



Toronto 2016 BUDGET

CAPITAL PROGRAM SUMMARY



Toronto and Region Conservation Authority (TRCA)

2016 – 2025 CAPITAL BUDGET AND PLAN OVERVIEW

TRCA has stewardship of assets which are comprised of land, land improvements, buildings, infrastructure and capital work-in-progress in the Don, Rouge, Highland, Etobicoke-Mimico and Humber watersheds, as well as along the waterfront.

Approximately \$175.529 million or 99.3% of funding included in the 10-Year Capital Plan is allocated to State of Good Repair projects which provide funding for major maintenance of existing waterfront erosion control structures, environmental rehabilitation, watershed monitoring and management, facilities retrofit, and damage caused by high intensity and localized storms.

The 10-Year Capital Plan also allocates \$1.200 million or 0.7% of total funding for service improvement projects for the Waterfront Planning.

Highlights

Overview

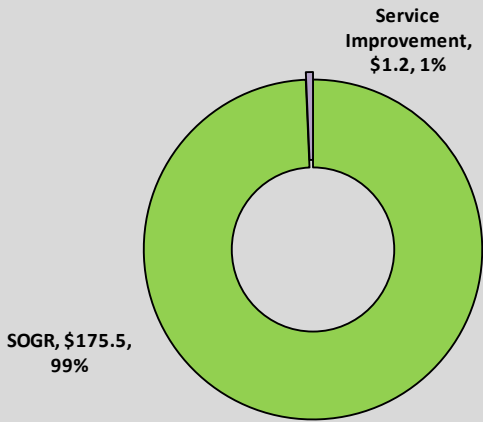
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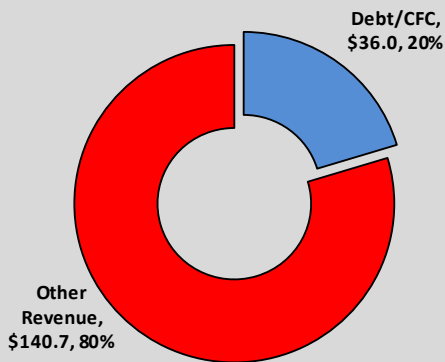
Capital Spending and Financing

2016-2025 Capital Budget and Plan by Expenditures Category



\$176.729 Million

2016-2025 Capital Budget and Plan by Funding Source



\$176.729 Million

Where does the money go?

The 2016–2025 Capital Budget and Plan totalling \$176.729 million provides funding for these major areas:

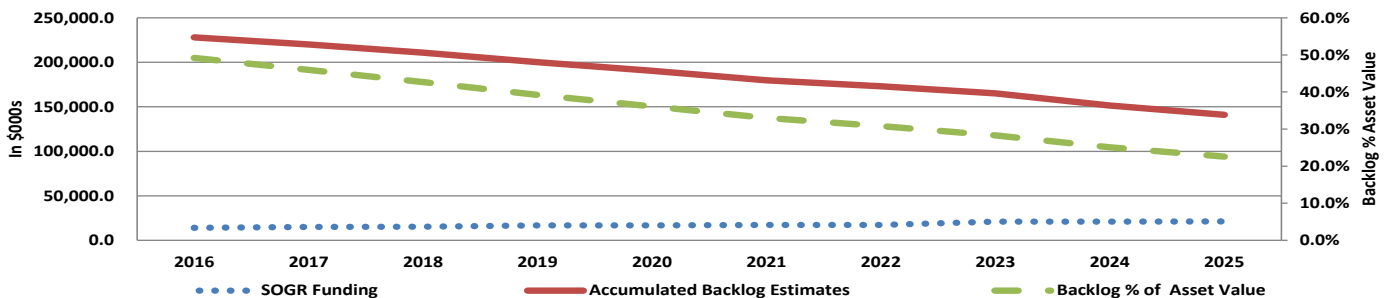
- Major maintenance of existing waterfront erosion control structures;
- Environmental rehabilitation
- Watershed monitoring and management;
- Facilities retrofit; and
- Damage caused by high intensity and localized storms.

Where does the money come from?

- Debt funding of \$36.000 million comprises 20% of TRCA's 10-year capital funding which is in line with the debt affordability guideline in each year of the 10-year planning period.
- \$140.729 million or 80% of the 10-Year Capital Plan is funded by Toronto Water of which \$46,729 million is to partially fund TRCA projects related to water quality and quantity; and supplementary Toronto Water funding of \$94.000 million for projects that will address critical erosion issues.

State of Good Repair Backlog

The 10-Year Capital Plan includes cash flow funding of \$175.529 million for State of Good Repair to address the backlog. The SOGR backlog as a % of asset replacement value will decrease from 49.2% in 2016 to 22.6% in 2025.



Key Issues & Priority Actions

State of Good Repair Backlog - TRCA's State of Good Repair backlog remains high due to increasing issues related to erosion and damage from high intensity, localized storms, as well as growing costs of construction and maintenance.

- ✓ The 10-Year Capital Plan provides \$175.529 million for such State of Good Repair projects as Waterfront & Valley Erosion Control, Waterfront Development and Critical Erosion Control & Floodworks.



Priority Restoration / Rejuvenation Projects - Continued development and urbanization of the Toronto region will continue to compromise natural features, communities, and processes. As climate change continues to progress, the number of sites requiring restoration and/or regeneration is anticipated to increase.

- ✓ Critical Erosion / Floodworks and Waterfront & Valley Erosion Control projects total \$115.9 million or 66% of the TRCA 10-Year Capital Plan.

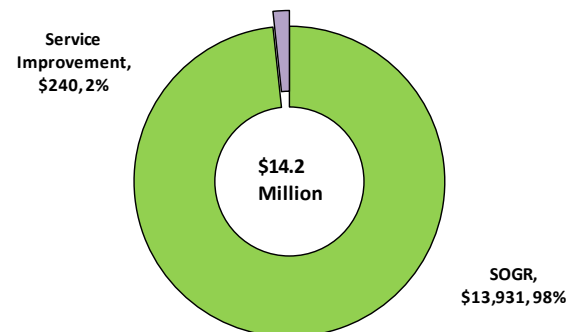


2016 Capital Budget Highlights

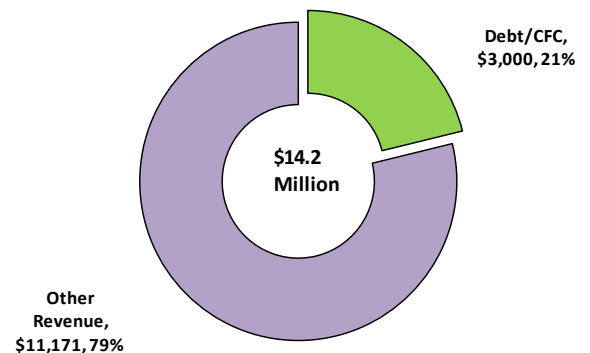
The 2016 Capital Budget for TRCA of \$14.171 million will provide funding to continue the following major projects:

- Critical Erosion & Floodworks (\$7.0 million): funding to address critical erosion control needs and damage caused by various storms.
- Living City Action Plan & Greenspace Acquisition (\$2.876 million): funding for monitoring and re-naturalization of watercourses, water quality and habitat improvements.
- Waterfront & Valley Erosion Control (\$1.550 million): funding for valley and shoreline erosion protection initiatives.
- Waterfront Development (\$1.473 million): funding for site preparation and monitoring at various waterfront sites.
- Black Creek Village Retrofit (\$0.350 million): funding to address the backlog of restoration and major maintenance.
- TRCA Administrative Infrastructure and Information Technology Improvements (\$0.922 million): funding for new administrative offices and to upgrade and replace TRCA's information systems.

