5,471)	28,891	33,222	20,727	15,725	(6,240)	5,215	8,004	49,832
Humber TP	(19,161)	4,877	9,184	4,389	4,348	8,357	35	25	551		12,605
RL Clark TP	(815)	1,161	58	56							460
RC Harris TP	(16,587)	8,784	9,265	1,587	1,024	550					4,623
FJ Horgan TP	(3,339)	(821)	1,706	1,083	910	1,011					550
Island TP	(12,425)	(9,831)	6,634	16,960	10,124	817					12,279
WTP-Plantwide	(3,640)	1,205	908	2,976	2,257	187	5				3,898
Water Effeciency Plan	50	261	158	162	167						798
WWF-Implementation Projects	(13,129)	4,535	33,911	43,808	667	(42,757)	(3,428)	(6,500)	(23,900)	28,000	21,207
WWF-TRCA	13,991	4,000	55,511	.5,550	007	(.2,707)	(0,720)	(5,555)	(25,555)	20,000	13,991
WWF - Stream Restoration	(610)	4,814	4,588	4,459	3,352	1,560	380	90	50	20	18,703
Yards & Facility	(6,725)	310	8,617	570	120	1,500	300	90	50	210	3,102
						E 000	(26 722)	(0.406)	12 004		
Subtotal	(567,947)	382,158	623,401	422,299	187,030	5,823	(26,732)	(9,496)	43,981	89,659	1,150,176
New w/Future Year			_	_							
Business & Technology	1,865	970	75	50	200						3,160
Sewer Rehabilitation	2,995	4,001	4,001	641							11,638
WT - Storage & Treatment	225	900	5,500	5,060	1,610	1,920	2,430	1,575	950	450	20,620
Trunk Sewers & Pumping Stations	1,475	3,735	6,170	33,677	17,213	18,218	3,860	80			84,428
Ashbridges Bay TP	2,380	15,345	17,045	21,295	53,815	105,215	101,530	55,150	24,735	8,375	404,885
Humber TP	250	2,950	400								3,600
RC Harris TP	900	1,800									2,700
Island TP	900	8,700	2,300	3,300		150		150		150	15,650
WTP-Plantwide	250	4,250	4,500	10,000	1,000						20,000
WWF - Stream Restoration	850	5,470	2,045	1,500	1,450	1,000	700				13,015
Subtotal					75,288		108,520	56 0EF	25,685	8 07F	
	12,090	48,121	42,036	75,523		126,503		56,955		8,975	579,696
Total Expenditure	960,506	1,520,835	1,496,720	1,114,903	765,910	501,611	366,948	248,510	141,651	98,634	7,216,228
Financing:											
Other (Region of York)	6,117	9,319	6,969	2,913	1,223	585	373	265			27,764
Carci (Region of Tork)					688,236	438,718	309,702	220,930	127,080	06 702	6,516,019
Pecenies/Pec Funds											
Reserves/Res Funds Development Charges	863,614 90,775	1,385,972 125,544	1,358,666 131,085	1,036,318 75,672	76,451	62,308	56,873	27,315	14,571	86,783 11,851	672,445

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)

Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

ΛÞ	pona	X 0. 2013 Casii i low and i di						g	- u	Oi Wai	a i aiiai	9												
Wa	ter Pro	ogram																						
							Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flov	w Commit	ments F	inanced	Ву		
<u>Sub</u>		ect No. Project Name Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve	Capital from Current	Other 1	Other2	Re	Debt - ecoverable	Total Financing
WAT	000004	, , ,													-									
0	39	PLANT EXPANSION - CONSTRUCTION	CW	S2	05	0	0	0	41	0	41	0	41	0	0	13	0	15	0	0	13	(	0 0	41
0	42	PLANT EXPANSION - CONSTRUCTION-CHANGE IN SCOPE	CW	S3	05	0	0	0	0	0	0	0	0	0	0	15	0	-15	0	0	0		0 0	0
		Sub-total				0	0	0	41	0	41	0	41	0	0	28	0	0	0	0	13	,	0 0	41
WAT	000018	CLARK RESIDUE MGMT. FACILITIES																						
0	24	RESIDUALS RETROFITS AND UPGRADES	S CW	S2	02	3,102	0	0	0	0	3,102	0	3,102	0	0	0	0	3,102	0	0	0	C	0 0	3,102
0	31	RESIDUALS RETROFITS AND UPGRADES-CHANGE IN SCOPE	CW	S3	02	-663	700	3	0	0	40	0	40	0	0	0	0	40	0	0	0		0 0	40
		Sub-total				2,439	700	3	0	0	3,142	0	3,142	0	0	0	0	3,142	0	0	0	,	0 0	3,142
WAT	000021	WATER EFFICIENCY PROGRAM																						
0	10	ICI INDOOR WATER AUDIT	CW	S2	05	300	300	300	300	0	1,200	0	1,200	0	0	1,200	0	0	0	0	0	C	0 0	1,200
0	11	PUBLIC EDUCATION & PROMOTIONS	CW	S2	05	75	75	75	75	0	300	0	300	0	0	300	0	0	0	0	0	C	0 0	300
0	12	ANCILLARY COSTS	CW	S2	05	70	70	70	70	0	280	0	280	0	0	280	0	0	0	0	0	C	0 0	280
0	97	ICI INDOOR WATER AUDIT-CHANGE IN SCOPE	CW	S3	05	50	261	158			798	0	798	0			0	0	0	0			0 0	700
		Sub-total				495	706	603	607	167	2,578	0	2,578	0	0	2,578	0	0	0	0	0	(	0 0	2,578
WAT	000363	ENGINEERING STUDIES																						
0	2	IMPROVED TREATMENT STUDIES	CW	S2	04	66	0	0	0	0	66	0	66	0	0	0	0	46	0	0	20	C	) (	66
0	18	CONTROLLED SUBSTANCES ID AND ABATEMENT	CW	S2	02	100	0	0	0	0	100	0	100	0	0	0	0	100	0	0	0	C	0 0	100
0	31	ENERGY EFFICIENCY IMPLEMENTATION	CW	S2	04	38	0	0	0	0	38	0	38	0	0	0	0	38	0	0	0	C	0 0	38
0	79	ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCOPE	CW	S3	04	127	100	0	0	0	227	0	227	0	0	0	0	227	0	0	0	C	0 0	227
0	80	IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE	CW	S3	04	4	50	50	50	50	204	0	204	0	0	0	0	143	0	0	61	C	0 0	204
0	81	CONTROLLED SUBSTANCES ID AND ABATE-CHANGE IN SCOPE	CW	S3	02	25	125	125	0	0	275	0	275	0	0	0	0	275	0	0	0		0 0	275
		Sub-total				360	275	175	50	50	910	0	910	0	0	0	0	829	0	0	81	-	0 0	910
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE -	<u>PW</u>																					
0	12	PCS LEGACY ALARM IMPROVEMENT	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	C	0 0	20
0	23	RELIABILITY IMPROVEMENT PROGRAM	CW	S2	04	355	240	140	40	0	775	0	775	0	0	0	0	775	0	0	0	C	0 0	775
0	41	SCADA UPGRADES FOR WWT	CW	S2	04	3,326	3,052	3,880	3,185	2,825	16,268	1,800	18,068	O	0	0	0	18,068	0	0	0	C	0 0	18,068

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curr	ent and Fu	uture Year (	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sub</u> Prio		i <u>ect No.    Project Name</u> Proj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAT	906334	BUSINESS SYSTEM INFRASTRUCTURE -	PW_																					
0	67	SCADA UPGRADES FOR WWT - II	CW	S2	04	972	661	0	0	0	1,633	0	1,633	c	0	0	0	1,633	0	0	0	0	0	1,633
0	85	NETWORK IMPROVEMENTS	CW	S2	04	585	0	0	0	0	585	0	585	C	0	0	0	585	0	0	0	0	0	585
0	87	PCS UPGRADES 2017	CW	S2	04	210	105	0	0	0	315	0	315	C	0	0	0	315	0	0	0	0	0	315
0	88	TRUNK RADIO - EQUIPMENT	CW	S2	03	160	0	78	80	0	318	0	318	c	0	0	0	318	0	0	0	0	0	318
0	97	SCADA SOFTWARE	CW	S2	04	260	180	180	0	0	620	0	620	c	0	0	0	620	0	0	0	0	0	620
0	101	NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 2018 SC	CW	S2	03	5	0	0	0	0	5	0	5	c	0	0	0	5	0	0	0	0	0	5
0	109	SCADA UPGRADES FOR WWT - II -CHANGE IN SCOPE	CW	S3	04	-123	1,218	1,060	1,000	1,000	4,155	0	4,155	c	0	0	0	4,155	0	0	0	0	0	4,155
0	110	RELIABILITY IMPROVEMENT PROGRAM-CHANGE IN SCOPE	CW	S3	04	-80	265	275	130	0	590	0	590	c	0	0	0	590	0	0	0	0	0	590
0	111	NETWORK IMPROVEMENTS-CHANGE IN SCOPE	CW	S3	04	127	209	0	0	0	336	0	336	c	0	0	0	336	0	0	0	0	0	336
0	112	SCADA UPGRADES FOR WWT-CHANGE IN SCOPE	CW	S3	04	2,677	1,315	766	102	0	4,860	0	4,860	c	0	0	0	4,860	0	0	0	0	0	4,860
0	113	TECHNOLOGY IMPROVEMENTS	CW	S4	04	1,865	970	75	50	200	3,160	0	3,160	С	0	0	0	3,160	0	0	0	0	0	3,160
0	114	SCADA SOFTWARE-CHANGE IN SCOPE	CW	S3	04	-80	100	100	50	0	170	0	170	С	0	0	0	170	0	0	0	0	0	170
0	115	NETWORK EQUIPMENT LIFE CYCLE REPLA-CHANGE IN SCOPE	CW	S3	03	0	79	0	0	0	79	0	79	c	0	0	0	79	0	0	0	0	0	79
0	116	TRUNK RADIO - EQUIPMENT-CHANGE IN SCOPE	CW	S3	03	-160	0	0	0	0	-160	0	-160	c	0	0	0	-160	0	0	0	0	0	-160
0	117	PCS UPGRADES FOR WATER SUPPLY-CHANGE IN SCOPE	CW	S3	04	1	0	0	0	0	1	0	1	c	0	0	0	1	0	0	0	0	0	1
0	118	PCS LEGACY ALARM IMPROVEMENT -CHANGE IN SCOPE	CW	S3	04	30	0	0	0	0	30	0	30	c	0	0	0	30	0	0	0	0	0	30
		Sub-total				10,150	8,394	6,554	4,637	4,025	33,760	1,800	35,560	0	0	0	0	35,560	0	0	0	0	0	35,560
WAT	906340	METERING & METER READING SYS																						
0	2	AUTOMATED METER READING SYSTEM	CW	S2	04	578	0	0	0	0	578	0	578	c	0	0	0	578	0	0	0	0	0	578
0	20	AUTOMATED METER READING SYSTEM-CHANGE IN SCOPE	CW	S3	04	4,605	1,680	1,500	1,500	1,500	10,785	7,500	18,285	c	0	0	0	18,285	0	0	0	0	0	18,285
		Sub-total				5,183	1,680	1,500	1,500	1,500	11,363	7,500	18,863	0	0	0	0	18,863	0	) 0	0	0	0	18,863
WAT	906468	HORGAN TRUNK MAIN EXPANSION																						
0	52	DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engineering	CW	S2	05	1,240	1,100	1,700	700	700	5,440	980	6,420	c	0	2,586	0	3,834	0	0	0	0	0	6,420

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

	L		Curre	int and Ft	iture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flov	v Commi	tments F	inanced I	Ву				
	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds		Other 1	Other2			Total Financing
HORGAN TRUNK MAIN EXPANSION																						
DOWNSVIEW MAIN (KEELE PS TO DOWNSV-CHANGE IN SCOPE	CW	S3	05	-240	0	200	0	0	-40	100	60	0	0	3,894	0	-3,834	0	0	0	0	0	60
Sub-total				1,000	1,100	1,900	700	700	5,400	1,080	6,480	0	0	6,480	0	0	0	0	0	0	0	6,480
ISLAND W.T.P. R&R			F																			
CHEMICAL & RESIDUALS MANAGMENT ENGINEERING	CW	S2	02	2,407	900	980	850	200	5,337	200	5,537	0	0	0	0	5,537	0	0	0	0	0	5,537
CHEMICAL & RESIDUALS MANAGEMENT CONST	r cw	S2	02	1,530	15,000	18,000	7,400	0	41,930	0	41,930	0	0	2,551	0	39,379	0	0	0	0	0	41,930
CHEMICAL & RESIDUALS MANAGMENT ENG-CHANGE IN SCOPE	CW	S3	02	-1,517	659	183	430	929	684	167	851	0	0	0	0	851	0	0	0	0	0	851
CHEMICAL & RESIDUALS MANAGEMENT CO-CHANGE IN SCOPE	r cw	S3	02	-1,500	-14,097	-3,000	10,600	7,400	-597	0	-597	0	0	3,564	0	-4,161	0	0	0	0	0	-597
Sub-total				920	2,462	16,163	19,280	8,529	47,354	367	47,721	0	0	6,115	0	41,606	0	0	0	0	0	47,721
DISTRICT WATERMAINS - NEW			ŀ																			
NEW WATERMAIN	CW	S2	05	58	500	0	0	0	558	0	558	0	0	558	0	0	0	0	0	0	0	558
NEW WM -CHANGE IN SCOPE	CW	S3	05	-48	0	500	0	0	452	0	452	0	0	452	0	0	0	0	0	0	0	452
Sub-total			Ī	10	500	500	0	0	1,010	0	1,010	0	0	1,010	0	0	0	0	0	0	0	1,010
PW ENGINEERING			ŀ																			
CAPITAL PROGRAMMING & FACILITY ASSET PLANNING	CW	S2	03	3,903	2,300	0	0	0	6,203	0	6,203	0	0	0	0	6,203	0	0	0	0	0	6,203
WATERMAIN ASSET PLANNING	CW	S2	03	2,839	2,050	1,055	1,100	1,120	8,164	675	8,839	0	0	2,195	0	3,145	0	0	3,499	0	0	8,839
EASEMENT ACQUISITION	CW	S2	04	690	0	0	0	0	690	0	690	0	0	0	0	690	0	0	0	0	0	690
WATER LOSS REDUCTION STRATEGY	CW	S2	03	889	429	1,000	1,000	1,000	4,318	0	4,318	0	0	0	0	4,318	0	0	0	0	0	4,318
ASSET MGMT SYSTEM IMPLEMENTATION	CW	S2	04	1,550	1,000	1,000	1,000	1,000	5,550	1,500	7,050	0	0	1,763	0	5,287	0	0	0	0	0	7,050
JOS UPDATE PHASE II	CW	S2	05	657	0	0	0	0	657	0	657	0	0	329	0	-1	0	0	329	0	0	657
WATERMAIN ASSET PLANNING-CHANGI IN SCOPE	E CW	S3	03	-1,831	-45	365	265	50	-1,196	1,795	599	0	0	-770	0	1,133	0	0	236	0	0	599
CAPITAL PROGRAMMING & FACILITY ASS-CHANGE IN SCOPE	CW	S3	03	-2,585	33	4,140	2,000	1,000	4,588	0	4,588	0	0	0	0	4,588	0	0	0	0	0	4,588
JOS UPDATE PHASE II-CHANGE IN SCOPE	CW	S3	05	-301	100	0	0	0	-201	0	-201	0	0	-101	0	1	0	0	-101	0	0	-201
ASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE	CW	S3	04	-1,300	0	0	0	0	-1,300	0	-1,300	0	0	-325	0	-975	0	0	0	0	0	-1,300
WATER LOSS REDUCTION STRATEGY-CHANGE IN SCOPE	CW	S3	03	-338	551	38	0	0	251	0	251	O	0	0	0	251	0	0	0	0	0	251
	DOWNSV-CHANGE IN SCOPE Sub-total  ISLAND W.T.P. R&R  CHEMICAL & RESIDUALS MANAGMENT ENGINEERING  CHEMICAL & RESIDUALS MANAGMENT CONST  CHEMICAL & RESIDUALS MANAGMENT ENG-CHANGE IN SCOPE  CHEMICAL & RESIDUALS MANAGEMENT CO-CHANGE IN SCOPE  Sub-total  DISTRICT WATERMAINS - NEW  NEW WATERMAIN  NEW WM -CHANGE IN SCOPE  Sub-total  PW ENGINEERING  CAPITAL PROGRAMMING & FACILITY ASSET PLANNING  WATERMAIN ASSET PLANNING  EASEMENT ACQUISITION  WATER LOSS REDUCTION STRATEGY  ASSET MGMT SYSTEM IMPLEMENTATION  JOS UPDATE PHASE II  WATERMAIN ASSET PLANNING-CHANGE IN SCOPE  CAPITAL PROGRAMMING & FACILITY ASS-CHANGE IN SCOPE  JOS UPDATE PHASE II-CHANGE IN SCOPE  ASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE  ASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE  ASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE  MASSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN SCOPE  WATER LOSS REDUCTION	Proj No. Sub-project Name Ward HORGAN TRUNK MAIN EXPANSION  DOWNSVIEW MAIN (KEELE PS TO DOWNSV-CHANGE IN SCOPE Sub-total  ISLAND W.T.P. R&R  CHEMICAL & RESIDUALS MANAGEMENT CWENGINEERING CHEMICAL & RESIDUALS MANAGEMENT CWENGINEERING CHEMICAL & RESIDUALS MANAGEMENT CWENG-CHANGE IN SCOPE Sub-total  DISTRICT WATERMAINS - NEW  NEW WATERMAIN CWENGINEERING CAPITAL PROGRAMMING & FACILITY ASSET PLANNING WATERMAIN ASSET PLANNING CWENGERING CWENGERING CASSET MGMT SYSTEM IN SCOPE CAPITAL PROGRAMMING & FACILITY CWENGERING C	Proj No. Sub-project Name Ward Stat.  HORGAN TRUNK MAIN EXPANSION  DOWNSVIEW MAIN (KEELE PS TO DOWNSV-CHANGE IN SCOPE Sub-total  ISLAND W.T.P. R&R  CHEMICAL & RESIDUALS MANAGEMENT CW S2 CONST CHANGE IN SCOPE Sub-total  ISLAND W.T.P. R&R  CHEMICAL & RESIDUALS MANAGEMENT CW S2 CONST CHANGE IN SCOPE Sub-total  DISTRICT WATERMAINS - NEW  NEW WATERMAIN CW S2  NEW WM -CHANGE IN SCOPE CW S3  Sub-total  PW ENGINEERING  CAPITAL PROGRAMMING & FACILITY ASSET PLANNING WATERMAIN ASSET PLANNING CW S2  WATER LOSS REDUCTION STRATEGY CW S2  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE CW S3  WATERMAIN ASSET PLANNING-CHANGE IN SCOPE  ASSET MGMT SYSTEM CW S3  MASSET MGMT SYSTEM CW S3  MATERMAIN SYSTEM CW S3  MATER LOSS REDUCTION CW S3	Proj No.   Sub-project Name   Ward   Stat.   Cat.	Proj No. Sub-project Name   Ward Stat.   Cat.	Proj No. Sub-project Name	Proj No.   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021     HORGAN TRUNK MAIN EXPANSION   DOWNSVIEW MAIN (KEELE PS TO DOWNSVIEW MAIN (KELE PS TO DOWNSVIEW MAIN (KELE PS TO DOWNSVIEW MAIN (KELE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW MAIN (KELLE PS TO DOWNSVIEW	Proj No   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021   2022	SPYO] NO.   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021   2022   2023	Proc No. Sub-project Name	Prof No. Sub-project Name		Proping No. Sub-project Name	Proj No.   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021   2022   2023   2019-2023   2019-2026   2019-2026   2019-2026   2019-2026   2019-2027   2	Prop No. Sub-proper Name   Ward State   2019   2020   2021   2022   2023   2019.020   2024   2024   2025   2018   2019   2024   2026	Prof No. Sub-profeed Name		INCHABLY NAME   PROPERTY NAM	Part   Property No. Sub-pose	BICHINA DIFFORMS SUB-PRIOR MARINE PRIOR STATE CALL PRIOR SALE	March   Marc	Mary No.   Sub-profile Marke   Mary   Sure   Cate   2019   2029   2029   2022

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	nt and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fut	ture Year	Cash Flo	w Comm	itments	Financed	Ву		
<u>Sub</u>		<u>ject No.</u> <u>Project Name</u> pProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges F	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
		PW ENGINEERING												Subsidies									-	
	81	EASEMENT ACQUISITION-CHANGE IN SCOPE	CW	S3	04	114	500	500	0	0	1,114	0	1,114	C	0	0	0	1,114	0	(	0	0	0	1,114
		Sub-total				4,287	6,918	8,098	5,365	4,170	28,838	3,970	32,808	0	0	3,091	0	25,754	0	(	3,963	(	0 0	32,808
WAT	906752	TRANSMISSION R&R																						
0	49	TRUNK WATERMAIN REHAB	CW	S2	03	260	320	250	250	0	1,080	0	1,080	С	0	0	0	1,080	0	(	0	0	0	1,080
0	51	CAST IRON TRUNK REPLC - PHASE 2	CW	S2	03	512	213	0	0	0	725	0	725	С	0	0	0	725	0	(	0	0	0	725
0	52	CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	CW	S2	03	1,051	707	0	0	0	1,758	0	1,758	С	0	0	0	1,758	0	(	0	0	0	1,758
0	58	CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	C	0	0	0	1,500	0	(	0	0	0	1,500
0	82	CAST IRON TRUNK REPLC - PHASE 3 CHANGE IN SCOPE	CW	S3	03	-325	119	0	0	0	-206	0	-206	С	0	0	0	-206	0	(	0	0	0	-206
0	83	TRUNK WATERMAIN REHAB-CHANGE IN SCOPE			03	150	100	150	150	400	950	2,000	2,950	C			0	2,950				0		2,950
0	84	CAST IRON TRUNK REPLC - PHASE 2-CHANGE IN SCOPE		S3		-48	57	110	0	0	119	0	119	С			0	119				0		119
0	85	CAST IRON TRUNK REPLC - PHASE 3 - -CHANGE IN SCOPE	CW	S3	03	-990	1,000	0	0	0	10	0	10	С	0	0	0	10	0	(	0	0	0	10
		Sub-total				2,110	2,516	510	400	400	5,936	2,000	7,936	0	0	0	0	7,936	0	(	0	(	0 0	7,936
WAT	906900	TRANSMISSION R&R																						
0	1	TRANS FACILITIES REHAB	CW	S2	03	750	750	750	750	0	3,000	0	3,000	С	0	0	0	3,000	0	(	0	0	0	3,000
0	36	ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTION	CW	S2	03	6,949	980	17	0	0	7,946	0	7,946	С	0	0	0	7,946	0	(	0	0	0	7,946
0	44	PUMPING STATION REHAB - Engineering	CW	S4	03	100	500	900	860	1,060	3,420	7,200	10,620	С	0	0	0	10,620	0	(	0	0	0	10,620
0	48	ROSEHILL RESERVOIR	CW	S2	03	12,525	16,725	8,325	17	17	37,609	0	37,609	С	0	0	0	37,609	0	(	0	0	0	37,609
0	49	DOWNSVIEW PS & CONNECTOR EA	CW	S2	05	142	0	0	0	0	142	0	142	С	0	55	0	87	0	(	0	0	0	142
0	50	PARKDALE PS REHABILITATION	CW	S2	03	2,722	197	8	0	0	2,927	0	2,927	С	0	0	0	2,927	0	(	0	0	0	2,927
0	51	ROSEHILL PS REHAB	CW	S2	03	2,722	48	50	0	0	2,820	0	2,820	С	0	0	0	2,820	0	(	0	0	0	2,820
0	67	PUMP REPLACEMENTS	CW	S2	03	1,050	0	0	0	0	1,050	0	1,050	С	0	0	0	1,050	0	(	0	0	0	1,050
0	72	RESERVOIR REHAB - PHASE 2 - ENG	CW		03	500	688	580	10	7	1,785	0	1,785	C			0	1,785			-	0		1,785
0	74	PS REHAB - PHASE 2 - ENG	CW	S2	03	1,528	1,216	950	24	24	3,742	0	3,742	С	0	0	0	3,742	0	(	0	0	0	3,742
0	91	SCARBOROUGH RESERVOIR SURGE TANK	CW	S4	03	125	400	4,600	4,200	550	9,875	125	10,000	С	0	0	0	10,000	0	(	0	0	0	10,000

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Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	iture Year	Cash Flov	v Commitm	nents			Cur	rent and Fu	ture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub		<u>ject No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat	Cat	2019	2020	2021	2022	2023	Total 2019-2023	Total	Total 2019-2028	Provincial Grants and	Federal (	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Othor?	Debt Recover	- able	Total Financing
-	906900		vvaiu	Stat.	Cat.	2019	2020	2021	2022	2020	2019-2023	2024-2020	2019-2020	Subsidies	Subsidy	Onlarges				Other	Otherz	Debt		Financing
0	94	PS REHAB - PHASE 2 - CONSTRUCTION	CW	S2	03	4,040	10,950	6,500	0	0	21,490	0	21,490	0	0	0	0	21,490	0	0	0	0	0	21,490
0	96	DOWNSVIEW PS & CONNECTOR EA-CHANGE IN SCOPE	CW	S3	05	-140	165	0	0	0	25	0	25	0	0	112	0	-87	0	0	0	0	0	25
0	97	TRANS FACILITIES REHAB-CHANGE IN SCOPE	CW	S3	03	450	100	100	100	850	1,600	1,200	2,800	0	0	0	0	2,800	0	0	0	0	0	2,800
0	98	ST CLAIR RESERVOIR REHAB/WATER QUA-CHANGE IN SCOPE	CW	S3	03	-1,649	2,049	0	7	0	407	0	407	0	0	0	0	407	0	0	0	0	0	407
0	99	PARKDALE PS REHABILITATION-CHANG IN SCOPE	E CW	S3	03	-277	443	0	0	0	166	0	166	0	0	0	0	166	0	0	0	0	0	166
0	100	ROSEHILL RESERVOIR-CHANGE IN SCOPE	CW	S3	03	-3,728	-6,210	1,210	20	0	-8,708	0	-8,708	0	0	0	0	-8,708	0	0	0	0	0	-8,708
0	103	ROSEHILL PS REHAB-CHANGE IN SCOP	E CW	S3	03	-1,258	1,149	240	0	0	131	0	131	0	0	0	0	131	0	0	0	0	0	131
0	104	RESERVOIR REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	CW	S3	03	-150	-347	-180	460	3	-214	7	-207	0	0	0	0	-207	0	0	0	0	0	-207
0	105	PS REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	CW	S3	03	-728	-180	-124	929	1	-102	0	-102	0	0	0	0	-102	0	0	0	0	0	-102
0	106	PS REHAB - PHASE 2 - CONSTRUCTION-CHANGE IN SCOPE	CW	S3	03	-3,240	-7,250	4,000	6,500	0	10	0	10	0	0	0	0	10	0	0	0	0	0	10
0	107	PUMP REPLACEMENTS-CHANGE IN SCOPE	CW	S3	03	-150	1,300	0	0	0	1,150	0	1,150	0	0	0	0	1,150	0	0	0	0	0	1,150
		Sub-total				22,283	23,673	27,926	13,877	2,512	90,271	8,532	98,803	0	0	167	0	98,636	0	0	0	0	0	98,803
WAT	906902	HARRIS W.T.P. R&R																						
0	3	FACILITY & PROCESS UPGRADES	CW	S2	03	500	500	500	500	0	2,000	0	2,000	0	0	0	0	2,000	0	0	0	0	0	2,000
0	21	HVAC REHAB CONSTRUCTION	CW	S2	03	5,492	4,241	0	0	0	9,733	0	9,733	0	0	0	0	9,733	0	0	0	0	0	9,733
0	29	HARRIS FILTERS REHABILITATION - PILOT	CW	S2	03	6,250	948	24	0	0	7,222	0	7,222	0	0	0	0	7,222	0	0	0	0	0	7,222
0	56	REHAB OF SETTLING BASIN ROOF & SLUICE GATES	CW	S2	03	510	10	13	0	0	533	0	533	0	0	0	0	533	0	0	0	0	0	533
0	79	EXTERIOR SECURITY LIGHTING UPGRADES	CW	S2	03	0	100	550	550	0	1,200	0	1,200	0	0	0	0	1,200	0	0	0	0	0	1,200
0	80	FACILITY INFRASTRUCTURE REHAB	CW	S4	03	900	1,800	0	0	0	2,700	0	2,700	0	0	0	0	2,700	0	0	0	0	0	2,700
0	81	LIQUID CHEMICAL SYSTEM IMPROVEMENTS	CW	S2	04	3,282	7	0	0	0	3,289	0	3,289	0	0	0	0	3,289	0	0	0	0	0	3,289
0	98	HERITAGE MASONRY AND ARCHITECTURAL RESTORATION	CW	S2	03	200	200	200	200	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800
0	99	CONTROL ROOM RELOCATION	CW	S2	04	1,345	204	0	0	0	1,549	0	1,549	0	0	0	0	1,549	0	0	0	0	0	1,549
0	100	EMERGENCY STANDBY POWER	CW	S2	04	2,339	347	0	0	0	2,686	0	2,686	0	0	0	0	2,686	0	0	0	0	0	2,686
0	102	PHONE SYSTEM UPGRADE	CW	S2	03	0	70	510	0	0	580	0	580	0	0	0	0	580	0	0	0	0	0	580

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

								Curre	ent and F	uture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	ow Comm	itments F	inanced	Ву		
Sub Prio		opect No. Project Nam Proj No. Sub-project		Vard	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAT	906902	HARRIS W.T.P. R&R																							
0	106	BUILDING ENVELOPE F	REHAB	CW	S2	03	136	0	0	0	0	136	0	136	c	C	0	0	136	5 0	0	0	0	0	136
0	112	TRAVELLING SCREENS	3 & 5 UPGRADE	CW	S2	03	0	300	450	0	0	750	0	750	c	C	0	0	750	) 0	0	0	0	0	750
0	119	ENERGY OPTIMIZATION	N	CW	S2	04	1,170	1,000	0	0	0	2,170	0	2,170	С	C	0	0	2,170	) 0	0	0	0	0	2,170
0	132	EMERGENCY STANDBY POWER-CHANGE IN SO		CW	S3	04	-1,725	2,732	134	0	0	1,141	0	1,141	С	C	0	0	1,141	0	0	0	0	0	1,141
0	133	CONTROL ROOM RELO	CATION-CHANGE	CW	S3	04	-726	108	725	0	0	107	0	107	С	C	0	0	107	, 0	0	0	0	0	107
0	134	BUILDING ENVELOPE FIN SCOPE	REHAB-CHANGE	CW	S3	03	-136	0	0	0	0	-136	0	-136	С	C	0	0	-136	3 0	0	0	0	0	-136
0	135	HARRIS FILTERS REHA PI-CHANGE IN SCOPE	BILITATION -	CW	S3	03	-5,200	4,822	5,751	1,050	24	6,447	0	6,447	С	C	0	0	6,447	, 0	0	0	0	0	6,447
0	136	LIQUID CHEMICAL SYS		CW	S3	04	-2,856	565	0	0	0	-2,291	0	-2,291	С	C	0	0	-2,291	0	0	0	0	0	-2,291
0	137	FACILITY & PROCESS UPGRADES-CHANGE II	N SCOPE	CW	S3	03	139	103	55	56	0	353	0	353	С	C	0	0	353	3 0	0	0	0	0	353
0	138	HVAC REHAB CONSTR IN SCOPE	UCTION-CHANGE	CW	S3	03	-4,854	-116	4,035	121	0	-814	0	-814	С	C	0	0	-814	. 0	0	0	0	0	-814
0	139	REHAB OF SETTLING E SLU-CHANGE IN SCOP		CW	S3	03	-339	150	0	0	0	-189	0	-189	c	C	0	0	-189	0	0	0	0	0	-189
0	140	EXTERIOR SECURITY L UPGRADE-CHANGE IN		CW	S3	03	0	-100	-550	-450	550	-550	550	0	c	C	0	0	0	) 0	0	0	0	0	0
0	141	TRAVELLING SCREENS UPGRADE-CHANGE IN		CW	S3	03	0	-300	-450	300	450	0	0	0	c	C	0	0	0	) 0	0	0	0	0	0
0	142	PHONE SYSTEM UPGR SCOPE	ADE-CHANGE IN	CW	S3	03	0	-70	-440	510	0	0	0	0	С	C	0	0	0	) 0	0	0	0	0	0
0	143	ENERGY OPTIMIZATION SCOPE	N-CHANGE IN	CW	S3	04	-890	890	5	0	0	5	0	5	С	C	0	0	5	5 0	0	0	0	0	5
		Sub-total					5,537	18,511	11,512	2,837	1,024	39,421	550	39,971	0	C	0	0	39,971	0	0	0	0	0	39,971
WAT	906903	FJ HORGAN W.T.P. R&F	<u> </u>			İ																		İ	
0	5	FACILITY & PROCESS U	JPGRADES	CW	S2	03	1,174	550	200	200	0	2,124	0	2,124	С	C	0	0	2,124	. 0	0	0	0	0	2,124
0	8	RAW WATER PUMP UG	RADES	CW	S2	03	321	0	0	0	0	321	0	321	С	C	0	0	321	0	0	0	0	0	321
0	15	REPLACEMENT OF MC	cs	CW	S2	03	533	297	50	3	0	883	0	883	С	C	0	0	883	3 0	0	0	0	0	883
0	31	BUILDING FIRE, HVAC, UPGRADES	LIGHTING	CW	S2	04	1,455	1,635	1,010	0	0	4,100	0	4,100	c	C	0	0	4,100	0	0	0	0	0	4,100
0	32	ELEC GROUNDING SYS		CW	S2	04	679	690	0	0	0	1,369	0	1,369	c	C	0	0	1,369	0	0	0	0	0	1,369
0	34	TREATED WATER PUM	PUPGRADES	CW	S2	04	203	0	0	0	0	203	0	203	c	C	0	0	203	3 0	0	0	0	0	203
0	65	TREATED WATER PUM UPGRADES-CHANGE II		CW	S3	04	-86	0	0	0	0	-86	0	-86	C	C	0	0	-86	6 0	0	0	0	0	-86

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					Curr	ent and Fu	uture Year	Cash Flor	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	tments F	inanced	Ву		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name	e W	ard S	stat. C	at. 2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - overable	Total Financing
WAT906903 FJ HORGAN W.T.P. R&R																						
0 66 FACILITY & PROCESS UPGRADES-CHANGE IN SCO		CW	S3 0	3 -1,011	-207	230	531	150	-307	0	-307	С	0	0	0	-307	0	0	0	0	0	-307
0 67 ELEC GROUNDING SYSTEM CHEM-CHANGE IN SCOPE	& BULK	CW	S3 0	4 -504	-290	1,910	540	10	1,666	11	1,677	С	0	0	0	1,677	0	0	0	0	0	1,677
0 68 BUILDING FIRE, HVAC, LIGHT UPGR-CHANGE IN SCOPE	ING	CW	S3 0	4 -1,305	-1,285	-560	0	750	-2,400	1,000	-1,400	C	0	0	0	-1,400	0	0	0	0	0	-1,400
0 69 REPLACEMENT OF MCCS-CF SCOPE	HANGE IN	CW	S3 0	3 -233	321	-19	-3	0	66	0	66	c	0	0	0	66	0	0	0	0	0	66
0 70 RAW WATER PUMP UGRADE IN SCOPE	S-CHANGE	CW	S3 0	3 -200	640	145	15	0	600	0	600	C	0	0	0	600	0	0	0	0	0	600
Sub-total				1,026	2,351	2,966	1,286	910	8,539	1,011	9,550	0	0	0	0	9,550	0	0	0	0	0	9,550
WAT906906 TRUNK WATERMAIN EXPANS	SION																					
0 25 JOS WM SCAR PS TO ST CLA MIDLAND - ENG	AIR AND	CW	S2 0	5 801	610	436	0	0	1,847	0	1,847	C	0	877	0	550	0	0	420	0	0	1,847
0 66 JOS - WM Scar PS to St. Claird (CONST)	&Midland	CW	S2 0	5 21,393	19,000	2,000	0	0	42,393	0	42,393	c	0	20,124	0	12,637	0	0	9,632	0	0	42,393
0 72 JOS WM SCAR PS TO ST CLA MID-CHANGE IN SCOPE	AIR AND	CW	S3 0	5 -276	-85	-103	9	0	-455	0	-455	C	0	-317	0	-34	0	0	-104	0	0	-455
0 73 JOS - WM Scar PS to St. Clair&Midl-CHANGE IN SCOPE		CW	S3 0	5 -13,393	-5,000	11,982	0	0	-6,411	0	-6,411	C	0	-5,664	0	709	0	0	-1,456	0	0	-6,411
Sub-total				8,525	14,525	14,315	9	0	37,374	0	37,374	0	0	15,020	0	13,862	0	0	8,492	0	0	37,374
WAT906914 SWITCH GEAR TRANSFORM	<u>ER</u>																					
0 13 INDOOR/OUTDOOR SWITCH (PHASE 3)	GEAR	CW	S2 0	3 1,169	0	0	0	0	1,169	0	1,169	C	0	0	0	1,169	0	0	0	0	0	1,169
0 29 INDOOR/OUTDOOR SWITCH (PHASE 4)	GEAR	CW	S2 0	3 1,104	6,250	5,250	5,250	5,250	23,104	2,675	25,779	С	0	0	0	25,779	0	0	0	0	0	25,779
0 32 INDOOR/OUTDOOR SWITCH (PHASE 3-CHANGE IN SCOPE	GEAR E	CW	S3 0	3 -1,109	1,113	0	0	0	4	0	4	С	0	0	0	4	0	0	0	0	0	4
0 33 INDOOR/OUTDOOR SWITCH (PHASE 4-CHANGE IN SCOPE		CW	S3 0	3 -704	-360	100	100	100	-764	-15	-779	C				-779	0			0	0	-779
Sub-total				460	7,003	5,350	5,350	5,350	23,513	2,660	26,173	0	0	0	0	26,173	0	0	0	0	0	26,173
WAT906918 WATER SUSTAINABILITY PRO	OGRAM																					
0 1 WATER SUSTAINABILITY PRO	OGRAM	CW	S2 0	4 7,836	3,382	0	0	0	11,218	0	11,218	C	0	740	0	7,102	0	0	3,376	0	0	11,218
0 12 STANDBY POWER - ROSEHIL	L	CW	S2 0	4 6,036	43	33	14	0	6,126	0	6,126	С	0	416	0	3,872	0	0	1,838	0	0	6,126
0 23 WATER SUSTAINABILITY PROGRAM-CHANGE IN SCOP		CW	S3 0	-6,486	2,195	5,457	3,997	10	5,173	0	5,173	C	0	955	0	2,660	0	0	1,558	0	0	5,173
0 24 STANDBY POWER - ROSEHIL IN SCOPE	L-CHANGE	CW	S3 0		3,175		0	0	273	0	273	C				-54	0			0	0	273
Sub-total				4,503	8,795	5,471	4,011	10	22,790	0	22,790	0	0	2,357	0	13,580	0	0	6,853	0	0	22,790
WAT906919 RL CLARK W.T.P. R&R																						