2016 Capital Budget by Project Category



2016 Capital Budget by Funding Source



Council Approved Budget

City Council approved the following recommendations:

1. City Council approve the 2016 Capital Budget for Toronto and Region Conservation Authority with a total project cost and 2016 cash flow of \$14.171 million.
2. City Council approve the 2017-2025 Capital Plan for Toronto and Region Conservation Authority totalling \$162.558 million in project estimates, comprised of \$15.275 million for 2017; \$15.382 million for 2018; \$16.992 million for 2019; \$17.104 million for 2020; \$17.219 million for 2021; \$17.337 million for 2022; \$20.958 million for 2023; \$21.082 million in 2024; and \$21.209 million in 2025
3. City Council request that the General Manager of Toronto Water and the Chief Executive Officer of Toronto and Region Conservation Authority, in consultation with Financial Planning Division, work more closely together on the selection of priorities for erosion control and source water protection projects in the City of Toronto, in light of the additional City investment for these initiatives.
4. City Council request that the Chief Executive Officer of the Toronto and Region Conservation Authority, in consultation with the General Managers of Parks, Forestry & Recreation, Toronto Water, and Transportation Services work together to develop the business cases for the unfunded priority projects consistent with the City of Toronto's Capital Budget Instructions and Guidelines for consideration in the 2017-2026 Capital Plan.
5. City Council request the Chief Executive Officer of the Toronto and Region Conservation Authority to provide Capital Budget Quarterly Variance reporting by project in accordance with City requirements.
6. City Council request that, once the Environmental Assessment for the Scarborough Waterfront Access Plan is received, the Chief Executive Officer of the Toronto and Region Conservation Authority, and the Chief Financial Officer with input from the General Managers of Toronto Water, Transportation Services and Parks, Forestry and Recreation review the elements and requirements according to funding eligibility prior to the 2017 Budget cycle.
7. City Council request the Chief Executive Officer of the Toronto and Region Conservation Authority to report back on a potential Capital Master Plan as part of the 2018 Budget Cycle to assist with the development of a long range funding strategy to address watershed priority projects.

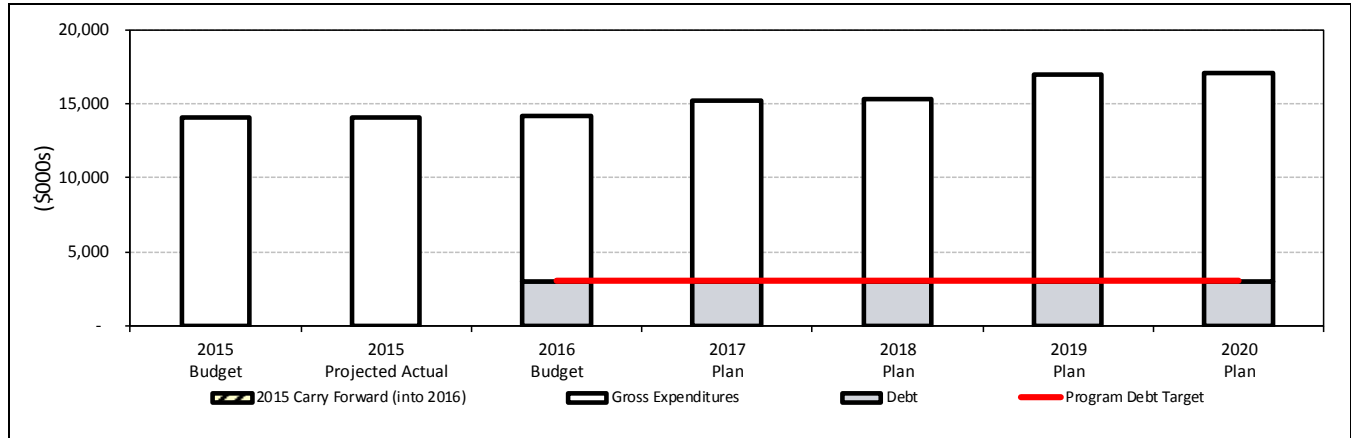


Part I:

10-Year Capital Plan

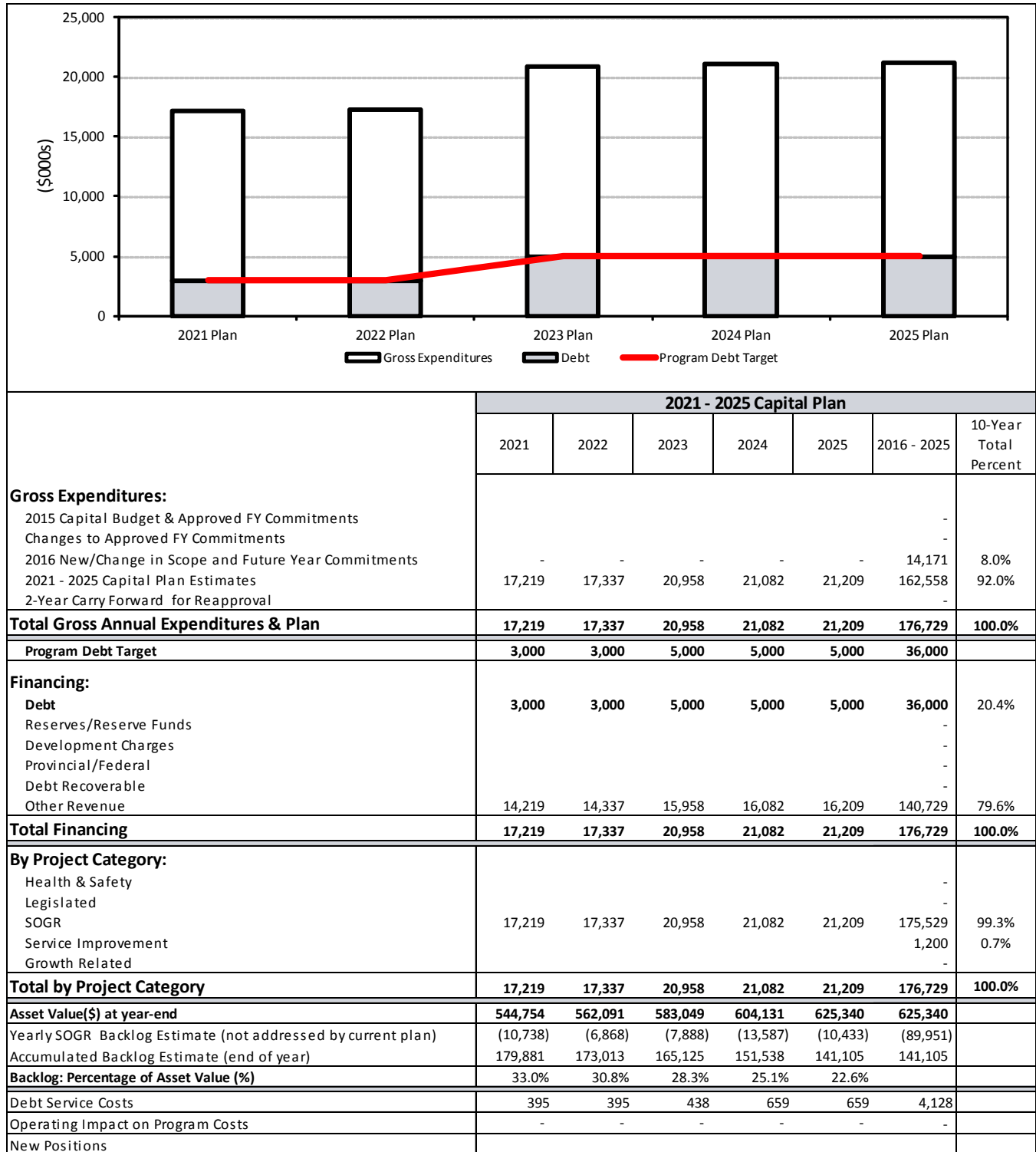
10 Year Capital Plan

Table 1a
2016 Budget, 2017-2020 Capital Plan



	2016 Capital Budget and 2017 - 2020 Capital Plan								
	2015		2016	2017	2018	2019	2020	2016 - 2020	5-Year Total Percent
	Budget	Projected Actual							
Gross Expenditures:									
2015 Capital Budget & Approved FY Commitments	14,069	14,069							
Changes to Approved FY Commitments									
2016 New/Change in Scope and Future Year Commitments			14,171					14,171	18.0%
2017 - 2020 Capital Plan Estimates				15,275	15,382	16,992	17,104	64,753	82.0%
2-Year Carry Forward for Reapproval									
1-Year Carry Forward to 2016									
Total Gross Annual Expenditures & Plan	14,069	289,690	14,171	15,275	15,382	16,992	17,104	78,924	100.0%
Program Debt Target			3,000	3,000	3,000	3,000	3,000	15,000	
Financing:									
Debt			3,000	3,000	3,000	3,000	3,000	15,000	19.0%
Reserves/Reserve Funds									
Development Charges									
Provincial/Federal									
Debt Recoverable									
Other Revenue			11,171	12,275	12,382	13,992	14,104	63,924	81.0%
Total Financing	-	-	14,171	15,275	15,382	16,992	17,104	78,924	100.0%
By Project Category:									
Health & Safety									
Legislated									
SOGR			13,931	15,035	15,142	16,752	16,864	77,724	98.5%
Service Improvement			240	240	240	240	240	1,200	1.5%
Growth Related									
Total by Project Category			14,171	15,275	15,382	16,992	17,104	78,924	100.0%
Asset Value (\$) at year-end	449,811		463,742	478,777	493,919	510,671	527,535	527,535	
Yearly SOGR Backlog Estimate (not addressed by current plan)			(2,941)	(8,082)	(9,138)	(10,738)	(9,538)	(40,437)	
Accumulated Backlog Estimate (end of year)		231,056	228,115	220,033	210,895	200,157	190,619	190,619	
Backlog: Percentage of Asset Value (%)		51.4%	49.2%	46.0%	42.7%	39.2%	36.1%		
Debt Service Costs			40	364	388	395	395	1,582	
Operating Impact on Program Costs			-	-	-	-	-	-	
New Positions									

**Table 1b
2021 - 2025 Capital Plan**

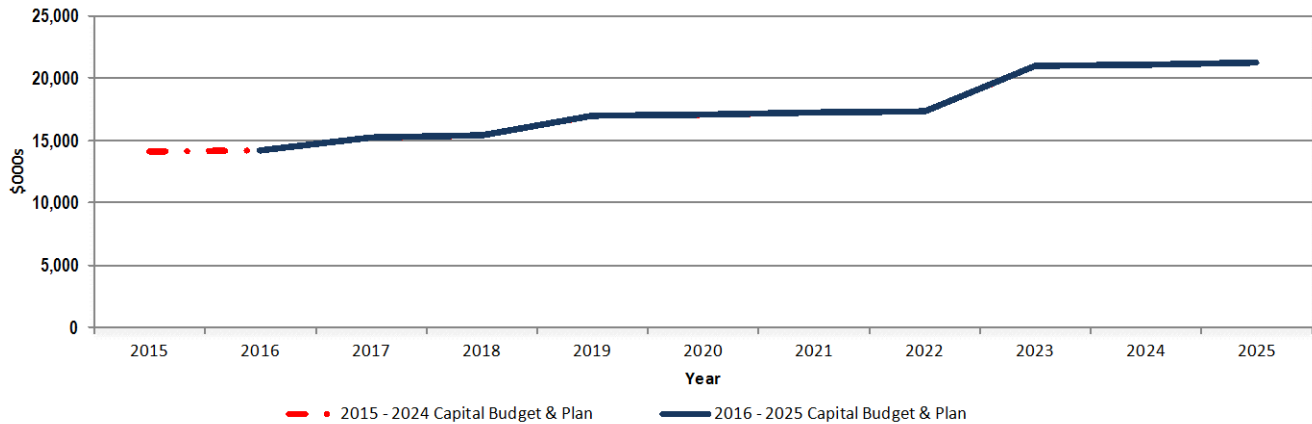


Key Changes to the 2015 - 2024 Approved Capital Plan

The 2016 Capital Budget and the 2017 - 2025 Capital Plan reflects an increase of \$7.138 million in capital funding from the 2015 - 2024 Approved Capital Plan.

The table and chart below provide a breakdown of the \$7.138 million or 4.2% increase in the Capital Program on an annual basis from 2015 to 2025.

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



(\$000s)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Total
2015 - 2024 Capital Budget & Plan	14,069	14,171	15,275	15,382	16,992	17,104	17,219	17,337	20,958	21,084		169,591
2016 - 2025 Capital Budget & Plan		14,171	15,275	15,382	16,992	17,104	17,219	17,337	20,958	21,082	21,209	176,729
Change %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(0.0%)		4.2%
Change \$		0	0	0	0	0	0	0	0	(2)		7,138

As made evident in the chart above, the \$7.138 million increase in the Capital Program reflects the fact that 2025 includes supplementary Toronto Water funding that was added last year for Critical Erosion Control and Floodworks capital project.

As reflected in Table 2 below, changes to the 2015 – 2024 Approved Capital Plan, specifically the \$0.002 million decrease in capital funding over the nine common years of the Capital Plans (2016 – 2024) arise from a small adjustment for the Living City Action Plan capital project in 2024.

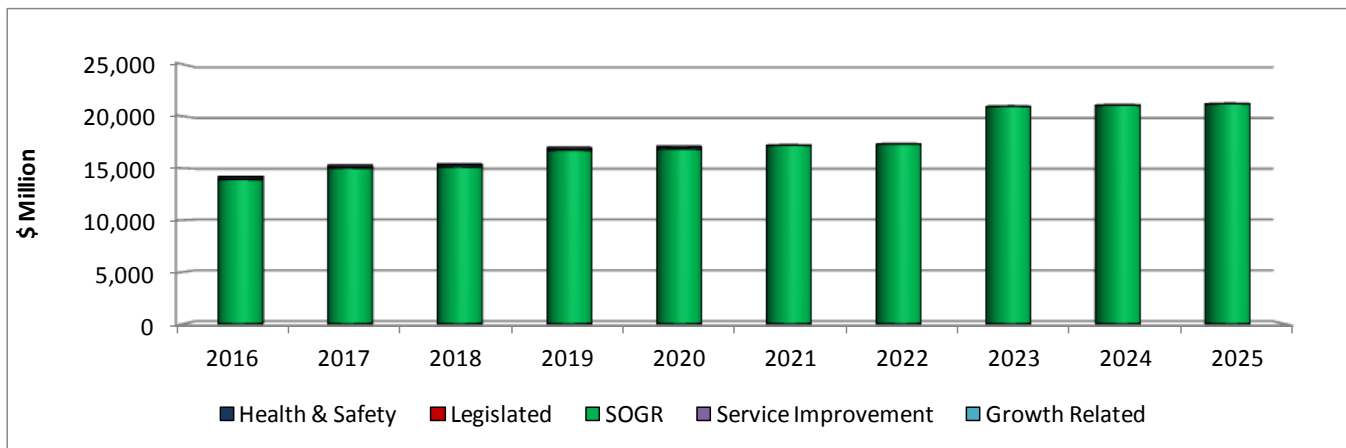
Table 2
Summary of Project Changes (In \$000s)

\$000s	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2016 - 2024 Total
2015 - 2024 Capital Budget & Plan	14,069	14,171	15,275	15,382	16,992	17,104	17,219	17,337	20,958	21,084		155,522
2016 - 2025 Capital Budget & Plan		14,171	15,275	15,382	16,992	17,104	17,219	17,337	20,958	21,082	21,209	155,520
Capital Budget & Plan Changes (2015 - 2023)		-	-	-	-	-	-	-	-	(2)		(2)

	Total Project Cost	2016	2017	2018	2019	2020	2021	2022	2023	2024	2016 - 2024	2025	Revised Total Project Cost
Previously Approved													
Living City Action Plan	32,779	-	-	-	-	-	-	-	-	(2)	(2)	3,814	36,591
Total Previously Approved	176,729	-	-	-	-	-	-	-	-	(2)	(2)	21,209	197,936
Total Changes		-	-	-	-	-	-	-	-	(2)	(2)	21,209	

2016 – 2025 Capital Plan

Chart 2
2016 – 2025 Capital Plan by Project Category (In \$000s)



As illustrated in the chart above, the 10-Year Capital Plan for TRCA of \$176.729 million provides 99.3% funding for State of Good Repair (SOGR) projects and 0.7% for Service Improvement projects.