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Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	uture Year	Cash Flow	v Commi	tments F	inanced	Ву		
Sub- Prior		No. Sub-project Name	Ward S	Stat. Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds (	Capital from Current	Other 1	Other2	Debt Recove Debt	rable	Total Financing
WAT9	06919 RL (	LARK W.T.P. R&R																					
0	1 FAC	ILITY & PROCESS UPGRADES	CW	S2 03	200	200	200	200	0	800	0	800	С	0	0	0	800	0	0	0	0	0	800
0		CESS EQUIPMENT UPGRADE INEERING	CW	S2 03	69	1,780	60	35	0	1,944	0	1,944	c	0	118	0	1,826	0	0	0	0	0	1,944
0		CESS EQUIPMENT UPGRADE ISTRUCTION	CW	S2 03	7,721	2,500	0	0	0	10,221	0	10,221	С	0	621	0	9,600	0	0	0	0	0	10,221
0		CUATION AND COMMUNICATION TEMS	CW	S2 03	112	0	0	0	0	112	0	112	С	0	0	0	112	0	0	0	0	0	112
0		CESS EQUIPMENT UPGRADE ISTRUC-CHANGE IN SCOPE	CW	S3 03	-693	1,000	0	0	0	307	0	307	c	0	937	0	-630	0	0	0	0	0	307
0		CESS EQUIPMENT UPGRADE INEER-CHANGE IN SCOPE	CW	S3 03	602	-592	0	0	0	10	0	10	C	0	171	0	-161	0	0	0	0	0	10
0		ILITY & PROCESS RADES-CHANGE IN SCOPE	CW	S3 03	51	53	55	56	0	215	0	215	С	0	0	0	215	0	0	0	0	0	215
0		CUATION AND COMMUNICATION TE-CHANGE IN SCOPE	CW	S3 03	-112	0	0	0	0	-112	0	-112	С	0	0	0	-112	0	0	0	0	0	-112
		Sub-total			7,950	4,941	315	291	0	13,497	0	13,497	0	0	1,847	0	11,650	0	0	0	0	0	13,497
WAT9	06930 DIS	W/M REPLACEMENT																					
0	21 201	WM REPLC	CW	S2 03	3	0	0	0	0	3	0	3	С	0	0	0	3	0	0	0	0	0	3
0	29 DIS	W/M REPLC - 2012	CW	S2 03	147	0	0	0	0	147	0	147	c	0	0	0	147	0	0	0	0	0	147
0	51 DIS	W/M REPLACEMENT - 2014	CW	S2 03	365	0	0	0	0	365	0	365	С	0	57	0	308	0	0	0	0	0	365
0		ERMAIN REPLACEMENT - ROLINX	CW	S2 03	1,090	1,796	2,456	0	0	5,342	0	5,342	c	0	0	0	5,342	0	0	0	0	0	5,342
0	59 201	WM REPLC - UPGRADES	CW	S2 05	101	0	0	0	0	101	0	101	С	0	31	0	70	0	0	0	0	0	101
0	63 DIS	W/M REPLACEMENT - 2015	CW	S2 03	2,317	0	0	0	0	2,317	0	2,317	С	0	344	0	1,973	0	0	0	0	0	2,317
0	64 WA	ERMAIN UPGRADES - 2015	CW	S2 05	390	0	0	0	0	390	0	390	С	0	124	0	266	0	0	0	0	0	390
0	73 DIS	W/M REPLACEMENT - 2016	CW	S2 03	8,933	0	0	0	0	8,933	0	8,933	C	0	1,371	0	7,562	0	0	0	0	0	8,933
0	74 WA	ERMAIN UPGRADES - 2016	CW	S2 05	2,706	0	0	0	0	2,706	0	2,706	С	0	857	0	1,849	0	0	0	0	0	2,706
		W/M REPLACEMENT - 2017	CW		8,289	15	0	0	0	8,304	0	8,304	C	0	1,230	0	7,074	0	0	0	0	0	8,304
0	84 WA	ERMAIN UPGRADES - 2017	CW	S2 05	1,188	0	0	0	0	1,188	0	1,188	C	0	376	0	812	0	0	0	0	0	1,188
0	85 DIS	W/M REPLACEMENT - 2018		S2 03	52,339	11,690	928	0	0	64,957	0	64,957	С	0	9,264	0	55,693	0	0	0	0	0	64,957
0		ERMAIN UPGRADES - 2018	CW	S2 05	14,303	2,921	0	0	0	17,224	0	17,224	С	0	5,789	0	11,435	0	0	0	0	0	17,224
0	110 DIS	W/M REPLACEMENT - 2019	CW	S2 03	55,201	18,616	8,466	253	0	82,536	0	82,536	С	0	12,834	0	69,702	0	0	0	0	0	82,536

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							Curre	nt and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Fu	ıture Year	Cash Flo	w Comm	itments I	inanced	Ву		
Sub Prio		<u>ject No.</u> <u>Project Name</u> pProj No. Sub-project Name V	Vard	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges	Reserves	Reserve Funds	_	Other 1	Other2	Deb Recove Debt	rable	Total Financing
WAT	906930	DIST W/M REPLACEMENT																						
0	111	WATERMAIN UPGRADES - 2019	CW	S2	05	24,014	8,368	3,688	72	0	36,142	0	36,142	0	0	11,243	0	24,899	0	C	0	0	0	36,142
0	112	DIST W/M REPLACEMENT - 2014-CHANGE IN SCOPE	CW	S3	03	-350	324	0	0	0	-26	0	-26	0	0	-31	0	5	0	C	0	0	0	-26
0	113	DIST W/M REPLACEMENT - 2015-CHANGE IN SCOPE	CW	S3	03	-2,100	2,153	0	0	0	53	0	53	0	0	-162	0	215	0	C	0	0	0	53
0	114	DIST W/M REPLACEMENT - 2017-CHANGE IN SCOPE	CW	S3	03	-7,519	7,312	0	0	0	-207	0	-207	0	0	-608	0	401	0	C	0	0	0	-207
0	115	DIST W/M REPLACEMENT - 2018-CHANGE IN SCOPE	CW	S3	03	-22,804	11,182	7,179	105	0	-4,338	0	-4,338	0	0	-4,605	0	267	0	C	0	0	0	-4,338
0	116	DIST W/M REPLACEMENT - 2019-CHANGE IN SCOPE	CW	S3	03	-20,817	71,667	97,160	29,461	6,130	183,601	0	183,601	0	0	-7,030	0	190,631	0	C	0	0	0	183,601
0	117	WATERMAIN UPGRADES - 2015-CHANGE IN SCOPE	CW	S3	05	-320	321	0	0	0	1	0	1	0	0	72	0	-71	0	C	0	0	0	1
0	118	WATERMAIN UPGRADES - 2016-CHANGE IN SCOPE	CW	S3	05	-2,601	616	0	0	0	-1,985	0	-1,985	0	0	-496	0	-1,489	0	C	0	0	0	-1,985
0	119	WATERMAIN UPGRADES - 2017-CHANGE IN SCOPE	CW	S3	05	-1,156	289	0	0	0	-867	0	-867	0	0	-215	0	-652	0	C	0	0	0	-867
0	120	DIST W/M REPLACEMENT - 2016-CHANGE IN SCOPE	CW	S3	03	-8,536	3,991	0	0	0	-4,545	0	-4,545	0	0	-1,033	0	-3,512	0	C	0	0	0	-4,545
0	121	WATERMAIN UPGRADES - 2018-CHANGE IN SCOPE	CW	S3	05	-5,262	4,368	0	0	0	-894	0	-894	0	0	2,377	0	-3,271	0	C	0	0	0	-894
0	122	WATERMAIN UPGRADES - 2019-CHANGE IN SCOPE	CW	S3	05	-7,793	10,832	18,831	4,773	2,434	29,077	0	29,077	0	0	6,264	0	22,813	0	C	0	0	0	29,077
0	123	2013 WM REPLC - UPGRADES-CHANGE IN SCOPE	CW	S3	05	-101	0	0	0	0	-101	0	-101	0	0	-31	0	-70	0	C	0	0	0	-101
0	124	DIST W/M REPLC - 2012-CHANGE IN SCOPE	CW	S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	C	0	0	0	-10
0	127	WATERMAIN REPLACEMENT - METROLINX-CHANGE IN SCOPE	CW	S3	03	-400	114	460	20	0	194	0	194	0	0	0	0	194	0	C	0	0	0	194
0	130	2011 WM REPLC-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	C	0	0	0	1
14/4-		Sub-total				91,618	156,575	139,168	34,684	8,564	430,609	0	430,609	0	0	38,022	0	392,587	0	0	0	0	0	430,609
WAI	906932	DIST W/M REHABILITATION																						
0	4	HYDRANT & VALVE REPAIR	CW	S2	03	1,568	0	0	0	0	1,568	0	1,568	0	0	0	0	1,568	0	C	0	0	0	1,568
0	6	WATERMAIN STRUCTURAL LINING	CW	S2	03	68,624	18,594	239	175	0	87,632	0	87,632	0	0	0	0	87,632	0	C	0	0	0	87,632
0	7	CATHODIC PROTECTION	CW	S2	03	7,162	500	0	0	0	7,662	0	7,662	0	0	0	0	7,662	0	C	0	0	0	7,662
0	30	CUT REPAIR		S2		3,549	0	0	0	0	3,549	0	3,549	0			0	3,549		C		0	0	3,549
0	59	PRV INSPECTION & RENEWAL		S2		1,600	565	0	0	0	2,165	0	2,165	0								0	0	2,165
0	60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX	CW	S2	03	75	75	75	0	0	225	0	225	0	0	0	0	225	0	C	0	0	0	225

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						Curr	ent and F	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sub</u> Prio		<u>oject No. Project Name</u> bProj No. Sub-project Name	Ward St	tat Cat	2019	2020	2021	2022	2023	Total	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Deb Recove Debt		Total Financing
		2 DIST W/M REHABILITATION	vvara ot	at. Oat.	20.0					2010 2020		2010 2020	Subsidies	Cascia					0	0111012	2021		- manoing
	61	WATERMAIN STRUCTURAL LINING-CHANGE IN SCOPE	CW S	33 03	-20,106	37,385	25,560	0	0	42,839	0	42,839	0		0	0	42,839	0	0	0	0	0	42,839
0	62	PRV INSPECTION & RENEWAL-CHANGE IN SCOPE	CW S	33 03	-1,110	1,140	0	0	0	30	0	30	0	(	0	0	30	0	0	0	0	0	30
0	63	HYDRANT & VALVE REPAIR-CHANGE IN SCOPE	CW S	33 03	-368	930	0	0	0	562	0	562	0	(	0	0	562	0	0	0	0	0	562
0	64	CUT REPAIR-CHANGE IN SCOPE	CW S	33 03	-1,455	2,584	2,584	445	0	4,158	0	4,158	0		0	0	4,158	0	0	0	0	0	4,158
0	65	CATHODIC PROTECTION-CHANGE IN SCOPE	CW S	3 03	-3,520	4,756	300	300	0	1,836	0	1,836	0	(	0	0	1,836	0	0	0	0	0	1,836
		Sub-total			56,019	66,529	28,758	920	0	152,226	0	152,226	0	C	) 0	0	152,226	0	0	0	0	0	152,226
WAT	906934	DIST WATER SERVICE REPAIR																					
0	12	WATER SERVICE REPAIR - LEAD PROGRAM	CW S	32 02	12,606	4,901	1	0	0	17,508	0	17,508	0		0	0	17,508	0	0	0	0	0	17,508
0	32	WSR CUT REPAIR	CW S	32 03	1,613	0	0	0	0	1,613	0	1,613	0	(	0	0	1,613	0	0	0	0	0	1,613
0	39	2012 WATER SERVICE REPLC - SOGR	CW S	32 02	60	0	0	0	0	60	0	60	0	(	0	0	60	0	0	0	0	0	60
0	41	2013 WATER SERVICE REPAIR	CW S	32 02	140	0	0	0	0	140	0	140	0	(	0	0	140	0	0	0	0	0	140
0	52	2014 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	148	0	0	0	0	148	0	148	0	(	0	0	148	0	0	0	0	0	148
0	59	2015 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	865	0	0	0	0	865	0	865	0	(	0	0	865	0	0	0	0	0	865
0	68	2016 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	3,992	0	0	0	0	3,992	0	3,992	0	(	0	0	3,992	0	0	0	0	0	3,992
0	71	WATER SERVICE REPAIR - WM REHAB PROGRAM	CW S	32 02	19,035	4,000	2,000	0	0	25,035	0	25,035	0	(	0	0	25,035	0	0	0	0	0	25,035
0	74	REPLACEMENT OF FROZEN SERVICES	CW S	32 02	240	0	0	0	0	240	0	240	0	(	0	0	240	0	0	0	0	0	240
0	75	WSR CUT REPAIRS WITH WM SL	CW S	32 02	1,613	0	0	0	0	1,613	0	1,613	0	(	0	0	1,613	0	0	0	0	0	1,613
0	78	2011 WATER SERVICE REPAIR	CW S	32 02	12	0	0	0	0	12	0	12	0	(	0	0	12	0	0	0	0	0	12
0	84	2017 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	6,374	0	0	0	0	6,374	0	6,374	0	(	0	0	6,374	0	0	0	0	0	6,374
0	85	2018 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	10,000	3,000	0	0	0	13,000	0	13,000	0	(	0	0	13,000	0	0	0	0	0	13,000
0	108	2019 WATER SERVICE REPLACEMENT - SOGR	CW S	32 02	10,000	7,000	3,000	0	0	20,000	0	20,000	0	(	0	0	20,000	0	0	0	0	0	20,000
0	109	2015 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW S	33 02	-733	1,019	0	0	0	286	0	286	0	(	0	0	286	0	0	0	0	0	286
0	110	2016 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW S	33 02	-3,424	3,436	0	0	0	12	0	12	0	(	0	0	12	0	0	0	0	0	12
0	111	2017 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW S	33 02	-5,472	2,917	0	0	0	-2,555	0	-2,555	0	(	0	0	-2,555	0	0	0	0	0	-2,555

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						Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rent and Fu	ture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Recov	ebt - verable	Total Financing
WAT90693	MATER SERVICE REPAIR																						
0 112	2018 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW	S3	02	-5,449	3,271	4,252	0	0	2,074	0	2,074	0	C	0	0	2,074	0	0	0	0	0	2,074
0 113	2019 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW	S3	02	-5,000	12,000	20,000	8,000	3,000	38,000	0	38,000	0	C	0	0	38,000	0	0	0	0	0	38,000
0 114	WATER SERVICE REPAIR - LEAD PROGRA-CHANGE IN SCOPE	CW	S3	02	-4,410	6,396	5,749	4,050	0	11,785	0	11,785	O	C	0	0	11,785	0	0	0	0	0	11,785
0 115	2012 WATER SERVICE REPLC - SOGR-CHANGE IN SCOPE	CW	S3	02	-60	0	0	0	0	-60	0	-60	0	C	0	0	-60	0	0	0	0	0	-60
0 116	WSR CUT REPAIR-CHANGE IN SCOPE	CW	S3	03	3,502	7,854	7,854	675	0	19,885	0	19,885	0	C	0	0	19,885	0	0	0	0	0	19,885
0 117	2013 WSR-CHANGE IN SCOPE	CW	S3	02	-133	0	0	0	0	-133	0	-133	O	C	0	0	-133	0	0	0	0	0	-133
0 118	WATER SERVICE REPAIR - WM REHAB PR-CHANGE IN SCOPE	CW	S3	02	-13,150	7,517	3,500	6,000	0	3,867	0	3,867	0	C	0	0	3,867	0	0	0	0	0	3,867
0 119	2014 WATER SERVICE REPLACEMENT - S-CHANGE IN SCOPE	CW	S3	02	-118	114	0	0	0	-4	0	-4	0	C	0	0	-4	0	0	0	0	0	-4
0 121	WSR CUT REPAIRS WITH WM SL-CHANGE IN SCOPE	CW	S3	02	-893	675	675	675	0	1,132	0	1,132	0	C	0	0	1,132	0	0	0	0	0	1,132
0 122	REPLACEMENT OF FROZEN SERVICES-CHANGE IN SCOPE	CW	S3	02	-240	0	0	0	0	-240	0	-240	0	C	0	0	-240	0	0	0	0	0	-240
0 123	2011 WSR-CHANGE IN SCOPE	CW	S3	02	3	0	0	0	0	3	0	3	0			0	3	0	0		0	0	3
	Sub-total				31,121	64,100	47,031	19,400	3,000	164,652	0	164,652	0	C	0	0	164,652	0	0	0	0	0	164,652
WAT90693	NEW SERVICE CONNECTIONS																						
0 2	NEW SERVICE CONNECTIONS - CUT REPAIRS	CW	S2	05	5,377	0	0	0	0	5,377	0	5,377	0	C	0	0	5,377	0	0	0	0	0	5,377
0 7	NEW SERVICE CONNECTIONS - SITE SERVICING	CW	S2	05	6,946	0	0	0	0	6,946	0	6,946	o	C	0	0	6,946	0	0	0	0	0	6,946
0 26	NEW SERVICE CONNECTIONS - SITE SER-CHANGE IN SCOPE	CW	S3	05	24,213	32,123	34,000	0	0	90,336	0	90,336	0	C	0	0	90,336	0	0	0	0	0	90,336
0 27	NEW SERVICE CONNECTIONS - CUT REPA-CHANGE IN SCOPE	CW	S3	05	5,300	18,758	18,758	4,634	0	47,450	0	47,450	0	C	0	0	47,450	0	0	0	0	0	47,450
	Sub-total				41,836	50,881	52,758	4,634	0	150,109	0	150,109	0	C	0	0	150,109	0	0	0	0	0	150,109
WAT90695	1 ENGINEERING																						
0 2	CONSULTING FEES	CW	S2	03	21,842	8,367	4,378	2,500	1,170	38,257	2,102	40,359	0	C	0	0	40,359	0	0	0	0	0	40,359
0 63	ROAD RESTORATION	CW	S2	03	2,621	2,151	0	0	0	4,772	0	4,772	0	C	0	0	4,772	0	0	0	0	0	4,772
0 78	ECS SALARIES-CHANGE IN SCOPE	CW	S3	03	14,491	0	0	0	0	14,491	0	14,491	0	C	0	0	14,491	0	0	0	0	0	14,491
0 79	TW SALARIES-CHANGE IN SCOPE	CW	S3	03	2,148	0	0	0	0	2,148	0	2,148	0	C	0	0	2,148	0	0	0	0	0	2,148
0 80	LEGAL SERVICES SALARIES-CHANGE IN SCOPE	1 CW	S3	03	225	0	0	0	0	225	0	225	0	C	0	0	225	0	0	0	0	0	225
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···	i rogium																						
						Curr	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cui	rent and Fu	ture Year	Cash Flo	w Comm	nitments	Financed	Ву		
	Project No. Project Name SubProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	F Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Red	Debt - coverable	Total Financing
WAT9069	51 ENGINEERING																						
0 81	ROAD RESTORATION-CHANGE IN SCOPE	CW	S3	03	-1,473	-1,486	365	365	0	-2,229	0	-2,229	0	0	0	0	-2,229	(	0 (	0	0	0	-2,229
0 82	CONSULTING FEES-CHANGE IN SCOPE	CW	S3	03	-8,002	14,298	20,073	15,999	7,079	49,447	-438	49,009	0	0	0	0	49,009	(	0 (	0	0	0	49,009
0 83	PPFA SALARIES-CHANGE IN SCOPE	CW	S3	03	2,935	0	0	0	0	2,935	0	2,935	0	0	0	0	2,935	(	0 (	0	0	0	2,935
0 84	PMMD SALARIES-CHANGE IN SCOPE	CW	S3	03	311	0	0	0	0	311	0	311	0			0	311	(					311
	Sub-total				35,098	23,330	24,816	18,864	8,249	110,357	1,664	112,021	0	0	0	0	112,021	(	0 (	0	(	. 0	112,021
WAT9069	ISLAND W.T.P. R&R																						
0 1	FACILITY & PROCESS UPGRADES	CW	S2	03	375	375	375	375	0	1,500	0	1,500	0	0	0	0	1,500	(	0 (	0	0	0	1,500
0 12	FACILITY UPGRADE - FORMER MARINE YARD	CW	S2	03	2,164	0	0	0	0	2,164	0	2,164	0	0	0	0	2,164	(	0 (	0	0	0	2,164
0 32	TRAVELLING SCREEN REPLACEMENT	CW	S2	03	440	3,191	0	0	0	3,631	0	3,631	0	0	0	0	3,631	(	) (	0	0	0	3,631
0 50	AMMONIA AND FLUORIDE SYSTEM UPGRADES	CW		03	7,948	4,006	7	0	0	11,961	0	11,961	0			0	11,961	(			0		11,961
0 51	CHEMICAL SYSTEMS' ELECTRICAL FEED DISTRIBUTION			03	1	0	0	0	0	1	0	1	0			0	1	(			0		1
0 54	FILTER MEDIA REPLC - FUTURE		S4	03	300	0	0	0	0	300	450	750	0		-	0	750	(		0 0	0		750
0 69	Generators` DR3 Program	CVV	S2	04	"	80	695	650	U	1,425	U	1,425	١	0	U	U	1,425	(	J (	, ,	0	U	1,425
0 70	PLANTWIDE HVAC UPGRADES	CW	S2	04	2,220	753	0	0	0	2,973	0	2,973	0	0	0	0	2,973	(	) (	0	0	0	2,973
0 83	RAW WATER INTAKE CLEANING	CW	S2	03	1,225	0	0	0	0	1,225	0	1,225	0	0	0	0	1,225	(	) (	0	0	0	1,225
0 110	AMMONIA AND FLUORIDE SYSTEM UPGRAD-CHANGE IN SCOPE	CW	S3	03	-7,122	2,444	6,049	7	0	1,378	0	1,378	0	0	0	0	1,378	(	0 (	0	0	0	1,378
0 111	TRAVELLING SCREEN REPLACEMENT-CHANGE IN SCOPE	CW	S3	03	-10	-2,151	1,100	6,300	1,100	6,339	0	6,339	0	0	0	0	6,339	(	) (	0	0	0	6,339
0 112	2 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	CW	S3	03	195	273	190	56	0	714	0	714	0	0	0	0	714	(	) (	0	0	0	714
0 113	RAW WATER INTAKE CLEANING-CHANGE IN SCOPE	CW	S3	03	0	259	0	0	0	259	0	259	0	0	0	0	259	(	) (	0	0	0	259
0 117	7 ISLAND PHOTOVOLTAIC SYSTEM	CW	S4	05	100	700	2,300	3,300	0	6,400	0	6,400	0	0	0	0	6,400	(	0 (	0	0	0	6,400
0 118	REHABILITATION	CW	S4	03	500	8,000	0	0	0	8,500	0	8,500	0	0	0	0	8,500	(	) (	0	0	0	8,500
0 119	Y-CHANGE IN SCOPE	CW		03	-827	815	0	0	0	-12	0	-12	0	0	0	0	-12	(	) (	0	0	0	-12
0 120	O Generators` DR3 Program-CHANGE IN SCOPE	CW	S3	04	0	-80	-695	-570	695	-650	650	0	0	0	0	0	0	(	0 (	0	0	0	0

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				Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flow	Commit	ments F	inanced	Ву				
	<u>oject No.    Project Name</u> bProj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves		Capital from Current (	Other 1	Other2	Re	Debt - coverable	Total Financing
WAT906977	ISLAND W.T.P. R&R																						
0 121	PLANTWIDE HVAC UPGRADES-CHANGE IN SCOPE	CW	S3	04	-1,644	2,047	2,807	137	0	3,347	0	3,347	(	0 0	0	0	3,347	0	0	0	(	) (	3,347
	Sub-total				5,865	20,712	12,828	10,255	1,795	51,455	1,100	52,555	C	0	0	0	52,555	0	0	0		0 (	52,555
WAT907353	B LAWRENCE ALLAN REVITALIZATION PLA	N																					
0 1	LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	CW	S2	05	11,668	5,775	473	210	0	18,126	0	18,126	(	0	18,126	0	0	0	0	0	(	0 0	18,126
0 2	LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	CW	S2	05	250	3,592	3,842	0	0	7,684	0	7,684	(	0 0	7,684	0	0	0	0	0	(	0 0	7,684
0 13	LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SCOPE	CW	S3	05	-8,368	-3,275	3,227	0	0	-8,416	0	-8,416	(	0 0	-8,416	0	0	0	0	0	(	0 0	-8,416
0 14	LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SCOPE	CW	S3	05	-250	0	0	806	0	556	0	556	(	0	556	0	0	0	0	0	(	) (	556
	Sub-total				3,300	6,092	7,542	1,016	0	17,950	0	17,950	C	0	17,950	0	0	0	0	0		0 (	17,950
WAT907558	REGENT PARK CAPITAL CONTRIBUTION																						
0 14	REGENT PARK CAPITAL CONTRIBUTION PHASE 3 - 5	- 13	S2	05	1,133	1,416	830	51	71	3,501	40	3,541	(	0	3,541	0	0	0	0	0	(	) (	3,541
0 16	REGENT PARK CAPITAL CONTRIBUTIONCHANGE IN SCOPE	13	S3	05	-591	0	591	0	0	0	0	0	(	0	0	0	0	0	0	0	(	0 0	0
	Sub-total				542	1,416	1,421	51	71	3,501	40	3,541	C	0	3,541	0	0	0	0	0		0 (	3,541
WAT907946	BUSINESS IT PROJECTS																						
0 7	ENTERPRISE WORK MANAGEMENT SYSTEM PROJECT	CW	S2	04	1,554	1,325	1,000	400	350	4,629	0	4,629	(	0	0	0	4,629	0	0	0	(	) (	4,629
0 18	ENTERPRISE WORK MANAGEMENT SYSTEM -CHANGE IN SCOPE	CW	S3	04	-654	-400	250	400	500	96	0	96	(	0	0	0	96	0	0	0	(	0 0	96
	Sub-total				900	925	1,250	800	850	4,725	0	4,725	C	0	0	0	4,725	0	0	0		0 (	4,725
WAT908087	7 TRUNK WATERMAIN																						
0 1	TRANSMISSION SYSTEM AUTOMATION	CW	S2	04	5,801	4,575	41	92	0	10,509	0	10,509	(	0	0	0	10,509	0	0	0	(	) (	10,509
0 4	JOS - REVENUE METER REPLACEMENT	CW	S2	03	4,369	1,000	0	0	0	5,369	0	5,369	(	0 0	0	0	2,684	0	0	2,685	(	0 0	5,369
0 6	3RD PARTY RELOCATIONS (METROLINX	) CW	S2	04	50	50	50	0	0	150	0	150	(	0 0	0	0	150	0	0	0	(	0 0	150
0 16	TRANSMISSION SYSTEM AUTOMATION-CHANGE IN SCOPE	CW	S3	04	-5,381	-1,057	3,236	3,241	41	80	92	172	(	0	0	0	172	0	0	0	(	0 0	172
0 17	JOS - REVENUE METER REPLACEMENT-CHANGE IN SCOPE	CW	S3	03	-929	1,175	0	0	0	246	0	246	(	0 0	0	0	123	0	0	123	(	0 0	246
	Sub-total				3,910	5,743	3,327	3,333	41	16,354	92	16,446	O	) 0	0	0	13,638	0	0	2,808		0 (	16,446
WAT908248	3 WT&S PLANTWIDE																						
0 1	UV DISINFECTION - CONCEPTUAL DESIGN	CW	S2	04	248	0	0	0	0	248	0	248	(	0	0	0	248	0	0	0	(	) (	248

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		Curr	ent and Fu	iture Year	Cash Flov	w Commitn	nents			Cu	rrent and I	uture Yea	Cash Flo	w Comm	itments F	inanced	Ву		
<u>Sub-</u> <u>Project No.</u> <u>Project Name</u> PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	<sup>t</sup> Reserves	Reserve Funds		Other 1	Other2	Debt Recove Debt	rable	Total Financing
WAT908248 WT&S PLANTWIDE																			
0 4 ZEBRA MUSSEL CONTROL - ENG CW S2 04	738	450	450	175	32	1,845	32	1,877	C	) (	) (	0	1,877	0	0	0	0	0	1,877
0 5 ZEBRA MUSSEL CONTROL - CW S4 04 CONSTRUCTION	250	4,250	4,500	10,000	1,000	20,000	0	20,000	C	) (	) (	0	20,000	0	0	0	0	0	20,000
0 6 STANDBY POWER - PHASE 2 - ENG CW S2 04	1,768	2,750	3,170	1,686	760	10,134	700	10,834	C	) (	655	5 0	6,929	0	0	3,250	0	0	10,834
0 10 UV DISINFECTION - ISLAND WTP - CW S2 04 ENGINEERING	1,251	500	1,000	550	150	3,451	50	3,501	C	) (	) (	0	3,501	0	0	0	0	0	3,501
0 12 SCRUBBER AND TONNER CONNECTION CW S2 04 IMPROVEMENTS AT WTP	1,956	1,168	500	470	5	4,099	0	4,099	C	) (	256	0	2,613	0	0	1,230	0	0	4,099
0 18 SOURCE WATER PROTECTION-LAKE CW S2 04 ONTARIO COLLABORATIVE	375	305	0	0	0	680	0	680	C	) (	) (	0	680	0	0	0	0	0	680
0 21 SCRUBBER AND TONNER CONNECTION CW S3 04 IMP-CHANGE IN SCOPE	-1,415	1,159	1,115	1,145	1,482	3,486	58	3,544	C	) (	535	5 0	1,945	0	0	1,064	0	0	3,544
0 22 UV DISINFECTION - CONCEPTUAL CW S3 04 DESIG-CHANGE IN SCOPE	-248	0	0	0	0	-248	0	-248	C	) (	) (	0	-248	0	0	0	0	0	-248
0 23 SOURCE WATER PROTECTION-LAKE CW S3 04 ONTAR-CHANGE IN SCOPE	-375	125	650	650	0	1,050	0	1,050	C	) (	) (	0	1,050	0	0	0	0	0	1,050
0 24 UV DISINFECTION - ISLAND WTP - CW S3 04 ENG-CHANGE IN SCOPE	-606	96	-955	450	454	-561	95	-466	С	) (	) (	0	-466	0	0	0	0	0	-466
0 25 STANDBY POWER - PHASE 2 - CW S3 04 ENG-CHANGE IN SCOPE	-608	-318	188	484	226	-28	60	32	С	) (	) 471	0	-449	0	0	10	0	0	32
0 26 ZEBRA MUSSEL CONTROL - CW S3 04 ENG-CHANGE IN SCOPE	-388	143	-90	247	95	7	-21	-14	c	) (	) (	0	-14	0	0	0	0	0	-14
Sub-total	2,946	10,628	10,528	15,857	4,204	44,163	974	45,137	0	C	1,917	0	37,666	0	0	5,554	0	0	45,137
Total Program Expenditure	350,393	511,981	433,288	170,055	56,121	1,521,838	33,340	1,555,178	0	(	100,123	3 0	1,427,291	0	0	27,764	0	0 1	1,555,178

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)

## Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Water Program **Current and Future Year Cash Flow Commitments and Estimates** Current and Future Year Cash Flow Commitments and Estimates Financed By Debt -Capital Total Total Total Sub- Project No. Project Name Provincial Recoverable Reserve Total from Federal Development Grants and Priority SubProj No. Sub-project Name 2019 2020 2021 2022 2023 2024-2028 Charges Reserves Funds Financing Ward Stat. Cat. 2019-2023 2019-2028 Current Other 1 Other 2 Debt Subsidy Financed By: **Development Charges** 0 0 100,123 0 0 0 0 0 0 98,170 1,953 100,123 100,123 28,710 32,531 27,322 6,476 3,131 Reserve Funds (Ind."XR" Ref.) 1,427,291 0 0 0 01,427,291 0 0 0 0 1,427,291 315,566 470,131 398,997 160,666 51,767 1,397,127 30,164 Other2 (External) 0 27,764 0 6,117 9,319 6,969 2,913 1,223 26,541 1,223 27,764 27,764 350,393 511,981 433,288 170,055 56,121 1,521,838 33,340 1,555,178 0 0 100,123 01,427,291 0 0 27,764 0 1,555,178 **Total Program Financing** 

S2	S2 Prior Year (With 2019 and\or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2019 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

Reserved Category 2 C07

Status Code Description

07

#### **CITY OF TORONTO**

Wastewater Program

Gross Expenditures (\$000's)

# Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

		iter i rogium					Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	_	5									Total	T	Takal						Capital			Debt -	$\top$	
Sub Prio		<u>plect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recovera Debt	- 1	Total Financing
WAS	000007	ASHBRIDGES BAY WWTP REHAB																						
0	19	FERROUS UPGRADES	CW	S2	03	7,097	31	0	0	0	7,128	0	7,128	0	(	585	0	6,543	0	0	0	0	0	7,128
0	30	ELECTRICAL REHAB - ECAP	CW	S2	01	2,785	72	0	0	0	2,857	0	2,857	0		0 0	0	2,857	0	0	0	0	0	2,857
0	41	POLYMER UPGRADE	CW	S2	03	21,950	38,909	11,110	18,974	222	91,165	0	91,165	0		0 0	0	91,165	0	0	0	0	0	91,165
0	47	P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	CW	S2	03	2,082	275	49	0	0	2,406	0	2,406	0	(	253	0	2,153	0	0	0	0	0	2,406
0	49	PROCESS UPGRADES & ODOUR CONTROL ENGINEERING	CW	S2	04	81	0	0	0	0	81	0	81	0	(	8	0	73	0	0	0	0	0	81
0	189	PROCESS AND EQUIPMENT	CW	S2	03	1,463	1,100	1,100	1,100	0	4,763	0	4,763	0	(	0 0	0	4,763	0	0	0	0	0	4,763
0	190	GROUND AND FACILITIES	CW	S2	03	696	440	440	440	0	2,016	0	2,016	0	(	0	0	2,016	0	0	0	0	0	2,016
0	215	DIGESTERS CLEANING REHAB - TANKS	cw	S2	03	5,566	3,690	3,615	5	4	12,880	0	12,880	0	(	0 0	0	12,880	0	0	0	0	0	12,880
0	216	OPERATIONS CENTRE - ENGINEERING	CW	S2	03	260	0	0	0	0	260	0	260	0	(	0	0	260	0	0	0	0	0	260
0	226	ABTP - PROCESS ROADMAP PHASE 2	CW	S2	05	1,000	500	0	0	0	1,500	0	1,500	0	(	0	0	1,500	0	0	0	0	0	1,500
0	227	AIR HEADER REHAB	CW	S2	03	2,637	0	0	0	0	2,637	0	2,637	0	(	0 0	0	2,637	0	0	0	0	0	2,637
0	229	D BUILDING PHASE 2	CW	S2	03	2,144	11,000	11,000	11,000	10,405	45,549	110	45,659	0	(	0 0	0	45,659	0	0	0	0	0	45,659
0	246	NEW FLEET PURCHASES	CW	S2	04	25	25	25	25	0	100	0	100	0	(	0	0	100	0	0	0	0	0	100
0	256	DIGESTER CLEANING - 10 YEAR PLAN	CW	S4	03	200	500	240	350	700	1,990	21,500	23,490	0	(	0	0	23,490	0	0	0	0	0	23,490
0	264	HVAC CONVERSION Z-BLDG	CW	S2	03	28	0	0	0	0	28	0	28	0	(	0	0	28	0	0	0	0	0	28
0	285	BLOWER 7-9 OVERHAUL	CW	S2	03	500	0	0	0	0	500	0	500	0	(	0	0	500	0	0	0	0	0	500
0	292	BLOWER STUDY	CW	S2	03	100	0	0	0	0	100	0	100	0	(	0	0	100	0	0	0	0	0	100
0	306	BLOWER STUDY-CHANGE IN SCOPE	CW	S3	03	-100	0	0	0	0	-100	0	-100	0	(	0	0	-100	0	0	0	0	0	-100
0	307	NEW FLEET PURCHASES-CHANGE IN SCOPE	CW	S3	04	0	0	0	0	25	25	0	25	o	(	0	0	25	0	0	0	0	0	25
0	308	D BUILDING PHASE 2-CHANGE IN SCOR	PE CW	S3	03	-1,046	-4,882	-1,548	-1,600	-6,306	-15,382	-63	-15,445	О	(	0	0	-15,445	0	0	0	0	0	-15,445
0	309	AIR HEADER REHAB-CHANGE IN SCOP	E CW	S3	03	-2,176	766	0	0	0	-1,410	0	-1,410	0	(	0	0	-1,410	0	0	0	0	0	-1,410
0	310	DIGESTERS CLEANING REHAB - TANKS 1-CHANGE IN SCOPE	cw	S3	03	-1,762	202	727	0	1	-832	0	-832	0	(	0	0	-832	0	0	0	0	0	-832
0	311	POLYMER UPGRADE-CHANGE IN SCOP	E CW	S3	03	-20,525	-8,895	17,908	4,444	17,388	10,320	371	10,691	0	(	0	0	10,691	0	0	0	0	0	10,691
0	312	GROUND AND FACILITIES-CHANGE IN SCOPE	CW	S3	03	-96	0	0	0	440	344	0	344	O	(	0	0	344	0	0	0	0	0	344

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	ıture Year	Cash Flor	w Commitn	nents			Cui	rent and Fu	iture Year	Cash Flo	w Comm	itments I	Financed	Ву		
<u>Su</u> Pri		oject No. Project Name oProj No. Sub-project Name	Ward	l Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - coverable	Total Financing
WA:	3000007	ASHBRIDGES BAY WWTP REHAB																						
0	313	PROCESS AND EQUIPMENT-CHANGE SCOPE	IN CW	/ S3	03	-290	210	55	56	1,100	1,131	0	1,131	0	0	0	0	1,131	0	C	0	C	) (	1,131
0	314	FERROUS UPGRADES-CHANGE IN SCOPE	CW	/ S3	03	-1,754	1,821	0	0	0	67	0	67	0	0	480	0	-413	0	C	0	C	) (	67
0	315	ELECTRICAL REHAB - ECAP-CHANGE SCOPE	EIN CW	/ S3	01	-2,294	2,380	224	0	0	310	0	310	0	0	0	0	310	0	C	0	C	) (	310
0	316	P BLDG HEADWORKS ENG DESIGN&CONTRA-CHANGE IN SCOP		/ S3	03	-384	861	176	0	0	653	0	653	0	0	206	0	447	0	C	0	C	) (	653
0	317	PROCESS UPGRADES & ODOUR CONTROL E-CHANGE IN SCOPE	CW	/ S3	04	-60	90	0	0	0	30	0	30	0	0	9	0	21	0	C	0	C	) (	30
0	318	HEATING AND AIR SYSTEMS	CW	/ S4	03	705	4,095	5,755	6,005	2,555	19,115	130	19,245	0	0	0	0	19,245	0	C	0	C	) (	19,245
0	320	EAST BYPASS	CW	/ S4	02	250	700	1,450	1,200	10,800	14,400	73,610	88,010	0	0	0	0	88,010	0	C	0	C	) (	88,010
0	321	ABTP SOLAR PV PILOT PROJECT	CW	/ S4	04	250	2,050	75	225	0	2,600	0	2,600	0	0	0	0	2,600	0	C	0	C	) (	2,600
0	322	SECONDARY CLARIFIER CROSS COLLECTOR UPGR TANK 2&4	CW	/ S4	04	75	1,800	1,100	15	10	3,000	0	3,000	0	0	0	0	3,000	0	C	0	C	) (	3,000
0	323	BLOWER 7-9 OVERHAUL-CHANGE IN SCOPE	CW	/ S3	03	0	500	0	0	0	500	0	500	0	0	0	0	500	0	C	0	C	) (	500
0	324	ABTP - PROCESS ROADMAP PHASE 2-CHANGE IN SCOPE	CW	/ S3	05	-500	350	850	100	0	800	0	800	0	0	0	0	800	0	C	0	C	) (	800
0	325	HVAC CONVERSION Z-BLDG-CHANG SCOPE	EIN CW	/ S3	03	0	100	130	0	0	230	0	230	0	0	0	0	230	0	C	0	C	) (	230
0	326	OPERATIONS CENTRE - ENGINEERING-CHANGE IN SCOPE	CW	/ S3	03	-10	0	0	0	0	-10	0	-10	0	0	0	0	-10	0	C	0	C	) (	-10
		Sub-total				18,897	58,690	54,481	42,339	37,344	211,751	95,658	307,409	0	0	1,541	0	305,868	0	C	) 0		0 (	307,409
WA:	S000115	HUMBER T.P.																						
0	9	CO-GENERATION	CW	/ S2	04	87	0	0	0	0	87	0	87	0	0	0	0	87	0	C	0	C	) (	87
0	64	CO-GENERATION-CHANGE IN SCOPE	E CW	/ S3	04	33	0	0	0	0	33	0	33	0	0	0	0	33	0	C	0	C	) (	33
		Sub-total				120	0	0	0	0	120	0	120	0	0	0	0	120	0	C	) 0	1	0 (	120
WA:	S000259	TRUNK SEWER SYSTEM																						
0	15	TRUNK SEWER REHABILITATION - 20	112 CW	/ S2	03	1,093	87	16	0	0	1,196	0	1,196	0	0	0	0	1,196	0	C	0	C	) (	1,196
0	27	TRUNK SEWER REHABILITATION - 20	14 CW	/ S2	03	23,755	3,380	10	14	0	27,159	0	27,159	0	0	0	0	27,159	0	C	0	C	) (	27,159
0	34	BLACK CREEK STS EA	CW	/ S2	05	1,352	0	0	0	0	1,352	0	1,352	0	0	0	0	1,352	0	C	0	C	) (	1,352
0	47	TRUNK SEWER REHABILITATION - 20	16 CW	/ S2	03	22,085	9,047	1,535	151	0	32,818	0	32,818	0	0	0	0	32,818	0	C	0	C	) (	32,818
0	53	TRUNK SEWER REHABILITATION - 20	18 CW	/ S2	03	13,962	44,974	69,585	39,611	9,357	177,489	142	177,631	0	0	0	0	177,631	0	C	0	C	) (	177,631

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

						[		Curre	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cui	rent and F	uture Year	Cash Flo	ow Comm	itments F	inanced	Ву	_	
01	Б.	:4 NI	Dun ! 4 N			ļ						Total	Total	Total						Capital			Debt -		
Sub Prio			<u>Project Name</u> Sub-project Name	Ward	Stat	Cat	2019	2020	2021	2022	2023	2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2	Recovera Debt	- 1	Total Financing
			WER SYSTEM	····	J.u	Jt.						2020		2020	Oubsidies	,								Ť	9
0	62		WER REHABILITATION - IGE IN SCOPE	CW	S3	03	-742	943	5	0	0	206	0	206	0	C	0	0	206	0	0	0	0	0	206
0	63		WER REHABILITATION - IGE IN SCOPE	CW	S3	03	-10,775	1,514	-1,524	-151	0	-10,936	0	-10,936	0	C	0	0	-10,936	0	0	0	0	0	-10,936
0	64	BLACK CRE SCOPE	EEK STS EA-CHANGE IN	CW	S3	05	-887	347	0	0	0	-540	0	-540	0	C	0	0	-540	0	0	0	0	0	-540
0	65		WER REHABILITATION - IGE IN SCOPE	CW	S3	03	-7,439	2,360	-8,650	-3,181	8,600	-8,310	8,002	-308	0	C	0	0	-308	3 0	0	0	0	0	-308
0	66		WER REHABILITATION - IGE IN SCOPE	CW	S3	03	-15,447	12,590	2,256	2	0	-599	0	-599	0	C	0	0	-599	0	0	0	0	0	-599
0	67	TRUNK SEV	WER REHABILITATION - 2019	CW	S4	03	775	2,635	5,470	32,777	8,813	50,470	11,958	62,428	0	C	0	0	62,428	3 0	0	0	0	0	62,428
0	68	LOWER SIM	MCOE CSO	CW	S4	04	700	1,100	700	900	8,400	11,800	10,200	22,000	0	C	0	0	22,000	0	0	0	0	0	22,000
			Sub-total				28,432	78,977	69,403	70,123	35,170	282,105	30,302	312,407	0	C	0	0	312,407	0	0	0	0	0	312,407
WAS	000442	BASEMENT	FLOODING RELIEF			1																		T	
0	1	BASEMENT SUBSIDY P	FLOODING PROTECTION ROGRAM	CW	S2	04	5,500	5,500	0	0	0	11,000	0	11,000	0	C	0	0	11,000	0	0	0	0	0	11,000
0	8	BASEMENT	FLOODING STUDIES & EAS	CW	S2	04	701	0	0	0	0	701	0	701	0	C	7	0	694	0	0	0	0	0	701
0	9	BASEMENT PROJECT	FLOODING RELIEF - TUNNEL	. CW	S2	04	5,446	5,800	37,700	37,000	37,000	122,946	81,900	204,846	0	C	96	0	204,750	0	0	0	0	0	204,846
0	12	ROAD RES	TORATION FOR BSMT FLDG	CW	S2	04	292	0	0	0	0	292	0	292	0	C	2	0	290	0	0	0	0	0	292
0	14	BASEMENT 1	FLOODING DESIGN - GROUP	cw	S2	04	1,206	0	0	0	0	1,206	0	1,206	0	C	20	0	1,186	0	0	0	0	0	1,206
0	18	BASEMENT 2	FLOODING DESIGN - GROUP	CW	S2	04	3,135	2,126	0	0	0	5,261	0	5,261	0	C	15	0	5,246	0	0	0	0	0	5,261
0	19	BASEMENT 2	FLOODING RELIEF - GROUP	CW	S2	04	16,906	4,203	0	0	0	21,109	0	21,109	0	C	450	0	20,659	0	0	0	0	0	21,109
0	20	BASEMENT 3	FLOODING DESIGN - GROUP	CW	S2	04	2,219	1,030	919	0	0	4,168	0	4,168	0	C	54	0	4,114	0	0	0	0	0	4,168
0	29	BASEMENT 1	FLOODING RELIEF - GROUP	CW	S2	04	2,528	30	0	0	0	2,558	0	2,558	0	C	2	0	2,556	0	0	0	0	0	2,558
0	76	BASEMENT MONITORIN	FLOODING FLOW NG	CW	S2	04	954	982	0	0	0	1,936	0	1,936	0	C	0	0	1,936	0	0	0	0	0	1,936
0	77	BASEMENT 4 (ENGINE	TFLOODING DESIGN - GROUF ERING)	cw	S2	04	34,297	34,520	42,713	47,250	46,465	205,245	123,754	328,999	0	C	513	0	328,486	0	0	0	0	0	328,999
0	81		FLOODING STUDIES & IPLEMENTATION	CW	S2	04	5,758	3,755	1,750	1,000	750	13,013	0	13,013	0	C	65	0	12,948	3 0	0	0	0	0	13,013
0	89	BASEMENT 4 (CONSTR	FLOODING RELIEF - GROUP RUCTION)	CW	S2	04	39,481	63,740	44,277	53,652	72,173	273,323	196,981	470,304	0	C	1,020	0	469,284	0	0	0	0	0	470,304
0	107	BASEMENT 3 (CONSTR	FLOODING RELIEF - GROUP RUCTION)	CW	S2	04	12,443	16,744	13,978	0	0	43,165	0	43,165	0	C	396	0	42,769	0	0	0	0	0	43,165
0	132		FLOODING STUDIES & HANGE IN SCOPE	CW	S3	04	-1,238	9,861	19,915	17,940	14,505	60,983	1,100	62,083	0	C	7,146	0	54,937	0	0	0	0	0	62,083

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

dix 8: 2019 Cash Flow and Fu	ture	rea	r Co	mmitme	nts inci	uaing	Carry F	orwar	a Funa	ing												
rater Program																						
					Curr	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cui	rent and Fu	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2			Total Financing
												Cubsidies										
BASEMENT FLOODING RELIEF - GROUP 1-CHANGE IN SCOPE	CW	S3	04	-2,407	911	0	0	0	-1,496	0	-1,496	0	0	157	0	-1,653	0	0	0		0	-1,496
BASEMENT FLOODING DESIGN - GROUP 3-CHANGE IN SCOPE	CW	S3	04	-282	529	0	0	0	247	0	247	0	0	609	0	-362	0	0	0		0	247
BASEMENT FLOODING DESIGN - GROUP 4-CHANGE IN SCOPE	cw	S3	04	-17,697	-4,557	-8,750	-1,929	-16,628	-49,561	-54,771	-104,332	0	0	33,186	0	-137,518	0	0	0		0	-104,332
BASEMENT FLOODING RELIEF - GROUP 4-CHANGE IN SCOPE	CW	S3	04	-15,156	-25,088	15,734	14,510	-2,455	-12,455	38,994	26,539	0	0	63,283	0	-36,744	0	0	0		0	26,539
BASEMENT FLOODING STUDIES & EAS-CHANGE IN SCOPE	CW	S3	04	-616	400	150	200	0	134	0	134	0	0	119	0	15	0	0	0		0	134
BASEMENT FLOODING RELIEF - GROUP 3-CHANGE IN SCOPE	CW	S3	04	-3,450	3,101	-492	6,284	0	5,443	0	5,443	0	0	6,896	0	-1,453	0	0	0		0	5,443
BASEMENT FLOODING RELIEF - TUNNEL -CHANGE IN SCOPE	. CW	S3	04	-1,761	2,165	-17,693	-850	0	-18,139	23,000	4,861	0	0	31,361	0	-26,500	0	0	0		0	4,861
BASEMENT FLOODING DESIGN - GROUP 1-CHANGE IN SCOPE	CW	S3	04	-1,076	1,703	0	0	0	627	0	627	0	0	255	0	372	0	0	0		0	627
BASEMENT FLOODING RELIEF - GROUP 2-CHANGE IN SCOPE	CW	S3	04	-8,554	11,046	0	0	0	2,492	0	2,492	0	0	3,090	0	-598	0	0	0		0	2,492
BASEMENT FLOODING DESIGN - GROUP 2-CHANGE IN SCOPE	CW	S3	04	-3,032	3,854	0	0	0	822	0	822	0	0	897	0	-75	0	0	0		0	822
BASEMENT FLOODING FLOW MONITORING-CHANGE IN SCOPE	CW	S3	04	606	308	0	0	0	914	0	914	0	0	428	0	486	0	0	0		0	914
ROAD RESTORATION FOR BSMT FLDG PRJ-CHANGE IN SCOPE	CW	S3	04	-198	202	0	0	0	4	0	4	0	0	42	0	-38	0	0	0		0	4
Sub-total				76,005	142,865	150,201	175,057	151,810	695,938	410,958	1,106,896	0	0	150,109	0	956,787	0	0	0	)	0	1,106,896
HIGHLAND CREEK WWTP - BUILDING SE	RV &																					
HCTP BLDG REHAB & IMPROVEMENTS	CW	S2	03	1,375	0	0	0	0	1,375	0	1,375	0	0	0	0	1,375	0	0	0		0	1,375
HCTP BLDG REHAB & IMPROVEMENTS-CHANGE IN SCOPE	CW	S3	03	-375	350	0	0	0	-25	0	-25	0	0	0	0	-25	0	0	0		0	-25
Sub-total				1,000	350	0	0	0	1,350	0	1,350	0	0	0	0	1,350	0	0	0	)	0	1,350
22 W&WW LABORATORIES																						
LAB & EMP FACILITIES	CW	S2	04	7,550	2,500	0	0	0	10,050	8,450	18,500	0	0	0	0	18,500	0	0	0		0	18,500
LAB EQUIPMENT - FUTURE	CW	S2	03	337	242	458	102	210	1,349	840	2,189	0	0	0	0	2,189	0	0	0		0	2,189
LAB EQUIPMENT - FUTURE-CHANGE IN SCOPE	CW	S3	03	-337	2	0	-102	0	-437	210	-227	0	0	0	0	-227	0	0	0		0	-227
LAB EQUIPMENT-CHANGE IN SCOPE	CW	S3	03	562	0	0	0	0	562	0	562	0	0	0	0	562	0	0	0		0	562
LAB & EMP FACILITIES-CHANGE IN SCOPE	CW	S3	04	-6,500	1,750	4,950	0	0	200	0	200	0	0	0	0	200	0	0	0		0	200
Sub-total				1,612	4,494	5,408	0	210	11,724	9,500	21,224	0	0	0	0	21,224	0	0	0	)	0	21,224
SWM END OF PIPE FACILITIES																						
2	TOJECT NO. Project Name JOPTOJ NO. SUB-PROJECT NAME JOPTOJ NO. SUB-PROJECT NAME  22 BASEMENT FLOODING RELIEF  BASEMENT FLOODING RELIEF - GROUP 1-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUF 3-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUF 4-CHANGE IN SCOPE  BASEMENT FLOODING STUDIES & EAS-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP 4-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP 3-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - TUNNEL -CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP 1-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUF 1-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUP 2-CHANGE IN SCOPE  BASEMENT FLOODING FLOW MONITORING-CHANGE IN SCOPE  ROAD RESTORATION FOR BSMT FLDG PRJ-CHANGE IN SCOPE  SUB-total  21 HIGHLAND CREEK WWTP - BUILDING SE HCTP BLDG REHAB & IMPROVEMENTS  HCTP BLDG REHAB & IMPROVEMENTS  HCTP BLDG REHAB & IMPROVEMENTS  HCTP BLDG REHAB & IMPROVEMENTS  LAB & EMP FACILITIES  LAB EQUIPMENT - FUTURE  LAB EQUIPMENT - FUTURE  LAB EQUIPMENT - FUTURE  LAB EQUIPMENT - FUTURE  LAB EQUIPMENT - FUTURE IN SCOPE  LAB & EMP FACILITIES - CHANGE IN SCOPE  LAB & EMP FACILITIES - CHANGE IN SCOPE  LAB & EMP FACILITIES - CHANGE IN SCOPE	TOJECT NO. Project Name JOPTOJ NO. SUB-PROJECT NAME JOPTOJ NO. SUB-PROJECT NAME JOPTOJ NO. SUB-PROJECT NAME  BASEMENT FLOODING RELIEF  BASEMENT FLOODING RELIEF - GROUP CW 1-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUP CW 4-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP CW 4-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP CW 4-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - GROUP CW 3-CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - TUNNEL CW -CHANGE IN SCOPE  BASEMENT FLOODING RELIEF - TUNNEL CW -CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUP CW 1-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUP CW 2-CHANGE IN SCOPE  BASEMENT FLOODING DESIGN - GROUP CW 2-CHANGE IN SCOPE  BASEMENT FLOODING FLOW CW MONITORING-CHANGE IN SCOPE  ROAD RESTORATION FOR BSMT FLDG PRJ-CHANGE IN SCOPE  SUB-total  21 HIGHLAND CREEK WWTP - BUILDING SERV & HCTP BLDG REHAB & IMPROVEMENTS CW HCTP BLDG REHAB & CW IMPROVEMENTS-CHANGE IN SCOPE  SUB-total  22 W&WW LABORATORIES  LAB & EMP FACILITIES CW  LAB EQUIPMENT - FUTURE CW  LAB EQUIPMENT - FUTURE-CHANGE IN CW SCOPE  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CW  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  LAB & EMP FACILITIES CHANGE IN CW  SCOPE  SUB-total	Project No. Project Name Jopenson Sub-project Name Jopenson No. Sub-project Name Ward Stat.  BASEMENT FLOODING RELIEF BASEMENT FLOODING RELIEF - GROUP CW S3 3-CHANGE IN SCOPE BASEMENT FLOODING DESIGN - GROUP CW S3 3-CHANGE IN SCOPE BASEMENT FLOODING RELIEF - GROUP CW S3 4-CHANGE IN SCOPE BASEMENT FLOODING RELIEF - GROUP CW S3 4-CHANGE IN SCOPE BASEMENT FLOODING STUDIES & CW S3 EAS-CHANGE IN SCOPE BASEMENT FLOODING RELIEF - GROUP CW S3 3-CHANGE IN SCOPE BASEMENT FLOODING RELIEF - GROUP CW S3 3-CHANGE IN SCOPE BASEMENT FLOODING RELIEF - TUNNEL CW S3 -CHANGE IN SCOPE BASEMENT FLOODING DESIGN - GROUP CW S3 1-CHANGE IN SCOPE BASEMENT FLOODING DESIGN - GROUP CW S3 2-CHANGE IN SCOPE BASEMENT FLOODING DESIGN - GROUP CW S3 2-CHANGE IN SCOPE BASEMENT FLOODING FLOW CW S3 2-CHANGE IN SCOPE BASEMENT FLOODING FLOW CW S3 2-CHANGE IN SCOPE BASEMENT FLOODING FLOW CW S3 4-CHANGE IN SCOPE BASEMENT FLOODING FLOW S3 4-CHANGE IN SCOPE BASEMENT FLOODING FLOW S3 4-CHANGE IN SCOPE BASEMENT FLOODING FLOW S3 4-CHANGE IN SCOPE BASEMENT FLOODING FLIEF - GROUP CW S3 4-CHANGE IN SCOPE BASEMENT FLOODING FLIEF - GROUP CW	Project No.   Project Name   Ward   Stat.   Cat.	Coject No.   Project Name   Ward Stat.   Cat.   2019	Curr   Coject No.   Project Name   Ward   Stat.   Cat.   2019   2020	Collect No.   Project Name   Jub Proj No.   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021	Collect No.   Project Name   Libro   Name   Libro   Name   Libro   No.   Sub-project Name   Ward   Stat.   Cat.   2019   2020   2021   2022   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2028   2029	Colect No.   Project Name   Ward   Stat.   Cat.   2019   2020   2021   2022   2023   2023   2028	Collect No.   Project Name   Ward Stat. Cat.   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2021   2022   2023   2019   2019   2020   2019   20	Collect No.   Project Name	Color   Project Name	Sub-project Name	Sub-project No.   Project Name   Ward Start. Cat.   2019   2020   2021   2022   2023   2019-2020   2024-2028   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2019-2020   2024-2028   2024-2028   2029-2020   2029-2020   2	Current and Fruence   Fr	Column   Project Name   Ward Stat   Cat   2019   2020   2021   2022   2023   2019   2024   2022   2023   2019   2024   2024   2024   2024   2019   2019   2020   2024   2023   2019   2024   2024   2024   2019   2019   2019   2019   2020   2024   2023   2019   2024   2024   2019   2019   2019   2019   2019   2019   2022   2023   2019   2024   2024   2019	Project Name   Project Name   Ward   Start   Cat   2019   2020   2021   2022   2023   2019   2024	Part   Program	Property   Property	Property   Property	Part   Program	Property   Property

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Appen	idix 6. 2019 Casii Flow alid F	uluie	ı ea	1 00	,,,,,,,	IIIS IIICI	uuiiig	Carry	Oi Wai	u Fullu	iiig												
Wastew	vater Program																						
						Curre	ent and Fu	ture Year	Cash Flov	v Commitn	nents			Cur	rent and Fu	uture Year	Cash Flo	w Comm	itments [	Financed	Ву		
	roject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal (	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Re	Debt - ecoverable	Total Financing
WAS9063	28 SWM END OF PIPE FACILITIES																						
0 11	Bonar Creek SWMF Construction	CW	S2	04	1,750	9,250	9,125	175	0	20,300	0	20,300	0	0	1,633	0	18,667	C	0 0	0 0	(	0 0	20,300
0 12	EARL BALES PARK SWM FACILITY - PHASE 2	CW	S2	04	1,000	0	0	0	0	1,000	0	1,000	0	0	80	0	920	C	0 0	0	(	0 0	1,000
0 57	Scarborough Waterfront Construction	CW	S2	04	0	0	0	0	0	0	47,950	47,950	0	0	3,860	0	44,090	(	0 0	0 0	(	0 0	47,950
0 64	HUMBER BAY POND (ETOBICOKE)	CW	S2	03	290	300	0	0	0	590	0	590	0	0	50	0	540	(	0 0	0 0	(	0 0	590
0 67	YR03 D1 END OF PIPE	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	(	0 0	0 0	(	0 0	1
0 72	NORTH TORONTO CSO CONSTR - 2018 SC	CW	S2	04	340	500	0	0	0	840	0	840	0	0	73	0	767	(	0 0	0 0	(	0 0	840
0 74	Scarborough Waterfront Constructio-CHANGE IN SCOPE	CW	S3	04	0	0	0	0	0	0	-6,200	-6,200	0	0	2,318	0	-8,518	C	0 0	0 0	(	0 0	-6,200
0 75	Bonar Creek SWMF Construction-CHANG IN SCOPE	E CW	S3	04	-975	-7,706	175	9,602	176	1,272	0	1,272	0	0	1,559	0	-287	C	0 0	0 0	(	0 0	1,272
0 76	NORTH TORONTO CSO CONSTR - 2018 SC-CHANGE IN SCOPE	CW	S3	04	-240	150	1,650	0	0	1,560	0	1,560	0	0	282	0	1,278	(	0 0	0 0	(	0 0	1,560
0 77	HUMBER BAY POND (ETOBICOKE)-CHANGE IN SCOPE	CW	S3	03	-40	215	2,115	1,016	115	3,421	0	3,421	0	0	543	0	2,878	C	0 0	0 0	(	0 0	3,421
0 78	EARL BALES PARK SWM FACILITY - PHA-CHANGE IN SCOPE	CW	S3	04	-950	951	0	0	0	1	0	1	0	0	71	0	-70	C	0 0	0 0	(	0 0	1
	Sub-total				1,176	3,660	13,065	10,793	291	28,985	41,750	70,735	0	0	10,469	0	60,266	C	0 0	) 0	)	0 0	70,735
WAS9063	31 SWM SOURCE CONTROL PROG																						
0 9	DOWNSPOUT DISCONNECTION PROGRAM	CW	S2	04	70	70	20	20	0	180	0	180	0	0	0	0	180	C	0 0	0 0	, ,	0 0	180
0 17	DOWNSPOUT DISCONNECTION PROGRAM-CHANGE IN SCOPE	CW	S3	04	20	-25	0	0	0	-5	0	-5	0	0	0	0	-5	C	0 0	0	) 1	0 0	-5
	Sub-total				90	45	20	20	0	175	0	175	0	0	0	0	175	(	0 0	0 0	)	0 0	175
WAS9063	80 HIGHLAND CREEK WWTP - ODOUR CO	NTROI																					
0 1	ODOUR CONTROL UPGRADES - PHASE ENG		S2	04	190	203	56	50	20	519	0	519	0	0	42	0	477	C	0 0	0 0	, ,	0 0	519
0 2	ODOUR CONTROL UPGRADES - PHASE CONSTR	1 25	S2	02	2,418	5,119	0	0	0	7,537	0	7,537	0	0	607	0	6,930	C	0 0	0 0	, ,	0 0	7,537
0 24	ODOUR CONTROL UPGRADES - PHASE E-CHANGE IN SCOPE	1 25	S3	04	660	261	134	6	30	1,091	20	1,111	0	0	204	0	907	C	) (	0 0	, ,	0 0	1,111
0 25	ODOUR CONTROL UPGRADES - PHASE C-CHANGE IN SCOPE	1 25	S3	02	2,057	-1,760	1,917	0	0	2,214	0	2,214	0	0	856	0	1,358	C	) (	0 0	, ,	0 0	2,214
	Sub-total				5,325	3,823	2,107	56	50	11,361	20	11,381	0	0	1,709	0	9,672	(	0 0	) 0	)	0 0	11,381
WAS9064	87 HIGHLAND CREEK T.P IV YR2004												<u> </u>										
0 22	PCS PLANT SERVICES	CW	S2	04	1	0	0	0	0	1	0	1	0	0	0	0	1	C	0 0	0 0	, (	0 0	1
	Sub-total				1	0	0	0	0	1	0	1	0	0	0	0	1	(	0 0	0 0	)	0 0	) 1

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

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	iture Year	Cash Flo	w Commitn	nents			Cur	rent and Future Y	ear C	ash Flo	w Commi	itments F	inanced	Ву		
Sub Pric		oject No. Project Name oProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal [	Development Charges Reserv	Ro Ves F	Reserve Funds	Capital from Current	Other 1	Other2	De Recov Debt	erable	Total Financing
WAS	906492	WET WEATHER FLOW MP																						
0	1	SWM INA/EA	CW	S2	04	740	655	440	110	0	1,945	0	1,945	0	0	157	0	1,788	0	0	0	0	0	1,945
0	14	WWFMP IMPLEMENTATION - DESIGN	CW	S2	04	731	300	0	0	0	1,031	0	1,031	0	0	90	0	941	0	0	0	0	0	1,031
0	41	SWM CONVEYANCE 2012	CW	S2	04	37	0	0	0	0	37	0	37	0	0	3	0	34	0	0	0	0	0	37
0	58	SWM CONVEYANCE 2015	CW	S2	04	785	0	0	0	0	785	0	785	0	0	63	0	722	0	0	0	0	0	785
0	59	STORM WATER POND ASSESSMENT & CLEANING	CW	S2	03	4,394	3,000	3,000	3,000	0	13,394	0	13,394	0	0	0	0	13,394	0	0	0	0	0	13,394
0	60	ASHBRIDGES BAY LANDFORMS	CW	S2	04	3,250	6,300	6,300	5,300	5,300	26,450	6,550	33,000	0	0	0	0	33,000	0	0	0	0	0	33,000
0	84	SWM CONVEYANCE 2017	CW	S2	04	2,229	1,660	646	0	0	4,535	0	4,535	0	0	408	0	4,127	0	0	0	0	0	4,535
0	86	GREEN STREETS	CW	S2	04	1,451	265	180	40	0	1,936	0	1,936	0	0	193	0	1,743	0	0	0	0	0	1,936
0	97	WATERFRONT MODELLING STUDIES	CW	S2	05	25	25	100	100	100	350	190	540	0	0	43	0	497	0	0	0	0	0	540
0	109	SWM CONVEYANCE 2012-CHANGE IN SCOPE	CW	S3	04	-37	0	0	0	0	-37	0	-37	0	0	-3	0	-34	0	0	0	0	О	-37
0	110	GREEN STREETS-CHANGE IN SCOPE	CW	S3	04	-444	973	303	85	100	1,017	0	1,017	0	0	243	0	774	0	0	0	0	О	1,017
0	111	SWM CONVEYANCE 2015-CHANGE IN SCOPE	CW	S3	04	-785	0	0	0	0	-785	0	-785	0	0	-63	0	-722	0	0	0	0	0	-785
0	112	SWM CONVEYANCE 2017-CHANGE IN SCOPE	CW	S3	04	-429	770	265	0	0	606	0	606	0	0	353	0	253	0	0	0	0	0	606
0	113	PUBLIC EDUCATION-CHANGE IN SCOPE	E CW	S3	04	535	0	0	0	0	535	0	535	0	0	79	0	456	0	0	0	0	0	535
0	114	SWM INA/EA-CHANGE IN SCOPE	CW	S3	04	77	325	150	-2	0	550	0	550	0	0	212	0	338	0	0	0	0	0	550
0	115	WATERFRONT MODELLING STUDIES-CHANGE IN SCOPE	CW	S3	05	-25	-25	0	0	0	-50	10	-40	0	0	32	0	-72	0	0	0	0	0	-40
0	116	WWFMP IMPLEMENTATION - DESIGN-CHANGE IN SCOPE	CW	S3	04	-633	65	350	250	25	57	25	82	0	0	76	0	6	0	0	0	0	О	82
0	117	STORM WATER POND ASSESSMENT & CLEA-CHANGE IN SCOPE	CW	S3	03	-2,143	343	44	170	2,000	414	0	414	0	0	0	0	414	0	0	0	0	0	414
0	118	ASHBRIDGES BAY LANDFORMS-CHANGIN SCOPE	SE CW	S3	04	3,750	17,359	19,984	15,029	14,049	70,171	-5,432	64,739	0	0	0	0	64,739	0	0	0	0	0	64,739
		Sub-total				13,508	32,015	31,762	24,082	21,574	122,941	1,343	124,284	0	0	1,886	0 1	122,398	0	0	0	0	0	124,284
WAS	906495	SEWER ASSET PLANNING																					$\Box$	
0	5	SEWER ASSET PLANNING	CW	S2	03	11,404	8,250	8,000	8,000	2,000	37,654	0	37,654	0	0	3,028	0	34,626	0	0	0	0	0	37,654
0	7	SEWER SYSTEM INSPECTION	CW	S2	03	7,546	8,290	0	0	0	15,836	0	15,836	0	0	0	0	15,836	0	0	0	0	0	15,836
0	21	PPD - INFRASTRUCTURE PLANNING STUDIES	CW	S2	05	150	0	0	0	0	150	0	150	0	0	0	0	150	0	0	0	0	0	150

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	uture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
		oject No. Project Name bProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Rec	ebt - overable	Total Financing
WA	S906495	SEWER ASSET PLANNING																						
0	39	SEWER SYSTEM INSPECTION-CHANGE IN SCOPE	CW	S3	03	2,454	12,073	20,131	15,400	15,700	65,758	10,500	76,258	C	) (	0	0	76,258	0	0	0	0	0	76,258
0	40	SEWER ASSET PLANNING-CHANGE IN SCOPE	CW	S3	03	-5,828	3,696	2,757	1,145	2,850	4,620	1,000	5,620	C	) (	298	0	5,322	0	0	0	0	0	5,620
0	41	PPD - INFRASTRUCTURE PLANNING STUD-CHANGE IN SCOPE	CW	S3	05	25	150	0	0	0	175	0	175	C	) (	0	0	175	0	0	0	0	C	175
0	42	CORP IT - IDC-CHANGE IN SCOPE	CW	S3	04	150	0	0	0	0	150	0	150	C	) (	0	0	150	0	0	0	0	0	150
		Sub-total				15,901	32,459	30,888	24,545	20,550	124,343	11,500	135,843	0	C	3,326	0	132,517	0	0	0	0	(	135,843
WA	S906500	NEW SEWER CONSTRUCTION																						
0	5	NEW SEWERS	CW	S2	05	88	500	0	0	0	588	0	588	C	) (	371	0	217	0	0	0	0	С	588
0	24	WATERFRONT SANITARY MASTER SERVICING PLAN IMP	CW	S2	05	6,500	6,500	1,500	750	0	15,250	0	15,250	C	) (	7,625	0	7,625	0	0	0	0	0	15,250
0	25	DOWNSVIEW LANDS EXTERNAL UPGRADES	CW	S2	05	0	1,450	5,000	1,550	0	8,000	0	8,000	C	) (	8,000	0	0	0	0	0	0	0	8,000
0	36	SHEPPARD SANITARY SEWER AT EAST DON STS	CW	S2	05	2,000	1,000	0	0	0	3,000	0	3,000	C	) (	1,866	0	1,134	0	0	0	0	0	3,000
0	40	WATERFRONT SANITARY MASTER SERVICI-CHANGE IN SCOPE	CW	S3	05	-5,150	1,116	11,559	22,437	10,851	40,813	4,676	45,489	C	) (	11,152	0	34,337	0	0	0	0	0	45,489
0	41	SHEPPARD SANITARY SEWER AT EAST DO-CHANGE IN SCOPE	CW	S3	05	-2,000	-1,000	1,400	1,800	800	1,000	0	1,000	C	) (	623	0	377	0	0	0	0	0	1,000
0	42	NEW SEWERS-CHANGE IN SCOPE	CW	S3	05	-38	0	0	0	0	-38	0	-38	(	) (	179	0	-217	0	0	0	0	0	-38
		Sub-total				1,400	9,566	19,459	26,537	11,651	68,613	4,676	73,289	0	C	29,816	0	43,473	0	0	0	0	(	73,289
WA	S906735	DIST SEWER REHAB OPS YR2005																						
0	10	GROUP 1 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	16	20	0	0	0	36	0	36	C	) (	) 4	0	32	0	0	0	0	0	36
0	20	GROUP 1 SEWAGE PUMPING STATION UPG-CHANGE IN SCOPE	CW	S3	03	-1	1	0	0	0	0	0	0	C	) (	) 1	0	-1	0	0	0	0	0	0
		Sub-total				15	21	0	0	0	36	0	36	0	C	) 5	0	31	0	0	0	0	(	36
WA	S906741	HIGHLAND CREEK TP YR2005																						
0	1	WAS THICKENING AND DEWATERING - ENG	CW	S2	03	2	0	0	0	0	2	0	2	C	) (	0	0	2	0	0	0	0	C	2
0	21	WAS THICKENING AND DEWATERING - EN-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	C	) (	0	0	1	0	0	0	0	C	1
		Sub-total				3	0	0	0	0	3	0	3	0	C	0	0	3	0	0	0	0	(	3
WA	S906742	HUMBER TP YR2005																						
0	8	ODOUR CONTROL ENGINEERING	CW	S2	04	374	90	20	0	0	484	0	484	C	) (	0	0	484	0	0	0	0	С	484

#### CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Debt -Capital Federal Development Charges Reserves Funds Total Total Total Sub- Project No. Project Name Reserve from Recoverable Total Grants and 2019 2020 2021 2022 2023 2024-2028 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2019-202 2019-2028 Other 1 Other2 Debt WAS906742 HUMBER TP YR2005 0 58 ODOUR CONTROL CW S3 04 383 188 -20 Ω 55 551 0 0 156 0 395 0 n 0 0 551 ENGINEERING-CHANGE IN SCOPE Sub-total 757 278 0 0 1,035 1,035 0 156 0 879 0 0 1,035 WAS906743 ASHRIDGES BAY TP YR2005 MISC MECH ENGINEERING CW S2 03 720 80 0 0 800 800 68 732 0 800 1,166 1,166 0 7 SERVICE AIR UPGRADES CW S2 03 1.166 0 0 0 1,166 n 0 0 0 1.166 n 0 0 MISC MECH ENGINEERING-CHANGE IN CW S3 -400 380 35 24 24 53 -29 n 24 SERVICE AIR UPGRADES-CHANGE IN CW S3 -1,1321 289 157 0 157 0 64 0 0 157 0 0 0 0 157 0 0 0 SCOPE Sub-total 354 1,749 35 9 2,147 2,147 0 0 121 0 2,026 0 0 0 0 2,147 WAS906755 WESTERN BEACHES RETROFIT WESTERN BEACHES RETROFIT CW S2 8,902 6,377 15 86 15,380 15,380 1.481 13.899 0 15,380 0 17 WESTERN BEACHES RETROFIT-CHANGE CW S3 -5.3002.593 19.935 50 28,587 28.587 0 5,024 23.563 0 0 0 28,587 11.309 0 0 0 IN SCOPE 3.602 50 43,967 43,967 Sub-total 8,970 19,950 11,395 43,967 0 0 6,505 0 37,462 0 0 0 0 WAS906926 OPERATIONAL SUPPORT FACILITY RENOVATION CW S2 04 1,015 750 0 0 1,765 1,765 1,765 0 1,765 EMP MONITORING NEEDS 50 50 0 23 CW S2 50 n 50 50 0 0 04 0 0 0 n 0 0 0 0 40 PCS UPGRADES FOR WASTEWATER CW S2 6,842 6,100 4.065 25 17,032 17,032 17,032 0 17,032 TREATMENT 1,135 DIVISIONAL SECURITY CW S2 1,135 1,135 1,135 100 04 0 0 0 0 0 0 1.135 0 n 0 0 BACKUP POWER - FINCH AND DEE 500 500 105 CW S2 04 500 0 500 500 0 OFFICE MODERNIZATION - MH18 1,425 1,425 107 CW S2 04 450 975 0 0 1,425 0 0 0 1,425 0 0 0 114 DISTRICT OPERATIONS FACILITY CW S2 04 250 1.000 2.000 400 3.650 3.650 0 0 0 3.650 0 0 0 3.650 UPGRADES 122 435 KIPLING AVENUE CW S2 04 2,020 3,750 0 0 5,770 5,770 0 0 0 5,770 0 0 0 5,770 123 PCS UPGRADES FOR WASTEWATER CW S3 -290 -8,122 -8,122 -8.122 -8,122 -4 746 -3 086 0 0 0 0 0 n 04 0 0 0 TREATM-CHANGE IN SCOPE 124 FACILITY RENOVATION-CHANGE IN CW S3 04 1.823 1.313 267 272 120 3,795 3.795 0 3.795 0 0 0 3,795 SCOPE 0 126 DIVISIONAL SECURITY-CHANGE IN CW S3 47 20 67 67 67 n 67 04 0 0 n 0 0 0 0 0 SCOPE 127 **BACKUP POWER - FINCH AND** CW S3 0 -400 400 DEE-CHANGE IN SCOPE

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

-																								
							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flov	w Commi	tments F	inanced	Ву		
Su	b- Pro	oject No. Project Name									Total	Total	Total	Provincial					Capital			Debt Recover	- 1	
			Nard	Stat.	Cat.	2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2		abie	Total Financing
WA	S906926	OPERATIONAL SUPPORT																						
0	128	OFFICE MODERNIZATION - MH18-CHANGE IN SCOPE	CW	S3	04	-450	-975	0	0	0	-1,425	0	-1,425	О	(	0	0	-1,425	0	0	0	0	0	-1,425
0	129	435 KIPLING AVENUE-CHANGE IN SCOPE	CW	S3	04	-1,870	-1,850	3,750	0	0	30	0	30	o	C	0	0	30	0	0	0	0	0	30
0	130	EMP MONITORING NEEDS-CHANGE IN SCOPE	CW	S3	04	0	50	50	0	0	100	0	100	o	C	0	0	100	0	0	0	0	0	100
		Sub-total				6,566	8,047	9,942	1,097	120	25,772	0	25,772	0	C	0	0	25,772	0	0	0	0	0	25,772
WA:	S906958	SEWER SYSTEM REHABILITATION																					ヿ	
0	2	GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES	CW	S2	03	4	0	0	0	0	4	0	4	o	C	) 1	0	3	0	0	0	0	0	4
0	5	CCTV INSPECTION	CW	S2	03	1,048	1,100	0	0	0	2,148	0	2,148	О	(	0	0	2,148	0	0	0	0	0	2,148
0	8	SPS SCADA UPGRADES - ENGINEERING	CW	S2	04	517	0	0	0	0	517	0	517	o	(	) 42	0	475	0	0	0	0	0	517
0	9	SEWER REHABILITATION	CW	S2	03	23,854	13,836	5,500	4,700	0	47,890	0	47,890	O	(	0	0	47,890	0	0	0	0	0	47,890
0	23	SEWAGE PUMPING STATION STANDBY POWER	CW	S2	02	117	0	0	0	0	117	0	117	0	C	9	0	108	0	0	0	0	0	117
0	24	GROUP 5 SEWAGE PUMPING STATION UPGRADES	CW	S2	05	8,700	4,507	80	0	0	13,287	0	13,287	0	C	1,214	0	12,073	0	0	0	0	0	13,287
0	79	SEWER REHABILITATION - CWD	CW	S2	03	55,323	21,580	2,743	2,743	0	82,389	0	82,389	O	C	0	0	82,389	0	0	0	0	0	82,389
0	98	SEWER REHABILITATION - CWD-CHANGE IN SCOPE	CW	S3	03	-30,270	18,983	49,496	15,000	0	53,209	0	53,209	O	C	0	0	53,209	0	0	0	0	0	53,209
0	99	GROUP 5 SEWAGE PUMPING STATION UPG-CHANGE IN SCOPE	CW	S3	05	-2,254	1,001	1,698	0	0	445	0	445	0	(	818	0	-373	0	0	0	0	0	445
0	100	SEWAGE PUMPING STATION STANDBY POW-CHANGE IN SCOPE	CW	S3	02	-102	103	0	0	0	1	0	1	0	(	8	0	-7	0	0	0	0	0	1
0	101	SPS SCADA UPGRADES - ENGINEERING-CHANGE IN SCOPE	CW	S3	04	-324	69	0	0	0	-255	0	-255	0	(	) -3	0	-252	0	0	0	0	0	-255
0	102	SEWER REHABILITATION-CHANGE IN SCOPE	CW	S3	03	2,860	14,837	6,816	4,300	4,000	32,813	200	33,013	0	(	0	0	33,013	0	0	0	0	0	33,013
0	103	CCTV INSPECTION-CHANGE IN SCOPE		S3	03	68	49	0	0	0	117	0	117	0			0	117	0	0	0	0	0	117
0	105	SEWER REHABILITATION - CUT REPAIRS			03	2,995	4,001	4,001	641	0	11,638	0	11,638	0			0	11,638	0	0	0	0	0	11,638
0	106	GROUPS 2, 3 & 4 SEWAGE PUMPING STA-CHANGE IN SCOPE	CW	S3	03	2	0	0	0	0	2	0	2	0			0	2	0	0	0	0	0	2
		Sub-total				62,538	80,066	70,334	27,384	4,000	244,322	200	244,522	0	(	2,089	0	242,433	0	0	0	0	0	244,522
WA:	S906960	STREAM RESTORATION & EROSION CON	ITRC					·		·										·			Ī	, 7
0	7	STREAM RESTORATION	CW	S2	03	73	0	0	0	0	73	0	73	0	(	6	0	67	0	0	0	0	0	73
0	41	WATERCOURSE - ENGINEERING	CW	S2	03	972	1,300	900	1,040	665	4,877	795	5,672	0	(	441	0	5,231	0	0	0	0	0	5,672