- State of Good Repair projects total \$175.529 million and provide funding for major maintenance of existing waterfront erosion control structures, environmental rehabilitation, watershed monitoring and management, facilities retrofit and damage caused by high intensity and localized storms.
- Service Improvement funding provides \$1.200 million for such waterfront development initiatives as Tommy Thompson Park.

The following table details projects, by category, included in the 2016 – 2025 Capital Budget and Plan for TRCA:

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

	Total App'd Cash Flows to Date*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total	Rec'd Total Project Cost
Total Expenditures by Category													
State of Good Repair													
<i>Greenspace Land Acquisition</i>	N/A	100	100	100	100	100	100	100	100	100	100	1,000	N/A
<i>Waterfront & Valley Erosion Control</i>	N/A	1,550	1,550	1,600	1,600	1,600	1,600	1,600	3,600	3,600	3,600	21,900	N/A
<i>Black Creek Pioneer Village Retrofit</i>	N/A	350	350	350	350	350	350	350	350	350	350	3,500	N/A
<i>Living City Action Plan</i>	N/A	2,776	2,880	2,987	3,097	3,209	3,324	3,442	3,563	3,687	3,814	32,779	N/A
<i>Waterfront Development</i>	N/A	1,233	1,233	1,183	1,183	1,183	1,423	1,423	1,423	1,423	1,423	13,130	N/A
<i>TRCA Information Technology</i>	N/A	264	264	264	264	264	264	264	264	264	264	2,640	N/A
<i>Critical Erosion Control & Floodworks Needs</i>	N/A	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000	N/A
<i>TRCA Administrative Infrastructure Project</i>	N/A	658	658	658	658	658	658	658	658	658	658	6,580	N/A
<i>Critical Erosion - Water Funded Enhancements</i>	N/A	5,000	6,000	6,000	7,500	7,500	7,500	7,500	9,000	9,000	9,000	74,000	N/A
Sub-Total		13,931	15,035	15,142	16,752	16,864	17,219	17,337	20,958	21,082	21,209	175,529	-
Service Improvements													
<i>Waterfront Development- Tommy Thompson Park</i>	N/A	240	240	240	240	240						1,200	N/A
Sub-Total		240	240	240	240	240						1,200	-
Total Expenditures by Category (excluding carry forward)		14,171	15,275	15,382	16,992	17,104	17,219	17,337	20,958	21,082	21,209	176,729	-

*Life to Date approved cash flows are provided for multi-year capital projects with cash flow approvals prior to 2016, excluding ongoing capital projects (i.e. Civic Improvement projects)

2016 – 2025 Capital Projects

The 10-Year Capital Plan supports TRCA's objectives of creating a Living City which encompasses flood protection, erosion control, waterfront regeneration, acquisition of environmentally significant properties and environmental rehabilitation.

State of Good Repair (SOGR)

- SOGR projects account for \$175.529 million or 99.3% of the total 10-Year Capital Plan and include the following major initiatives.
 - *Greenspace Land Acquisition* (\$1.000 million): The project provides funding for the acquisition of small, environmentally significant land parcels within the watershed of the City; as well as fund surveys, appraisals and staff work on lands acquired through the development process, routine easements and right of way.
 - *Waterfront and Valley Erosion Control* (\$21.900 million): The project funds the annual inspection of known erosion hazard sites, as well as valley and shoreline erosion protection initiatives at a number of sites within Toronto, including Lake Ontario shorelines, which pose risk to residential dwellings, commercial and industrial buildings, public greenspace and infrastructure.
 - *Black Creek Pioneer Village* (\$3.500 million): The project provides funding to address urgent aging infrastructure and accessibility issues at the Black Creek Pioneer Village and to carry out patio repairs and gallery improvements at the Visitors' Centre.
 - *Living City Action Plan* (\$32.779 million): The project funds monitoring and re-naturalization of watercourses, water quality and habitat improvements at sites in the Don, Rouge, Highland, Etobicoke, Mimico and Humber watersheds. This project also funds channel maintenance, flood control works and watershed plans, and Canada Goose Management and Migratory Bird Corridor Programs.
 - *Waterfront Development* (\$13.130 million): The project provides funding for site planning, preparation and monitoring at various waterfront sites including Tommy Thompson Park, as well as dredging of the Keating channel and Ashbridges Bay.
 - *Critical Erosion Control and Floodworks Needs* (\$20.000 million): The project provides funding to acquire or implement erosion control works to protect a number of properties that were deemed at risk through detailed geotechnical investigations, to carry out flood control channel maintenance work at the Yonge-York Mills Channel, Black Creek Channel as well as Sheppard and Malvern Channels; and to address damage to city-wide private and public property caused by various storms.
 - *TRCA Infrastructure Technology* (\$2.640 million): The project funds upgrades and replacement of TRCA's servers and network devices and operating systems to ensure adequate capacity and integration of databases and other tools to enhance service delivery, as well as upgrades to the existing phone system.
 - *Critical Erosion and Floodworks – Water Funded Enhancements* (\$74.000 million): The project provides funding for remedial erosion control work for the Gibraltar Point and six weirs located on the Humber River, protection of property and existing infrastructure against the hazards of river erosion and slope instability; as well as erosion control and floodwork identified through annual inspections.

Service Improvements

- Service Improvement projects account for \$1.200 million or 0.7% of the total 10-year funding and are entirely allocated to the waterfront parkland development at Tommy Thompson Park.

2016 Capital Budget and Future Year Commitments

Included as a sub-set of the 10-Year Capital Plan is the 2016 Budget and Future Year Commitments, that consists of 2016 and future year cash flows for projects previously approved by Council; adjustments (Scope Change) to those previously approved projects; as well as new projects that collectively require Council approval to begin, continue or complete capital work.

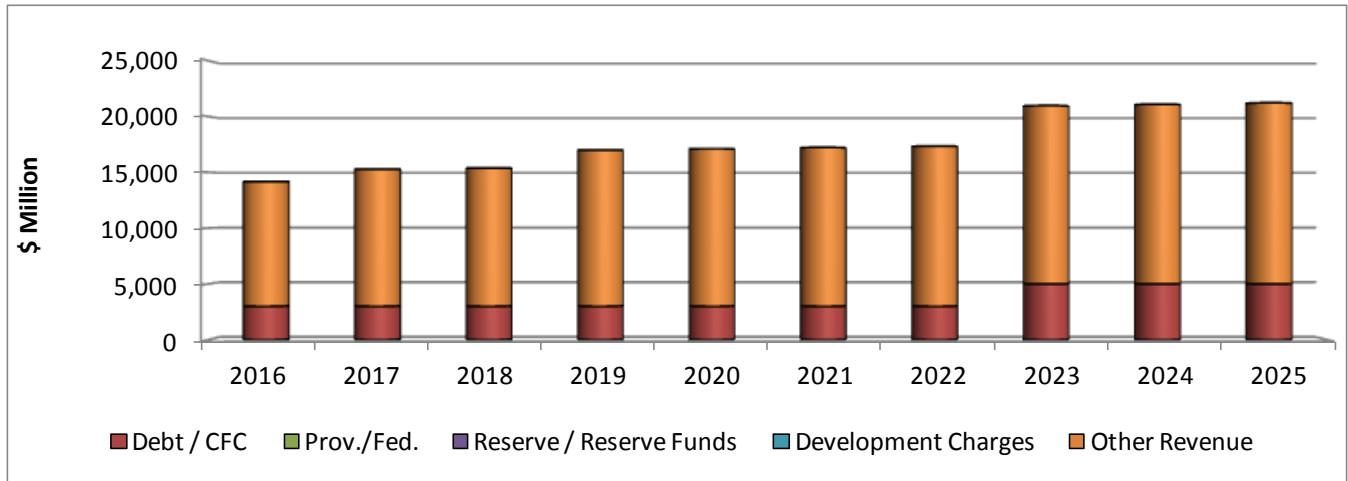
- Table 3a below lists the 2016 Cash Flows for TRCA. There are no future year commitments.