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

A	ppend	uix 6. 2019 Casii Flow aliu Fu	lure	rea		minime	iils iiici	uaing	Carry	-Oi Wai	u Fullu	ilig													
Wa	stew	ater Program																							
							Curre	ent and Fu	ıture Year	Cash Flov	w Commitr	nents			Cu	rrent and Fu	uture Year	Cash Flo	ow Comr	nitments	Financed	d By			
<u>Su</u> Pri		oject No. Project Name ubProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2		Debt - Recoverab t	- 1	Total inancing
WA	S90696	STREAM RESTORATION & EROSION CON	NTRC																						
0	43	PARTNER PROJECTS	CW	S2	03	600	600	200	0	0	1,400	0	1,400	0	(	0 112	0	1,288		0 (	0 0	)	0	0	1,400
0	45	WATERCOURSE - CONSTRUCTION	CW	S4	03	850	5,470	2,045	1,500	1,450	11,315	1,700	13,015	0	(	0 0	0	13,015		0 (	0 0	)	0	0	13,015
0	51	STUDIES, EAs, MASTER PLANS	CW	S2	03	3,017	1,562	593	75	0	5,247	0	5,247	0	(	0 461	0	4,786		0 (	0 0	)	0	0	5,247
0	52	CRITICAL REPAIRS	CW	S2	03	3,159	1,958	2,223	673	548	8,561	30	8,591	0	(	0 668	0	7,923		0 (	0 0	)	0	0	8,591
0	53	EMERGENCY EROSION CONTROL	CW	S2	03	300	300	300	150	0	1,050	0	1,050	0	(	0 84	0	966		0 (	0 0	)	0	0	1,050
0	62	STUDIES, EAS, MASTER PLANS -CHANGE IN SCOPE	E CW	S3	03	-1,770	775	845	275	175	300	75	375	0	(	372	0	3		0 (	0 0	)	0	0	375
0	63	EMERGENCY EROSION CONTROL-CHANGE IN SCOPE	CW	S3	03	2,384	2,572	2,691	2,904	2,710	13,261	615	13,876	0	(	0 -84	0	13,960		0 (	0 0	)	0	0	13,876
0	64	STREAM RESTORATION -CHANGE IN SCOPE	CW	S3	03	-22	0	0	0	0	-22	0	-22	0	(	0 -6	0	-16		0 (	0 0	)	0	0	-22
0	65	CRITICAL REPAIRS-CHANGE IN SCOPE	CW	S3	03	-824	1,416	299	517	-523	885	-5	880	0	(	-668	0	1,548		0 (	0 0	)	0	0	880
0	66	PARTNER PROJECTS-CHANGE IN SCOPE	CW	S3	03	0	0	0	0	0	0	0	0	0	(	0 -112	0	112		0 (	0 0	)	0	0	0
0	67	WATERCOURSE - ENGINEERING-CHANGE IN SCOPE	CW	S3	03	-378	51	753	763	990	2,179	1,415	3,594	0	(	0 -441	0	4,035		0 (	0 0	)	0	0	3,594
		Sub-total Sub-total				8,361	16,004	10,849	7,897	6,015	49,126	4,625	53,751	0	(	0 833	0	52,918		0 (	0 C	0	0	0	53,751
WA	S90696	6 SWM TRCA FUNDING																		-				T	-
0	24	TORONTO WATER TRANSFER TO TRCA CAP-CHANGE IN SCOPE	CW	S3	04	4,491	0	0	0	0	4,491	0	4,491	0	(	0 674	0	3,817		0 (	0 0	)	0	0	4,491
		Sub-total				4,491	0	0	0	0	4,491	0	4,491	0	(	0 674	0	3,817		0 (	0 0	0	0	0	4,491
WA	S90696	8 ENGINEERING																						+	
0	2	CONSULTING FEES	CW	S2	03	16,913	6,921	2,301	1,145	710	27,990	996	28,986	0	(	0 0	0	28,986		0 (	0 0	)	0	0	28,986
0	59	ROAD RESTORATION	CW	S2	03	729	0	0	0	0	729	0	729	0	(	0 0	0	729		0 (	0 0	)	0	0	729
0	70	CONSULTING FEES-CHANGE IN SCOPE	CW	S3	03	-8,509	10,290	21,135	16,976	7,013	46,905	584	47,489	0	(	0 0	0	47,489		0 (	0 0	)	0	0	47,489
0	71	ECS SALARIES-CHANGE IN SCOPE	CW	S3	03	14,491	0	0	0	0	14,491	0	14,491	0	(	0 0	0	14,491		0 (	0 0	)	0	0	14,491
0	72	TW SALARIES-CHANGE IN SCOPE	CW	S3	03	1,089	0	0	0	0	1,089	0	1,089	0	(	0 0	0	1,089		0 (	0 0	)	0	0	1,089
0	73	ROAD RESTORATION-CHANGE IN SCOPE	CW	S3	03	-59	0	0	0	0	-59	0	-59	0	(	0 0	0	-59		0 (	0 0	)	0	0	-59
		Sub-total				24,654	17,211	23,436	18,121	7,723	91,145	1,580	92,725	0	(	0 0	0	92,725		0 (	0 0	0	0	0	92,725
WA	S90697	3 SEWER REPLACEMENT PROGRAM																							
0	25	2012 SEWER REPLC	CW	S2	03	325	0	0	0	0	325	0	325	0	(	0 0	0	325		0 (	0 0	)	0	0	325

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Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

					Ì		Curr	ent and Fu	ıture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		j <u>ect No.</u> <u>Project Name</u> Proj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total Financing
WAS	906973	SEWER REPLACEMENT PROGRAM																						
0	35	2013 SEWER REPLC	CW	S2	03	10	0	0	0	0	10	0	10	0	0	1	0	9	0	0	0	0	0	10
0	36	SEWER REPLC - 2014 PROGRAM	CW	S2	03	28	0	0	0	0	28	0	28	0	0	2	0	26	0	0	0	0	0	28
0	46	WATERFRONT STORMWATER INFRASTRUCTURE	CW	S2	04	3,250	0	0	0	0	3,250	0	3,250	0	0	2,017	0	1,233	0	0	0	0	0	3,250
0	47	EBF REPORT	CW	S2	04	1,070	0	0	0	0	1,070	0	1,070	0	0	701	0	369	0	0	0	0	0	1,070
0	52	SEWER REPLACEMENT - METROLINX	CW	S2	03	1,213	1,966	1,916	800	0	5,895	0	5,895	0	0	0	0	5,895	0	0	0	0	0	5,895
0	62	SEWER REPLC - 2015 PROGRAM	CW	S2	03	604	0	0	0	0	604	0	604	0	0	48	0	556	0	0	0	0	0	604
0	71	SEWER REPLC - 2016 PROGRAM	CW	S2	03	3,694	0	0	0	0	3,694	0	3,694	0	0	297	0	3,397	0	0	0	0	0	3,694
0	75	FORCEMAIN REPLACEMENT - 2016	CW	S2	03	10,354	10,514	47	0	0	20,915	0	20,915	0	0	0	0	20,915	0	0	0	0	0	20,915
0	78	SEWER REPLC - 2017 PROGRAM	CW	S2	03	879	60	0	0	0	939	0	939	0	0	75	0	864	0	0	0	0	0	939
0	79	SEWER REPLC - 2018 PROGRAM	CW	S2	03	1,938	2,820	129	30	0	4,917	0	4,917	0	0	393	0	4,524	0	0	0	0	0	4,917
0	98	SEWER REPLC - 2019 PROGRAM	CW	S2	03	18,382	5,927	2,491	0	0	26,800	0	26,800	0	0	2,158	0	24,642	0	0	0	0	0	26,800
0	100	CSP RENEWAL	CW	S2	03	5,812	1,019	0	0	0	6,831	0	6,831	0	0	543	0	6,288	0	0	0	0	0	6,831
0	102	SEWER REPLC - 2016 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-3,465	1,947	0	0	0	-1,518	0	-1,518	О	0	-129	0	-1,389	0	0	0	0	0	-1,518
0	103	SEWER REPLC - 2017 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-721	154	0	0	0	-567	0	-567	0	0	-47	0	-520	0	0	0	0	0	-567
0	104	SEWER REPLC - 2018 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-1,427	-2,420	321	-30	0	-3,556	0	-3,556	0	0	-288	0	-3,268	0	0	0	0	0	-3,556
0	105	SEWER REPLC - 2019 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-9,821	6,660	15,588	4,712	2,469	19,608	100	19,708	0	0	-130	0	19,838	0	0	0	0	0	19,708
0	106	2012 SEWER REPLC-CHANGE IN SCOPE	CW	S3	03	-320	225	0	0	0	-95	0	-95	0	0	0	0	-95	0	0	0	0	0	-95
0	107	CSP RENEWAL-CHANGE IN SCOPE	CW	S3	03	-1,639	659	400	0	0	-580	0	-580	0	0	-62	0	-518	0	0	0	0	0	-580
0	108	EBF REPORT-CHANGE IN SCOPE	CW	S3	04	-521	1,000	0	0	0	479	0	479	0	0	43	0	436	0	0	0	0	0	479
0	109	WATERFRONT STORMWATER INFRASTRUCTU-CHANGE IN SCOPE	CW	S3	04	-2,250	825	0	0	0	-1,425	0	-1,425	0	0	-1,139	0	-286	0	0	0	0	0	-1,425
0	110	SEWER REPLC - 2014 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-9	0	0	0	0	-9	0	-9	0	0	-1	0	-8	0	0	0	0	0	-9
0	111	SEWER REPLC - 2015 PROGRAM-CHANGE IN SCOPE	CW	S3	03	-394	150	0	0	0	-244	0	-244	0	0	-20	0	-224	0	0	0	0	0	-244
0	114	SEWER REPLACEMENT - METROLINX-CHANGE IN SCOPE	CW	S3	03	-600	291	241	0	0	-68	0	-68	0	0	0	0	-68	0	0	0	0	0	-68

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							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and F	uture Year	Cash Flo	w Commi	itments F	inanced	Ву		
Cuk	Dro	oject No. Project Name			İ						Total	Total	Total					_	Capital				Debt -	
Sub Prio		bProj No. Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023		2024-2028		Provincial Grants and Subsidies	Federal D Subsidy	Development Charges	Reserves	Reserve Funds	from Current	Other 1	Other2		overable	Total Financing
	_	SEWER REPLACEMENT PROGRAM												Cubsidies										J
0	115	FORCEMAIN REPLACEMENT - 2016-CHANGE IN SCOPE	CW	S3	03	-6,680	-3,231	5,635	5,000	0	724	0	724	0	0	0	0	724	0	0	0	0	0	724
		Sub-total			l	19,712	28,566	26,768	10,512	2,469	88,027	100	88,127	0	0	4,462	0	83,665	0	0	0	0	C	88,127
WAS	906980	ASHBRIDGES BAY T.P. YR2006																						
0	9	DEWATERING EQUIPMENT UPGRADES	CW	S2	03	100	0	0	0	0	100	0	100	0	0	8	0	92	0	0	0	0	0	100
0	45	DEWATERING EQUIPMENT UPGRADES-CHANGE IN SCOPE	CW	S3	03	1	0	0	0	0	1	0	1	0	0	7	0	-6	0	0	0	0	0	1
		Sub-total				101	0	0	0	0	101	0	101	0	0	15	0	86	0	0	0	0	C	101
WAS	906981	HIGHLAND CREEK WWTP UPGRADES																						
0	1	PROCESS & FACILITY UPGRADE	CW	S2	04	2,598	1,607	1,650	1,600	85	7,540	0	7,540	0	0	0	0	7,540	0	0	0	0	0	7,540
0	3	BIOSOLIDS TREATMENT UPGRADES	CW	S2	03	299	31	0	0	0	330	0	330	0	0	31	0	299	0	0	0	0	0	330
0	5	TRANSFORMERS AND SWITCHGEAR	CW	S2	05	198	800	500	0	0	1,498	0	1,498	0	0	120	0	1,378	0	0	0	0	0	1,498
0	7	MECH & ELECTRICAL UPGRADE ENGINEERING	CW	S2	03	60	0	0	0	0	60	0	60	0	0	0	0	60	0	0	0	0	0	60
0	8	DIGESTER GAS SYSTEM UPGRADES	CW	S2	03	3,668	5,482	0	0	0	9,150	0	9,150	0	0	0	0	9,150	0	0	0	0	0	9,150
0	23	ELECTRICAL UPGRADES - ECAR	CW	S2	03	5,122	0	0	0	0	5,122	0	5,122	0	0	0	0	5,122	0	0	0	0	0	5,122
0	32	CEPA COMPLIANCE - CL NOTICE - HCTF	cw	S2	02	5,561	8,900	8,532	50	0	23,043	0	23,043	0	0	0	0	23,043	0	0	0	0	0	23,043
0	80	DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-7	CW	S2	03	189	46	15	14	0	264	0	264	0	0	0	0	264	0	0	0	0	0	264
0	92	LIQUID TRAIN REPAIRS - PHASE 1	CW	S2	03	36,371	35,040	19,000	10,000	0	100,411	0	100,411	0	0	0	0	100,411	0	0	0	0	0	100,411
0	102	LIQUID TRAIN - ENGINEERING	CW	S2	03	4,155	5,400	5,100	2,640	2,640	19,935	26,947	46,882	0	0	0	0	46,882	0	0	0	0	0	46,882
0	123	COMMUNICATION SYSTEM	CW	S2	04	600	2,250	2,220	20	10	5,100	0	5,100	0	0	0	0	5,100	0	0	0	0	0	5,100
0	152	DIGESTER CLEANING, REHAB AND IMPRO-CHANGE IN SCOPE	CW	S3	03	341	-16	52	-14	0	363	0	363	0	0	0	0	363	0	0	0	0	0	363
0	153	LIQUID TRAIN REPAIRS - PHASE 1-CHANGE IN SCOPE	CW	S3	03	-33,451	-7,110	8,650	21,817	36,150	26,056	19,690	45,746	0	0	0	0	45,746	0	0	0	0	0	45,746
0	154	BIOSOLIDS TREATMENT UPGRADES -CHANGE IN SCOPE	CW	S3	03	-240	290	0	0	0	50	0	50	0	0	26	0	24	0	0	0	0	0	50
0	155	DIGESTER GAS SYSTEM UPGRADES-CHANGE IN SCOPE	CW	S3	03	432	-347	13	0	0	98	0	98	0	0	0	0	98	0	0	0	0	0	98
0	156	TRANSFORMERS AND SWITCHGEAR-CHANGE IN SCOPE	CW	S3	05	2	0	0	0	0	2	0	2	0	0	102	0	-100	0	0	0	0	0	2
0	157	PROCESS & FACILITY UPGRADE-CHANGE IN SCOPE	CW	S3	04	-1,644	766	-45	-44	1,515	548	1,035	1,583	0	0	0	0	1,583	0	0	0	0	0	1,583

## **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

															7										
					Current and Future Year Cash Flow Commitments								Current and Future Year Cash Flow Commitments Financed By												
Sub-		j <u>ect No.    Project Name</u> Proj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	able	Total Financing	
WAS906981 HIGHLAND CREEK WWTP UPGRADES													Cubsidies									$\exists$			
0	158	ELECTRICAL UPGRADES - ECAR-CHANGE IN SCOPE	CW	S3	03	-4,692	46	0	0	0	-4,646	0	-4,646	0	0	0	0	-4,646	0	0	0	0	0	-4,646	
0	159	LIQUID TRAIN - ENGINEERING-CHANGE IN SCOPE	CW	S3	03	-1,705	115	50	700	0	-840	2,509	1,669	0	0	0	0	1,669	0	0	0	0	0	1,669	
0	161	MECH & ELECTRICAL UPGRADE ENGINEER-CHANGE IN SCOPE	CW	S3	03	-60	0	0	0	0	-60	0	-60	0	0	0	0	-60	0	0	0	0	0	-60	
0	162	CEPA COMPLIANCE - CL NOTICE - HCTP-CHANGE IN SCOPE	CW	S3	02	-4,661	-2,673	-32	7,406	37	77	37	114	0	0	0	0	114	0	0	0	0	0	114	
0	163	COMMUNICATION SYSTEM-CHANGE IN SCOPE	CW	S3	04	-250	-1,930	-1,270	3,330	490	370	0	370	0	0	0	0	370	0	0	0	0	0	370	
		Sub-total				12,893	48,697	44,435	47,519	40,927	194,471	50,218	244,689	0	0	279	0	244,410	0	0	0	0	0	244,689	
WAS906982 HUMBER WWTP UPGRADES																						1			
0	2	CHLORINE FACILITY UPGRADE	CW	S2	01	718	0	0	0	0	718	0	718	0	0	0	0	718	0	0	0	0	0	718	
0	6	NEW SUBSTATION	CW	S2	03	77	0	0	0	0	77	0	77	0	0	0	0	77	0	0	0	0	0	77	
0	7	ELECTRICAL CONDITION ASSESSMENT RECOMMENDATIONS	CW	S2	01	2,285	23	23	0	0	2,331	0	2,331	0	0	0	0	2,331	0	0	0	0	0	2,331	
0	29	ADMIN BUILDING EXPANSION - ENGINEERING	CW	S2	04	710	800	454	427	0	2,391	0	2,391	0	0	0	0	2,391	0	0	0	0	0	2,391	
0	52	HVAC UPGRADES	CW	S2	03	5,978	2,322	17	0	0	8,317	0	8,317	0	0	0	0	8,317	0	0	0	0	0	8,317	
0	81	BLOWER REPLACEMENT	CW	S2	03	5	0	0	100	200	305	12,550	12,855	0	0	0	0	12,855	0	0	0	0	0	12,855	
0	82	DIGESTERS CLEANING REHAB	CW	S2	04	5,400	6,500	6,000	4,000	3,000	24,900	0	24,900	0	0	0	0	24,900	0	0	0	0	0	24,900	
0	95	REPLACEMENT OF WASTE GAS BURNERS	CW	S2	03	8,211	5,500	2,770	40	0	16,521	0	16,521	0	0	0	0	16,521	0	0	0	0	0	16,521	
0	99	WET WEATHER FLOW	CW	S2	04	540	600	2,500	4,750	4,500	12,890	0	12,890	0	0	0	0	12,890	0	0	0	0	0	12,890	
0	107	MESI UPGRADES	CW	S2	03	600	500	500	500	0	2,100	0	2,100	0	0	0	0	2,100	0	0	0	0	0	2,100	
0	114	FIELD OFFICE	CW	S2	03	324	0	0	0	0	324	0	324	0	0	0	0	324	0	0	0	0	0	324	
0	115	ADMIN BUILDING EXPANSION - CONSTRUCTION	CW	S2	03	1,568	1,500	1,500	1,550	0	6,118	0	6,118	0	0	0	0	6,118	0	0	0	0	0	6,118	
0	116	SERVICE REHAB AND UPGRADES	CW	S2	03	600	500	2,500	4,750	4,500	12,850	0	12,850	0	0	0	0	12,850	0	0	0	0	0	12,850	
0	129	ELECTRICAL CONDITION ASSESSMENT RE-CHANGE IN SCOPE	CW	S3	01	-2,200	2,167	1	0	0	-32	0	-32	0	0	0	0	-32	0	0	0	0	0	-32	
0	130	ADMIN BUILDING EXPANSION - CONSTRU-CHANGE IN SCOPE	CW	S3	03	-168	-400	-400	600	0	-368	0	-368	0	0	0	0	-368	0	0	0	0	0	-368	
0	131	ADMIN BUILDING EXPANSION - ENGINEE-CHANGE IN SCOPE	CW	S3	04	69	-195	-105	-400	0	-631	0	-631	0	0	0	0	-631	0	0	0	0	0	-631	
0	132	CHLORINE FACILITY UPGRADE-CHANGE IN SCOPE	CW	S3	01	-718	0	0	0	0	-718	0	-718	0	0	0	0	-718	0	0	0	0	0	-718	
<u></u>																									

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#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

· · · ·	o to vv c	iter Program																							
								Curre	ent and Fu	ture Year	Cash Flov	w Commitm	nents			Cur	rent and Fut	ture Year	Cash Flo	w Commi	tments F	inanced E	Ву		
<u>Sub</u> Prio		<u>ject No.</u> <u>Project Na</u> Proj No. Sub-projec		Ward :	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges F	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt		Total nancing
		HUMBER WWTP UPG													Cubolaloo										
0	133	DIGESTERS CLEANIN	NG REHAB-CHANGE	CW	S3	04	-2,400	0	1,000	1,500	0	100	0	100	0	0	0	0	100	0	0	0	0	0	100
0	134	MESI UPGRADES-CH	ANGE IN SCOPE	CW	S3	03	-49	53	55	56	0	115	0	115	0	0	0	0	115	0	0	0	0	0	115
0	136	SECURITY UPGRADE	S	CW	S4	01	250	2,950	400	0	0	3,600	0	3,600	0	0	0	0	3,600	0	0	0	0	0	3,600
0	137	NEW SUBSTATION-C	HANGE IN SCOPE	CW	S3	03	29	45	0	0	0	74	0	74	0	0	0	0	74	0	0	0	0	0	74
0	138	FLOOD PROTECTION	I-CHANGE IN SCOPE	E CW	S3	02	300	275	0	0	0	575	0	575	0	0	0	0	575	0	0	0	0	0	575
0	139	HVAC UPGRADES-CH	HANGE IN SCOPE	CW	S3	03	-2,038	-56	2,442	0	0	348	0	348	0	0	0	0	348	0	0	0	0	0	348
0	140	BLOWER REPLACEM SCOPE		CW			0	30	0	0	0	30	0	30	0	0		0	30	0	0	0	0	0	30
0	141	FIELD OFFICE-CHAN		CW			-67	110	0	0	0	43	0	43	0	0		0	43	0	0		0	0	43
0	142	REPLACEMENT OF WEBURNERS-CHANGE I	N SCOPE	CW		03	-4,753	600	4,150	288	0	285	0	285	0	0		0	285	0	0		0	0	285
0	143	WET WEATHER FLOV SCOPE SERVICE REHAB AND		CW			-490 0	87 400	-2,000 3,800	-1,000 3,350	3,600	-3,403 11,150	3,500 5,450	97 16,600	0	0		0	97 16,600	0	0		0	0	97
U	144	UPGRADES-CHANGE Sub-total		CVV	33	03	14,781	24,311	25,607	20,511	15,800	101,010	21,500	122,510	0	0			122,510	0	0		0		122,510
		oub total					14,701	24,011	20,007	20,011	10,000	101,010	21,000	122,010					122,010					<u> </u>	22,010
WAS	906994	HIGHLAND CREEK W	WTP - SOLIDS & GA	AS HA																					
0	1	HIGHLAND CREEK W IMPLEMENTATION	WTP - BMP	CW	S2	04	3,220	3,000	2,200	2,000	2,000	12,420	4,450	16,870	0	0	1,407	0	15,463	0	0	0	0	0	16,870
0	3	WAS THICKENING - C	CONSTR	CW	S2	03	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1
0	8	HIGHLAND CREEK W IMPLEMENTATION	WTP - BMP	CW	S2	04	78	3,000	25,000	25,000	25,000	78,078	28,920	106,998	0	0	8,611	0	98,387	0	0	0	0	0 1	106,998
0	22	HIGHLAND CREEK W IMPLEMEN-CHANGE	IN SCOPE	CW		04	-1,170	-400	1,560	100	0	90	1,140	1,230	0	0	•	0	-41	0	0		0	0	1,230
0	23	HIGHLAND CREEK W IMPLEMEN-CHANGE		CW	S3	04	5,922	1,000	-16,500	-4,410	-5,000	-18,988	19,000	12	0			0		0	0		0	0	12
		Sub-total					8,051	6,600	12,260	22,690	22,000	71,601	53,510	125,111	0	0	18,512	0	106,599	0	0	0	0	0 1	125,111
WAS	907038	Land Acquisition for Sc	ource Water Protect																						
0	25	TRCA - SCARBOROU WEST EA	GH WATERFRONT	CW	S2	04	800	0	0	0	0	800	0	800	0	0	64	0	736	0	0	0	0	0	800
0	33	TRCA - SCARBOROU WEST-CHANGE IN SC		CW	S3	04	0	0	0	0	0	0	0	0	0	0	54	0	-54	0	0	0	0	0	0
0	34	TRCA - CRITICAL ERO SITES-CHANGE IN SO		CW	S3	04	9,500	0	0	0	0	9,500	0	9,500	0			0		0			0	0	9,500
		Sub-total					10,300	0	0	0	0	10,300	0	10,300	0	0	118	0	10,182	0	0	0	0	0	10,300
WAS	907097	ASHBRIDGES BAY W	WTP - BUILDING SE	RVIC																					

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#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cur	rent and Future \	Year C	Cash Flo	w Commi	itments F	inanced	Ву		
<u>Sub</u> Prio		<u>oject No.    Project Name</u> oProj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges Reser	R ves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recovera Debt	- 1	Total Financing
WAS	907097	ASHBRIDGES BAY WWTP - BUILDING S	ERVIC																					
0	7	CONTROLLED SUBSTANCE IDENTIFICATION AND ABATEMENT	CW	S2	02	100	100	0	0	0	200	0	200	0	0	0	0	200	0	0	0	0	0	200
0	19	BIO GAS UTILIZATION	CW	S2	04	850	1,000	1,000	2,000	2,000	6,850	1,150	8,000	0	0	0	0	8,000	0	0	0	0	0	8,000
0	21	BLOWER BLDG & OLD NORTH SUBSTATION IMPROVEMENTS	14	S2	04	6,321	5,474	23	0	0	11,818	0	11,818	0	0	0	0	11,818	0	0	0	0	0	11,818
0	64	GROVE LANDSCAPING - PHASE 1	CW	S2	04	117	7	0	0	0	124	0	124	0	0	0	0	124	0	0	0	0	0	124
0	68	BLOWER BLDG & OLD NORTH SUBSTATION-CHANGE IN SCOPE	14	S3	04	-3,956	-1,699	3,690	0	0	-1,965	0	-1,965	0	0	0	0	-1,965	0	0	0	0	0	-1,965
0	69	BIO GAS UTILIZATION-CHANGE IN SCOPE	CW	S3	04	-800	-800	-200	-1,000	-1,000	-3,800	4,000	200	0	0	0	0	200	0	0	0	0	0	200
0	70	CONTROLLED SUBSTANCE IDENTIFICATIO-CHANGE IN SCOPE	CW	S3	02	-100	-100	0	0	0	-200	0	-200	0	0	0	0	-200	0	0	0	0	0	-200
0	71	GROVE LANDSCAPING - PHASE 1-CHANGE IN SCOPE	CW	S3	04	-7	0	0	0	0	-7	0	-7	0	0	0	0	-7	0	0	0	0	0	-7
		Sub-total				2,525	3,982	4,513	1,000	1,000	13,020	5,150	18,170	0	0	0	0	18,170	0	0	0	0	0	18,170
WAS	907098	ASHBRIDGES BAY WWTP - EFFLUENT S	SYSTE																				1	
0	1	DISINFECTION ENGINEERING	CW	S2	02	4,900	1,550	1,075	492	75	8,092	58	8,150	0	0	657	0	7,493	0	0	0	0	0	8,150
0	2	OUTFALL CONSTRUCTION	CW	S2	02	30,000	52,000	57,000	62,000	52,000	253,000	69,000	322,000	0	0	25,914	0 2	296,086	0	0	0	0	0	322,000
0	13	OUTFALL ASSESSMENT	CW	S2	02	57	0	0	0	0	57	0	57	0	0	5	0	52	0	0	0	0	0	57
0	14	OUTFALL ENGINEERING	CW	S2	02	5,730	5,863	3,400	2,500	3,100	20,593	4,419	25,012	0	0	2,012	0	23,000	0	0	0	0	0	25,012
0	15	DISINFECTION SYSTEM CONSTRUCTION	ON CW	S2	02	89,633	70,135	50,000	41,000	0	250,768	0	250,768	0	0	21,497	0 2	229,271	0	0	0	0	0	250,768
0	31	OUTFALL - SITE PREP	CW	S2	02	31	0	0	0	0	31	0	31	0	0	5	0	26	0	0	0	0	0	31
0	37	OUTFALL ASSESSMENT-CHANGE IN SCOPE	CW	S3	02	-57	0	0	0	0	-57	0	-57	0	0	-5	0	-52	0	0	0	0	0	-57
0	38	DISINFECTION SYSTEM CONSTRUCTION-CHANGE IN SCOPE	CW	S3	02	-54,498	-20,000	8,135	4,435	0	-61,928	0	-61,928	0	0	6,445	0	-68,373	0	0	0	0	0	-61,928
0	39	DISINFECTION ENGINEERING-CHANGE IN SCOPE	CW	S3	02	-3,006	1,131	1,000	1,000	0	125	0	125	0	0	568	0	-443	0	0	0	0	0	125
0	40	OUTFALL CONSTRUCTION-CHANGE IN SCOPE	CW	S3	02	5,000	8,500	8,000	-11,959	-6,959	2,582	-51,982	-49,400	0	0	14,421	0	-63,821	0	0	0	0	0	-49,400
0	41	OUTFALL ENGINEERING-CHANGE IN SCOPE	CW	S3	02	-2,604	-2,563	-500	400	1,000	-4,267	4,053	-214	0	0	1,658	0	-1,872	0	0	0	0	0	-214
		Sub-total				75,186	116,616	128,110	99,868	49,216	468,996	25,548	494,544	0	0	73,177	0 4	421,367	0	0	0	0	0	494,544
WAS	907099	ASHBRIDGES BAY WWTP - LIQUID TREA	ATME1																				$\top$	
0	1	FINE BUBBLE AERATION - TANK #2	CW	S2	03	316	0	0	0	0	316	0	316	0	0	25	0	291	0	0	0	0	0	316

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#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Total I Tatal I Tatal II			ced B	Financ	itments	w Comm	Cash Flo	iture Year	ent and Fu	Curr			nents	w Commitr	Cash Flo	uture Year	ent and Fu	Curr								
MASSISTITUTE   ASSISTITUTE   ASSISTITUTE   CALIFORNIA	erable Total	Debt - Recoverab		011	011 4	from		Reserves	evelopment	Federal D	Grants and				2022	2000	0004	2020	2040		<b>.</b>					_
PRINCE NAME OF PRINCE PLANTING CRITICAL CW S2 03 10,827 0 10,827 0 10,827 0 10,827 0 10,827 0 0 0,392 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Financing	Debt	er2 L	Otne	Other 1	Current	runus	110001100	Charges	Subsidy	Subsidies	2019-2028	2024-2028	2019-2023	2023	2022	2021	2020	2019	. Cat.	Stat.					
REPAIRS  1 0 10 INTEGRATED PUMPING STATION (IPS) - CW S2 03	0 10,627	0	0	0	(	0	9,392	0	1,235	0	0	10,627	0	10,627	0	0	0	0	10,627	03	S2	CW	VORKS UPGRADE	P BLDG HEA	) 3	0
ENOINEERING  3 93 INTEGRATED PLUMPING STATION (PIPS) - CW S2 03 19,220 26,556 47,000 25,025 65,000 182,795 197,856 380,645 0 0 225 0 380,420 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,085	0	0	0	(	0	2,085	0	0	0	0	2,085	0	2,085	0	0	0	0	2,085	03	S2	CW	STATION CRITICAL		) 6	0
CONSTRUCTION  The Bubble Aeration - Engineering CW S2 03 449 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 35,841	0	0	0	(	0	35,841	0	0	0	0	35,841	14,496	21,345	2,210	2,705	5,823	4,763	5,844	03	S2	CW	PUMPING STATION (IPS) -		) 10	0
0 84 AERATION TANK 12 8 13 CW 84 05 50 4,000 4,450 7,800 38,000 55,300 101,850 157,150 0 0 38,550 0 118,600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 380,645	0	0	0	(	0	380,420	0	225	0	0	380,645	197,850	182,795	65,000	25,025	47,000	26,550	19,220	03	S2	CW			39	0
New Notice   New	0 10,949	0	0	0	(	0	10,046	0	903	0	0	10,949	10,500	449	0	0	0	0	449	03	S2	CW	ERATION - ENGINEERING	7 FINE BUBBL	) 77	0
-CHANGE IN SCOPE  0 90 INTEGRATED PUMPING STATION (IPS) CW S3 03 -815 870 500 0 0 555 75 630 0 0 5,471 0 -4,841 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 157,150	0	0	0	(	0	118,600	0	38,550	0	0	157,150	101,850	55,300	39,000	7,800	4,450	4,000	50	05	S4	CW	K 12 & 13	4 AERATION T	84	0
-CHANGE IN SCOPE  0 91 M & T PUMPING STATION CRITICAL CW S3 03 -1.235 1.417 0 0 0 182 0 182 0 0 0 0 182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 248,719	0	0	0	(	0	155,821	0	92,898	0	0	248,719	85,650	163,069	15,000	74,275	45,465	27,350	979	03	S3	CW			89	0
REP-CHANGE IN SCOPE  0 92 FINE BUBBLE AERATION - CHANGE IN SCOPE  0 93 FINE BUBBLE AERATION - TANK CW S3 03  1 74 0 0 0 0 75 3,000 3,075  0 94 PIBLOG HEADWORKS UPGRADE- CHANGE IN SCOPE  3 22 WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03  2 40 0 40 0 400 400 400 0 1,622 0 1,622  0 8 BIOSOLIDS PELLETIZER RETROFIT CW S2 03 36,485  0 2 5 PELLETIZER TRUCK LOADING FACILITY CW S2 03 966 695 820 55 55 2,593  0 17 74 0 0 0 75 3,000 3,075  0 0 1,173 0 1,173 0 1,1902 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 630	0	0	0	(	0	-4,841	0	5,471	0	0	630	75	555	0	0	500	870	-815	03	S3	CW			90	0
ENGINEERING-CHANGE IN SCOPE  0 93 FINE BUBBLE ARRATION - TANK CW S3 03 -316 0 0 0 -316 0 -316 0 0 -316 0 0 -25 0 -291 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182	0	0	0	(	0	182	0	0	0	0	182	0	182	0	0	0	1,417	-1,235	03	S3	CW			91	0
#2-CHANGE IN SCOPE   P.BLIDG HEADWORKS   CW   S3   O3   -4,992   6,727   O   O   O   1,735   O   1,735   O   O   619   O   1,116   O   O   O   O   O	0 3,075	0	0	0	(	0	1,902	0	1,173	0	0	3,075	3,000	75	0	0	0	74	1	03	S3	CW			92	0
UPGRADE-CHANGE IN SCOPE   Sub-total   32,213   71,751   103,238   109,805   121,210   438,217   413,421   851,638   0   0   141,074   0   710,564   0   0   0   0	0 -316	0	0	0	(	0	-291	0	-25	0	0	-316	0	-316	0	0	0	0	-316	03	S3	CW			93	0
WAS907100       ASHBRIDGES BAY WWTP - SOLIDS & GAS HA         0       3       WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03       2,788 2,500 2,500 2,000 500 10,288 304 10,592 0 0 871 0 9,721 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1,735	0	0	0	(	0	1,116	0	619	0	0	1,735	0	1,735	0	0	0	6,727	-4,992	03	S3	CW			94	0
0 3 WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03 2,788 2,500 2,500 2,000 500 10,288 304 10,592 0 0 871 0 9,721 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 851,638	0	0	0	(	0	710,564	0	141,074	0	0	851,638	413,421	438,217	121,210	109,805	103,238	71,751	32,213				o-total	5		
ENGINEERING  0 4 DIGESTERS 9-12 REFURBISH CW S2 03 21,933 10,767 6,485 12 80 39,277 0 39,277 0 0 0 0 3,563 0 35,714 0 0 0 0  8 BIOSOLIDS PELLETIZER RETROFIT CW S2 03 422 400 400 400 0 1,622 0 1,622 0 0 0 0 0 1,622 0 0 0 0  0 22 WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03 36,485 35,000 35,000 30,000 20,000 156,485 0 156,485 0 156,485 0 0 12,637 0 143,848 0 0 0 0 0  0 25 PELLETIZER TRUCK LOADING FACILITY CW S2 03 968 695 820 55 55 2,593 0 2,593 0 0 0 0 0 0 2,593 0 0 0 0 0 0 143,848  0 52 PRIMARY SLUDGE BUFFER TANK AND CW S4 04 50 200 1,975 3,200 350 5,775 65 5,840 0 0 0 0 5,840 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																						S HA	BAY WWTP - SOLIDS & GAS	7100 ASHBRIDGE	AS907	WA
0 8 BIOSOLIDS PELLETIZER RETROFIT CW S2 03 422 400 400 400 0 1,622 0 1,622 0 0 0 0 0 1,622 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 10,592	0	0	0	(	0	9,721	0	871	0	0	10,592	304	10,288	500	2,000	2,500	2,500	2,788	03	S2	CW	TED SLUDGE UPGRADE -		3	0
0 22 WASTE ACTIVATED SLUDGE UPGRADE - CW S2 03 36,485 35,000 35,000 30,000 20,000 156,485 0 156,485 0 0 12,637 0 143,848 0 0 0 0 0 0 CONSTRUCTION  0 25 PELLETIZER TRUCK LOADING FACILITY CW S2 03 968 695 820 55 55 2,593 0 2,593 0 0 0 0 0 0 2,593 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 39,277	0	0	0	(	0	35,714	0	3,563	0	0	39,277	0	39,277	80	12	6,485	10,767	21,933	03	S2	CW	12 REFURBISH	DIGESTERS	) 4	0
CONSTRUCTION  0 25 PELLETIZER TRUCK LOADING FACILITY CW S2 03 968 695 820 55 55 2,593 0 2,593 0 0 0 0 0 2,593 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1,622	0	0	0	(	0	1,622	0	0	0	0	1,622	0	1,622	0	400	400	400	422	03	S2	CW	LLETIZER RETROFIT	BIOSOLIDS	8 (	0
UPGRADES  0 52 PRIMARY SLUDGE BUFFER TANK AND CW S4 04 50 200 1,975 3,200 350 5,775 65 5,840 0 0 0 0 5,840 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 156,485	0	0	0	(	0	143,848	0	12,637	0	0	156,485	0	156,485	20,000	30,000	35,000	35,000	36,485	03	S2	CW			) 22	0
HEAT RECOVERY	0 2,593	0	0	0	(	0	2,593	0	0	0	0	2,593	0	2,593	55	55	820	695	968	03	S2	CW	RUCK LOADING FACILITY		) 25	0
0 53 PELLETIZER FACILITY CW S4 03 800 2,000 2,000 2,500 400 7,700 97,850 105,550 0 0 0 0 105,550 0 0 0	0 5,840	0	0	0	(	0	5,840	0	0	0	0	5,840	65	5,775	350	3,200	1,975	200	50	04	S4	CW			52	0
	0 105,550	0	0	0	(	0	105,550	0	0	0	0	105,550	97,850	7,700	400	2,500	2,000	2,000	800	03	S4	CW	ACILITY	3 PELLETIZER	53	0
0 56 WASTE ACTIVATED SLUDGE UPGRADE - CW S3 03 -31,485 3,000 7,000 15,000 22,000 15,515 0 15,515 0 0 12,812 0 2,703 0 0 0 0 C-CHANGE IN SCOPE	0 15,515	0	0	0	(	0	2,703	0	12,812	0	0	15,515	0	15,515	22,000	15,000	7,000	3,000	-31,485	03	S3	CW			56	0
0 57 WASTE ACTIVATED SLUDGE UPGRADE - CW S3 03 -1,288 -1,000 0 500 1,500 -288 0 -288 0 0 675 0 -963 0 0 0 0 0 E-CHANGE IN SCOPE	0 -288	0	0	0	(	0	-963	0	675	0	0	-288	0	-288	1,500	500	0	-1,000	-1,288	03	S3	CW			57	0
0 58 DIGESTERS 9-12 REFURBISH-CHANGE CW S3 03 -12,123 4,243 9,945 1,261 0 3,326 0 0 2,741 0 585 0 0 0 0 0 1 N SCOPE	0 3,326	0	0	0	(	0	585	0	2,741	0	0	3,326	0	3,326	0	1,261	9,945	4,243	-12,123	03	S3	CW	12 REFURBISH-CHANGE		58	0

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	ıture Year	Cash Flo	w Commitm	nents			Cur	rent and Fu	ıture Year	Cash Flov	v Commi	tments F	inanced	Ву		
Sub- F	Project No.	Project Name			Ī						Total	Total	Total	Provincial	Endoral			Reserve	Capital from			Debt Recover		Total
	SubProj No.	Sub-project Name V	Vard	Stat.	Cat.	2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028	Grants and Subsidies	Subsidy	Development Charges	Reserves	Funds	Current	Other 1	Other2			Financing
WAS9071	00 ASHBRID	GES BAY WWTP - SOLIDS & GAS	S HA																					
0 59		OS PELLETIZER T-CHANGE IN SCOPE	CW	S3	03	-22	0	0	-236	0	-258	0	-258	0	0	0	0	-258	0	0	0	0	0	-258
0 60		ZER TRUCK LOADING FACILITY E IN SCOPE	CW	S3	03	-468	348	0	0	60	-60	125	65	0	0	0	0	65	0	0	0	0	0	65
		Sub-total			Ī	18,060	58,153	66,125	54,692	44,945	241,975	98,344	340,319	0	0	33,299	0	307,020	0	0	0	0	0	340,319
WAS9071	01 ASHBRID	GES BAY WWTP - O&M UPGRAD	<u>ES</u>		ŀ																		$\exists$	
0 5	BOILER #	44 DESIGN	CW	S2	03	6	0	0	0	0	6	0	6	0	0	0	0	6	0	0	0	0	0	6
0 6	MESI UP	GRADES	CW	S2	03	2,962	3,000	0	0	0	5,962	0	5,962	0	0	0	0	5,962	0	0	0	0	0	5,962
0 7	MISC ME	CH REHAB	CW	S2	03	3,184	0	0	0	0	3,184	0	3,184	0	0	0	0	3,184	0	0	0	0	0	3,184
0 38	MISC ME	CH REHAB-CHANGE IN SCOPE	CW	S3	03	-1,567	1,600	0	0	0	33	0	33	0	0	0	0	33	0	0	0	0	0	33
0 39	MESI UP	GRADES-CHANGE IN SCOPE	CW	S3	03	0	0	3,100	3,200	3,200	9,500	0	9,500	0	0	0	0	9,500	0	0	0	0	0	9,500
		Sub-total			Ī	4,585	4,600	3,100	3,200	3,200	18,685	0	18,685	0	0	0	0	18,685	0	0	0	0	0	18,685
WAS9071	02 ASHBRID	GES BAY WWTP - ODOUR CONT	ROL		-																		T	
0 6	BIOFILTE	RS UPGRADE & REPLACEMENT	CW	S2	03	3,399	850	72	0	0	4,321	0	4,321	0	0	365	0	3,956	0	0	0	0	0	4,321
0 13	D BUILDI	NG TREATMENT & BIOFILTER	CW	S2	03	656	0	0	0	0	656	0	656	0	0	64	0	592	0	0	0	0	0	656
0 42		NG TREATMENT & R-CHANGE IN SCOPE	CW	S3	03	-156	197	0	0	0	41	0	41	0	0	41	0	0	0	0	0	0	0	41
0 43		RS UPGRADE & EMENT-CHANGE IN SCOPE	CW	S3	03	-907	700	0	0	0	-207	0	-207	0	0	253	0	-460	0	0	0	0	0	-207
		Sub-total				2,992	1,747	72	0	0	4,811	0	4,811	0	0	723	0	4,088	0	0	0	0	0	4,811
WAS9071	04 HUMBER	WWTP - LIQUID TREATMENT & F	HANI		Ī																		$\exists$	
0 2		ARY TREATMENT UPGRADES - ENGINEERING	CW	S2	03	3,300	3,300	3,300	3,260	5,246	18,406	1,169	19,575	0	0	1,576	0	17,999	0	0	0	0	0	19,575
0 19	SECOND SOUTH -	ARY TREATMENT UPGRADES - CONS	CW	S2	03	23,000	24,000	31,000	12,000	17,290	107,290	10,000	117,290	0	0	9,443	0	107,847	0	0	0	0	0	117,290
0 28		ARY TREATMENT UPGRADES - ANGE IN SCOPE	CW	S3	03	10	90	225	0	0	325	11	336	0	0	1,413	0	-1,077	0	0	0	0	0	336
0 29		ARY TREATMENT UPGRADES - ANGE IN SCOPE	CW	S3	03	0	0	-5,000	0	210	-4,790	-596	-5,386	0	0	7,114	0	-12,500	0	0	0	0	0	-5,386
		Sub-total			Ī	26,310	27,390	29,525	15,260	22,746	121,231	10,584	131,815	0	0	19,546	0	112,269	0	0	0	0	0	131,815
WAS9071	05 HUMBER	WWTP - O&M UPGRADES			ļ																		$\dashv$	
0 1	GAS COM	MPRESSOR SYSTEM UPGRADES	CW	S2	03	813	0	0	0	0	813	0	813	0	0	0	0	813	0	0	0	0	0	813
0 2	LIQUID S	TREAM UPGRADES	CW	S2	03	386	0	0	0	0	386	0	386	0	0	31	0	355	0	0	0	0	0	386

16,676

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

#### CITY OF TORONTO

Gross Expenditures (\$000's)

DCW - PH1 - OFFLINE STORAGE TANK

SHEPPARD/LESLIE

CW S2

1,340

11,175

4.060

51

50

16,676

16,676

1.353

15.323

Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Wastewater Program **Current and Future Year Cash Flow Commitments** Current and Future Year Cash Flow Commitments Financed By Debt -Capital Federal Development Charnes Reserves Funds Total Total Sub- Project No. Project Name Recoverable Reserve from Total Grants and 2019 2020 2021 2022 2023 2024-2028 Current PrioritySubProj No. Sub-project Name Ward Stat. Cat. 2019-202 2019-2028 Other 1 Other2 Debt Financino WAS907105 HUMBER WWTP - O&M UPGRADES 0 35 LIQUID STREAM UPGRADES-CHANGE IN CW S3 -386 0 0 Ω -386 0 -386 n 0 -31 0 -355 0 n 0 -386 SCOPE 36 GAS COMPRESSOR SYSTEM CW S3 03 -418 541 0 0 123 123 n 0 0 0 123 0 0 0 123 UPGRADES-CHANGE IN SCOPE 395 541 936 936 0 0 936 0 0 0 0 0 936 0 0 0 Sub-total WAS907106 HUMBER WWTP - ODOUR CONTROL ODOUR CONTROL IMPLEMENTATION -766 766 CW S2 766 n 0 0 766 n 0 69 0 697 n 0 PHASE 1 ODOUR CONTROL IMPLEMENTATION -434 2,401 0 550 3,385 550 3,935 637 3 298 n 3,935 PHA-CHANGE IN SCOPE Sub-total 1.200 2.401 0 0 550 4.151 550 4.701 0 0 706 0 3.995 0 0 0 0 4.701 WAS907224 SEWAGE PUMPING STATION UPGRADES CW S2 2,962 292 2.670 0 2,962 0 1 SPS UPGRADES 02 2 212 750 0 Ω 2 962 n 0 0 n 0 SUNNYSIDE AND MARYPORT SPS CW S2 05 150 400 3.350 4,265 1,975 10.140 10,150 817 9.333 0 0 10,150 **UPGRADES** 22,485 SPS UPGRADES - GROUP 6 CW S2 02 3,891 5.250 5.356 4.390 3.598 55 22.540 1,814 20.726 0 0 22.540 18 0 26 SPS UPGRADES - GROUP 7 S2 03 0 14,585 **FACILITY & PROCESS UPGRADES** CW S2 3,025 2,600 2,200 11,385 3,200 14,585 1,179 0 34 02 435 3.125 n 0 0 13.406 n n 0 1.900 0 35 SCOTT ST PS & SIMCOE ST PS CW S2 03 400 500 500 500 1.900 1.900 0 1.900 0 0 0 0 39 SUNNYSIDE AND MARYPORT SPS CW S3 05 -150 -350 -3,060 -2,020 -925 -6,505 890 -5,615 0 1,451 -7,066 0 0 0 0 -5,615 UPGRADE-CHANGE IN SCOPE 0 40 **FACILITY & PROCESS** CW S3 02 -60 -1.950438 3.900 6.300 8.628 2.753 11.381 2.663 0 8.718 0 0 0 11,381 UPGRADES-CHANGE IN SCOPE 0 41 SCOTT ST PS & SIMCOE ST PS-CHANGE CW S3 51 53 55 56 215 215 0 0 215 0 0 0 215 IN SCOPE SPS UPGRADES - GROUP 7-CHANGE IN 0 42 CW S3 6 n 0 6 0 0 0 0 n 0 0 5 SCOPE 43 SPS UPGRADES - GROUP 6-CHANGE IN CW S3 -1,068 215 500 501 148 148 1.544 -1.3960 148 SCOPE 44 SPS UPGRADES-CHANGE IN SCOPE CW S3 -1 106 0 -1,161 -1.161 -22 0 0 -1,161 n -55 0 n 0 0 -1.139 0 0 Sub-total 4,765 7,838 9,764 14,191 13,649 50,207 6,908 57,115 0 0 9,740 0 47,375 0 0 0 0 57,115 WAS907559 DON & WATERFRONT TRUNK CSO DON & WATERFRONT TRUNK/CSO PKG 1 CW S2 10.946 30,986 461 31.447 2.566 0 28.881 0 31,447 - DESIGN DCW - PHASE 1 - ADDITIONAL SCOPE 2.850 n 2.850 2.850 229 2.621 2,850 0 15 CW S2 04 0 0 0 n 0 n 0

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

							Curre	ent and Fu	ture Year	Cash Flo	w Commitn	nents			Cu	rrent and F	uture Year	Cash Flo	w Comm	itments F	inanced	Ву		
Sub Prio		j <u>ect No.    Project Name</u> Proj No.   Sub-project Name	Ward	Stat.	Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Reco	ebt - verable	Total Financing
WAS	907559	DON & WATERFRONT TRUNK CSO																						
0	18	Don & Waterfront Trunk/CSO Construction - PHASE 1	CW	S2	04	80,000	85,000	85,000	85,000	85,000	420,000	62,500	482,500	C	) (	33,509	0	448,991	0	0	0	0	0	482,500
0	24	DON & WATERFRONT TRUNK/CSO PKG 1 CHANGE IN SCOPE	CW	S3	04	-6,425	5,196	0	0	2,500	1,271	0	1,271	C	) (	2,341	0	-1,070	0	0	0	0	0	1,271
0	25	DCW - PHASE 1 - ADDITIONAL SCOPE-CHANGE IN SCOPE	CW	S3	04	-1,716	1,716	0	0	0	0	0	0	C	) (	) 193	0	-193	0	0	0	0	0	0
0	26	Don & Waterfront Trunk/CSO Constru-CHANGE IN SCOPE	CW	S3	04	3,895	-8,252	-15,000	-5,000	-26,000	-50,357	-37,038	-87,395	C	) (	13,114	0	-100,509	0	0	0	0	0	-87,395
0	27	DCW - PH1 - OFFLINE STORAGE TANK S-CHANGE IN SCOPE	CW	S3	04	-715	-10,596	3,940	11,349	7,652	11,630	50	11,680	C	) (	2,843	0	8,837	0	0	0	0	0	11,680
		Sub-total				90,175	90,714	84,475	97,875	69,817	433,056	25,973	459,029	0	C	56,148	0	402,881	0	0	0	0	C	459,029
WAS	907700	NORTH TORONTO WTP UPGRADES																						
0	2	NTTP - ELECTRICAL UPGRADES - ECAR	CW	S2	01	3,129	1,991	1,585	31	0	6,736	0	6,736	C	) (	0	0	6,736	0	0	0	0	0	6,736
0	10	OPS INTERFACE NTTP	CW	S2	04	200	0	0	0	0	200	0	200	C	) (	0	0	200	0	0	0	0	0	200
0	11	NTTP - PROCESS IMPROVEMENTS	CW	S2	04	5,572	5,100	50	50	0	10,772	0	10,772	C	) (	0	0	10,772	0	0	0	0	0	10,772
0	15	NTTP - ELECTRICAL UPGRADES - ECAR-CHANGE IN SCOPE	CW	S3	01	-2,430	2,186	774	2,343	1,891	4,764	31	4,795	C	) (	0	0	4,795	0	0	0	0	0	4,795
0	16	NTTP - PROCESS IMPROVEMENTS-CHANGE IN SCOPE	CW	S3	04	-4,638	1,162	5,960	5,811	3,770	12,065	12	12,077	C	) (	0	0	12,077	0	0	0	0	0	12,077
		Sub-total				1,833	10,439	8,369	8,235	5,661	34,537	43	34,580	0	(	0	0	34,580	0	0	0	0	C	34,580
WAS	908143	Georgetown South City Infrastructure Upgrad	des																					
0	1	GEORGETOWN SOUTH CITY INFRASTRUCTURE UPGRADES	CW	S2	05	5,115	0	0	0	0	5,115	0	5,115	C	) (	) 412	0	4,703	0	0	0	0	0	5,115
0	9	GEORGETOWN SOUTH CITY INFRASTRUCTU-CHANGE IN SCOPE	CW	S3	05	0	0	0	0	0	0	0	0	C	) (	4,703	0	-4,703	0	0	0	0	0	0
		Sub-total				5,115	0	0	0	0	5,115	0	5,115	0	C	5,115	0	0	0	0	0	0	C	5,115
WAS	WP003	EMERY CREEK POND																						
0	1	EMERY CREEK POND	CW	S2	04	1,097	94	0	0	0	1,191	0	1,191	C	) (	97	0	1,094	0	0	0	0	0	1,191
0	17	EMERY CREEK POND-CHANGE IN SCOPE	CW	S3	04	-549	483	0	0	0	-66	0	-66	C	) (	72	0	-138	0	0	0	0	0	-66
		Sub-total				548	577	0	0	0	1,125	0	1,125	0	C	169	0	956	0	0	0	0	C	1,125
WAS	WP050	EQUIPMENT REPLACEMENT & REHABILIT	TATIC																					
0	78	EQUIPMENT REPLACEMENT	CW	S2	03	10,297	6,100	695	40	53	17,185	0	17,185	(	) (	0	0	17,185	0	0	0	0	0	17,185

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)
Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

		Curre	ent and Fu	ıture Yeaı	Cash Flo	w Commitn	nents			Cı	ırrent and F	uture Yea	r Cash Flo	w Comm	itments	Financed	I By		
Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal Subsidy	Developmen Charges	Reserve	Reserve Funds	Capital from Current	Other 1	Other2		erable	Total Financing
WASWP050 EQUIPMENT REPLACEMENT & REHABILITATIO																			
0 137 EQUIPMENT REPLACEMENT-CHANGE IN CW S3 03 SCOPE	-6,732	-1,459	5,036	-5	-12	-3,172	53	-3,119	C	)	0 0	C	-3,119	0	(	0 0	0	0	-3,119
Sub-total	3,565	4,641	5,731	35	41	14,013	53	14,066	0		0 0	C	14,066	0	(	) (	0	0	14,066
Total Program Expenditure	610,113	1,008,854	1,063,432	944,848	709,789	4,337,036	1,324,014	5,661,050	0		0 572,322	: C	5,088,728	0	(	) (	0	0	5,661,050

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

#### **CITY OF TORONTO**

Gross Expenditures (\$000's)

#### Appendix 8: 2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

Wastewater Program																			
		Current and	Future Ye	ar Cash F	low Comn	nitments an	d Estimate	s		Curren	t and Future	Year Cash	Flow C	ommitme	nts and	Estimate	s Finan	ced By	
<u>Sub- Project No. Project Name</u> Priority SubProj No. Sub-project Name Ward Stat. Car	2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	Provincial Grants and Subsidies	Federal D Subsidy	evelopment Charges		Reserve Funds	Capital from Current	Other 1	Other2		Debt - ecoverable	Total Financing
Financed By:																			
Development Charges	62,065	93,013	103,763	69,196	73,320	401,357	170,965	572,322	0	0	572,322	0	0	0		0 0	)	0 0	572,322
Reserve Funds (Ind."XR" Ref.)	548,048	915,841	959,669	875,652	636,469	3,935,679	1,153,049	5,088,728	0	0	0	05,	,088,728	0		0 0	)	0 0	5,088,728
Total Program Financing	610,113	1,008,854	1,063,432	944,848	709,789	4,337,036	1,324,014	5,661,050	0	0	572,322	05,	,088,728	0		0 0		0 0	5,661,050

Status Code Description S2

S2 Prior Year (With 2019 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2019 and\or Future Year Cost\Cashflow) S4

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

S5 New (On-going or Phased Projects)

**Category Code Description** 

03

04

Health and Safety C01

Legislated C02

State of Good Repair C03

Service Improvement and Enhancement C04

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

# Appendix 9

# 2019 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 9: 2019 Capital Budget with Financing Detail

Project   Project   Project Name	1 Other 2	Debt Debt - Recoverable
0 24 RESIDUALS RETROFITS AND UPGRADES 01/01/201312/31/2019 3,102 0 0 0 0 3,102 0 31 RESIDUALS RETROFITS AND UPGRADES-CHANGE IN SC(01/01/201912/31/2021 663 0 0 0 0 0 663 0 Project Sub-total: 2,439 0 0 0 0 0 2,439 0 0 0 0 2,439 0 0 0 0 0 2,439 0 0 0 0 0 0 2,439 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
0 31 RESIDUALS RETROFITS AND UPGRADES-CHANGE IN SC(01/01/201912/31/2021 663 0 0 0 0 0 -663 0 Project Sub-total: 2,439 0 0 0 0 0 -663 0 0 2,439 0 0 0 0 0 2,439 0 0 0 0 0 0 2,439 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Project Sub-total:   2,439   0   0   0   0   2,439   0   0   0   0   2,439   0   0   0   0   0   2,439   0   0   0   0   0   0   0   0   0	0 0	0 0
0         WAT000021         WATER EFFICIENCY PROGRAM           0         10 ICI INDOOR WATER AUDIT         01/01/2005 12/31/2022         300         0         0         300         0	0 0	0 0
0 10 ICI INDOOR WATER AUDIT 01/01/2005 12/31/2022 300 0 0 300 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0
0 11 PUBLIC EDUCATION & PROMOTIONS 01/01/2005 12/31/2022 75 0 0 75 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
0 12 ANCILLARY COSTS 01/01/2005 12/31/2022 70 0 0 70 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0
0 97 ICI INDOOR WATER AUDIT-CHANGE IN SCOPE 01/01/2019 12/31/2023 50 0 0 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0
Project Sub-total: 495 0 0 495 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0
0         WAT000363         ENGINEERING STUDIES           0         2 IMPROVED TREATMENT STUDIES         01/01/200512/31/2019         66         0         0         0         0         46         0           0         18 CONTROLLED SUBSTANCES ID AND ABATEMENT         01/01/200712/31/2019         100         0         0         0         0         100         0           0         31 ENERGY EFFICIENCY IMPLEMENTATION         01/01/200812/31/2019         38         0         0         0         0         38         0           0         79 ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCO01/01/201912/31/2020         127         0         0         0         0         127         0           0         80 IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE         08/28/201812/31/2023         4         0         0         0         0         3         0	0 0	0 0
0 2 IMPROVED TREATMENT STUDIES 01/01/2005 12/31/2019 66 0 0 0 0 0 46 0 0 0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/2007 12/31/2019 100 0 0 0 0 100 0 0 0 0 0 0 0 0 0 0	0 0	0 0
0 18 CONTROLLED SUBSTANCES ID AND ABATEMENT 01/01/2007 12/31/2019 100 0 0 0 100 0 0 31 ENERGY EFFICIENCY IMPLEMENTATION 01/01/2008 12/31/2019 38 0 0 0 0 38 0 0 79 ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCO01/01/2019 12/31/2020 127 0 0 0 0 127 0 0 80 IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE 08/28/2018 12/31/2023 4 0 0 0 0 3 0		
0 31 ENERGY EFFICIENCY IMPLEMENTATION 01/01/2008 12/31/2019 38 0 0 0 0 38 0 0 79 ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCO01/01/2019 12/31/2020 127 0 0 0 0 127 0 0 80 IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE 08/28/2018 12/31/2023 4 0 0 0 0 3 0	0 20	0 0
0 79 ENERGY EFFICIENCY IMPLEMENTATION-CHANGE IN SCO01/01/2019 12/31/2020 127 0 0 0 0 127 0 0 80 IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE 08/28/2018 12/31/2023 4 0 0 0 0 3 0	0 0	0 0
0 80 IMPROVED TREATMENT STUDIES-CHANGE IN SCOPE 08/28/2018 12/31/2023 4 0 0 0 0 3 0	0 0	0 0
	0 0	0 0
0 81 CONTROLLED SUBSTANCES ID AND ARATE CHANGE IN S01/01/2010 12/31/2021 25 0 0 0 0 25 0	0 1	0 0
0 01 CONTINUELED 3003 TANGES ID AND ADATE-CITANOE IN 301/01/2013 12/31/2021 25 0 0 0 23 0	0 0	0 0
Project Sub-total: 360 0 0 0 339 0	0 21	0 0
0 WAT906334 BUSINESS SYSTEM INFRASTRUCTURE - PW		
0 12 PCS LEGACY ALARM IMPROVEMENT 01/01/2011 12/31/2019 20 <sup>0</sup> 0 0 0 20 0	0 0	0 0
0 23 RELIABILITY IMPROVEMENT PROGRAM 01/01/2013 12/31/2019 355 0 0 0 0 355 0	0 0	0 0
0 41 SCADA UPGRADES FOR WWT 01/01/2012 12/31/2019 3,326 0 0 0 0 3,326 0	0 0	0 0
0 67 SCADA UPGRADES FOR WWT - II 01/01/2012 12/31/2019 972 0 0 0 0 972 0	0 0	0 0
0 85 NETWORK IMPROVEMENTS 01/01/2016 12/31/2019 585 0 0 0 0 585 0	0 0	0 0
0 87 PCS UPGRADES 2017 01/01/2016 12/31/2020 210 0 0 0 210 0	0 0	0 0
0 88 TRUNK RADIO - EQUIPMENT 01/01/2016 12/31/2022 160 <sup>0</sup> 0 0 160 0	0 0	0 0
0 97 SCADA SOFTWARE 01/01/2016 12/31/2019 260 0 0 0 260 0	0 0	0 0
0 101 NETWORK EQUIPMENT LIFE CYCLE REPLACEMENT - 201:01/01/2018 12/31/2019 5 0 0 0 5 0	0 0	0 0
0 109 SCADA UPGRADES FOR WWT - II -CHANGE IN SCOPE 01/01/2019 12/31/2023 -123 0 0 0 0 -123 0	0 0	0 0
0 110 RELIABILITY IMPROVEMENT PROGRAM-CHANGE IN SCOF01/01/2019 12/31/2022 -80 0 0 0 -80 0	0 0	0 0
0 111 NETWORK IMPROVEMENTS-CHANGE IN SCOPE 01/01/2019 12/31/2020 127 0 0 0 0 127 0	0 0	0 0
0 112 SCADA UPGRADES FOR WWT-CHANGE IN SCOPE 01/01/2019 12/31/2022 2,677 0 0 0 0 2,677 0	0 0	0 0
0 113 TECHNOLOGY IMPROVEMENTS 01/01/2019 12/31/2023 1,865 0 0 0 0 1,865 0	0 0	0 0
0 114 SCADA SOFTWARE-CHANGE IN SCOPE 01/01/2019 12/31/2022 -80 0 0 0 -80 0	0 0	0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/	/Financing				2019					Financ	cing				
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 W	AT906334	BUSINESS SYSTEM INFRASTRUCTURE - PW													
0	116 TF	RUNK RADIO - EQUIPMENT-CHANGE IN SCOPE	01/01/2019	12/31/2019	-160	0	0	0	0	-160	0	0	0		0 0
0	117 P	CS UPGRADES FOR WATER SUPPLY-CHANGE IN SCO	PE01/01/2019	12/31/2019	1	0	0	0	0	1	0	0	0		0 0
0	118 P	CS LEGACY ALARM IMPROVEMENT -CHANGE IN SCOI	PE 01/01/2019	12/31/2019	30	0	0	0	0	30	0	0	0		0 0
			Project Sub	-total:	10,150	0	0	0	0	10,150	0	0	0		0 0
<u>0</u> W	AT906340	METERING & METER READING SYS													
0	2 Al	JTOMATED METER READING SYSTEM	01/01/2005	12/31/2019	578	0	0	0	0	578	0	0	0		0 0
0	20 Al	JTOMATED METER READING SYSTEM-CHANGE IN SC	OI01/01/2019	12/31/2028	4,605	0	0	0	0	4,605	0	0	0		0 0
			Project Sub	-total:	5,183	0	0	0	0	5,183	0	0	0		0 0
0 W	AT906468	HORGAN TRUNK MAIN EXPANSION													
0	52 D	OWNSVIEW MAIN (KEELE PS TO DOWNSVIEW) Engine	eri01/01/2018	12/31/2019	1,240	0	0	620	0	620	0	0	0		0 0
0		OWNSVIEW MAIN (KEELE PS TO DOWNSV-CHANGE IN				0	0	380	0	-620	0	0	0		0 0
		·	Project Sub	-total:	1,000	0	0	1,000	0	0	0	0	0		0 0
0 W	AT906470	ISLAND W.T.P. R&R													
0		HEMICAL & RESIDUALS MANAGMENT ENGINEERING	01/01/2013	12/31/2019	2,407	0	0	0	0	2,407	0	0	0		0 0
0		HEMICAL & RESIDUALS MANAGEMENT CONST	01/01/2015	12/31/2019	1,530	0	0	95	0	1,435	0	0	0		0 0
0	34 CI	HEMICAL & RESIDUALS MANAGMENT ENG-CHANGE II	N {01/01/2019	12/31/2024	-1,517	0	0	0	0	-1,517	0	0	0		0 0
0	35 CI	HEMICAL & RESIDUALS MANAGEMENT CO-CHANGE II	N \$01/01/2019	12/31/2023	-1,500	0	0	-91	0	-1,409	0	0	0		0 0
			Project Sub	-total:	920	0	0	4	0	916	0	0	0		0 0
0 W	AT906481	DISTRICT WATERMAINS - NEW													
0	1 NI	EW WATERMAIN	01/01/2005	12/31/2019	58	0	0	58	0	0	0	0	0		0 0
0	17 NI	EW WM -CHANGE IN SCOPE	01/01/2019	12/31/2021	-48	0	0	-48	0	0	0	0	0		0 0
			Project Sub	-total:	10	0	0	10	0	0	0	0	0		0 0
0 W	AT906483	PW ENGINEERING													
0	2 C/	APITAL PROGRAMMING & FACILITY ASSET PLANNING	01/01/2005	12/31/2020	3,903	0	0	0	0	3,903	0	0	0		0 0
0	5 W	ATERMAIN ASSET PLANNING	01/01/2007	12/31/2019	2,839	0	0	694	0	1,021	0	0	1,124		0 0
0	7 E/	ASEMENT ACQUISITION	01/01/2007	12/31/2019	690	0	0	0	0	690	0	0	0		0 0
0	22 W	ATER LOSS REDUCTION STRATEGY	01/01/2012	12/31/2023	889	0	0	0	0	889	0	0	0		0 0
0	37 AS	SSET MGMT SYSTEM IMPLEMENTATION	01/01/2016	12/31/2019	1,550	0	0	388	0	1,162	0	0	0		0 0
0	52 JC	OS UPDATE PHASE II	01/01/2015	12/31/2019	657	0	0	329	0	-1	0	0	329		0 0
0	76 W	ATERMAIN ASSET PLANNING-CHANGE IN SCOPE	01/01/2019	12/31/2026	-1,831	0	0	-542	0	-564	0	0	-725		0 0
0	77 C	APITAL PROGRAMMING & FACILITY ASS-CHANGE IN S	C(01/01/2019	12/31/2023	-2,585	0	0	0	0	-2,585	0	0	0		0 0
0	78 JC	OS UPDATE PHASE II-CHANGE IN SCOPE	01/01/2019	12/31/2020	-301	0	0	-151	0	1	0	0	-151		0 0
0	79 AS	SSET MGMT SYSTEM IMPLEMENTATION-CHANGE IN S	C(01/01/2019	12/31/2019	-1,300	0	0	-325	0	-975	0	0	0		0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/F	inancina		2019	1				Financ	rina				
Priority F	•	Start Date Comple		Provincial Grants	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From	Other 1	Other 2	Debt	Debt - Recoverable
				Subsidies		Charges			Current				
<u>0</u> <u>WAT</u>	7906483 PW ENGINEERING												
0	80 WATER LOSS REDUCTION STRATEGY-CHANGE IN SCOPE	1/01/2019 12/31/2	-338	0	0	0	0	-338	0	0	0		0 0
0	81 EASEMENT ACQUISITION-CHANGE IN SCOPE	1/01/2019 12/31/2	021 114	0	0	0	0	114	0	0	0		0 0
	Pro	ject Sub-total:	4,287	0	0	393	0	3,317	0	0	577		0 0
0 WAT	T906752 TRANSMISSION R&R												
0	49 TRUNK WATERMAIN REHAB	1/01/201312/31/2	022 260	0	0	0	0	260	0	0	0		0 0
0	51 CAST IRON TRUNK REPLC - PHASE 2	1/01/201312/31/2	019 512	0	0	0	0	512	0	0	0		0 0
0	52 CAST IRON TRUNK REPLC - PHASE 3 - ENGINEERING	1/01/2014 12/31/2	020 1,05 <sup>2</sup>	0	0	0	0	1,051	0	0	0		0 0
0	58 CAST IRON TRUNK REPLC - PHASE 3 - CONSTRUCTION C	1/01/2016 12/31/2	1,500	0	0	0	0	1,500	0	0	0		0 0
0	82 CAST IRON TRUNK REPLC - PHASE 3 CHANGE IN SCOPE	1/01/2019 12/31/2	020 -325	0	0	0	0	-325	0	0	0		0 0
0	83 TRUNK WATERMAIN REHAB-CHANGE IN SCOPE	1/01/2019 12/31/2	028 150	0	0	0	0	150	0	0	0		0 0
0	84 CAST IRON TRUNK REPLC - PHASE 2-CHANGE IN SCOPE	1/01/2019 12/31/2	021 -48	0	0	0	0	-48	0	0	0		0 0
0	85 CAST IRON TRUNK REPLC - PHASE 3 CHANGE IN SCOPE	1/01/2019 12/31/2	990 -990	0	0	0	0	-990	0	0	0		0 0
	Pro	ject Sub-total:	2,110	0	0	0	0	2,110	0	0	0		0 0
0 WAT	7906900 TRANSMISSION R&R												
0	1 TRANS FACILITIES REHAB	1/01/2006 12/31/2	022 750	0	0	0	0	750	0	0	0		0 0
0	36 ST CLAIR RESERVOIR REHAB/WATER QUALITY PROTECTO	1/01/2014 12/31/2	021 6,949	0	0	0	0	6,949	0	0	0		0 0
0	44 PUMPING STATION REHAB - Engineering	1/01/2019 12/31/2	028 100	0	0	0	0	100	0	0	0		0 0
0	48 ROSEHILL RESERVOIR	1/01/2015 12/31/2	023 12,525	0	0	0	0	12,525	0	0	0		0 0
0	49 DOWNSVIEW PS & CONNECTOR EA	1/01/2015 12/31/2	019 142	0	0	55	0	87	0	0	0		0 0
0	50 PARKDALE PS REHABILITATION	1/01/2015 12/31/2	2,722	0	0	0	0	2,722	0	0	0		0 0
0	51 ROSEHILL PS REHAB	1/01/2015 12/31/2	2,722	0	0	0	0	2,722	0	0	0		0 0
0	67 PUMP REPLACEMENTS	1/01/2016 12/31/2	1,050	0	0	0	0	1,050	0	0	0		0 0
0	72 RESERVOIR REHAB - PHASE 2 - ENG	1/01/2016 12/31/2	023 500	0	0	0	0	500	0	0	0		0 0
0	74 PS REHAB - PHASE 2 - ENG	1/01/2016 12/31/2	1,528	0	0	0	0	1,528	0	0	0		0 0
0	91 SCARBOROUGH RESERVOIR SURGE TANK	1/01/2019 12/31/2	025 125	0	0	0	0	125	0	0	0		0 0
0	94 PS REHAB - PHASE 2 - CONSTRUCTION	1/01/2018 12/31/2	019 4,040	0	0	0	0	4,040	0	0	0		0 0
0	96 DOWNSVIEW PS & CONNECTOR EA-CHANGE IN SCOPE	1/01/2019 12/31/2	020 -140	0	0	-53	0	-87	0	0	0		0 0
0	97 TRANS FACILITIES REHAB-CHANGE IN SCOPE	1/01/2019 12/31/2	024 450	0	0	0	0	450	0	0	0		0 0
0	98 ST CLAIR RESERVOIR REHAB/WATER QUA-CHANGE IN SC	1/01/2019 12/31/2	022 -1,649	0	0	0	0	-1,649	0	0	0		0 0
0	99 PARKDALE PS REHABILITATION-CHANGE IN SCOPE	1/01/2019 12/31/2	)20 -277		0	0	0	-277	0	0	0		0 0
0	100 ROSEHILL RESERVOIR-CHANGE IN SCOPE	1/01/2019 12/31/2	3,728	0	0	0	0	-3,728	0	0	0		0 0
0	103 ROSEHILL PS REHAB-CHANGE IN SCOPE	1/01/2019 12/31/2	-1,258	0	0	0	0	-1,258	0	0	0		0 0
0	104 RESERVOIR REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	1/01/2019 12/31/2	)24 -150		0	0	0	-150	0	0	0		0 0
0	105 PS REHAB - PHASE 2 - ENG-CHANGE IN SCOPE	1/01/2019 12/31/2	)23 -728	0	0	0	0	-728	0	0	0		0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/	Financing			2019					Financ	cing				
Priority	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	AT906900 TRANSMISSION R&R													
0	106 PS REHAB - PHASE 2 - CONSTRUCTION-CHANGE IN SC	OF01/01/2019	12/31/2022	-3,240	0	0	0	0	-3,240	0	0	0		0 0
0	107 PUMP REPLACEMENTS-CHANGE IN SCOPE	01/01/2019	12/31/2020	-150	0	0	0	0	-150	0	0	0		0 0
		Project Sub	-total:	22,283	0	0	2	0	22,281	0	0	0		0 0
0 W	AT906902 HARRIS W.T.P. R&R													
0	3 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2022	500	0	0	0	0	500	0	0	0		0 0
0	21 HVAC REHAB CONSTRUCTION	01/01/2010	12/31/2019	5,492	0	0	0	0	5,492	0	0	0		0 0
0	29 HARRIS FILTERS REHABILITATION - PILOT	01/01/2015	12/31/2019	6,250	0	0	0	0	6,250	0	0	0		0 0
0	56 REHAB OF SETTLING BASIN ROOF & SLUICE GATES	01/01/2014	12/31/2021	510	0	0	0	0	510	0	0	0		0 0
0	80 FACILITY INFRASTRUCTURE REHAB	01/01/2019	12/31/2020	900	0	0	0	0	900	0	0	0		0 0
0	81 LIQUID CHEMICAL SYSTEM IMPROVEMENTS	01/01/2015	12/31/2019	3,282	0	0	0	0	3,282	0	0	0		0 0
0	98 HERITAGE MASONRY AND ARCHITECTURAL RESTORAT	IC01/01/2016	12/31/2022	200	0	0	0	0	200	0	0	0		0 0
0	99 CONTROL ROOM RELOCATION	01/01/2016	12/31/2019	1,345	0	0	0	0	1,345	0	0	0		0 0
0	100 EMERGENCY STANDBY POWER	01/01/2016	12/31/2019	2,339	0	0	0	0	2,339	0	0	0		0 0
0	106 BUILDING ENVELOPE REHAB	01/01/2016	12/31/2019	136	0	0	0	0	136	0	0	0		0 0
0	119 ENERGY OPTIMIZATION	01/01/2018	12/31/2019	1,170	0	0	0	0	1,170	0	0	0		0 0
0	132 EMERGENCY STANDBY POWER-CHANGE IN SCOPE	01/01/2019	12/31/2021	-1,725	0	0	0	0	-1,725	0	0	0		0 0
0	133 CONTROL ROOM RELOCATION-CHANGE IN SCOPE	01/01/2019	12/31/2021	-726	0	0	0	0	-726	0	0	0		0 0
0	134 BUILDING ENVELOPE REHAB-CHANGE IN SCOPE	01/01/2019	12/31/2019	-136	0	0	0	0	-136	0	0	0		0 0
0	135 HARRIS FILTERS REHABILITATION - PI-CHANGE IN SCOF	PE01/01/2019	12/31/2023	-5,200	0	0	0	0	-5,200	0	0	0		0 0
0	136 LIQUID CHEMICAL SYSTEM IMPROVEMENT-CHANGE IN	S-01/01/2019	12/31/2020	-2,856	0	0	0	0	-2,856	0	0	0		0 0
0	137 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	01/01/2019	12/31/2022	139	0	0	0	0	139	0	0	0		0 0
0	138 HVAC REHAB CONSTRUCTION-CHANGE IN SCOPE	01/01/2019	12/31/2022	-4,854	0	0	0	0	-4,854	0	0	0		0 0
0	139 REHAB OF SETTLING BASIN ROOF & SLU-CHANGE IN SO	C(01/01/2019	12/31/2020	-339	0	0	0	0	-339	0	0	0		0 0
0	143 ENERGY OPTIMIZATION-CHANGE IN SCOPE	01/01/2019	12/31/2021	-890	0	0	0	0	-890	0	0	0		0 0
		Project Sub	-total:	5,537	0	0	0	0	5,537	0	0	0		0 0
0 W	AT906903 FJ HORGAN W.T.P. R&R													
	5 FACILITY & PROCESS UPGRADES	01/01/2006	12/31/2022	1,174	0	0	0	0	1,174	0	0	0		0 0
0	8 RAW WATER PUMP UGRADES	01/01/2016	12/31/2019	321	0	0	0	0	321	0	0	0		0 0
0	15 REPLACEMENT OF MCCS	01/01/2013	12/31/2019	533	0	0	0	0	533	0	0	0		0 0
0	31 BUILDING FIRE, HVAC, LIGHTING UPGRADES	01/01/2016	12/31/2019	1,455	0	0	0	0	1,455	0	0	0		0 0
0	32 ELEC GROUNDING SYSTEM & BULK CHEM UNLOADING	I   01/01/2015	12/31/2019	679	0	0	0	0	679	0	0	0		0 0
0	34 TREATED WATER PUMP UPGRADES	01/01/2015	12/31/2019	203	0	0	0	0	203	0	0	0		0 0
0	65 TREATED WATER PUMP UPGRADES-CHANGE IN SCOPE	01/01/2019	12/31/2019	-86	0	0	0	0	-86	0	0	0		0 0
0	66 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	01/01/2019	12/31/2023	-1,011	0	0	0	0	-1,011	0	0	0		0 0



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/F	Financing			2019					Financ					
Priority	Project Project Name	Start Date C	ompletion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> WA	T906903 FJ HORGAN W.T.P. R&R													
0	67 ELEC GROUNDING SYSTEM & BULK CHEM-CHANGE IN S	01/01/2019 12	2/31/2024	-504	0	0	0	0	-504	0	0	0		0 0
0	68 BUILDING FIRE, HVAC, LIGHTING UPGR-CHANGE IN SCO	F01/01/201912	2/31/2024	-1,305	0	0	0	0	-1,305	0	0	0		0 0
0	69 REPLACEMENT OF MCCS-CHANGE IN SCOPE	01/01/201912	2/31/2022	-233	0	0	0	0	-233	0	0	0		0 0
0	70 RAW WATER PUMP UGRADES-CHANGE IN SCOPE	01/01/201912	2/31/2022	-200	0	0	0	0	-200	0	0	0		0 0
	P	roject Sub-t	otal:	1,026	0	0	0	0	1,026	0	0	0		0 0
0 WA	T906906 TRUNK WATERMAIN EXPANSION	-												
0	25 JOS WM SCAR PS TO ST CLAIR AND MIDLAND - ENG	01/01/200912	2/31/2019	801	0	0	376	0	243	0	0	182		0 0
0	66 JOS - WM Scar PS to St. Clair&Midland (CONST)	01/01/201612		21,393	0	0	10,064	0	6.468	0	0	4.861		0 0
0	72 JOS WM SCAR PS TO ST CLAIR AND MID-CHANGE IN SCO			-276	0	0	-165	0	-48	0	0	-63		0 0
0	73 JOS - WM Scar PS to St. Clair&Midl-CHANGE IN SCOPE	01/01/201912		-13,393	0	0	-6,849	0	-3,501	0	0	-3,043		0 0
	P	roject Sub-t	otal:	8,525	0	0	3,426	0	3,162	0	0	1.937		0 0
0 14/4	T906914 SWITCH GEAR TRANSFORMER			,,,_,			-, -=-		-,:			-,,		
		04/04/204242	2/24/2040	1 160	0	0	0	0	1 160	0	0	0		0 0
0	13 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3)	01/01/201212		1,169	0	0	0		1,169	0	0	0		
0	29 INDOOR/OUTDOOR SWITCHGEAR (PHASE 4)	01/01/201812		1,104	0	0	0	0	1,104	0	0	-		
0	32 INDOOR/OUTDOOR SWITCHGEAR (PHASE 3-CHANGE IN 33 INDOOR/OUTDOOR SWITCHGEAR (PHASE 4-CHANGE IN 3			-1,109 -704	0	0	0	0	-1,109 -704	0	0	0		•
U	· · · · · · · · · · · · · · · · · · ·				0	0	0	0		0	0	0		0 0
		roject Sub-t	otai:	460	0	0	0	0	460	0	0	0		0 0
_	T906918 WATER SUSTAINABILITY PROGRAM													
0	1 WATER SUSTAINABILITY PROGRAM	01/01/201312	2/31/2019	7,836	0	0	534	0	4,944	0	0	2,358		0 0
0	12 STANDBY POWER - ROSEHILL	01/01/2015 12	2/31/2019	6,036	0	0	410	0	3,815	0	0	1,811		0 0
0		01/01/201912	2/31/2023	-6,486	0	0	-394	0	-4,140	0	0	-1,952		0 0
0	24 STANDBY POWER - ROSEHILL-CHANGE IN SCOPE	01/01/201912	2/31/2021	-2,883	0	0	-83	0	-1,935	0	0	-865		0 0
	P	roject Sub-t	otal:	4,503	0	0	467	0	2,684	0	0	1,352		0 0
<u>0 WA</u>	T906919 RL CLARK W.T.P. R&R													
0	1 FACILITY & PROCESS UPGRADES	01/01/2006 12	2/31/2022	200	0	0	0	0	200	0	0	0		0 0
0	8 PROCESS EQUIPMENT UPGRADE ENGINEERING	01/01/2008 12	2/31/2022	69	0	0	4	0	65	0	0	0		0 0
0	15 PROCESS EQUIPMENT UPGRADE CONSTRUCTION	01/01/201012	2/31/2020	7,721	0	0	469	0	7,252	0	0	0		0 0
0	44 EVACUATION AND COMMUNICATION SYSTEMS	01/01/201312	2/31/2019	112	0	0	0	0	112	0	0	0		0 0
0	76 PROCESS EQUIPMENT UPGRADE CONSTRUC-CHANGE I	<b>1</b> 01/01/201912	2/31/2020	-693	0	0	571	0	-1,264	0	0	0		0 0
0	77 PROCESS EQUIPMENT UPGRADE ENGINEER-CHANGE IN	01/01/201912	2/31/2022	602	0	0	95	0	507	0	0	0		0 0
0	78 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	01/01/201912	2/31/2022	51	0	0	0	0	51	0	0	0		0 0
0	79 EVACUATION AND COMMUNICATION SYSTE-CHANGE IN S	E01/01/201912	2/31/2019	-112	0	0	0	0	-112	0	0	0		0 0
	P	roject Sub-t	otal:	7,950	0	0	1,139	0	6,811	0	0	0		0 0