Table 3a
2016 Cash Flow & Future Year Commitments (In \$000s)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016 Cash Flow & FY Commits
Expenditures:											
New w/Future Year											
Greenspace Land Acquisition	100										100
Waterfront & Valley Erosion Control	1,550										1,550
Black Creek Pioneer Village Retrofit	350										350
Living City Action Plan	2,776										2,776
Waterfront Development	1,233										1,233
TRCA Information Technology	264										264
Critical Erosion Control & Floodworks Needs	2,000										2,000
TRCA Administrative Infrastructure Project	658										658
Critical Erosion - Water Funded Enhancements	5,000										5,000
Waterfront Development- Tommy Thompson Park	240										240
Subtotal	14,171	-	-	-	-	-	-	-	-	-	14,171
Total Expenditure	14,171	-	-	-	-	-	-	-	-	-	14,171
Financing:											
Debt/CFC	3,000										3,000
Debt Recoverable											
Other	11,171										11,171
Reserves/Res Funds											
Development Charges											
Provincial/Federal											
Total Financing	14,171	-	-	-	-	-	-	-	-	-	14,171

The 2016 Capital Budget requires funding of \$14.171 million for such new projects Waterfront & Valley Erosion Control, Living City Action Plan, Waterfront Development, Critical Erosion Control & Floodworks Needs and Critical Erosion – Water Funded Enhancements.

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

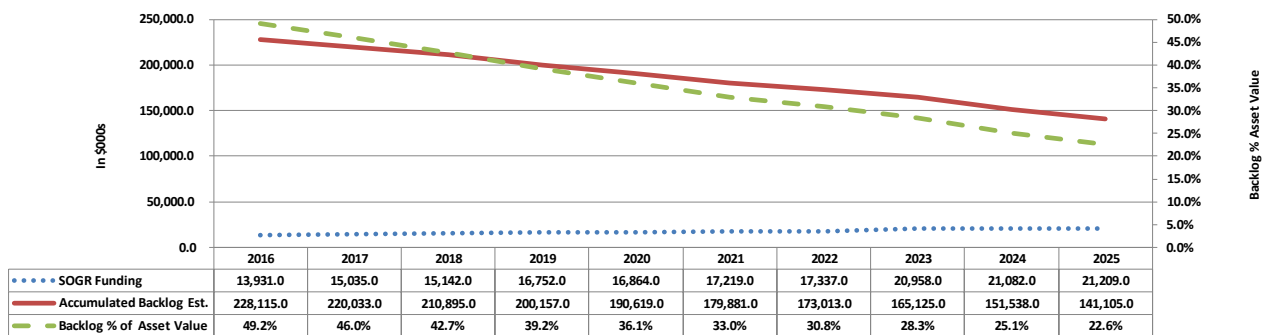


The 10-Year Capital Plan of \$176.729 million cash flow funding will be financed by the following sources:

- Debt, which accounts for \$36.000 million or 20% of the financing over the 10-year period and is in line with the debt affordability guideline in each year of the 10-year planning period.
- Toronto Water rate funding, which accounts for \$140.729 million or 80% of the financing over the 10-year period.

State of Good Repair (SOGR) Backlog

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



The 10-Year Capital Plan dedicates \$175.529 million to SOGR spending over 10-Year Capital Plan, which on average is \$17.553 million annually.

- TRCA's infrastructure consists of land, land improvements, buildings, infrastructure and capital work-in-progress in its overall watershed areas.

- TRCA faces many of the same pressures as City Programs and Agencies in dealing with aging infrastructure, the failure of which may create threats to safety of people and property. With over 400 valley and waterfront erosion control structures in the City of Toronto that must be monitored and repaired on a regular basis, TRCA has continually reallocated funds from other critical erosion projects for maintenance and monitoring requirements.
- In recent years, issues related to erosion and damage from high intensity, localized storms have increased. This has added to outstanding state of good repair work and potential safety issues. The addition of supplementary Toronto Water contributions, specifically for erosion control works, has begun to address these issues.
- At the end of 2015, TRCA will have a backlog of a state of good repair work estimated at \$231.056 million, representing 51.4% of the asset value estimated at \$449.811 million.
- The SOGR backlog estimate includes maintenance of natural environment through activities such as erosion control and source water protection; as well as the restoration of facilities such as the Black Creek Pioneer Village and TRCA's Head office building.
- State of Good Repair funding included in the 10-Year Capital Plan will reduce SOGR backlog to \$141.105 million or 22.6% of the asset replacement value in 2025.
- The state of good repair backlog by asset category is presented in the table below:

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

Total	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
State of Good Repair Funding	13,931	15,035	15,142	16,752	16,864	17,219	17,337	20,958	21,082	21,209
Accumulated Backlog Est. (yr end)	228,115	220,033	210,895	200,157	190,619	179,881	173,013	165,125	151,538	141,105
Backlog %Asset Value	49.2%	46.0%	42.7%	39.2%	36.1%	33.0%	30.8%	28.3%	25.1%	22.6%
Asset Value	463,742	478,777	493,919	510,671	527,535	544,754	562,091	583,049	604,131	625,340
Watershed										
State of Good Repair Funding	13,828	14,941	15,092	16,702	16,814	17,169	17,287	20,908	21,032	21,159
Accumulated Backlog Est. (yr end)	225,671	217,683	208,595	197,907	188,419	177,731	170,913	163,075	149,538	139,155
Backlog %Asset Value	54.4%	50.6%	46.9%	42.9%	39.4%	35.9%	33.3%	30.6%	27.0%	24.2%
Asset Value	414,854	429,795	444,887	461,589	478,403	495,572	512,859	533,767	554,799	575,958
Infrastructure										
State of Good Repair Funding	103	94	50	50	50	50	50	50	50	50
Accumulated Backlog Est. (yr end)	2,444	2,350	2,300	2,250	2,200	2,150	2,100	2,050	2,000	1,950
Backlog %Asset Value	5.0%	4.8%	4.7%	4.6%	4.5%	4.4%	4.3%	4.2%	4.1%	3.9%
Asset Value	48,888	48,982	49,032	49,082	49,132	49,182	49,232	49,282	49,332	49,382

- In 2016, the accumulated state of good repair backlog for watershed assets will be \$225.671 million or 54.4% of their replacement value; and infrastructure related accumulated state of good repair backlog will be valued at \$2.444 million or 5.0% of their replacement value.

10-Year Capital Plan: Net Operating Budget Impact

TRCA typically absorbs the operating impact of its completed capital projects, except in cases where it transfers an asset arising from a completed project to the City to manage it on an ongoing basis. For example, upon completion of TRCA's capital work on ravine parkland, TRCA transfers over the operation of the park to Parks, Forestry and Recreation (PF&R) under the existing agreement between

TRCA and the City. This increased operational responsibility would impact the Operating Budget of Parks, Forestry and Recreation.

No such operating impacts have been identified for 2016. TRCA staff will work closely with PF&R staff to ensure that future year budget submissions identify any operating impacts.