(Phase 2) 10-Water Program

#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/Fi	nancing		2019					Financ	cing				
Priority P	roject Project Name	Start Date Comple Dat		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAT	906930 DIST W/M REPLACEMENT												
0	21 2011 WM REPLC	01/01/2011 12/31/2	019	0	0	0	0	3	0	0	0		0 0
0	29 DIST W/M REPLC - 2012	01/01/2011 12/31/2	019 147	0	0	0	0	147	0	0	0		0 0
0	51 DIST W/M REPLACEMENT - 2014	01/01/2014 12/31/2	019 365	0	0	57	0	308	0	0	0		0 0
0	55 WATERMAIN REPLACEMENT - METROLINX	01/01/2014 12/31/2	021 1,090	0	0	0	0	1,090	0	0	0		0 0
0	59 2013 WM REPLC - UPGRADES	01/01/2015 12/31/2	019 10 <sup>-</sup>	0	0	31	0	70	0	0	0		0 0
0	63 DIST W/M REPLACEMENT - 2015	01/01/2015 12/31/2	019 2,317	0	0	344	0	1,973	0	0	0		0 0
0	64 WATERMAIN UPGRADES - 2015	01/01/2015 12/31/2	019 390	0	0	124	0	266	0	0	0		0 0
0	73 DIST W/M REPLACEMENT - 2016	01/01/2016 12/31/2	019 8,933	0	0	1,371	0	7,562	0	0	0		0 0
0	74 WATERMAIN UPGRADES - 2016	01/01/2016 12/31/2	019 2,706	0	0	857	0	1,849	0	0	0		0 0
0	83 DIST W/M REPLACEMENT - 2017	01/01/2016 12/31/2	019 8,289	0	0	1,228	0	7,061	0	0	0		0 0
0	84 WATERMAIN UPGRADES - 2017	01/01/2016 12/31/2	019 1,188	0	0	376	0	812	0	0	0		0 0
0	85 DIST W/M REPLACEMENT - 2018	01/01/2018 12/31/2	019 52,339	0	0	7,302	0	45,037	0	0	0		0 0
0	86 WATERMAIN UPGRADES - 2018	01/01/2018 12/31/2	019 14,303	0	0	4,880	0	9,423	0	0	0		0 0
0	110 DIST W/M REPLACEMENT - 2019	01/01/2019 12/31/2	022 55,20°	0	0	8,584	0	46,617	0	0	0		0 0
0	111 WATERMAIN UPGRADES - 2019	01/01/2019 12/31/2	022 24,014	0	0	7,471	0	16,543	0	0	0		0 0
0	112 DIST W/M REPLACEMENT - 2014-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -350	0	0	-56	0	-294	0	0	0		0 0
0	113 DIST W/M REPLACEMENT - 2015-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -2,100	0	0	-327	0	-1,773	0	0	0		0 0
0	114 DIST W/M REPLACEMENT - 2017-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -7,519	0	0	-1,169	0	-6,350	0	0	0		0 0
0	115 DIST W/M REPLACEMENT - 2018-CHANGE IN SCOPE	01/01/2019 12/31/2	022 -22,804	0	0	-5,032	0	-17,772	0	0	0		0 0
0	116 DIST W/M REPLACEMENT - 2019-CHANGE IN SCOPE	01/01/2019 12/31/2	023 -20,817	0	0	-5,942	0	-14,875	0	0	0		0 0
0	117 WATERMAIN UPGRADES - 2015-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -320	0	0	-89	0	-231	0	0	0		0 0
0	118 WATERMAIN UPGRADES - 2016-CHANGE IN SCOPE	01/01/2019 12/31/2	020 <b>-</b> 2,60°	0	0	-804	0	-1,797	0	0	0		0 0
0	119 WATERMAIN UPGRADES - 2017-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -1,156	0	0	-360	0	-796	0	0	0		0 0
0	120 DIST W/M REPLACEMENT - 2016-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -8,536	0	0	-1,340	0	-7,196	0	0	0		0 0
0	121 WATERMAIN UPGRADES - 2018-CHANGE IN SCOPE	01/01/2019 12/31/2	020 -5,262	0	0	-359	0	-4,903	0	0	0		0 0
0	122 WATERMAIN UPGRADES - 2019-CHANGE IN SCOPE	01/01/2019 12/31/2	023 -7,793	0	0	640	0	-8,433	0	0	0		0 0
0	123 2013 WM REPLC - UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2	019 -10 <sup>2</sup>	0	0	-31	0	-70	0	0	0		0 0
0	124 DIST W/M REPLC - 2012-CHANGE IN SCOPE	01/01/2019 12/31/2	019 -10	0	0	0	0	-10	0	0	0		0 0
0	127 WATERMAIN REPLACEMENT - METROLINX-CHANGE IN	S(01/01/201912/31/2	022 -400	0	0	0	0	-400	0	0	0		0 0
0	130 2011 WM REPLC-CHANGE IN SCOPE	11/08/2018 12/31/2	019	0	0	0	0	1	0	0	0		0 0
		Project Sub-total:	91,618	0	0	17,756	0	73,862	0	0	0		0 0
<u>0</u> <u>WAT</u>	906932 DIST W/M REHABILITATION												
0	4 HYDRANT & VALVE REPAIR	01/01/2007 12/31/2	019 1,568	0	0	0	0	1,568	0	0	0		0 0
0	6 WATERMAIN STRUCTURAL LINING	01/01/2007 12/31/2	019 68,624	0	0	0	0	68,624	0	0	0		0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/Financ	ing		2019					Financ	cing				
Priority Project	-	Start Date Comp		w Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAT9069	32 DIST W/M REHABILITATION												
0 7	7 CATHODIC PROTECTION	01/01/2007 12/31	2019 7,1	62 0	0	0	0	7,162	0	0	0		0 0
0 30	CUT REPAIR	01/01/2007 12/31	2019 3,5	19 0	0	0	0	3,549	0	0	0		0 0
0 59	9 PRV INSPECTION & RENEWAL	01/01/2018 12/31	2020 1,6	0 0	0	0	0	1,600	0	0	0		0 0
0 60	INFRASTRUCTURE REHAB & UPGRADES - METROLINX	01/01/2018 12/31	2021	75 0	0	0	0	75	0	0	0		0 0
0 61	1 WATERMAIN STRUCTURAL LINING-CHANGE IN SCOPE	01/01/201912/31	2021 -20,1	0	0	0	0	-20,106	0	0	0		0 0
0 62	2 PRV INSPECTION & RENEWAL-CHANGE IN SCOPE	01/01/201912/31	2020 -1,1	0	0	0	0	-1,110	0	0	0		0 0
0 63	3 HYDRANT & VALVE REPAIR-CHANGE IN SCOPE	01/01/201912/31	2020 -3	88 0	0	0	0	-368	0	0	0		0 0
0 64	4 CUT REPAIR-CHANGE IN SCOPE	01/01/201912/31	2022 -1,4	55 0	0	0	0	-1,455	0	0	0		0 0
0 65	5 CATHODIC PROTECTION-CHANGE IN SCOPE	01/01/2019 12/31	2022 -3,5	20 0	0	0	0	-3,520	0	0	0		0 0
		Project Sub-tota	: 56,0°	9 0	0	0	0	56,019	0	0	0		0 0
0 WAT9069	34 DIST WATER SERVICE REPAIR												
0 12	2 WATER SERVICE REPAIR - LEAD PROGRAM	01/01/2008 12/31	2019 12,6	06 0	0	0	0	12,606	0	0	0		0 0
0 32	2 WSR CUT REPAIR	01/01/2012 12/31	2019 1,6	13 0	0	0	0	1,613	0	0	0		0 0
0 39	9 2012 WATER SERVICE REPLC - SOGR	01/01/2012 12/31	2019	0 0	0	0	0	60	0	0	0		0 0
0 41	1 2013 WATER SERVICE REPAIR	01/01/201312/31	2019 1	10 0	0	0	0	140	0	0	0		0 0
0 52	2 2014 WATER SERVICE REPLACEMENT - SOGR	01/01/2014 12/31	2019 1	18 0	0	0	0	148	0	0	0		0 0
0 59	9 2015 WATER SERVICE REPLACEMENT - SOGR	01/01/2015 12/31	2019 8	S5 0	0	0	0	865	0	0	0		0 0
0 68	8 2016 WATER SERVICE REPLACEMENT - SOGR	01/01/2016 12/31	2019 3,9	92 0	0	0	0	3,992	0	0	0		0 0
0 71	1 WATER SERVICE REPAIR - WM REHAB PROGRAM	01/01/2016 12/31	2019 19,0	35 0	0	0	0	19,035	0	0	0		0 0
0 74	4 REPLACEMENT OF FROZEN SERVICES	01/01/2016 12/31	2019 2	0 0	0	0	0	240	0	0	0		0 0
0 75	5 WSR CUT REPAIRS WITH WM SL	01/01/2016 12/31	2019 1,6	13 0	0	0	0	1,613	0	0	0		0 0
0 78	8 2011 WATER SERVICE REPAIR	01/01/2016 12/31	2019	12 0	0	0	0	12	0	0	0		0 0
0 84	4 2017 WATER SERVICE REPLACEMENT - SOGR	01/01/2016 12/31	2019 6,3	74 0	0	0	0	6,374	0	0	0		0 0
0 85	5 2018 WATER SERVICE REPLACEMENT - SOGR	01/01/2018 12/31	2020 10,0	0 0	0	0	0	10,000	0	0	0		0 0
0 108	8 2019 WATER SERVICE REPLACEMENT - SOGR	01/01/2019 12/31	2021 10,0	0 0	0	0	0	10,000	0	0	0		0 0
0 109	9 2015 WATER SERVICE REPLACEMENT - S-CHANGE IN S	C(01/01/201912/31	2020 -73	33 0	0	0	0	-733	0	0	0		0 0
0 110	0 2016 WATER SERVICE REPLACEMENT - S-CHANGE IN S	C(01/01/201912/31	2020 -3,4	24 0	0	0	0	-3,424	0	0	0		0 0
0 111	1 2017 WATER SERVICE REPLACEMENT - S-CHANGE IN S	C(01/01/201912/31	2020 -5,4	72 0	0	0	0	-5,472	0	0	0		0 0
0 112	2 2018 WATER SERVICE REPLACEMENT - S-CHANGE IN S	C(01/01/201912/31	2021 -5,4	19 0	0	0	0	-5,449	0	0	0		0 0
0 113	3 2019 WATER SERVICE REPLACEMENT - S-CHANGE IN S	C(01/01/201912/31	2021 -5,0	00 0	0	0	0	-5,000	0	0	0		0 0
0 114	4 WATER SERVICE REPAIR - LEAD PROGRA-CHANGE IN S	SC01/01/2019 12/31	2022 -4,4	0	0	0	0	-4,410	0	0	0		0 0
0 115	5 2012 WATER SERVICE REPLC - SOGR-CHANGE IN SCOP	PE01/01/2019 12/31	2019 -	0 0	0	0	0	-60	0	0	0		0 0
0 116	6 WSR CUT REPAIR-CHANGE IN SCOPE	01/01/2019 12/31	2022 3,5	0	0	0	0	3,502	0	0	0		0 0
0 117	7 2013 WSR-CHANGE IN SCOPE	01/01/2019 12/31	2019 -1	0	0	0	0	-133	0	0	0		0 0



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Project/Fi	inancing		2019					Financ	ing				
Priority P	Project Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> <u>WAT</u>	906934 DIST WATER SERVICE REPAIR												
0	118 WATER SERVICE REPAIR - WM REHAB PR-CHANGE II	N SC01/01/201912/31/2022	-13,150	0	0	0	0	-13,150	0	0	0		0 0
0	119 2014 WATER SERVICE REPLACEMENT - S-CHANGE IN	N SC(01/01/201912/31/2020	-118	0	0	0	0	-118	0	0	0		0 0
0	121 WSR CUT REPAIRS WITH WM SL-CHANGE IN SCOPE	01/01/2019 12/31/2022	-893	0	0	0	0	-893	0	0	0		0 0
0	122 REPLACEMENT OF FROZEN SERVICES-CHANGE IN S	SCOF01/01/2019 12/31/2019	-240	0	0	0	0	-240	0	0	0		0 0
0	123 2011 WSR-CHANGE IN SCOPE	11/08/2018 12/31/2019	3	0	0	0	0	3	0	0	0		0 0
		Project Sub-total:	31,121	0	0	0	0	31,121	0	0	0		0 0
0 WAT	906935 NEW SERVICE CONNECTIONS			İ									
0	2 NEW SERVICE CONNECTIONS - CUT REPAIRS	01/01/2008 12/31/2019	5,377	0	0	0	0	5,377	0	0	0		0 0
0	7 NEW SERVICE CONNECTIONS - SITE SERVICING	01/01/2010 12/31/2019	6,946	0	0	0	0	6,946	0	0	0		0 0
0	26 NEW SERVICE CONNECTIONS - SITE SER-CHANGE IF	N SC 01/01/2019 12/31/2021	24,213	0	0	0	0	24,213	0	0	0		0 0
0	27 NEW SERVICE CONNECTIONS - CUT REPA-CHANGE	IN S(01/01/201912/31/2022	5,300	0	0	0	0	5,300	0	0	0		0 0
		Project Sub-total:	41,836	0	0	0	0	41,836	0	0	0		0 0
0 WAT	906951 ENGINEERING	•		<u>.</u>									
0	2 CONSULTING FEES	01/01/2006 12/31/2019	21,842	0	0	0	0	21,842	0	0	0		0 0
0	63 ROAD RESTORATION	01/01/2006 12/31/2020	,	0	0	0	0	2,621	0	0	0		0 0
0	78 ECS SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019	,	0	0	0	0	14,491	0	0	0		0 0
0	79 TW SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019	,	0	0	0	0	2,148	0	0	0		0 0
0	80 LEGAL SERVICES SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019			0	0	0	225	0	0	0		0 0
0	81 ROAD RESTORATION-CHANGE IN SCOPE	01/01/2019 12/31/2022	-1,473	0	0	0	0	-1,473	0	0	0		0 0
0	82 CONSULTING FEES-CHANGE IN SCOPE	01/01/2019 12/31/2026	-8,002	0	0	0	0	-8,002	0	0	0		0 0
0	83 PPFA SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019	2,935	0	0	0	0	2,935	0	0	0		0 0
0	84 PMMD SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019	311	0	0	0	0	311	0	0	0		0 0
		Project Sub-total:	35,098	0	0	0	0	35,098	0	0	0		0 0
0 WAT	906977 ISLAND W.T.P. R&R												
0	1 FACILITY & PROCESS UPGRADES	01/01/2006 12/31/2022	375	0	0	0	0	375	0	0	0		0 0
0	12 FACILITY UPGRADE - FORMER MARINE YARD	01/01/2011 12/31/2019	2,164	0	0	0	0	2,164	0	0	0		0 0
0	32 TRAVELLING SCREEN REPLACEMENT	01/01/2015 12/31/2019	,	0	0	0	0	440	0	0	0		0 0
0	50 AMMONIA AND FLUORIDE SYSTEM UPGRADES	01/01/2014 12/31/2019	7,948	0	0	0	0	7,948	0	0	0		0 0
0	51 CHEMICAL SYSTEMS` ELECTRICAL FEED DISTRIBUT	ION 01/01/2014 12/31/2019	,	0	0	0	0	1	0	0	0		0 0
0	54 FILTER MEDIA REPLC - FUTURE	01/01/2019 12/31/2028		0	0	0	0	300	0	0	0		0 0
0	70 PLANTWIDE HVAC UPGRADES	01/01/2015 12/31/2019	2,220	0	0	0	0	2,220	0	0	0		0 0
0	83 RAW WATER INTAKE CLEANING	01/01/2016 12/31/2019	1,225	0	0	0	0	1,225	0	0	0		0 0
0	110 AMMONIA AND FLUORIDE SYSTEM UPGRAD-CHANGE	E IN {01/01/201912/31/2022	-7,122	0	0	0	0	-7,122	0	0	0		0 0



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/F	inancing		2019					Financ	ing				<del></del>
Priority	Project Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	T906977 ISLAND W.T.P. R&R												
0	111 TRAVELLING SCREEN REPLACEMENT-CHANGE IN SCOPE	01/01/2019 12/31/2023	-10	0	0	0	0	-10	0	0	0		0 0
0	112 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2022	195	0	0	0	0	195	0	0	0		0 0
0	117 ISLAND PHOTOVOLTAIC SYSTEM	01/01/2019 12/31/2022	100	0	0	0	0	100	0	0	0		0 0
0	118 FIS - JSPS CROSS HARBOUR TUNNEL REHABILITATION	08/27/2018 12/31/2020	500	0	0	0	0	500	0	0	0		0 0
0	119 FACILITY UPGRADE - FORMER MARINE Y-CHANGE IN SCC	01/01/2019 12/31/2020	-827	0	0	0	0	-827	0	0	0		0 0
0	121 PLANTWIDE HVAC UPGRADES-CHANGE IN SCOPE	01/01/201912/31/2022	-1,644	0	0	0	0	-1,644	0	0	0		0 0
	Pr	oject Sub-total:	5,865	0	0	0	0	5,865	0	0	0		0 0
0 WA	T907353 LAWRENCE ALLAN REVITALIZATION PLAN												
0	1 LAWRENCE ALLAN REVITALIZATION PLAN - INTERNAL	01/01/2013 12/31/2022	11,668	0	0	11,668	0	0	0	0	0		0 0
0	2 LAWRENCE ALLAN REVITALIZATION PLAN - EXTERNAL	01/01/201312/31/2021	250	0	0	250	0	0	0	0	0		0 0
0	13 LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SC	01/01/2019 12/31/2021	-8,368	0	0	-8,368	0	0	0	0	0		0 0
0	14 LAWRENCE ALLAN REVITALIZATION PLAN-CHANGE IN SC	01/01/2019 12/31/2022	-250	0	0	-250	0	0	0	0	0		0 0
	Pr	oject Sub-total:	3,300	0	0	3,300	0	0	0	0	0		0 0
0 WA	T907558 REGENT PARK CAPITAL CONTRIBUTION												
0		01/01/2016 12/31/2024	1,133	0	0	1,133	0	0	0	0	0		0 0
0	16 REGENT PARK CAPITAL CONTRIBUTIONCHANGE IN SCI	01/01/201912/31/2021	-591	0	0	-591	0	0	0	0	0		0 0
	Pr	oject Sub-total:	542	0	0	542	0	0	0	0	0		0 0
0 WA	T907946 BUSINESS IT PROJECTS	•											
0		01/01/2014 12/31/2019	1,554	0	0	0	0	1,554	0	0	0		0 0
0	18 ENTERPRISE WORK MANAGEMENT SYSTEM -CHANGE IN		-654	0	0	0	0	-654	0	0	0		0 0
Ü		oiect Sub-total:	900	0	0	0	0	900	0	0	0		0 0
0 18/8		oject oub total.	000	Ü									
	T908087 TRUNK WATERMAIN	04/04/004540/04/0040	E 004	0	0	0	0	E 004	0	0	0		0 0
0		01/01/2015 12/31/2019	5,801 4,369	0	0	0	0	5,801 2,184	0	0	0 2,185		0 0
0		01/01/2016 12/31/2019 01/01/2015 12/31/2021	4,369 50	0	0	0	0	2,104	0	0	2,100		0 0
0	6 3RD PARTY RELOCATIONS (METROLINX)  16 TRANSMISSION SYSTEM AUTOMATION-CHANGE IN SCOP		-5,381	0	0	0	0	-5,381	0	0	0		0 0
0	17 JOS - REVENUE METER REPLACEMENT-CHANGE IN SCOP		-929	0	0	0	0	-464	0	0	-465		0 0
U		oject Sub-total:	3,910	0	0	0	0	2,190	0	0	1,720		0 0
0 14/4		oject oub-total.	5,510				0	2,130			1,720		
	T908248 WT&S PLANTWIDE	04/04/0040 40/04/05 : 5	0.45	•	•	_	_	0.46	_	_	-		
0		01/01/2016 12/31/2019	248	0	0	0	0	248	0	0	0		0 0
0		01/01/2016 12/31/2019	738	0	0	0	0	738	0	0	0		0 0
0		01/01/2019 12/31/2023	250	0	0	0	0	250	0	0	0		0 0
0	6 STANDBY POWER - PHASE 2 - ENG	01/01/2016 12/31/2019	1,768	0	0	111	0	1,127	0	0	530		0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

Water Program Sub-Project Summary

Proj	ect/Financing			2019					Financ	ing				
Prio	rity Project	Project Name	Start Date Comp		Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u>	WAT908248	WT&S PLANTWIDE				J				Ourrent				
C	) 10 U\	/ DISINFECTION - ISLAND WTP - ENGINEERING 0	1/01/2016 12/31/	2019 1,251	0	0	0	0	1,251	0	0	0	C	0
C	) 12 S	CRUBBER AND TONNER CONNECTION IMPROVEMENTS	1/01/2016 12/31/	2019 1,956	0	0	128	0	1,241	0	0	587	C	0
C	) 18 SC	DURCE WATER PROTECTION-LAKE ONTARIO COLLABOIO	1/01/2018 12/31/	2020 375	0	0	0	0	375	0	0	0	C	0
C	21 SC	CRUBBER AND TONNER CONNECTION IMP-CHANGE IN 10	1/01/2019 12/31/	2025 -1,415	0	0	-72	0	-918	0	0	-425	C	0
C	) 22 U\	/ DISINFECTION - CONCEPTUAL DESIG-CHANGE IN SC(0	1/01/2019 12/31/	2019 -248	0	0	0	0	-248	0	0	0	C	0
C	23 SC	DURCE WATER PROTECTION-LAKE ONTAR-CHANGE IN 10	1/01/2019 12/31/	2022 -375	0	0	0	0	-375	0	0	0	C	0
C	24 U\	/ DISINFECTION - ISLAND WTP - ENG-CHANGE IN SCOP0	1/01/2019 12/31/	2024 -606	0	0	0	0	-606	0	0	0	C	0
C	25 S1	ANDBY POWER - PHASE 2 - ENG-CHANGE IN SCOPE 0	1/01/2019 12/31/	2025 -608	0	0	9	0	-435	0	0	-182	C	0
C	26 ZE	BRA MUSSEL CONTROL - ENG-CHANGE IN SCOPE 0	1/01/2019 12/31/	2024 -388	0	0	0	0	-388	0	0	0	C	0
		Pro	oject Sub-total	2,946	0	0	176	0	2,260	0	0	510	C	0
Pro	gram Total:			350,393	0	0	28,710	0	315,566	0	0	6,117	C	0

Status Code Description

S2 S2 Prior Year (With 2019 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2019 and\or Future Year Cost\Cashflow)

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

**M**TORONTO

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

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



# Appendix 9: 2019 Capital Budget with Financing Detail

Project/F	inancing		2019					Financ	cing				
Priority F	-	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WAS	S000007 ASHBRIDGES BAY WWTP REHAB												
0	19 FERROUS UPGRADES	01/01/2013 12/31/2019	7,097	0	0	583	0	6,514	0	0	0		0 0
0	30 ELECTRICAL REHAB - ECAP	01/01/2005 12/31/2020	2,785	0	0	0	0	2,785	0	0	0		0 0
0	41 POLYMER UPGRADE	01/01/2014 12/31/2019	21,950	0	0	0	0	21,950	0	0	0		0 0
0	47 P BLDG HEADWORKS ENG DESIGN&CONTRACT ADMIN	01/01/2005 12/31/2019	2,082	0	0	227	0	1,855	0	0	0		0 0
0	49 PROCESS UPGRADES & ODOUR CONTROL ENGINEER	N(01/01/2005 12/31/2019	81	0	0	8	0	73	0	0	0		0 0
0	189 PROCESS AND EQUIPMENT	01/01/2013 12/31/2019	1,463	0	0	0	0	1,463	0	0	0		0 0
0	190 GROUND AND FACILITIES	01/01/2013 12/31/2019	696	0	0	0	0	696	0	0	0		0 0
0	215 DIGESTERS CLEANING REHAB - TANKS 14, 16, 13	01/01/2014 12/31/2019	5,566	0	0	0	0	5,566	0	0	0		0 0
0	216 OPERATIONS CENTRE - ENGINEERING	01/01/2016 12/31/2019	260	0	0	0	0	260	0	0	0		0 0
0	226 ABTP - PROCESS ROADMAP PHASE 2	01/01/2015 12/31/2019	1,000	0	0	0	0	1,000	0	0	0		0 0
0	227 AIR HEADER REHAB	01/01/2015 12/31/2019	2,637	0	0	0	0	2,637	0	0	0		0 0
0	229 D BUILDING PHASE 2	01/01/2015 12/31/2019	2,144	0	0	0	0	2,144	0	0	0		0 0
0	246 NEW FLEET PURCHASES	01/01/2016 12/31/2022	2 25	0	0	0	0	25	0	0	0		0 0
0	256 DIGESTER CLEANING - 10 YEAR PLAN	01/01/2019 12/31/202	200	0	0	0	0	200	0	0	0		0 0
0	264 HVAC CONVERSION Z-BLDG	01/01/2016 12/31/2019	28	0	0	0	0	28	0	0	0		0 0
0	285 BLOWER 7-9 OVERHAUL	01/01/2016 12/31/2019	500	0	0	0	0	500	0	0	0		0 0
0	292 BLOWER STUDY	01/01/2018 12/31/2019	100	0	0	0	0	100	0	0	0		0 0
0	306 BLOWER STUDY-CHANGE IN SCOPE	01/01/2019 12/31/2019	-100	0	0	0	0	-100	0	0	0		0 0
0	308 D BUILDING PHASE 2-CHANGE IN SCOPE	01/01/2019 12/31/2024	-1,046	0	0	0	0	-1,046	0	0	0		0 0
0	309 AIR HEADER REHAB-CHANGE IN SCOPE	01/01/2019 12/31/2020	-2,176	0	0	0	0	-2,176	0	0	0		0 0
0	310 DIGESTERS CLEANING REHAB - TANKS 1-CHANGE IN S	C(01/01/201912/31/202	-1,762	0	0	0	0	-1,762	0	0	0		0 0
0	311 POLYMER UPGRADE-CHANGE IN SCOPE	01/01/2019 12/31/2029	-20,525	0	0	0	0	-20,525	0	0	0		0 0
0	312 GROUND AND FACILITIES-CHANGE IN SCOPE	01/01/2019 12/31/2023	-96	0	0	0	0	-96	0	0	0		0 0
0	313 PROCESS AND EQUIPMENT-CHANGE IN SCOPE	01/01/2019 12/31/2023	-290	0	0	0	0	-290	0	0	0		0 0
0	314 FERROUS UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2020	-1,754	0	0	208	0	-1,962	0	0	0		0 0
0	315 ELECTRICAL REHAB - ECAP-CHANGE IN SCOPE	01/01/2019 12/31/202	-2,294	0	0	0	0	-2,294	0	0	0		0 0
0	316 P BLDG HEADWORKS ENG DESIGN&CONTRA-CHANGE	IN01/01/2019 12/31/202	-384	0	0	28	0	-412	0	0	0		0 0
0	317 PROCESS UPGRADES & ODOUR CONTROL E-CHANGE	IN 01/01/2019 12/31/2020	-60	0	0	-5	0	-55	0	0	0		0 0
0	318 HEATING AND AIR SYSTEMS	01/01/2019 12/31/2029	705	0	0	0	0	705	0	0	0		0 0
0	320 EAST BYPASS	01/01/2019 12/31/202	250	0	0	0	0	250	0	0	0		0 0
0	321 ABTP SOLAR PV PILOT PROJECT	01/01/2019 12/31/2022	250	0	0	0	0	250	0	0	0		0 0
0	322 SECONDARY CLARIFIER CROSS COLLECTOR UPGR TA	NF01/01/2019 12/31/202	75	0	0	0	0	75	0	0	0		0 0
0	324 ABTP - PROCESS ROADMAP PHASE 2-CHANGE IN SCO	PE01/01/201912/31/202	-500	0	0	0	0	-500	0	0	0		0 0

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



#### CITY OF TORONTO

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project	t/Financing			2019					Financ	ing				
Priority	y Project Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverab
0 W	/AS000007 ASHBRIDGES BAY WWTP REHAB													
0	326 OPERATIONS CENTRE - ENGINEERING-CHANGE IN S	COP01/01/2019	12/31/2019	-10	0	0	0	0	-10	0	0	0		0
		Project Sub	-total:	18,897	0	0	1,049	0	17,848	0	0	0		0
<u>0</u> W	/AS000115 HUMBER T.P.													
0	9 CO-GENERATION	01/01/2005	12/31/2019	87	0	0	0	0	87	0	0	0		0
0	64 CO-GENERATION-CHANGE IN SCOPE	11/08/2018	12/31/2019	33	0	0	0	0	33	0	0	0		0
		Project Sub	-total:	120	0	0	0	0	120	0	0	0		0
<u>0</u> W	/AS000259 TRUNK SEWER SYSTEM													
0	15 TRUNK SEWER REHABILITATION - 2012	01/01/2012	12/31/2019	1,093	0	0	0	0	1,093	0	0	0		0
0	27 TRUNK SEWER REHABILITATION - 2014	01/01/2014	12/31/2019	23,755	0	0	0	0	23,755	0	0	0		0
0	34 BLACK CREEK STS EA	01/01/2008	12/31/2019	1,352	0	0	0	0	1,352	0	0	0		0
0	47 TRUNK SEWER REHABILITATION - 2016	01/01/2016	12/31/2019	22,085	0	0	0	0	22,085	0	0	0		0
0	53 TRUNK SEWER REHABILITATION - 2018	01/01/2016	12/31/2024	13,962	0	0	0	0	13,962	0	0	0		0
0	62 TRUNK SEWER REHABILITATION - 2012-CHANGE IN S	COP01/01/2019	12/31/2021	-742	0	0	0	0	-742	0	0	0		0
0	63 TRUNK SEWER REHABILITATION - 2016-CHANGE IN S	COP01/01/2019	12/31/2022	-10,775	0	0	0	0	-10,775	0	0	0		0
0	64 BLACK CREEK STS EA-CHANGE IN SCOPE	01/01/2019	12/31/2020	-887	0	0	0	0	-887	0	0	0		0
0	65 TRUNK SEWER REHABILITATION - 2018-CHANGE IN S	COP01/01/2019	12/31/2024	-7,439	0	0	0	0	-7,439	0	0	0		0
0	66 TRUNK SEWER REHABILITATION - 2014-CHANGE IN S	COP01/01/2019	12/31/2022	-15,447	0	0	0	0	-15,447	0	0	0		0
0	67 TRUNK SEWER REHABILITATION - 2019	01/01/2019	12/31/2026	775	0	0	0	0	775	0	0	0		0
0	68 LOWER SIMCOE CSO	01/01/2019	12/31/2025	700	0	0	0	0	700	0	0	0		0
		Project Sub	-total:	28,432	0	0	0	0	28,432	0	0	0		0
<u>0</u> W	/AS000442 BASEMENT FLOODING RELIEF													
0	1 BASEMENT FLOODING PROTECTION SUBSIDY PROG	RAM01/01/2005	12/31/2020	5,500	0	0	0	0	5,500	0	0	0		0
0	8 BASEMENT FLOODING STUDIES & EAS	01/01/2006	12/31/2019	701	0	0	7	0	694	0	0	0		0
0	9 BASEMENT FLOODING RELIEF - TUNNEL PROJECT	01/01/2013	12/31/2019	5,446	0	0	96	0	5,350	0	0	0		0
0	12 ROAD RESTORATION FOR BSMT FLDG PRJS	01/01/2012	12/31/2019	292	0	0	2	0	290	0	0	0		0
0	14 BASEMENT FLOODING DESIGN - GROUP 1	01/01/2008	12/31/2019	1,206	0	0	20	0	1,186	0	0	0		0
0	18 BASEMENT FLOODING DESIGN - GROUP 2	01/01/2011	12/31/2019	3,135	0	0	15	0	3,120	0	0	0		0
0	19 BASEMENT FLOODING RELIEF - GROUP 2	01/01/2014	12/31/2019	16,906	0	0	450	0	16,456	0	0	0		0
0	20 BASEMENT FLOODING DESIGN - GROUP 3	01/01/2014	12/31/2019	2,219	0	0	54	0	2,165	0	0	0		0
0	29 BASEMENT FLOODING RELIEF - GROUP 1	01/01/2010	12/31/2019	2,528	0	0	2	0	2,526	0	0	0		0
0	76 BASEMENT FLOODING FLOW MONITORING	01/01/2016	12/31/2020	954	0	0	0	0	954	0	0	0		0
0	77 BASEMENT FLOODING DESIGN - GROUP 4 (ENGINEE	RINC01/01/2015	12/31/2019	34,297	0	0	513	0	33,784	0	0	0		0
0	81 BASEMENT FLOODING STUDIES & EAS-CW IMPLEME	NTA701/01/2014	12/31/2019	5,758	0	0	65	0	5,693	0	0	0		0

**M**TORONTO

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

Droin of/F	Unancina		00.10	I				Cine:	lna				
Project/F Priority F	•	Start Date Completion	2019 Cash Flow	Provincial	Federal	Developmt	Reserves	Financ Reserve	Capital	Other 1	Other 2	Debt	Debt -
i iloiity i	Toject Troject Hame	Date		Grants Subsidies	Subsidy	Charges		Funds	From Current				Recoverable
0 WAS	S000442 BASEMENT FLOODING RELIEF												
0	89 BASEMENT FLOODING RELIEF - GROUP 4 (CONSTRUCTION)	1/01/2016 12/31/2019	39,481	0	0	1,020	0	38,461	0	0	0	(	0
0	107 BASEMENT FLOODING RELIEF - GROUP 3 (CONSTRUCTIO			0	0	396	0	12,047	0	0	0	(	0
0	132 BASEMENT FLOODING STUDIES & EAS-CW-CHANGE IN S0		-1,238	0	0	613	0	-1,851	0	0	0	(	0
0	133 BASEMENT FLOODING RELIEF - GROUP 1-CHANGE IN SCO	1/01/2019 12/31/2020	-2,407	0	0	16	0	-2,423	0	0	0	(	0
0	134 BASEMENT FLOODING DESIGN - GROUP 3-CHANGE IN SCO	1/01/201912/31/2021	-282	0	0	237	0	-519	0	0	0	(	0
0	135 BASEMENT FLOODING DESIGN - GROUP 4-CHANGE IN SCO	1/01/2019 12/31/2027	-17,697	0	0	1,977	0	-19,674	0	0	0	(	0
0	136 BASEMENT FLOODING RELIEF - GROUP 4-CHANGE IN SCO	1/01/2019 12/31/2028	-15,156	0	0	2,629	0	-17,785	0	0	0	(	0
0	137 BASEMENT FLOODING STUDIES & EAS-CHANGE IN SCOP0	1/01/201912/31/2022	-616	0	0	6	0	-622	0	0	0	(	0
0	138 BASEMENT FLOODING RELIEF - GROUP 3-CHANGE IN SCO	1/01/2019 12/31/2022	-3,450	0	0	953	0	-4,403	0	0	0	(	0
0	139 BASEMENT FLOODING RELIEF - TUNNEL -CHANGE IN SC(0	1/01/2019 12/31/2027	-1,761	0	0	457	0	-2,218	0	0	0	(	0
0	140 BASEMENT FLOODING DESIGN - GROUP 1-CHANGE IN SCO	1/01/202012/31/2020	-1,076	0	0	0	0	-1,076	0	0	0	(	0
0	141 BASEMENT FLOODING RELIEF - GROUP 2-CHANGE IN SCO	1/01/2019 12/31/2020	-8,554	0	0	803	0	-9,357	0	0	0	(	0
0	142 BASEMENT FLOODING DESIGN - GROUP 2-CHANGE IN SCO	1/01/202012/31/2020	-3,032	0	0	0	0	-3,032	0	0	0	(	0
0	143 BASEMENT FLOODING FLOW MONITORING-CHANGE IN So	1/01/2019 12/31/2020	606	0	0	234	0	372	0	0	0	(	0
0	144 ROAD RESTORATION FOR BSMT FLDG PRJ-CHANGE IN S0	1/01/201912/31/2020	-198	0	0	12	0	-210	0	0	0	(	0
	Pro	ject Sub-total:	76,005	0	0	10,577	0	65,428	0	0	0	(	0
0 WAS	S000521 HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	1											
0	3 HCTP BLDG REHAB & IMPROVEMENTS 0	- 1/01/2012 12/31/2019	1,375	0	0	0	0	1,375	0	0	0	(	0
0	11 HCTP BLDG REHAB & IMPROVEMENTS-CHANGE IN SCOP0	1/01/2019 12/31/2020	-375	0	0	0	0	-375	0	0	0	(	0
	Pro	ject Sub-total:	1,000	0	0	0	0	1,000	0	0	0	(	) 0
0 WAS	S906322 W&WW LABORATORIES	•	<u> </u>										
0		1/01/2018 12/31/2019	7,550	0	0	0	0	7,550	0	0	0	(	0
0		1/01/201812/31/2019 1/01/201812/31/2027	337	0	0	0	0	337	0	0	0	(	
0		1/01/2019 12/31/2028	-337	0	0	0	0	-337	0	0	0	(	-
0		1/01/2019 12/31/2019		0	0	0	0	562	0	0	0	(	
0		1/01/201912/31/2021	-6,500	0	0	0	0	-6,500	0	0	0	(	
Ü		ject Sub-total:	1,612	0	0	0	0	1,612	0	0	0		0 0
0 10/4		,	.,012					.,012					
	S906328 SWM END OF PIPE FACILITIES  11 Pages Crook SWME Construction	4 104 1004 4 4 9 194 199 9	1 750	0	0	1.44	0	1 600	•	•	0	,	) 0
0		1/01/2014 12/31/2022 1/01/2013 12/31/2010	1,750	0		141	0	1,609	0	0	0	(	
0 0		1/01/2012 12/31/2019		0	0	80 26	0	920 264	0	0	0	(	
0	,	1/01/2016 12/31/2019 1/01/2016 12/31/2010		0	0		0	264	0	0	0	(	
•		1/01/2016 12/31/2019		_	-	0	ŭ	•	Ū	ŭ	_	`	
0	72 NORTH TORONTO CSO CONSTR - 2018 SC 0	1/01/2018 12/31/2019	340	U	0	33	0	307	0	0	0	(	0

**M**TORONTO

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

Droicet/Ei	oneing		0010	1				Fina	nina .				
Project/Final Priority Pro	•	Start Date Completion	2019 Cash Flow	Provincial	Federal	Developmt	Reserves	Financ	Capital	Other 1	Other 2	Debt	Debt -
	ojoot Humo	Date		Grants Subsidies	Subsidy	Charges		Funds	From Current				Recoverable
0 WAS9	06328 SWM END OF PIPE FACILITIES												
0	75 Bonar Creek SWMF Construction-CHANGE IN SCOPE	01/01/2019 12/31/2023	-975	0	0	-26	0	-949	0	0	0		0 0
0	76 NORTH TORONTO CSO CONSTR - 2018 SC-CHANGE IN S	(01/01/201912/31/2021	-240	0	0	-18	0	-222	0	0	0		0 0
0	77 HUMBER BAY POND (ETOBICOKE)-CHANGE IN SCOPE	01/01/2019 12/31/2023	-40	0	0	11	0	-51	0	0	0		0 0
0	78 EARL BALES PARK SWM FACILITY - PHA-CHANGE IN SCO	0 01/01/201912/31/2020	-950	0	0	-72	0	-878	0	0	0		0 0
	F	roject Sub-total:	1,176	0	0	175	0	1,001	0	0	0		0 0
0 WAS9	06331 SWM SOURCE CONTROL PROG												
0	9 DOWNSPOUT DISCONNECTION PROGRAM	01/01/2005 12/31/2022	70	0	0	0	0	70	0	0	0		0 0
0	17 DOWNSPOUT DISCONNECTION PROGRAM-CHANGE IN S	3(01/01/2019 12/31/2020	20	0	0	0	0	20	0	0	0		0 0
	F	roject Sub-total:	90	0	0	0	0	90	0	0	0		0 0
0 WAS9	06380 HIGHLAND CREEK WWTP - ODOUR CONTROL												
0	1 ODOUR CONTROL UPGRADES - PHASE 1 ENG	01/01/2008 12/31/2023	190	0	0	15	0	175	0	0	0		0 0
0	2 ODOUR CONTROL UPGRADES - PHASE 1 CONSTR	01/01/2013 12/31/2020	2,418	0	0	195	0	2,223	0	0	0		0 0
0	24 ODOUR CONTROL UPGRADES - PHASE 1 E-CHANGE IN S	S:01/01/2019 12/31/2024	660	0	0	113	0	547	0	0	0		0 0
0	25 ODOUR CONTROL UPGRADES - PHASE 1 C-CHANGE IN S	601/01/201912/31/2021	2,057	0	0	476	0	1,581	0	0	0		0 0
	F	roject Sub-total:	5,325	0	0	799	0	4,526	0	0	0		0 0
0 WAS9	06487 HIGHLAND CREEK T.P IV YR2004												
0	22 PCS PLANT SERVICES	01/01/2017 12/31/2019	1	0	0	0	0	1	0	0	0		0 0
	F	Project Sub-total:	1	0	0	0	0	1	0	0	0		0 0
0 WAS9		•											
0 <u>WASS</u>	1 SWM INA/EA	01/01/2005 12/31/2022	740	0	0	60	0	680	0	0	0		0 0
0	14 WWFMP IMPLEMENTATION - DESIGN	01/01/2008 12/31/2019		0	0	66	0	665	0	0	0		0 0
0	41 SWM CONVEYANCE 2012	01/01/2012 12/31/2019		0	0	3	0	34	0	0	0		0 0
0	58 SWM CONVEYANCE 2015	01/01/2015 12/31/2019		0	0	63	0	722	0	0	0		0 0
0	59 STORM WATER POND ASSESSMENT & CLEANING	01/01/2015 12/31/2019	4,394	0	0	0	0	4,394	0	0	0		0 0
0	60 ASHBRIDGES BAY LANDFORMS	01/01/2015 12/31/2025	3,250	0	0	0	0	3,250	0	0	0		0 0
0	84 SWM CONVEYANCE 2017	01/01/2016 12/31/2019	2,229	0	0	222	0	2,007	0	0	0		0 0
0	86 GREEN STREETS	01/01/2016 12/31/2019	1,451	0	0	155	0	1,296	0	0	0		0 0
0	97 WATERFRONT MODELLING STUDIES	01/01/2016 12/31/2025	25	0	0	2	0	23	0	0	0		0 0
0	109 SWM CONVEYANCE 2012-CHANGE IN SCOPE	01/01/2019 12/31/2019	-37	0	0	-3	0	-34	0	0	0		0 0
0	110 GREEN STREETS-CHANGE IN SCOPE	01/01/201912/31/2023	-444	0	0	-6	0	-438	0	0	0		0 0
0	111 SWM CONVEYANCE 2015-CHANGE IN SCOPE	01/01/2019 12/31/2019	-785	0	0	-63	0	-722	0	0	0		0 0
0	112 SWM CONVEYANCE 2017-CHANGE IN SCOPE	01/01/201912/31/2021	-429	0	0	44	0	-473	0	0	0		0 0
0	113 PUBLIC EDUCATION-CHANGE IN SCOPE	01/01/2019 12/31/2019	535	0	0	79	0	456	0	0	0		0 0

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



#### CITY OF TORONTO

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/l	Financing		2019					Financ	ing				
Priority	Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverab
0 WA	S906492 WET WEATHER FLOW MP												
0	114 SWM INA/EA-CHANGE IN SCOPE	01/01/2019 12/31/2022	77	0	0	61	0	16	0	0	0		0
0	115 WATERFRONT MODELLING STUDIES-CHANGE IN SCOP	E 01/01/201912/31/2025	-25	0	0	-2	0	-23	0	0	0		0
0	116 WWFMP IMPLEMENTATION - DESIGN-CHANGE IN SCOP	E 01/01/201912/31/2024	-633	0	0	-51	0	-582	0	0	0		0
0	117 STORM WATER POND ASSESSMENT & CLEA-CHANGE II	N :01/01/201912/31/2023	-2,143	0	0	0	0	-2,143	0	0	0		0
0	118 ASHBRIDGES BAY LANDFORMS-CHANGE IN SCOPE	01/01/201912/31/2025	3,750	0	0	0	0	3,750	0	0	0		0
		Project Sub-total:	13,508	0	0	630	0	12,878	0	0	0		0
0 WA	AS906495 SEWER ASSET PLANNING												
0	5 SEWER ASSET PLANNING	01/01/2007 12/31/2019	11,404	0	0	915	0	10,489	0	0	0		0
0	7 SEWER SYSTEM INSPECTION	01/01/2010 12/31/2020	7,546	0	0	0	0	7,546	0	0	0		0
0	21 PPD - INFRASTRUCTURE PLANNING STUDIES	01/01/2014 12/31/2019	150	0	0	0	0	150	0	0	0		0
0	39 SEWER SYSTEM INSPECTION-CHANGE IN SCOPE	01/01/2019 12/31/2024	2,454	0	0	0	0	2,454	0	0	0		0
0	40 SEWER ASSET PLANNING-CHANGE IN SCOPE	01/01/2019 12/31/2026	-5,828	0	0	-486	0	-5,342	0	0	0		0
0	41 PPD - INFRASTRUCTURE PLANNING STUD-CHANGE IN	S(01/01/201912/31/2020	25	0	0	0	0	25	0	0	0		0
0	42 CORP IT - IDC-CHANGE IN SCOPE	01/01/201912/31/2019	150	0	0	0	0	150	0	0	0		0
		Project Sub-total:	15,901	0	0	429	0	15,472	0	0	0		0
0 WA	AS906500 NEW SEWER CONSTRUCTION												
0	5 NEW SEWERS	01/01/2008 12/31/2019	88	0	0	60	0	28	0	0	0		0
0	24 WATERFRONT SANITARY MASTER SERVICING PLAN IMI	P 01/01/201512/31/2019	6,500	0	0	3,250	0	3,250	0	0	0		0
0	36 SHEPPARD SANITARY SEWER AT EAST DON STS	01/01/2018 12/31/2020	2,000	0	0	1,244	0	756	0	0	0		0
0	40 WATERFRONT SANITARY MASTER SERVICI-CHANGE IN	S-01/01/2019 12/31/2026	-5,150	0	0	-2,575	0	-2,575	0	0	0		0
0	41 SHEPPARD SANITARY SEWER AT EAST DO-CHANGE IN	S(01/01/201912/31/2023	-2,000	0	0	-1,244	0	-756	0	0	0		0
0	42 NEW SEWERS-CHANGE IN SCOPE	01/01/201912/31/2020	-38	0	0	-10	0	-28	0	0	0		0
		Project Sub-total:	1,400	0	0	725	0	675	0	0	0		0
0 WA	AS906735 DIST SEWER REHAB OPS YR2005												
0	10 GROUP 1 SEWAGE PUMPING STATION UPGRADES	01/01/2005 12/31/2019	16	0	0	2	0	14	0	0	0		0
0	20 GROUP 1 SEWAGE PUMPING STATION UPG-CHANGE IN	S01/01/202012/31/2020	-1	0	0	0	0	-1	0	0	0		0
		Project Sub-total:	15	0	0	2	0	13	0	0	0		0
0 WA	AS906741 HIGHLAND CREEK TP YR2005												
0	1 WAS THICKENING AND DEWATERING - ENG	01/01/2005 12/31/2019	2	0	0	0	0	2	0	0	0		0
0	21 WAS THICKENING AND DEWATERING - EN-CHANGE IN S			0	0	0	0	1	0	0	0		0
-		Project Sub-total:	3	0	0	0	0	3	0	0	0		0
0 WA	S906742 HUMBER TP YR2005												
0	8 ODOUR CONTROL ENGINEERING	01/01/2008 12/31/2021	374	0	0	0	0	374	0	0	0		0

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

Project   Proj	Droinct/F	linanaina		2010	1				Einen	nina .				
MASSIGNATAL HUMBER TP YR2005   0 1011/2018 1/2/31/2020   388   0 0 1114   0 259   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	_		2019 Cash Flow			Developmt	Reserves	Reserve	Capital	Other 1	Other 2	Debt	
WAS906742   HUMBER TP YR2005   0   0   0   0   0   0   0   0   0	Tilonity	1 Tojour Namo	Date			Subsidy	Charges		Funds	_				Recoverable
MASSOSTAS   ASHRIDGES BAY TP YR2005	0 WA	S906742 HUMBER TP YR2005												
Misc Misch Engineering	0	58 ODOUR CONTROL ENGINEERING-CHANGE IN SCOPE	01/01/2019 12/31/2020	383	0	0	114	0	269	0	0	0		0 0
1 MISC MECH ENGINEERING			Project Sub-total:	757	0	0	114	0	643	0	0	0		0 0
1 MISC MECH ENGINEERING	0 WA	S906743 ASHRIDGES BAY TP YR2005	•											
0 63 MISC MECH ENGINEERING-CHANGE IN SCOPE 01/01/201912/31/2022 4.100 0 0 -15 0 .385 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		<u> </u>	01/01/2005 12/31/2019	720	0	0	62	0	658	0	0	0		0 0
0 64 SERVICE AIR UPGRADES-CHANGE IN SCOPE	0	7 SERVICE AIR UPGRADES	01/01/2006 12/31/2019	1,166	0	0	0	0	1,166	0	0	0		0 0
Project Sub-total:	0	63 MISC MECH ENGINEERING-CHANGE IN SCOPE	01/01/2019 12/31/2022	-400	0	0	-15	0	-385	0	0	0		0 0
Massestable   Massestable	0	64 SERVICE AIR UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2020	-1,132	0	0	0	0	-1,132	0	0	0		0 0
1   1   1   1   1   1   1   1   1   1			Project Sub-total:	354	0	0	47	0	307	0	0	0		0 0
1   1   1   1   1   1   1   1   1   1	0 WA	S906755 WESTERN BEACHES RETROFIT												
17 WESTERN BEACHES RETROFIT-CHANGE IN SCOPE   01/01/2019 12/31/2023   5,300   0   0   427   0   4.873   0   0   0   0   0   0   0   0   0	_		01/01/2005 12/31/2019	8.902	0	0	960	0	7.942	0	0	0		0 0
Project Sub-total:   3,602   0   0   533   0   3,069   0   0   0   0   0   0   0   0   0					0				,	0	0			
MAS906926   OPERATIONAL SUPPORT	-				0			0	•	0	0			
0 6 FACILITY RENOVATION 01/01/2006 12/31/2019 1,015 0 0 0 0 1,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	n WA	S906926 OPERATIONAL SUPPORT	•	,										
0 23 EMP MONITORING NEEDS 01/01/2010 12/31/2019 50 0 0 0 50 0 0 0 0 0 0 0 0 0 0 0 0 0			01/01/2006 12/31/2010	1 015	0	0	0	0	1 015	0	0	0		0 0
0 40 PCS UPGRADES FOR WASTEWATER TREATMENT 01/01/2013 12/31/2019 6,842 0 0 0 0 6,842 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						-	-				-			-
0 100 DIVISIONAL SECURITY 01/01/201612/31/2019 1,135 0 0 0 0 1,135 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•					ŭ	ŭ	-		· ·	Ū			-
0 107 OFFICE MODERNIZATION - MH18 01/01/2016 12/31/2020 450 0 0 0 450 0 0 0 0 0 0 0 0 0 0 0 0	•					-			,		_			-
0 114 DISTRICT OPERATIONS FACILITY UPGRADES 01/01/2016 12/31/2022 250 0 0 0 0 250 0 0 0 0 0 0 0 0 0 0	-			,		0	0	_	,	0	0	_		
0 122 435 KIPLING AVENUE 01/01/2018 12/31/2019 2,020 0 0 0 0 2,020 0 0 0 0 0 0 0 0 0 0	0				0	0	0			0	0			
0 123 PCS UPGRADES FOR WASTEWATER TREATM-CHANGE IN01/01/201912/31/2021	0	122 435 KIPLING AVENUE	01/01/2018 12/31/2019		0	0	0	0	2.020	0	0	0		0 0
0 126 DIVISIONAL SECURITY-CHANGE IN SCOPE 01/01/201912/31/2020 47 0 0 0 0 47 0 0 0 0 0 0 0 0 0 0 0 0	0	123 PCS UPGRADES FOR WASTEWATER TREATM-CHANGE	E IN01/01/2019 12/31/2021	-4,746	0	0	0	0	-4,746	0	0	0		0 0
0 128 OFFICE MODERNIZATION - MH18-CHANGE IN SCOPE 01/01/2019 12/31/2020 -450 0 0 0 0 -450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	124 FACILITY RENOVATION-CHANGE IN SCOPE	01/01/2019 12/31/2023	1,823	0	0	0	0	1,823	0	0	0		0 0
0 129 435 KIPLING AVENUE-CHANGE IN SCOPE 01/01/2019 12/31/2021 -1,870 0 0 0 0 -1,870 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	126 DIVISIONAL SECURITY-CHANGE IN SCOPE	01/01/2019 12/31/2020	47	0	0	0	0	47	0	0	0		0 0
Project Sub-total: 6,566 0 0 0 0 0 6,566 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	128 OFFICE MODERNIZATION - MH18-CHANGE IN SCOPE	01/01/2019 12/31/2020	-450	0	0	0	0	-450	0	0	0		0 0
0         WAS906958         SEWER SYSTEM REHABILITATION           0         2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADES01/01/2005 12/31/2019         4         0         0         1         0         3         0         0         0         0         0           0         5 CCTV INSPECTION         01/01/2007 12/31/2019         1,048         0         0         0         0         1,048         0	0	129 435 KIPLING AVENUE-CHANGE IN SCOPE	01/01/2019 12/31/2021	-1,870	0	0	0	0	-1,870	0	0	0		0 0
0 2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRADE\$01/01/200512/31/2019 4 0 0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Project Sub-total:	6,566	0	0	0	0	6,566	0	0	0		0 0
0 5 CCTV INSPECTION 01/01/2007 12/31/2019 1,048 0 0 0 0 1,048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WA	S906958 SEWER SYSTEM REHABILITATION												
0 8 SPS SCADA UPGRADES - ENGINEERING 01/01/2008 12/31/2019 517 0 0 42 0 475 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	2 GROUPS 2, 3 & 4 SEWAGE PUMPING STATION UPGRAI	DES01/01/2005 12/31/2019	4	0	0	1	0	3	0	0	0		0 0
0 9 SEWER REHABILITATION 01/01/2008 12/31/2022 23,854 0 0 0 0 23,854 0 0 0 0	0	,			0	0	0	0	1,048	0	0	0		0 0
	0	8 SPS SCADA UPGRADES - ENGINEERING	01/01/2008 12/31/2019	517	0	0	42	0	475	0	0	0		0 0
	0	9 SEWER REHABILITATION	01/01/2008 12/31/2022	23,854	0	0	0	0	23,854	0	0	0		0 0
	0		01/01/2009 12/31/2019	117	0	0	9	0	108	0	0	0		0 0
0 24 GROUP 5 SEWAGE PUMPING STATION UPGRADES 01/01/201312/31/2019 8,700 0 0 845 0 7,855 0 0 0 0 0	0	24 GROUP 5 SEWAGE PUMPING STATION UPGRADES	01/01/2013 12/31/2019	8,700	0	0	845	0	7,855	0	0	0		0 0

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



#### CITY OF TORONTO

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project	/Financing		Г	2019					Financ	cing				
Priority	Project Name	Start Date 0	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
<u>0</u> W	AS906958 SEWER SYSTEM REHABILITATION													
0	79 SEWER REHABILITATION - CWD	01/01/20161	2/31/2019	55,323	0	0	0	0	55,323	0	0	0		0 0
0	98 SEWER REHABILITATION - CWD-CHANGE IN SCOPE	01/01/20191	2/31/2022	-30,270	0	0	0	0	-30,270	0	0	0		0 0
0	99 GROUP 5 SEWAGE PUMPING STATION UPG-CHANGE IN	S01/01/20191	2/31/2021	-2,254	0	0	109	0	-2,363	0	0	0		0 0
0	100 SEWAGE PUMPING STATION STANDBY POW-CHANGE IN	<b>\</b> {01/01/20191	2/31/2020	-102	0	0	-7	0	-95	0	0	0		0 0
0	101 SPS SCADA UPGRADES - ENGINEERING-CHANGE IN SC	CO01/01/20191	2/31/2020	-324	0	0	-13	0	-311	0	0	0		0 0
0	102 SEWER REHABILITATION-CHANGE IN SCOPE	01/01/20191	2/31/2024	2,860	0	0	0	0	2,860	0	0	0		0 0
0	103 CCTV INSPECTION-CHANGE IN SCOPE	01/01/20191	2/31/2020	68	0	0	0	0	68	0	0	0		0 0
0	105 SEWER REHABILITATION - CUT REPAIRS	01/01/20191	2/31/2022	2,995	0	0	0	0	2,995	0	0	0		0 0
0	106 GROUPS 2, 3 & 4 SEWAGE PUMPING STA-CHANGE IN SO	C(01/01/20191	2/31/2019	2	0	0	0	0	2	0	0	0		0 0
		Project Sub-	total:	62,538	0	0	986	0	61,552	0	0	0		0 0
<u>o</u> w	AS906960 STREAM RESTORATION & EROSION CONTROL													
0	7 STREAM RESTORATION	01/01/20081	2/31/2019	73	0	0	6	0	67	0	0	0		0 0
0	41 WATERCOURSE - ENGINEERING	01/01/20161	2/31/2019	972	0	0	61	0	911	0	0	0		0 0
0	43 PARTNER PROJECTS	01/01/20161	2/31/2021	600	0	0	48	0	552	0	0	0		0 0
0	45 WATERCOURSE - CONSTRUCTION	01/01/20191	2/31/2025	850	0	0	0	0	850	0	0	0		0 0
0	51 STUDIES, EAs, MASTER PLANS	01/01/20161	2/31/2019	3,017	0	0	281	0	2,736	0	0	0		0 0
0	52 CRITICAL REPAIRS	01/01/20161	2/31/2019	3,159	0	0	230	0	2,929	0	0	0		0 0
0	53 EMERGENCY EROSION CONTROL	01/01/20161	2/31/2022	300	0	0	24	0	276	0	0	0		0 0
0	62 STUDIES, EAs, MASTER PLANS -CHANGE IN SCOPE	01/01/20191	2/31/2024	-1,770	0	0	-96	0	-1,674	0	0	0		0 0
0	63 EMERGENCY EROSION CONTROL-CHANGE IN SCOPE	01/01/20191	2/31/2022	2,384	0	0	-24	0	2,408	0	0	0		0 0
0	64 STREAM RESTORATION -CHANGE IN SCOPE	01/01/20191	2/31/2019	-22	0	0	-6	0	-16	0	0	0		0 0
0	65 CRITICAL REPAIRS-CHANGE IN SCOPE	01/01/20191	2/31/2026	-824	0	0	-230	0	-594	0	0	0		0 0
0	66 PARTNER PROJECTS-CHANGE IN SCOPE	01/01/20191	2/31/2021	0	0	0	-48	0	48	0	0	0		0 0
0	67 WATERCOURSE - ENGINEERING-CHANGE IN SCOPE	01/01/20191	2/31/2027	-378	0	0	-61	0	-317	0	0	0		0 0
		Project Sub-	total:	8,361	0	0	185	0	8,176	0	0	0		0 0
0 W	AS906966 SWM TRCA FUNDING		Ī											
0	24 TORONTO WATER TRANSFER TO TRCA CAP-CHANGE IN	<b>\ {</b> 01/01/20191	2/31/2019	4,491	0	0	674	0	3,817	0	0	0		0 0
		Project Sub-	total:	4,491	0	0	674	0	3,817	0	0	0		0 0
0 W	AS906968 ENGINEERING		اً											,
0	2 CONSULTING FEES	01/01/20061	2/31/2019	16,913	0	0	0	0	16,913	0	0	0		0 0
0	59 ROAD RESTORATION	01/01/20061		729	0	0	0	0	729	0	0	0		0 0
0	70 CONSULTING FEES-CHANGE IN SCOPE	01/01/20191		-8,509	0	0	0	0	-8,509	0	0	0		0 0
0	71 ECS SALARIES-CHANGE IN SCOPE	01/01/20191		14,491	0	0	0	0	14,491	0	0	0		0 0

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



#### CITY OF TORONTO

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/F	ect/Financing 2019 Financing												
Priority	Project Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	S906968 ENGINEERING												
0	72 TW SALARIES-CHANGE IN SCOPE	01/01/2019 12/31/2019	1,089	0	0	0	0	1,089	0	0	0		0 0
0	73 ROAD RESTORATION-CHANGE IN SCOPE	01/01/2019 12/31/2019	-59	0	0	0	0	-59	0	0	0		0 0
		Project Sub-total:	24,654	0	0	0	0	24,654	0	0	0		0 0
0 WA	S906973 SEWER REPLACEMENT PROGRAM												
0	25 2012 SEWER REPLC	01/01/2012 12/31/2019	325	0	0	0	0	325	0	0	0		0 0
0	35 2013 SEWER REPLC	01/01/2013 12/31/2019	10	0	0	1	0	9	0	0	0		0 0
0	36 SEWER REPLC - 2014 PROGRAM	01/01/2014 12/31/2019	28	0	0	2	0	26	0	0	0		0 0
0	46 WATERFRONT STORMWATER INFRASTRUCTURE	01/01/2013 12/31/2019	3,250	0	0	2,017	0	1,233	0	0	0		0 0
0	47 EBF REPORT	01/01/201312/31/2019	1,070	0	0	701	0	369	0	0	0		0 0
0	52 SEWER REPLACEMENT - METROLINX	01/01/2014 12/31/2022	1,213	0	0	0	0	1,213	0	0	0		0 0
0	62 SEWER REPLC - 2015 PROGRAM	01/01/2015 12/31/2019	604	0	0	48	0	556	0	0	0		0 0
0	71 SEWER REPLC - 2016 PROGRAM	01/01/2016 12/31/2019	3,694	0	0	297	0	3,397	0	0	0		0 0
0	75 FORCEMAIN REPLACEMENT - 2016	01/01/201612/31/2019	10,354	0	0	0	0	10,354	0	0	0		0 0
0	78 SEWER REPLC - 2017 PROGRAM	01/01/2016 12/31/2019	879	0	0	70	0	809	0	0	0		0 0
0	79 SEWER REPLC - 2018 PROGRAM	01/01/2018 12/31/2019	1,938	0	0	154	0	1,784	0	0	0		0 0
0	98 SEWER REPLC - 2019 PROGRAM	01/01/2019 12/31/2021	18,382	0	0	1,480	0	16,902	0	0	0		0 0
0	100 CSP RENEWAL	01/01/2018 12/31/2019	5,812	0	0	461	0	5,351	0	0	0		0 0
0	102 SEWER REPLC - 2016 PROGRAM-CHANGE IN SCOPE	01/01/201912/31/2020	-3,465	0	0	-279	0	-3,186	0	0	0		0 0
0	103 SEWER REPLC - 2017 PROGRAM-CHANGE IN SCOPE	01/01/201912/31/2020	-721	0	0	-58	0	-663	0	0	0		0 0
0	104 SEWER REPLC - 2018 PROGRAM-CHANGE IN SCOPE	01/01/201912/31/2022	-1,427	0	0	-115	0	-1,312	0	0	0		0 0
0	105 SEWER REPLC - 2019 PROGRAM-CHANGE IN SCOPE	01/01/201912/31/2023	-9,821	0	0	-822	0	-8,999	0	0	0		0 0
0	106 2012 SEWER REPLC-CHANGE IN SCOPE	01/01/201912/31/2020	-320	0	0	0	0	-320	0	0	0		0 0
0	107 CSP RENEWAL-CHANGE IN SCOPE	01/01/201912/31/2021	-1,639	0	0	-140	0	-1,499	0	0	0		0 0
0	108 EBF REPORT-CHANGE IN SCOPE	01/01/2019 12/31/2020	-521	0	0	-437	0	-84	0	0	0		0 0
0	109 WATERFRONT STORMWATER INFRASTRUCTU-CHANG	E II01/01/201912/31/2020	-2,250	0	0	-1,536	0	-714	0	0	0		0 0
0	110 SEWER REPLC - 2014 PROGRAM-CHANGE IN SCOPE	01/01/2019 12/31/2019	-9	0	0	-1	0	-8	0	0	0		0 0
0	111 SEWER REPLC - 2015 PROGRAM-CHANGE IN SCOPE	01/01/201912/31/2020	-394	0	0	-32	0	-362	0	0	0		0 0
0	114 SEWER REPLACEMENT - METROLINX-CHANGE IN SCO	PE01/01/201912/31/2021	-600	0	0	0	0	-600	0	0	0		0 0
0	115 FORCEMAIN REPLACEMENT - 2016-CHANGE IN SCOPE	01/01/201912/31/2022	-6,680	0	0	0	0	-6,680	0		0		0 0
		Project Sub-total:	19,712	0	0	1,811	0	17,901	0	0	0		0 0
0 WA	S906980 ASHBRIDGES BAY T.P. YR2006												
0	9 DEWATERING EQUIPMENT UPGRADES	01/01/2006 12/31/2019	100	0	0	8	0	92	0	0	0		0 0

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



#### CITY OF TORONTO

### Appendix 9: 2019 Capital Budget with Financing Detail

Project/Fi	inancina			2019					Financ	ina					
Priority F	· ·	Start Date	Completion		Provincial	Federal	Developmt	Reserves	Reserve	Capital	Other 1	Other 2	Debt	Debt	
	•		Date		Grants Subsidies	Subsidy	Charges		Funds	From Current				Recover	rable
0 WAS	S906980 ASHBRIDGES BAY T.P. YR2006														
0	45 DEWATERING EQUIPMENT UPGRADES-CHANGE IN SCO	P01/01/2019	12/31/2019	1	0	0	7	0	-6	0	0	0		0	0
	ı	Project Sub-	-total:	101	0	0	15	0	86	0	0	0		0	0
0 WAS	8906981 HIGHLAND CREEK WWTP UPGRADES														_
0	1 PROCESS & FACILITY UPGRADE	01/01/2006	12/31/2019	2,598	0	0	0	0	2,598	0	0	0		0	0
0	3 BIOSOLIDS TREATMENT UPGRADES	01/01/2006	12/31/2019	299	0	0	28	0	271	0	0	0		0	0
0	5 TRANSFORMERS AND SWITCHGEAR	01/01/2006	12/31/2019	198	0	0	16	0	182	0	0	0		0	0
0	7 MECH & ELECTRICAL UPGRADE ENGINEERING	01/01/2006	12/31/2019	60	0	0	0	0	60	0	0	0		0	0
0	8 DIGESTER GAS SYSTEM UPGRADES	01/01/2011	12/31/2020	3,668	0	0	0	0	3,668	0	0	0		0	0
0	23 ELECTRICAL UPGRADES - ECAR	01/01/2012	12/31/2019	5,122	0	0	0	0	5,122	0	0	0		0	0
0	32 CEPA COMPLIANCE - CL NOTICE - HCTP	01/01/2009	12/31/2019	5,561	0	0	0	0	5,561	0	0	0		0	0
0	80 DIGESTER CLEANING, REHAB AND IMPROVEMENTS #4-	7 01/01/2014	12/31/2022	189	0	0	0	0	189	0	0	0		0	0
0	92 LIQUID TRAIN REPAIRS - PHASE 1	01/01/2015	12/31/2019	36,371	0	0	0	0	36,371	0	0	0		0	0
0	102 LIQUID TRAIN - ENGINEERING	01/01/2015	12/31/2027	4,155	0	0	0	0	4,155	0	0	0		0	0
0	123 COMMUNICATION SYSTEM	01/01/2016	12/31/2019	600	0	0	0	0	600	0	0	0		0	0
0	152 DIGESTER CLEANING, REHAB AND IMPRO-CHANGE IN S	SC01/01/2019	12/31/2022	341	0	0	0	0	341	0	0	0		0	0
0	153 LIQUID TRAIN REPAIRS - PHASE 1-CHANGE IN SCOPE	01/01/2019	12/31/2025	-33,451	0	0	0	0	-33,451	0	0	0		0	0
0	154 BIOSOLIDS TREATMENT UPGRADES -CHANGE IN SCOPE	E 01/01/2019	12/31/2020	-240	0	0	-19	0	-221	0	0	0		0	0
0	155 DIGESTER GAS SYSTEM UPGRADES-CHANGE IN SCOPE	E 01/01/2019 €	12/31/2021	432	0	0	0	0	432	0	0	0		0	0
0	156 TRANSFORMERS AND SWITCHGEAR-CHANGE IN SCOPE	E 01/01/2019 €	12/31/2021	2	0	0	14	0	-12	0	0	0		0	0
0	157 PROCESS & FACILITY UPGRADE-CHANGE IN SCOPE	01/01/2019	12/31/2025	-1,644	0	0	0	0	-1,644	0	0	0		0	0
0	158 ELECTRICAL UPGRADES - ECAR-CHANGE IN SCOPE	01/01/2019	12/31/2020	-4,692	0	0	0	0	-4,692	0	0	0		0	0
0	159 LIQUID TRAIN - ENGINEERING-CHANGE IN SCOPE	01/01/2019	12/31/2028	-1,705	0	0	0	0	-1,705	0	0	0		0	0
0	161 MECH & ELECTRICAL UPGRADE ENGINEER-CHANGE IN	S01/01/2019	12/31/2019	-60	0	0	0	0	-60	0	0	0		0	0
0	162 CEPA COMPLIANCE - CL NOTICE - HCTP-CHANGE IN SC	O 01/01/2019 1	12/31/2024	-4,661	0	0	0	0	-4,661	0	0	0		0	0
0	163 COMMUNICATION SYSTEM-CHANGE IN SCOPE	01/01/2019	12/31/2023	-250	0	0	0	0	-250	0	0	0		0	0
	ı	Project Sub-	-total:	12,893	0	0	39	0	12,854	0	0	0		0	0
<u>0</u> WAS	S906982 HUMBER WWTP UPGRADES														
0	2 CHLORINE FACILITY UPGRADE	01/01/2006	12/31/2019	718	0	0	0	0	718	0	0	0		0	0
0	6 NEW SUBSTATION	01/01/2006	12/31/2019	77	0	0	0	0	77	0	0	0		0	0
0	7 ELECTRICAL CONDITION ASSESSMENT RECOMMENDAT	T(01/01/2006	12/31/2019	2,285	0	0	0	0	2,285	0	0	0		0	0
0	29 ADMIN BUILDING EXPANSION - ENGINEERING	01/01/2010	12/31/2022	710	0	0	0	0	710	0	0	0		0	0
0	52 HVAC UPGRADES	01/01/2013	12/31/2019	5,978	0	0	0	0	5,978	0	0	0		0	0
0	81 BLOWER REPLACEMENT	01/01/2016	12/31/2019	5	0	0	0	0	5	0	0	0		0	0
0	82 DIGESTERS CLEANING REHAB	01/01/2018	12/31/2019	5,400	0	0	0	0	5,400	0	0	0		0	0

**M**TORONTO

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

**Wastewater Program Sub-Project Summary** 

Project/Financing Priority Project Project Name	Start Date Completion	2019										
	Date Date	Cash Flow	Provincial Grants	Federal Subsidy		Reserves	Finance Reserve Funds	Capital From	Other 1	Other 2	Debt	Debt - Recoverable
-	Date		Subsidies	Subsidy	Charges		Fullus	Current				Recoverable
0 WAS906982 HUMBER WWTP UPGRADES												
0 95 REPLACEMENT OF WASTE GAS BURNERS	01/01/2016 12/31/2019	8,211	0	0	0	0	8,211	0	0	0		0 0
0 99 WET WEATHER FLOW	01/01/2016 12/31/2019	540	0	0	0	0	540	0	0	0		0 0
0 107 MESI UPGRADES	01/01/2016 12/31/2019	600	0	0	0	0	600	0	0	0		0 0
0 114 FIELD OFFICE	01/01/2017 12/31/2019	324	0	0	0	0	324	0	0	0		0 0
0 115 ADMIN BUILDING EXPANSION - CONSTRUCTION	01/01/2018 12/31/2019	1,568	0	0	0	0	1,568	0	0	0	(	0 0
0 116 SERVICE REHAB AND UPGRADES	01/01/2016 12/31/2023	600	0	0	0	0	600	0	0	0	(	0 0
0 129 ELECTRICAL CONDITION ASSESSMENT RE-CHANGE	IN S(01/01/201912/31/2021	-2,200	0	0	0	0	-2,200	0	0	0		0 0
0 130 ADMIN BUILDING EXPANSION - CONSTRU-CHANGE	N SC 01/01/2019 12/31/2022	-168	0	0	0	0	-168	0	0	0	(	0 0
0 131 ADMIN BUILDING EXPANSION - ENGINEE-CHANGE IN	I SCC01/01/201912/31/2022	69	0	0	0	0	69	0	0	0		0 0
0 132 CHLORINE FACILITY UPGRADE-CHANGE IN SCOPE	01/01/2019 12/31/2019	-718	0	0	0	0	-718	0	0	0	(	0 0
0 133 DIGESTERS CLEANING REHAB-CHANGE IN SCOPE	01/01/2019 12/31/2022	-2,400	0	0	0	0	-2,400	0	0	0		0 0
0 134 MESI UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2022	-49	0	0	0	0	-49	0	0	0		0 0
0 136 SECURITY UPGRADES	01/01/2019 12/31/2021	250	0	0	0	0	250	0	0	0		0 0
0 137 NEW SUBSTATION-CHANGE IN SCOPE	01/01/2019 12/31/2020	29	0	0	0	0	29	0	0	0		0 0
0 138 FLOOD PROTECTION-CHANGE IN SCOPE	01/01/2019 12/31/2020	300	0	0	0	0	300	0	0	0		0 0
0 139 HVAC UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2021	-2,038	0	0	0	0	-2,038	0	0	0		0 0
0 141 FIELD OFFICE-CHANGE IN SCOPE	01/01/2019 12/31/2020	-67	0	0	0	0	-67	0	0	0		0 0
0 142 REPLACEMENT OF WASTE GAS BURNERS-CHANGE	IN S(01/01/201912/31/2022	-4,753	0	0	0	0	-4,753	0	0	0		0 0
0 143 WET WEATHER FLOW-CHANGE IN SCOPE	01/01/2019 12/31/2024	-490	0	0	0	0	-490	0	0	0		0 0
	Project Sub-total:	14,781	0	0	0	0	14,781	0	0	0	(	0 0
0 WAS906994 HIGHLAND CREEK WWTP - SOLIDS & GAS HAND	LING											
0 1 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2012 12/31/2019	3,220	0	0	308	0	2,912	0	0	0		0 0
0 3 WAS THICKENING - CONSTR	01/01/201012/31/2019	1	0	0	0	0	1	0	0	0		0 0
0 8 HIGHLAND CREEK WWTP - BMP IMPLEMENTATION	01/01/2018 12/31/2019	78	0	0	7	0	71	0	0	0		0 0
0 22 HIGHLAND CREEK WWTP - BMP IMPLEMEN-CHANGE	IN S01/01/201912/31/2028	-1,170	0	0	-5	0	-1,165	0	0	0		0 0
0 23 HIGHLAND CREEK WWTP - BMP IMPLEMEN-CHANGE	IN S01/01/201912/31/2026	5,922	0	0	881	0	5,041	0	0	0	(	0 0
	Project Sub-total:	8,051	0	0	1,191	0	6,860	0	0	0		0 0
0 WAS907038 Land Acquisition for Source Water Protect												
0 25 TRCA - SCARBOROUGH WATERFRONT WEST EA	01/01/2016 12/31/2019	800	0	0	64	0	736	0	0	0		0 0
0 33 TRCA - SCARBOROUGH WATERFRONT WEST-CHANG			0	0	54	0	-54	0	0	0		0 0
0 34 TRCA - CRITICAL EROSION SITES-CHANGE IN SCOP			0	0	0	0	9,500	0	0	0		0 0
	Project Sub-total:	10,300	0	0	118	0	10,182	0	0	0	-	0 0

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**M**Toronto

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

Proje	ct/Financing			2019					Financ	ing				
Priori	ity Project	Project Name	Start Date Completion Date	Cash Flow	Provincial Grants	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From	Other 1	Other 2	Debt	Debt - Recoverable
					Subsidies					Current				
<u>0</u>	WAS907097	ASHBRIDGES BAY WWTP - BUILDING SERVICES & SIT	E DE\											
0	7 CC	ONTROLLED SUBSTANCE IDENTIFICATION AND ABATEM	01/01/2007 12/31/202	100	0	0	0	0	100	0	0	0		0 0
0	19 BI	O GAS UTILIZATION	01/01/2009 12/31/2019	850	0	0	0	0	850	0	0	0		0 0
0	21 BL	OWER BLDG & OLD NORTH SUBSTATION IMPROVEMEN	01/01/2010 12/31/201	6,321	0	0	0	0	6,321	0	0	0		0 0
0	64 GF	ROVE LANDSCAPING - PHASE 1	01/01/2016 12/31/201	117	0	0	0	0	117	0	0	0		0 0
0	68 BL	OWER BLDG & OLD NORTH SUBSTATION-CHANGE IN S	01/01/2019 12/31/202	-3,956	0	0	0	0	-3,956	0	0	0		0 0
0	69 BI	O GAS UTILIZATION-CHANGE IN SCOPE	01/01/2019 12/31/202	-800	0	0	0	0	-800	0	0	0		0 0
0	70 CC	ONTROLLED SUBSTANCE IDENTIFICATIO-CHANGE IN SO	01/01/2019 12/31/202	-100	0	0	0	0	-100	0	0	0		0 0
0	71 GF	ROVE LANDSCAPING - PHASE 1-CHANGE IN SCOPE	01/01/2019 12/31/201	-7	0	0	0	0	-7	0	0	0		0 0
		Pr	oject Sub-total:	2,525	0	0	0	0	2,525	0	0	0		0 0
<u>0</u>	WAS907098	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM												
0	1 DI	SINFECTION ENGINEERING	01/01/2009 12/31/202	4,900	0	0	394	0	4,506	0	0	0		0 0
0	201	JTFALL CONSTRUCTION	01/01/2018 12/31/202	30,000	0	0	2,414	0	27,586	0	0	0		0 0
0	13 Ol	JTFALL ASSESSMENT	01/01/2012 12/31/201	57	0	0	5	0	52	0	0	0		0 0
0	14 Ol	JTFALL ENGINEERING	01/01/2015 12/31/202	5,730	0	0	461	0	5,269	0	0	0		0 0
0	15 DI	SINFECTION SYSTEM CONSTRUCTION	01/01/2016 12/31/2019	89,633	0	0	8,529	0	81,104	0	0	0		0 0
0	31 Ol	JTFALL - SITE PREP	01/01/2016 12/31/2019	31	0	0	5	0	26	0	0	0		0 0
0	37 Ol	JTFALL ASSESSMENT-CHANGE IN SCOPE	01/01/2019 12/31/2019	-57	0	0	-5	0	-52	0	0	0		0 0
0	38 DI	SINFECTION SYSTEM CONSTRUCTION-CHANGE IN SCO	01/01/2019 12/31/202	-54,498	0	0	-3,330	0	-51,168	0	0	0		0 0
0	39 DI	SINFECTION ENGINEERING-CHANGE IN SCOPE	01/01/2019 12/31/202	-3,006	0	0	-114	0	-2,892	0	0	0		0 0
0	40 Ol	JTFALL CONSTRUCTION-CHANGE IN SCOPE	01/01/2019 12/31/202	5,000	0	0	2,765	0	2,235	0	0	0		0 0
0	41 Ol	JTFALL ENGINEERING-CHANGE IN SCOPE	01/01/2019 12/31/2020	-2,604	0	0	2	0	-2,606	0	0	0		0 0
		Pr	oject Sub-total:	75,186	0	0	11,126	0	64,060	0	0	0		0 0
0	WAS907099	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HAN	IDLIN:											
- 0		·	01/01/2009 12/31/201	316	0	0	25	0	291	0	0	0		0 0
0			01/01/2010 12/31/201		0	0	1,235	0	9,392	0	0	0		0 0
0			01/01/2014 12/31/201	,	0	0	0	0	2,085	0	0	0		0 0
0			01/01/2011 12/31/202		0	0	0	0	5.844	0	0	0		0 0
0		TEGRATED PUMPING STATION (IPS) - CONSTRUCTION			0	0	225	0	18.995	0	0	0		0 0
0		,	01/01/2016 12/31/201		0	0	56	0	393	0	0	0		0 0
0			01/01/2019 12/31/202		0	0	50	0	0	0	0	0		0 0
0		TEGRATED PUMPING STATION (IPS)CHANGE IN SCOP			0	0	2,764	0	-1,785	0	0	0		0 0
0		TEGRATED PUMPING STATION (IPS) CHANGE IN SCOP			_	0	754	0	-1,569	0	0	0		0 0
0		& T PUMPING STATION CRITICAL REP-CHANGE IN SCOR			0	0	0	0	-1,235	0	0	0		0 0
0		NE BUBBLE AERATION - ENGINEERING-CHANGE IN SCO			0	0	11	0	-10	0	0	0		0 0
-				I	l									