Part II:

Issues for Discussion

Issues for Discussion

Issues Impacting the 2016 Capital Budget

Review of the Capital Plan

- At its meeting on March 10 and 11, 2015, EX3.4 2015 Capital & Operating Budgets, City Council recommended that the Deputy City Manager & Chief Financial Officer commence a detailed review of the City's 2016 – 2025 capital requirements as part of the City's 2016 Capital Budget process to ensure that debt affordability targets continue to be maintained, and report the results to Budget Committee early in the 2016 Budget process.

<http://www.toronto.ca/legdocs/mmis/2015/ex/bgrd/backgroundfile-77305.pdf>

- The 2016-2025 Capital Plan provides funding to continue State of Good Repair projects previously approved by Council.
- TRCA projects were reviewed to ensure compliance with budget policies, Council directions and guidelines, strategic plans and affordability targets.
- The TRCA has no major capital projects included in the Capital Plan that meet the Auditor General's requirements for separate capital reporting.
- The TRCA is currently completing the Environmental Assessment for the Scarborough Waterfront Access Plan. If approved, this project will be included in the City's list of Major Capital Projects.

Erosion Control

At its meeting on March 10 and 11, 2015, EX3.4 2015 Capital & Operating Budgets, City Council adopted the following recommendation:

118. City Council request the General Manager, Toronto Water and the Chief Executive Officer, Toronto and Region Conservation Authority, in consultation with the Director, Financial Planning, to work more closely together on the selection of priorities for erosion control and source water protection projects in the City of Toronto, in light of the additional City investment for these initiatives.

- In 2015, TRCA identified additional critical erosion and flood protection projects across the City to protect against on-going land erosion and flagged additional funding requirements to Toronto Water. As a result, additional critical erosion funding of \$65.000 million, funded from Toronto Water, was approved in TRCA's Approved Capital Budget and 2016-2024 Capital Plan.
- This significant investment is dedicated to providing long-term protection for the Gibraltar Point Sector of the Toronto Islands, carrying out erosion control works on the six weirs (flow control structure) located on the Humber River, conducting erosion control work to supplement TRCA's ongoing Waterfront Major Maintenance program and additional erosion control and flood work identified through annual inspections.

- In 2015, Toronto Water and TRCA have been refining the criteria and processes for the selection of erosion and control and source protection projects. With the favourable weather conditions of 2015 (fewer large rain events), few new erosion control projects have been identified and the focus remains on reducing the backlog of works identified following the July 8, 2013 storm event. Priority activities, arising from the July 8, 2013 storm event, include the following:
 - pre-planning of critical erosion control and flood works projects, such as the development of work plans and preliminary budgets;
 - ongoing inspections to update priorities for repairs and remedial works;
 - minor and interim maintenance, such as installing hazard fencing, installing temporary armouring along creek banks to protect public safety and infrastructure, and removing unstable structures away from hazardous slopes and riverbanks; and
 - negotiation of the erosion control agreements with private landowners
- TRCA reports quarterly to the City and Toronto Water on the progress made on critical erosion and flood works projects.
- Starting in 2016, it is requested that TRCA report quarterly spending by project, as part of the City's Quarterly Capital Variance reporting process.

Issues Impacting the 10-Year Capital Plan

Unmet Needs

- The 2016 Capital budget includes significant funding to deal with the most pressing erosion control projects, including those created by recent extreme weather events.
- TRCA has identified \$182.942 million of unmet needs, including \$60 million for the Scarborough Waterfront Access Trail that could not be accommodated within the existing debt targets and that go beyond erosion control and source water protection.
- These projects include the restoration of the natural environment, the creation of recreation and transportation infrastructure such as visitor's centres, public access to the water, trails, and cycling paths. These projects have linkages to the service objectives of other City Programs including Parks, Forestry and Recreation, Toronto Water and Transportation Services.
- In addition to the erosion control works, TRCA has requested capital funding for projects relating to asset and infrastructure needs, land acquisition and other environmental studies. The following table lists TRCA's unfunded priorities:

Project Description	Total Project Cost	Cash Flow (000's)									
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Council Requested											
Scarborough Waterfront Access Trail	60,000		6,000	6,000	6,000	6,000	6,000	7,500	7,500	7,500	7,500
South Mimico Trail Connection	2,000	1,300	700	-	-	-	-	-	-	-	-
Sherway Trail Connection & Restoration Plan	200	200	-	-	-	-	-	-	-	-	-
Scarborough Bluffs West Project EA	2,000	1,500	500	-	-	-	-	-	-	-	-
Scarborough Bluffs West Project Implementation	32,000	-	-	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Tommy Thompson Park Enhancements	17,312	1,500	990	4,267	2,555	2,000	2,000	2,000	2,000	-	-
Authority Board Directed											
81 - 83 Fishleigh Drive	2,400	1,200	1,200	-	-	-	-	-	-	-	-
TRCA Asset & Infrastructure Needs											
Long Term Office Accommodation Project	9,000	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
IT Infrastructure	1,000	100	100	100	100	100	100	100	100	100	100
Black Creek Pioneer Village Retrofit	4,000	400	400	400	400	400	400	400	400	400	400
Assets Management Plan Analysis and Development	500	250	250	-	-	-	-	-	-	-	-
Assets Management Plan Implementation	4,600	-	-	500	500	550	550	600	600	650	650
Land Acquisition											
Greenlands Acquisition Project	31,250	2,000	2,250	2,500	2,750	3,000	3,250	3,500	3,750	4,000	4,250
Erosion Control											
Lower Humber Weirs EA and Implementation	2,925	425	1,000	500	650	350	-	-	-	-	-
Flood Mitigation Priority Enhancements	1,500	150	150	150	150	150	150	150	150	150	150
Special Policy Areas and Flood Vulnerable Areas Reviews	1,500	150	150	150	150	150	150	150	150	150	150
Other Studies and Initiatives											
Watershed Updates and Follow-up Program	1,875	175	175	175	175	175	200	200	200	200	200
Gatineau Hydro Corridor Revitalization (Scarb Butterfly Trail)	1,000	100	100	100	100	100	100	100	100	100	100
Integrated Youth Development Program	3,500	350	350	350	350	350	350	350	350	350	350
Climate Research and Resilience	750	75	75	75	75	75	75	75	75	75	75
Sustainable Neighborhood Retrofit Action Plan	1,175	75	75	100	100	100	125	125	150	150	175
Partners in Project Green	2,455	175	320	370	250	250	250	230	210	200	200
Total	182,942	10,125	15,785	20,737	19,305	18,750	18,700	20,480	20,735	19,025	19,300

- Given the extended list of unfunded capital work, which includes the Scarborough Waterfront Trail, consideration of these projects has been deferred to the 2017 Budget process to enable TRCA to provide additional information, including detailed business cases that outline project description, justification, major milestones and deliverables.
- Prior to the 2017 Budget process, it is requested that TRCA, Parks Forestry and Recreation, Toronto Water, and Transportation Services will meet quarterly (or more frequently as required) in a variety of issue specific technical groupings to review new hazards identified, discuss proposed projects and work plans, address permitting and natural feature protection requirements, and promote ongoing collaborative decision-making and efficient use of public funds.
- It is recommended that TRCA develop a comprehensive long range capital plan that takes these issues into consideration and aligns to Council priorities and the Strategic Action Plan. The Plan will also align to the City of Toronto's Ravine and Waterfront Strategy, and Co-ordinated Watercourse Management Plan, and the strategy to improve public realm.
- The 2016 Capital Budget and 10 Year Capital Plan has remained at the funding levels determined in the 2015 Council Approved 10 Year Plan pending consideration of comprehensive master Capital Plan for TRCA.