**M**TORONTO

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

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



#### Appendix 9: 2019 Capital Budget with Financing Detail

Droine#/E	Unanaina	I	2010					Finere	lna				
Project/F Priority I	•	Start Date Completion	2019 Cash Flow	Provincial	Federal	Developmt	Reserves	Financ	Capital	Other 1	Other 2	Debt	Debt -
riionity i	rioject riojectivame	Date		Grants Subsidies	Subsidy	Charges		Funds	From Current				Recoverable
0 WA	S907099 ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HA	NDLIN	J.		.N.						•		
0	93 FINE BUBBLE AERATION - TANK #2-CHANGE IN SCOPE	01/01/2019 12/31/2019	-316	0	0	-25	0	-291	0	0	0		0 0
0	94 P BLDG HEADWORKS UPGRADE-CHANGE IN SCOPE	01/01/2019 12/31/2020	-4,992	0	0	-390	0	-4,602	0	0	0		0 0
	P	roject Sub-total:	32,213	0	0	4,705	0	27,508	0	0	0		0 0
0 WAS	S907100 ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	ì											
0	<del></del>	01/01/2014 12/31/2019	2,788	0	0	244	0	2,544	0	0	0		0 0
0	4 DIGESTERS 9-12 REFURBISH	01/01/2011 12/31/2019	21,933	0	0	2,167	0	19,766	0	0	0		0 0
0	8 BIOSOLIDS PELLETIZER RETROFIT	01/01/2013 12/31/2019	422	0	0	0	0	422	0	0	0		0 0
0	22 WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	N01/01/2016 12/31/2019	36,485	0	0	2,979	0	33,506	0	0	0		0 0
0	25 PELLETIZER TRUCK LOADING FACILITY UPGRADES	01/01/2014 12/31/2019	968	0	0	0	0	968	0	0	0		0 0
0	52 PRIMARY SLUDGE BUFFER TANK AND HEAT RECOVERY	01/01/2019 12/31/2025	50	0	0	0	0	50	0	0	0		0 0
0	53 PELLETIZER FACILITY	01/01/2019 12/31/2028	800	0	0	0	0	800	0	0	0		0 0
0	56 WASTE ACTIVATED SLUDGE UPGRADE - C-CHANGE IN S	<b>C</b> 01/01/2019 12/31/2023	-31,485	0	0	-2,239	0	-29,246	0	0	0		0 0
0	57 WASTE ACTIVATED SLUDGE UPGRADE - E-CHANGE IN S	C01/01/2019 12/31/2025	-1,288	0	0	-19	0	-1,269	0	0	0		0 0
0	58 DIGESTERS 9-12 REFURBISH-CHANGE IN SCOPE	01/01/2019 12/31/2023	-12,123	0	0	-715	0	-11,408	0	0	0		0 0
0	59 BIOSOLIDS PELLETIZER RETROFIT-CHANGE IN SCOPE	01/01/2019 12/31/2022	-22	0	0	0	0	-22	0	0	0		0 0
0	60 PELLETIZER TRUCK LOADING FACILITY -CHANGE IN SCO	01/01/201912/31/2024	-468	0	0	0	0	-468	0	0	0		0 0
	P	roject Sub-total:	18,060	0	0	2,417	0	15,643	0	0	0		0 0
0 WA	S907101 ASHBRIDGES BAY WWTP - O&M UPGRADES												
0	5 BOILER #4 DESIGN	01/01/2010 12/31/2019	6	0	0	0	0	6	0	0	0		0 0
0	6 MESI UPGRADES	01/01/2012 12/31/2020	2,962	0	0	0	0	2,962	0	0	0		0 0
0	7 MISC MECH REHAB	01/01/2010 12/31/2019	3,184	0	0	0	0	3,184	0	0	0		0 0
0	38 MISC MECH REHAB-CHANGE IN SCOPE	01/01/2019 12/31/2020	-1,567	0	0	0	0	-1,567	0	0	0		0 0
	P	roject Sub-total:	4,585	0	0	0	0	4,585	0	0	0		0 0
<u>0</u> WA	S907102 ASHBRIDGES BAY WWTP - ODOUR CONTROL												
0	6 BIOFILTERS UPGRADE & REPLACEMENT	01/01/2012 12/31/2019	3,399	0	0	291	0	3,108	0	0	0		0 0
0	13 D BUILDING TREATMENT & BIOFILTER	01/01/2009 12/31/2019	656	0	0	64	0	592	0	0	0		0 0
0	42 D BUILDING TREATMENT & BIOFILTER-CHANGE IN SCOP	E01/01/2019 12/31/2020	-156	0	0	11	0	-167	0	0	0		0 0
0	43 BIOFILTERS UPGRADE & REPLACEMENT-CHANGE IN SCI	C01/01/2019 12/31/2021	-907	0	0	83	0	-990	0	0	0		0 0
	P	roject Sub-total:	2,992	0	0	449	0	2,543	0	0	0		0 0
<u>0</u> WA	S907104 HUMBER WWTP - LIQUID TREATMENT & HANDLING												
0	2 SECONDARY TREATMENT UPGRADES - SOUTH - ENGINE	E 01/01/2009 12/31/2027	3,300	0	0	266	0	3,034	0	0	0		0 0
0	19 SECONDARY TREATMENT UPGRADES - SOUTH - CONS	01/01/2015 12/31/2024	23,000	0	0	1,852	0	21,148	0	0	0		0 0
0	28 SECONDARY TREATMENT UPGRADES - SOU-CHANGE IN	01/01/2019 12/31/2027	10	0	0	231	0	-221	0	0	0		0 0

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



#### CITY OF TORONTO

#### Appendix 9: 2019 Capital Budget with Financing Detail

Project/	Financing		2019					Financ	cing				
Priority	Project Project Name	Start Date Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 WA	AS907104 HUMBER WWTP - LIQUID TREATMENT & HANDLING	<u>i</u>											
0	29 SECONDARY TREATMENT UPGRADES - SOU-CHANGE	IN 01/01/201912/31/2024	0	0	0	1,551	0	-1,551	0	0	0	(	0 0
		Project Sub-total:	26,310	0	0	3,900	0	22,410	0	0	0	- 1	0 0
0 WA	AS907105 HUMBER WWTP - O&M UPGRADES												
0	1 GAS COMPRESSOR SYSTEM UPGRADES	01/01/2008 12/31/2019	813	0	0	0	0	813	0	0	0	ſ	0 (
0	2 LIQUID STREAM UPGRADES	01/01/201012/31/2019	386	0	0	31	0	355	0	0	0	(	0 (
0	35 LIQUID STREAM UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2019	-386	0	0	-31	0	-355	0	0	0	(	0 0
0	36 GAS COMPRESSOR SYSTEM UPGRADES-CHANGE IN S	SC(01/01/201912/31/2020	-418	0	0	0	0	-418	0	0	0	1	0 (
		Project Sub-total:	395	0	0	0	0	395	0	0	0		0 (
0 WA	AS907106 HUMBER WWTP - ODOUR CONTROL	-											
0	1 ODOUR CONTROL IMPLEMENTATION - PHASE 1	01/01/2013 12/31/2019	766	0	0	69	0	697	0	0	0	(	0 (
0	15 ODOUR CONTROL IMPLEMENTATION - PHA-CHANGE IN		434	0	0	111	0	323	0	0	0		0 (
U	10 ODOUR GONTROE IN ELIMENTATION -1 TIA-OFIAROE II	Project Sub-total:	1,200	0	0	180	0	1,020	0	0			0 (
0 14/4	CONTROL OF MACE PURAPHA CTATION LIPODADEO	r roject oub-total.	1,200			100		1,020					<u> </u>
	AS907224 SEWAGE PUMPING STATION UPGRADES			0					_	_			_
0	1 SPS UPGRADES	01/01/2011 12/31/2019	2,212	0	0	232	0	1,980	0	0	0		0 (
0	4 SUNNYSIDE AND MARYPORT SPS UPGRADES	01/01/2018 12/31/2024	150	0	0	12	0	138	0	0	0	(	•
0	18 SPS UPGRADES - GROUP 6	01/01/2016 12/31/2024	3,891	0	0	313	0	3,578	0	0	0		0 (
0	26 SPS UPGRADES - GROUP 7	01/01/2012 12/31/2019	4	0	0	1	0	3	0	0	0	(	
0	34 FACILITY & PROCESS UPGRADES	01/01/2018 12/31/2019	435	0	0	39	0	396	0	0	0	(	•
0	35 SCOTT ST PS & SIMCOE ST PS	01/01/2018 12/31/2022	400	0	0	0	0	400	0	0	0	(	
0	39 SUNNYSIDE AND MARYPORT SPS UPGRADE-CHANGE		-150	0	0	-12	0	-138	0	0	0	(	
0	40 FACILITY & PROCESS UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2025	-60	ŭ	0	16	0	-76	0	0	0		0 (
0	41 SCOTT ST PS & SIMCOE ST PS-CHANGE IN SCOPE	01/01/2019 12/31/2022	51	0	0	0	0	51	0	0	0		0 (
0	42 SPS UPGRADES - GROUP 7-CHANGE IN SCOPE	01/01/2019 12/31/2019	6	0	0	1	0	5	0	0	0	(	
0	43 SPS UPGRADES - GROUP 6-CHANGE IN SCOPE	01/01/2019 12/31/2024	-1,068	0	0	105	0	-1,173	0	0	0	(	
0	44 SPS UPGRADES-CHANGE IN SCOPE	01/01/2019 12/31/2020	-1,106		0	-66	0	-1,040	0	0	0		0 (
		Project Sub-total:	4,765	0	0	641	0	4,124	0	0	0		0 (
<u>0</u> WA	AS907559 DON & WATERFRONT TRUNK CSO												
0	1 DON & WATERFRONT TRUNK/CSO PKG 1 - DESIGN	01/01/2013 12/31/2019	10,946	0	0	917	0	10,029	0	0	0	(	0 (
0	15 DCW - PHASE 1 - ADDITIONAL SCOPE	01/01/2018 12/31/2019	2,850	0	0	229	0	2,621	0	0	0	(	
0	17 DCW - PH1 - OFFLINE STORAGE TANK SHEPPARD/LESI	_IE01/01/201612/31/2019	1,340	0	0	118	0	1,222	0	0	0	(	0 (
0	18 Don & Waterfront Trunk/CSO Construction - PHASE 1	01/01/2018 12/31/2024	80,000	0	0	6,438	0	73,562	0	0	0	(	0 (
0	24 DON & WATERFRONT TRUNK/CSO PKG 1 CHANGE IN	SC01/01/201912/31/2024	-6,425	0	0	-239	0	-6,186	0	0	0	(	0 (
0	25 DCW - PHASE 1 - ADDITIONAL SCOPE-CHANGE IN SCO	PE01/01/201912/31/2020	-1,716	0	0	-61	0	-1,655	0	0	0	(	0 0

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



#### **CITY OF TORONTO**

#### Appendix 9: 2019 Capital Budget with Financing Detail

**Wastewater Program Sub-Project Summary** 

Project/Fir	nancing		2019					Financ	ing					
Priority P	roject 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 - Recoverat	ble
0 WAS	907559 DON & WATERFRONT TRUNK CSO													
0	26 Don & Waterfront Trunk/CSO Constru-CHANGE IN SCOP	E 01/01/201912/31/2024	3,895	0	0	5,975	0	-2,080	0	0	0		0	0
0	27 DCW - PH1 - OFFLINE STORAGE TANK S-CHANGE IN S	SCO 01/01/201912/31/2025	-715	0	0	-26	0	-689	0	0	0		0	0
		Project Sub-total:	90,175	0	0	13,351	0	76,824	0	0	0		0	0
0 WAS	907700 NORTH TORONTO WTP UPGRADES													
0	2 NTTP - ELECTRICAL UPGRADES - ECAR	01/01/2012 12/31/2019	3,129	0	0	0	0	3,129	0	0	0		0	0
0	10 OPS INTERFACE NTTP	01/01/2016 12/31/2019	200	0	0	0	0	200	0	0	0		0	0
0	11 NTTP - PROCESS IMPROVEMENTS	01/01/2016 12/31/2019	5,572	0	0	0	0	5,572	0	0	0		0	0
0	15 NTTP - ELECTRICAL UPGRADES - ECAR-CHANGE IN S	COI01/01/201912/31/2024	-2,430	0	0	0	0	-2,430	0	0	0		0	0
0	16 NTTP - PROCESS IMPROVEMENTS-CHANGE IN SCOP	E 01/01/201912/31/2024	-4,638	0	0	0	0	-4,638	0	0	0		0	0
		Project Sub-total:	1,833	0	0	0	0	1,833	0	0	0		0	0
0 WAS	908143 Georgetown South City Infrastructure Upgrades													
0	1 GEORGETOWN SOUTH CITY INFRASTRUCTURE UPG	RAD 01/01/2015 12/31/2019	5,115	0	0	412	0	4,703	0	0	0		0	0
0	9 GEORGETOWN SOUTH CITY INFRASTRUCTU-CHANG	E IN 01/01/2019 12/31/2019	0	0	0	4,703	0	-4,703	0	0	0		0	0
		Project Sub-total:	5,115	0	0	5,115	0	0	0	0	0		0	0
0 WAS	WP003 EMERY CREEK POND													
0	1 EMERY CREEK POND	01/01/2005 12/31/2020	1,097	0	0	89	0	1,008	0	0	0		0	0
0	17 EMERY CREEK POND-CHANGE IN SCOPE	01/01/2019 12/31/2020	-549	0	0	-7	0	-542	0	0	0		0	0
		Project Sub-total:	548	0	0	82	0	466	0	0	0		0	0
0 WAS	WP050 EQUIPMENT REPLACEMENT & REHABILITATION													
0	78 EQUIPMENT REPLACEMENT	01/01/2012 12/31/2019	10,297	0	0	0	0	10,297	0	0	0		0	0
0	137 EQUIPMENT REPLACEMENT-CHANGE IN SCOPE	01/01/2019 12/31/2024	-6,732	0	0	0	0	-6,732	0	0	0		0	0
		Project Sub-total:	3,565	0	0	0	0	3,565	0	0	0		0	0
														_
Program <sup>*</sup>	Total:		610,113	0	0	62,065	0	548,048	0	0	0		0	0

Status Code Description

S2 S2 Prior Year (With 2019 and\or Future Year Cashflow)

S3 S3 Prior Year - Change of Scope 2019 and\or Future Year Cost\Cashflow)

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

S5 New (On-going or Phased Projects)

**Category Code Description** 

Health and Safety C01

02 Legislated C02

03 State of Good Repair C03

Service Improvement and Enhancement C04 05

Reserved Category 1 C06

06 07 Reserved Category 2 C07

# Appendix 10

# Inflows and Outflows to/from Reserves and Reserve Funds 2019 Operating Budget

### **Program Specific Reserve / Reserve Funds**

		Projected Balance	Withdrawa	als (-) / Contribu	ıtions (+)
Reserve / Reserve Fund Name	Reserve / Reserve	as of Dec. 31, 2018 *	2019	2020	2021
(In \$000s)	Fund Number	\$	\$	\$	\$
Beginning Balance		18,547.6	16,097.6	10,248.0	5,332.7
Vechicle Replacement Reserve	XQ1012				
Withdrawals (-)		(8,239.3)	(11,638.9)	(10,704.6)	(10,450.1)
Contributions (+)		5,789.3	5,789.3	5,789.3	5,789.3
Total Reserve / Reserve Fund Draws	/ Contributions	16,097.6	10,248.0	5,332.7	671.9
Balance at Year-End		16,097.6	10,248.0	5,332.7	671.9

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report

		Projected Balance	Withdraw	als (-) / Contribu	utions (+)
Reserve / Reserve Fund Name	Reserve / Reserve	as of Dec. 31, 2018 *	2019	2020	2021
(In \$000s)	Fund Number	\$	\$	\$	\$
Beginning Balance		910,629.3	1,119,149.8	1,252,945.5	919,598.7
Water & Waste Water Capital Reserves	XR6003 & XR6004				
Withdrawals (-)					
- TW Capital Program		(674,914.7)	(734,071.9)	(1,231,498.7)	(1,320,568.5)
- Other		(3,287.5)	(4,252.8)	(7,353.2)	(7,653.3)
Contributions (+)					
- From Operations		882,663.2	867,367.7	901,145.3	923,177.8
- Other: Interest		4,059.6	4,752.7	4,359.8	2,889.4
Total Reserve / Reserve Fund Draws	s / Contributions	1,119,149.8	1,252,945.5	919,598.7	517,444.1
Balance at Year-End		1,119,149.8	1,252,945.5	919,598.7	517,444.1

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report

# **Corporate Reserve / Reserve Funds**

		Projected Balance	Withdrawa	als (-) / Contribu	tions (+)
Reserve / Reserve Fund Name	Reserve / Reserve	as of Dec. 31, 2018 *	2019	2020	2021
(In \$000s)	Fund Number	\$	\$	\$	\$
Beginning Balance		35,866.3	40,207.4	44,548.5	48,889.6
Insurance Reserve Fund	XR1010				
Withdrawals (-)					
Contributions (+)		4,341.1	4,341.1	4,341.1	4,341.1
Total Reserve / Reserve Fund Draws /	Contributions	40,207.4	44,548.5	48,889.6	53,230.7
Other Program / Agency Net Withdraw	als & Contributions				
Balance at Year-End		40,207.4	44,548.5	48,889.6	53,230.7

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report

# 2019 Operating Budget

# Corporate Reserve / Reserve Funds -Continued

		Projected Balance	Withdrawa	ıls (-) / Contribu	tions (+)
Reserve / Reserve Fund Name	Reserve / Reserve	as of Dec. 31, 2018 *	2019	2020	2021
(In \$000s)	Fund Number	\$	\$	\$	\$
Beginning Balance		19,294.9	17,935.7	16,580.8	14,917.6
Development Charge Stormwater Management	XR2404 & XR2113				
Withdrawals (-)					
-TW: Operating		(195.0)	(195.0)	(195.0)	(195.0)
-TW: Capital		(1,902.0)	(2,382.0)	(3,039.0)	(5,378.0)
Contributions (+)		737.8	1,222.1	1,570.8	1,693.9
Total Reserve / Reserve Fund Draws /	Contributions	17,935.7	16,580.8	14,917.6	11,038.5
Other Program / Agency Net Withdraw	als & Contributions				
Balance at Year-End		17,935.7	16,580.8	14,917.6	11,038.5

## 2019 - 2028 Capital Budget and Plan

# **Corporate Reserve / Reserve Funds**

Reserve / Reserve Fund		Projected					Contribu	tions / (Witl	hdrawals)				
Name	Project / Sub Project Name and	Balance as at	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
(In \$000s)	Number	Dec 31, 2018 *	Budget	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Total
Water DC Reserve Fund	Beginning Balance	53,136	66,511	65,828	62,669	63,634	84,934	108,694	133,797	159,432	183,630	208,963	
XR2111 DC - Water	Withdrawals (-)												
(2011)	DIST W/M REPLACEMENT		(17,756)	(13,881)	(5,831)	(140)	(414)						(38,022)
	DISTRICT WATERMAINS - NEW		(10)	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(4,510)
	HORGAN TRUNK MAIN												
	EXPANSION		(1,000)	(1,100)	(1,900)	(700)	(700)	(700)	(345)	(35)			(6,480)
	HORGAN W.T.P. EXPANSION					(28)							(28)
	ISLAND W.T.P. R&R		(4)	(134)	(2,219)	(2,663)	(1,095)						(6,115)
	LAWRENCE ALLAN												
	REVITALIZATION PLAN		(3,300)	(6,092)	(7,542)	(1,016)							(17,950)
	PW ENGINEERING		(393)	(603)	(483)	(515)	(546)	(505)	(380)	(220)	(119)	(119)	(3,883)
	REGENT PARK CAPITAL												
	CONTRIBUTION		(542)	(1,416)	(1,421)	(51)	(71)	(40)					(3,541)
	RL CLARK W.T.P. R&R		(1,139)	(694)	(9)	(5)							(1,847)
	TRANSMISSION R&R		(2)	(165)									(167)
	TRUNK WATERMAIN												
	EXPANSION		(3,426)	(5,837)	(5,753)	(4)							(15,020)
	PROGRAM		(495)	(706)	(603)	(607)	(687)	(520)	(520)	(520)	(520)	(520)	(5,698)
	WATER SUSTAINABILITY		, ,	, ,	, ,	, ,	` ,	, ,	, ,	, ,	, ,	`	, , ,
	PROGRAM		(467)	(910)	(565)	(414)	(1)						(2,357)
	WT&S PLANTWIDE		(176)	(493)	(546)	(439)	(484)	(891)	(941)	(1,073)	(350)	(5)	(5,398)
	Total Withdrawals	(15,729)	(28,710)	(32,531)	(27,372)	(7,082)	(4,498)	(3,156)	(2,686)	(2,348)	(1,489)	(1,144)	(111,016)
	Contributions (+)												
	Projected Contributions	29,104	28,027	29,372	28,337	28,382	28,257	28,259	28,322	26,546	26,821	27,358	279,681
	Total Contributions	29,104	28,027	29,372	28,337	28,382	28,257	28,259	28,322	26,546	26,821	27,358	279,681
Other Program/Agency No	et Withdrawals and Contributions												-
Balance at Year-End		66.511	65.828	62,669	63.634	84.934	108.694	133.797	159,432	183.630	208.963	235.177	168.665

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report

# 2019 - 2028 Capital Budget and Plan

# Corporate Reserve / Reserve Funds - Continued

Name	Reserve / Reserve Fund		Projected					Contribu	tions / (Wit	hdrawals)				
Santany Sewer DC Registring Balance Reseave Fund Mithdownsis (-)  ASHRIDGES BAY F P YR2008 DC - Sewer (2009) ASHRIDGES BAY WIFF - LOUID TREATMENT 8 - HANDLING ASHRIDGES BAY WIFF - COUNT CANTOL ASHRIDGES BAY WIFF - LOUID TREATMENT 8 - HANDLING ASHRIDGES BAY WIFF - COUNT CANTOL ASHRIDGES BAY WIFF - COUNT CANTOL ASHRIDGES BAY WIFF - LOUID TREATMENT 8 - HANDLING ASHRIDGES BAY WIFF - COUNT CONTROL CONTROL -		Project / Sub Project Name and		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Resenic Fund KR2028 DC - Sewert (2009)  XR2112  XR2122  XR3HRRDGES BAY FP. VR2000  (15)  (15)  (17,255)  (18,956)  (14,777)  (17,282)  (3,147)  (624)  (10)  XR212  XR3HRRDGES BAY WWTP- EFFLUENCES BAY WWTP- LOUID TREATMENT & HANDLING  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- ODOUR CONTROL  ASHBRDGES BAY WWTP- SOLIDS & GAS HANDLING ASHBRDGES BAY WWTP- SOLIDS & GAS HANDLING BASEMENT FLOODING RELIEF DIST SEWER REHAB OFS  VR2005  ASHBRDGES BAY WTP  ODOUR CONTROL  Georgebow South Cily Infrastructure Upgrafees HIGHLAND CREEK WWTP- ODOUR CONTROL  GEORGES BAY WWTP- ODOUR CONTROL  GEORGES BAY WWTP- ODOUR CONTROL  GEORGES BAY WTP- ODOUR C			,											Total
XEXOZAD DC - Sewer (2009)  XEXTAIL 2  ASHBRIDGES BAY TP - YRX006  ASHBRIDGES BAY WIWTP - (11.126) (17.255) (18.956) (14.777) (7.262) (3.147) (6.24) (10) (7.3.177) (7.			52,602	58,305	33,444	(12,967)	(66,234)	(87,765)	(118,760)	(144,094)	(170,757)	(191,501)	(213,133)	
Cool		Withdrawals (-)												
DC - Sewer (2009)  A SHBRIDGES BAY WWTP- EFFLUENT SYSTEM A SHBRIDGES BAY WWTP- LIQUID TREATMENT 8  (4,705) (12,840) (14,829) (15,099) (12,169) (26,829) (34,141) (8,672) (10,647) (10,584) (150,115) A SHBRIDGES BAY WWTP- LIQUID TREATMENT 8  (4,705) (12,840) (14,829) (15,099) (12,169) (26,829) (34,141) (8,672) (10,647) (10,584) (150,115) A SHBRIDGES BAY WWTP- SOLIDS & GAS HANDLING A SHBRIDGES BAY WWTP- SOLIDS & GAS HANDLING A SHBRIDGES BAY TY PY2005 (47) (68) (59) (12,840) (14,829) (15,099) (12,283) (15,541) B ASSHBRIDGES BAY TY PY2005 (47) (68) (59) (21,386) (14,587) (22,332) (22,337) (21,374) (32,417) (14,114) (17,725) (197,708) DDIST SEWER REHAB OPS VY2005 DDIST SEWER REHAB		40//DD/D050 D4V T.D. VD0000		(4.5)										(4.5)
### FFILLENT SYSTEM ASHBRIDGES BAY WWP - LIQUID TREATMENT & 4,7751 (12,840) (14,629) (15,099) (12,169) (26,629) (34,141) (8,672) (10,647) (10,584) (15,015) (10,015)				(15)										(15)
ASHBRIDGES BAY WWTP - LOUID TREATMENT 8 HANDLING ASHBRIDGES BAY WWTP - ODOUR CONTROL ASHBRIDGES BAY WWTP - ODOUR CONTROL ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING ASHBRIDGES BAY WWTP ASHBRIDGES BAY BAY BY BAY BY BAY BY BAY BAY BA	DC - Sewer (2009)			(11 126)	(17 255)	(18 056)	(14 777)	(7 282)	(3 147)	(624)	(10)			(73 177)
LIQUID TREATMENT &				(11,120)	(17,200)	(10,330)	(14,777)	(1,202)	(5,177)	(024)	(10)			(13,111)
HANDLING														
OOUR CONTROL ASHBRIGGES BAY WWTP SOLIDS & GAS HANDLING ASHBRIGGES BAY WWTP REHAB (1.049) (458) (34)  ASHBRIGGES BAY WTP REHAB (1.049) (458) (34)  BASEMENT FLOODING RELIEF (10,577) (20,859) (21,386) (14,587) (22,332) (22,337) (21,374) (32,417) (14,114) (17,725) (197,708) DIST SEWER REHAB OPS YR2005 DON & WATERFRONT TRUNK CSO Georgetow South City Inflashratore Upgrades (5,115) HIGHLAND CREEK WWTP OOUR CONTROL HIGHLAND CONTROL HIGHLAND CREEK WWTP HUBBER TP YR2005 HUBBER TP YR2005 HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL HUBBER WWTP-LOUID HUBBER WWTP-LOUID REAL CONTROL				(4,705)	(12,840)	(14,629)	(15,099)	(12,169)	(26,629)	(34,141)	(8,672)	(10,647)	(10,584)	(150,115)
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING RELIEF (1,049) (468) (30,000 (7,221) (6,526) (15) (31) (1,541) (1,		ASHBRIDGES BAY WWTP -												
SOLIDS & GAS HANDLING ASHBRIGGES BAY WITP REHAB (1,049) (4,68) (34) ASHBRIGGES BAY TY PYR2005 BASEMENT FLOODING RELIEF DIST SEWER REHAB OPS YR2005 CSO Georgeton South City Inflishful And D CREEK WITP ODUR CONTROL HIGHLAND CREEK WITP SOLIDS & GAS HANDLING HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP HIGHLAND CREEK WITP SOLIDS & GAS HANDLING HIGHLAND CREEK WITP HIGHLAND		ODOUR CONTROL		(449)	(263)	(11)								(723)
ASHBRIGGES BAY WWTP REHAB  (1,049) (48) (47) (68) (5) (1)  BASEMENT FLOODING RELIEF DIST SEWER REHAB OPS YR2005 (2) (3) (13,351) (13,484) (12,845) (34,585) (11,784) (80,993) (9,052) (16,180) (32,064) (25,516) (32,064) (25,516) (47,762) (59,000) (60,000) (60,115) (61,151) (61,162) (61,162) (62,163) (63,000) (63,000) (63,000) (64,000) (64,376) (68,000) (														
REHAB ASHRIDGES BAY TP YR2005 (47) (68) (5) (1) (1) (2) (2) (12) (12) (12) (12) (1				(2,417)	(8,069)	(9,020)	(7,221)	(6,526)	(15)	(31)				(33,299)
ASHRIDGES BAY TP YR2005 (47) (68) (5) (1) (22) (2332) (22,337) (21,374) (32,417) (14,114) (17,725) (197,708) (1														
BASEMENT FLOODING RELIEF  (10.577) (20.859) (21.386) (14.587) (22.332) (22.337) (21.374) (32.417) (14.114) (17.725) (197.708)		REHAB		(1,049)	(458)	(34)								(1,541)
DIST SEWER REHAB OPS   (2) (3)   (3)   (12,645)   (3,583)   (11,784)   (8,093)   (9,052)   (16,180)   (32,064)   (25,516)   (145,752)   (6,093)   (14,180)   (14,18		ASHRIDGES BAY TP YR2005		(47)	(68)	(5)	(1)							(121)
DIST SEWER REHAB OPS   (2) (3)   (3)   (12,645)   (3,583)   (11,784)   (8,093)   (9,052)   (16,180)   (32,064)   (25,516)   (145,752)   (6,093)   (14,180)   (14,18		BASEMENT FLOODING RELIEF		(10.577)	(20.859)	(21.386)	(14.587)	(22.332)	(22.337)	(21.374)	(32.417)	(14.114)	(17.725)	(197.708)
DON & WATERFRONT TRUNK   CSO   C13,351   C13,484   C12,645   C3,583   C11,784   C8,093   C9,052   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C6,000   C16,180   C25,516   C145,752   C25,516   C25,51				(,,	(==,===)	(= :,===)	(, ,	(==,++=)	(==,+++)	(= :,= : :)	(=,,	(, )	(,,	(,,
DON & WATERFRONT TRUNK   CSO   (13,351)   (13,484)   (12,645)   (3,583)   (11,784)   (8,093)   (9,052)   (16,180)   (32,064)   (25,516)   (145,752)   (5,752)   (1,6180)   (1,		YR2005		(2)	(3)									(5)
Georgetown South City		DON & WATERFRONT TRUNK												
Infrastructure Upgrades				(13,351)	(13,484)	(12,645)	(3,583)	(11,784)	(8,093)	(9,052)	(16,180)	(32,064)	(25,516)	(145,752)
HIGHLAND CREEK WWTP- ODOUR CONTROL HIGHLAND CREEK WWTP- SOLIDS & GAS HANDLING HIGHLAND CREEK WWTP- SOLIDS & GAS HANDLING HIGHLAND CREEK WWTP- UPGRADES (39) (1,972) (1,814) (3,358) (3,995) (4,291) (3,845) (2,232) (22) (43) (21,768) (279) (1,672) (4,550) (1,672) (4,550) (1,672) (4,550) (1,672)														
ODOUR CONTROL   (799) (674) (317) (8) (8) (8) (3) (59) (148) (962) (1,672) (4,550)				(5,115)										(5,115)
HIGHLAND CREEK WWTP				(700)	(== 4)	(0.17)	(0)	(0)	(0)	(50)	(4.40)	(000)	(4.070)	(4.550)
SOLIDS & GAS HANDLING   HIGHLAND CREEK WWTP   UPGRADES   (39) (166) (74)   (42)   (4376)   (4,291) (4,291) (4,291) (4,292) (42) (42) (2,232) (22) (43) (21,768)   (279)   (4,291) (4				(799)	(5/4)	(317)	(8)	(8)	(3)	(59)	(148)	(962)	(1,672)	(4,550)
HIGHLAND CREEK WWTP   UPGRADES   (39) (166) (74)   (42)   (279)   (279)   (156)   (144)   (42)   (42)   (436)   (4376)   (2,265)   (3,398)   (1,562)   (224)   (764)   (4,842)   (5,179)   (30,570)   (1,000				(1 101)	(077)	(1.814)	(3.358)	(3 005)	(4 201)	(3.845)	(2 232)	(22)	(43)	(21.768)
UPGRADES   (39) (166) (74)   (42)   (42)   (4376)   (4378)   (4388)   (43				(1,131)	(311)	(1,014)	(0,000)	(0,000)	(4,231)	(3,043)	(2,202)	(22)	(40)	(21,700)
HUMBER TP YR2005				(39)	(166)	(74)								(279)
HUMBER WWTP - LIQUID TREATMENT & HANDLING HUMBER WWTP - ODOUR CONTROL (180) (3,900) (4,060) (4,376) (2,265) (3,398) (1,562) (224) (764) (4,842) (5,179) (30,570) HUMBER WWTP - ODOUR CONTROL (180) (360) (83) (83) (83) (706) NEW SEWER CONSTRUCTION SEWAGE PUMPING STATION UPGRADES (641) (1,101) (1,523) (3,070) (2,499) (1,864) (992) (1,247) (629) (13,566) SEWER ASSET PLANNING SEWER REPLACEMENT PROGRAM (1,811) (2,019) (559) (41) (32) (1,153) (1,153) (1,153) (1,153) (1,153) (1,153) (1,227) SEWER SYSTEM REHABILITATION (986) (840) (263) SWM END OF PIPE FACILITIES (15) (96) (244) Contributions (+) Projected Contributions (16,859) (59,683) (90,325) (100,199) (68,537) (77,801) (72,143) (73,572) (64,725) (66,054) (63,410) (736,449) CONTENT OF TOTAL Withdrawals Contributions (180) (4,060) (4,376) (4,376) (4,376) (1,450) (1,450) (1,577) (191,501) (213,133) (231,232) (289,537)  CONTROL (180) (3,900) (4,060) (4,376) (2,265) (3,398) (1,562) (224) (1,562) (224) (1,540) (1						()								
TREATMENT & HANDLING   (3,900) (4,060) (4,376) (2,265) (3,398) (1,562) (224) (764) (4,842) (5,179) (30,570)		HUMBER WWTP - LIQUID		` '	, ,									, ,
HUMBER WWTP - ODOUR				(3.900)	(4.060)	(4.376)	(2.265)	(3.398)	(1.562)	(224)	(764)	(4.842)	(5.179)	(30.570)
NEW SEWER CONSTRUCTION   (725) (5,758) (13,401) (3,670) (6,924) (2,465) (1,524) (1,349) (1,000) (1,000) (37,816)		HUMBER WWTP - ODOUR		(1,111,	( ,,	( , ,	( ,,	(1,111,	( , ,	,	( - /	( ,- ,	(-, -,	(,,
SEWAGE PUMPING STATION   UPGRADES   (641)   (1,101)   (1,523)   (3,070)   (2,499)   (1,864)   (992)   (1,247)   (629)   (13,566)		CONTROL		(180)	(360)			(83)				(83)		(706)
SEWAGE PUMPING STATION   UPGRADES   (641)   (1,101)   (1,523)   (3,070)   (2,499)   (1,864)   (992)   (1,247)   (629)   (13,566)		NEW SEWER CONSTRUCTION		(725)	(5.758)	(13,401)	(3.670)	(6.924)	(2.465)	(1.524)	(1.349)	(1.000)	(1.000)	(37.816)
SEWER ASSET PLANNING   SEWER REPLACEMENT   PROGRAM   SEWER REPLACEMENT   PROGRAM   SEWER REPLACEMENT   PROGRAM   SEWER SYSTEM   REHABILITATION   SEWER SYSTEM   SEWER SYS				( - ,	(-,,	( -, - ,	(-,,	(-,- ,	(,,,,,	,- ,	( , ,	( , ,	( , ,	(- ,,
SEWER REPLACEMENT   PROGRAM   (1,811)   (2,019)   (559)   (41)   (32)   (1,153)   (1		UPGRADES		(641)	(1,101)	(1,523)	(3,070)	(2,499)	(1,864)	(992)	(1,247)	(629)		(13,566)
SEWER REPLACEMENT   PROGRAM   (1,811)   (2,019)   (559)   (41)   (32)   (1,153)   (1		SEWER ASSET PLANNING		(429)	(1,033)	(942)	(857)	(769)	(584)	(553)	(553)	(538)	(538)	(6,796)
PROGRAM   (1,811)   (2,019)   (559)   (41)   (32)   (1,153)   (1,153)   (1,153)   (1,153)   (1,153)   (1,153)   (1,027)				,,	( ,,	,/	(- ,- ,-		( /	(- /-/	(-,,	, ,	, ,	(., ., .,
REHABILITATION   (986)   (840)   (263)		PROGRAM		(1,811)	(2,019)	(559)	(41)	(32)	(1,153)	(1,153)	(1,153)	(1,153)	(1,153)	(10,227)
SWM END OF PIPE FACILITIES   (15) (96) (244)														
Total Withdrawals		REHABILITATION		(986)	(840)	(263)								(2,089)
Contributions (+) Projected Contributions 22,562 34,822 43,914 46,932 47,006 46,807 46,808 46,910 43,981 44,422 45,311 446,912  Other Program/Agency Net Withdrawals and Contributions Balance at Year-End  Contributions 58,305 33,444 (12,967) (66,234) (12,967) (66,234) (11,765) (118,760) (14,094) (170,757) (191,501) (213,133) (231,232) (289,537)														
Projected Contributions   22,562   34,822   43,914   46,932   47,006   46,807   46,808   46,910   43,981   44,422   45,311   446,912			(16,859)	(59,683)	(90,325)	(100,199)	(68,537)	(77,801)	(72,143)	(73,572)	(64,725)	(66,054)	(63,410)	(736,449)
Total Contributions   22,562   34,822   43,914   46,932   47,006   46,807   46,808   46,910   43,981   44,422   45,311   446,912														
Other Program/Agency Net Withdrawals and Contributions         3,344         (12,967)         (66,234)         (87,765)         (118,760)         (144,094)         (170,757)         (191,501)         (231,133)         (231,232)         (289,537)														
Balance at Year-End 58,305 33,444 (12,967) (66,234) (87,765) (118,760) (144,094) (170,757) (191,501) (213,133) (231,232) (289,537)				34,822	43,914	46,932	47,006	46,807	46,808	46,910	43,981	44,422	45,311	446,912
				22.444	(40.007)	(00.004)	(07.705)	(440.700)	(4.44.00.4)	(470.757)	(404 EC4)	(040 400)	(004 000)	(000 F27)
		58,305	33,444	(12,967)	(66,234)	(87,765)	(118,760)	(144,094)	(170,757)	(191,501)	(213,133)	(231,232)	(289,537)	

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report

Reserve / Reserve Fund		Projected	Contributions / (Withdrawals)										
Name	Project / Sub Project Name and	Balance as at	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
(In \$000s)	Number	Dec 31, 2018 *	Budget	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Plan	Total
Storm Water Management	Beginning Balance	19,295	18,131	16,971	15,503	11,819	9,930	11,339	12,419	12,915	10,834	5,903	
DC Reserve Fund	Withdrawals (-)												
XR2113 DC - SWM (2009)	EMERY CREEK POND		(82)	(87)									(169)
XR2404 DC - SWM (2004)	Land Acquisition for Source Water												
	Protect		(118)										(118)
	STREAM RESTORATION &												
	EROSION CONTROL		(185)	(346)	(287)	(126)	(100)	(85)	(74)	(74)			(1,277)
	SWM TRCA FUNDING		(674)										(674)
	SWM END OF PIPE FACILITIES		(160)	(447)	(1,689)	(1,597)	(49)	(46)	(648)	(3,504)	(6,445)	(9,544)	(24,129)
	RETROFIT		(533)	(1,327)	(2,952)	(1,686)	(7)						(6,505)
	WET WEATHER FLOW MP		(630)	(832)	(450)	(176)	(124)	(479)	(475)	(90)	(90)	(90)	(3,436)
	Total Withdrawals	(1,902)	(2,382)	(3,039)	(5,378)	(3,585)	(280)	(610)	(1,197)	(3,668)	(6,535)	(9,634)	(36,308)
	Contributions (+)												
	Projected Contributions	738	1,222	1,571	1,694	1,696	1,689	1,689	1,693	1,587	1,603	1,635	16,081
	Total Contributions	738	1,222	1,571	1,694	1,696	1,689	1,689	1,693	1,587	1,603	1,635	16,081
Other Program/Agency Net Withdrawals and Contributions													-
Balance at Year-End		18,131	16,971	15,503	11,819	9,930	11,339	12,419	12,915	10,834	5,903	(2,096)	(20,227)

<sup>\*</sup> Based on 9-month 2018 Reserve Fund Variance Report