Unfunded Priority Projects - Scarborough Waterfront Access Plan

- At the Toronto and Region Conservation Authority's meeting, held on April 26, 2013, Resolution #A63/13 was approved as follows:

THAT the Authority request the City of Toronto to increase the TRCA annual capital budget contribution, beginning in 2014, by \$6 million dedicated to funding projects including the Scarborough Waterfront Trail, erosion control works, and land acquisition for source water protection.

- Toronto Water provided funding of \$1.5 million in 2014 to begin the environmental assessment (EA) work for the Scarborough Waterfront Access Plan and further funding of \$1.5 million was approved in 2015 to complete the environmental assessment.
- The Environmental Assessment is expected to be completed in early 2016.
- The vision of the Scarborough Waterfront Access Plan (SWAP) is a system of linked scenic landscapes both along the top of the bluffs and at the water's edge for the over 8 kilometre section of the shoreline between Bluffer's Park and East Point Park.
- The objectives of the Scarborough Waterfront Project are set out as follows:
 - Integrate existing shoreline infrastructure to provide safe public access to and along the waterfront, while respecting the natural and scientific importance of the Scarborough Bluffs;
 - Provide an environmentally sustainable waterfront experience including sweeping views and vistas, terrestrial aquatic habitat improvements, and recreational and cultural amenities; and
 - Assess opportunities to adjust shoreline erosion protection measures to facilitate cost and construction efficiencies.
- The Plan has three components: (i) completion of toe protection for Scarborough Bluffs, where they currently do not exist, between Brimley Rd (Bluffer Park) east to Highland Creek; (ii) construction of a multipurpose waterfront trail, and (iii) construction of access pathways from the top of the Bluffs to the Lake Ontario Waterfront. In addition, implicit in the concept is the need to enhance lakefront parks, such as Bluffer's Park.
- The scope of this project includes erosion control components as well as recreation and cycling infrastructure and has impacts on other City Programs. The completed assets and infrastructure are to be maintained by Parks, Forestry & Recreation as well as Transportation Services. As a result, only those aspects that address erosion control and source water protection would be eligible for water rate funding.
- Prior to finalizing the EA, TRCA will report back to Council with the cost for erosion components identified separately from the trail and waterfront access components of the plan (as recommended in the Staff Report titled: "Co-ordinated Watercourse Management Plan", PW31.14, Adopted by City Council on June 10-14, 2014)
- As part of the 2017 Budget cycle, appropriate funding sources will be reviewed and may include the reallocation of debt from other priorities.

- Operating Impacts arising from these projects must also be determined as the Parks, Forestry and Recreation Operating Budget must include these in future years.
- This project is excluded from TRCA's 2016 Capital Budget and 10-Year Capital Plan.
- Project costs for this project have been maintained at \$60.0 million pending completion of EA, with additional funding starting in 2017, as outlined in the table below:

Project Description	Cash Flow									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Scarborough Waterfront - Implementation		6,000.0	6,000.0	6,000.0	6,000.0	6,000.0	7,500.0	7,500.0	7,500.0	7,500.0

Issues Referred to the 2016 Capital Budget Process

Waterfront Projects

- At its meeting on March 10 and 11, 2015, City Council adopted EX3.1 - 2015 Rate Supported Budgets -Toronto Water and 2015 Water and Wastewater Rates and Service Fee, the following recommendation:
 19. *City Council request the General Manager, Toronto Water and the Deputy City Manager and Chief Financial Officer, in consultation with the General Manager, Parks, Forestry and Recreation and Chief Executive Officer, Toronto and Region Conservation Authority, to consider as part of the 2016 budget process, funding the following Toronto Waterfront projects:*
 - a. *\$1.5 million for Etobicoke Waterfront projects including Humber Bay Park and Mimico Park Trail enhancements;*
 - b. *\$1.5 million for Scarborough Waterfront projects including the Scarborough Bluffs Waterfront Trail Environmental Assessment; and*
 - c. *\$1.5 million for Toronto Waterfront projects including Tommy Thompson Park enhancements.*
 - These projects have been included in the TRCA's list of unmet needs and consideration of these projects was deferred to the 2017 budget cycle.
 - Additional information is needed to evaluate these projects. Consistent with the City of Toronto’s Capital planning process, TRCA was requested to develop business cases for these projects including project purpose, justification, and supplementary information, as appropriate, for the project that will assist in the decision making process.
- At its meeting on December 9 and 10, 2015, City Council adopted EX10.23 - 2016 Rate Supported Budgets –Toronto Water and Recommended 2016 Water and Wastewater Rates and Service Fees, adopted the following recommendation:
 11. *City Council include a Toronto Water Capital contribution towards the following project, identified as a priority restoration project by the Toronto and Region Conservation Authority,*

and identified as "shovel ready", as part of the 2016 Toronto Water Capital budget, with funds from the Toronto Water Capital Reserve as follows:

- \$2,000,000 for Scarborough Bluffs West Project Environmental Assessment with a total project cost of \$2,000,000 cash flowed over the 2 or 3 year life of the project.

- This project appears on the TRCA Unmet Needs list in the previous section; however, it is not included in the 2016-2025 Capital Budget and Plan for TRCA because of the timing of this Council decision.
- In addition to watercourse management and erosion control, the deliverables for these projects includes parklands, trails, visitor centres, and bicycles paths that would result in new infrastructure for Parks, Forestry & Recreation as well as Transportation Services to maintain.
- The City requires the future operating, maintenance and renewal costs to be determined as the impact on future Operating Budgets can be part of the overall consideration.
- TRCA has been requested to further develop the plan for these capital projects with input from the General Managers of Toronto Water, Transportation and Parks, Forestry & Recreation; and prior to finalizing the Class EA for the Etobicoke & Scarborough Waterfront report back to City Council with the costs for the erosion control component identified separately from the trails and waterfront access components.

Toronto Water – Contributions from the sale of water

- At its meeting on June 10-14, 2014, City Council adopted PW31.14 Co-ordinated Watercourse Management Plan the following recommendations:
 2. *City Council consider future funding for the Toronto and Region Conservation Authority Erosion Management Program in conjunction with the upcoming report by the Deputy City Manager and Chief Financial Officer, and the General Manager, Toronto Water to the Executive Committee on financing strategies to support Toronto Water's long term Capital Plan.*
 4. *City Council request the Toronto and Region Conservation Authority, with input from the General Manager of Toronto Water and the General Manager of Parks, Forestry and Recreation, to complete the Class Environmental Assessment for Black Creek Flood Management and report to Council on preferred measures to further mitigate valley land flooding of the Rockcliffe area in the Black Creek Watershed and a proposed funding mechanism.*
 6. *City Council request the Toronto and Region Conservation Authority, with input from the General Managers of Toronto Water, Transportation Services and Parks, Forestry and Recreation, to report back prior to finalizing the Class Environmental Assessment for the Scarborough Waterfront Access Plan with the costs for erosion control components identified separately from the trail and waterfront access components of the plan.*
- Funding for TRCA projects has historically come from both debt and Toronto Water as the projects supported erosion control, flood works and joint source water protection strategies.

- This funding combination has been employed as these projects often go beyond the mandate of Toronto Water and are not restricted to work that is eligible for water rate funding, as they include:
 - The creation of recreation and transportation infrastructure such as visitor's centres, public access to the water, trails, and cycling paths.
 - The protection of other City Division infrastructure or facilities that are affected by erosion in ravines, and stream and river valleys
 - The elimination of unmanaged informal trails
 - enhance habitat and natural corridor connections for local wildlife
 - prevent sedimentation which is a threat to aquatic species
 - Improve ecological function and resilience of shoreline to climate change



Appendices

Appendix 1 2015 Performance

2015 Key Accomplishments

In 2015, TRCA made significant progress and/or accomplished the following:

- ✓ Completed office move which consolidated most office staff into one location, maximizing efficiency, process improvements, service delivery and equipment usage.
- ✓ Operated and maintained three dams and three flood control channels. Dams were operated 86 times in 2015. All dams were inspected and tested to meet current Ontario dam safety regulations. Public Safety around Dam evaluations were completed on each dam to ensure public safety around structures.
- ✓ Reviewed development applications and participated in infrastructure planning decisions to mitigate or eliminate flood hazard to existing and planned communities. TRCA staff reviewed over 80 development applications in Toronto, as well as provided input into numerous City Environmental Assessment projects including TTC/Metrolinx, Wet Weather Flow and Basement Flooding projects.

2015 Financial Performance

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

2015 Approved	As of Sept. 30, 2015		Projected Actuals at Year End		Unspent Balance	
	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
14,069	10,376	73.8%	14,069	100.0%	-	0.0%

* Based on 2015 Third Quarter Capital Variance Report

2015 Experience

At its meeting on December 9, 2015, Council approved the 2015 Capital Variance Report for the nine months ended September 30, 2015. Please refer to the attached link for the staff report regarding the details of variance explanations and year-end projections for TRCA:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.EX10.28>

Impact of the 2015 Capital Variance on the 2016 Capital Budget

- There is no impact of the 2015 Capital Variance on the 2016 Capital Budget.

Appendix 2

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

Project	Total Project Cost	2016	2017	2018	2019	2020	2016 - 2020	2021	2022	2023	2024	2025	2016 - 2025 Total
State of Good Repair:													
<i>Greenspace Land Acquisition</i>	100	100					100						100
<i>Waterfront & Valley Erosion Control</i>	1,550	1,550					1,550						1,550
<i>Black Creek Pioneer Village Retrofit</i>	350	350					350						350
<i>Living City Action Plan</i>	2,776	2,776					2,776						2,776
<i>Waterfront Development</i>	1,233	1,233					1,233						1,233
<i>TRCA Information Technology</i>	264	264					264						264
<i>Critical Erosion Control & Floodworks Needs</i>	2,000	2,000					2,000						2,000
<i>TRCA Administrative Infrastructure Project</i>	658	658					658						658
<i>Critical Erosion - Water Funded Enhancements</i>	5,000	5,000					5,000						5,000
Sub-Total		13,931	-	-	-	-	13,931	-	-	-	-	-	13,931
Service Improvements:													
<i>Waterfront Development - Tommy Thompson Park</i>	240	240					240						240
Sub-Total		240	-	-	-	-	240	-	-	-	-	-	240
Total (excluding carry forward funding)		14,171	-	-	-	-	14,171						14,171

Appendix 3

2016 Capital Budget; 2017 to 2025 Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto & Region Conservation Authority

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TRC000003 GREENSPACE LAND ACQUISITION (Toronto Sh																								
2	2	Greenspace Land Acquisition Future Years project	CW	S6	03	0	0	0	0	0	0	500	500	0	0	0	0	0	0	500	0	0	0	500
1	5	Greenspace Land Acquisition (active 09+)	CW	S5	03	100	100	100	100	100	500	0	500	0	0	0	0	0	0	500	0	0	0	500
Sub-total						100	100	100	100	100	500	500	1,000	0	0	0	0	0	0	1,000	0	0	0	1,000
TRC000017 WATERFRONT & VALLEY EROSION CONTROL																								
24	21	POST 5 YEARS EROSION: ALL SITES	CW	S6	03	0	0	0	0	0	0	14,000	14,000	0	0	0	0	0	0	3,200	0	10,800	0	14,000
0	71	Shoreline Monitoring & Maintenance 2009 and on	CW	S5	03	400	400	400	400	400	2,000	0	2,000	0	0	0	0	0	1,000	0	1,000	0	2,000	
0	76	2011+ Erosion Control Works Major Maintenance	CW	S5	03	1,150	1,150	1,200	1,200	1,200	5,900	0	5,900	0	0	0	0	0	2,950	0	2,950	0	5,900	
Sub-total						1,550	1,550	1,600	1,600	1,600	7,900	14,000	21,900	0	0	0	0	0	0	7,150	0	14,750	0	21,900
TRC000195 BLACK CREEK PIONEER VILLAGE RETROFIT																								
1	6	Retrofit Activities for 2009+	08	S5	03	300	300	300	300	350	1,550	0	1,550	0	0	0	0	0	0	0	1,550	0	1,550	
3	7	Visitor Centre Active 2009+	08	S5	03	50	50	50	50	0	200	0	200	0	0	0	0	0	0	0	200	0	200	
0	9	Post Current 5 year Project	01	S6	03	0	0	0	0	0	0	1,750	1,750	0	0	0	0	0	0	0	1,750	0	1,750	
Sub-total						350	350	350	350	350	1,750	1,750	3,500	0	0	0	0	0	0	0	0	3,500	0	3,500
TRC000315 LIVING CITY ACTION PLAN (Formerly T.O.RAP																								
10	8	ACTIVE Remedial Action Plan: Post 5 Year All Sites	CW	S6	03	0	0	0	0	0	0	17,830	17,830	0	0	0	0	0	0	17,830	0	0	0	17,830
11	21	Sustainable Communities 2008+	CW	S5	03	909	871	879	972	974	4,605	0	4,605	0	0	0	0	0	0	4,605	0	0	0	4,605
7	23	Watershed Monitoring/Terrestrial Natural 2008+	CW	S5	03	512	507	507	507	512	2,545	0	2,545	0	0	0	0	0	0	2,545	0	0	0	2,545
12	24	Regional Watershed Management 2008+	CW	S5	03	925	1,059	1,146	1,150	1,243	5,523	0	5,523	0	0	0	0	0	0	5,523	0	0	0	5,523
1	25	Regeneration Sites 2008+	CW	S5	03	430	443	455	468	480	2,276	0	2,276	0	0	0	0	0	0	2,276	0	0	0	2,276
Sub-total						2,776	2,880	2,987	3,097	3,209	14,949	17,830	32,779	0	0	0	0	0	0	32,779	0	0	0	32,779
TRC16 WATERFRONT DEVELOPMENT																								
13	21	ACTIVE Wtrfrnt Dev:POST CURRENT 5 YEAR-ALL	CW	S6	03	0	0	0	0	0	0	7,115	7,115	0	0	0	0	0	0	3,275	0	3,840	0	7,115
3	37	Wtrfrnt Dev:Environmental Monitoring & Maintenance	CW	S5	03	245	245	245	245	245	1,225	0	1,225	0	0	0	0	0	0	0	1,225	0	1,225	
1	38	Wtrfrnt Dev:Keating Channel Dredging	30	S5	03	320	320	320	320	320	1,600	0	1,600	0	0	0	0	0	0	1,600	0	0	0	1,600
4	39	Wtrfrnt Dev:Tommy Thompson Park Interim Management	30	S5	04	240	240	240	240	240	1,200	0	1,200	0	0	0	0	0	0	0	1,200	0	1,200	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto & Region Conservation Authority

Sub- Project No. Project Name Priority/SubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TRC16 WATERFRONT DEVELOPMENT																								
2	40	Wtrfrnt Dev :Information Management	CW	S5	03	50	50	50	50	50	250	0	250	0	0	0	0	0	0	0	0	250	0	250
5	41	Wtrfrnt Dev :Ashbridges Bay	32	S5	03	300	300	250	250	250	1,350	0	1,350	0	0	0	0	0	675	0	675	0	1,350	
12	43	Tommy Thompson- Cell 2 Capping Phase 1	30	S5	03	50	50	50	50	50	250	0	250	0	0	0	0	0	250	0	0	0	250	
4	47	Toronto Waterfront Planning (Scarborough Shoreline)	CW	S5	03	80	80	80	80	80	400	0	400	0	0	0	0	0	0	0	400	0	400	
0	48	Waterfront Development ongoing Major Maintenance	CW	S5	03	188	188	188	188	188	940	0	940	0	0	0	0	0	0	0	940	0	940	
Sub-total						1,473	1,473	1,423	1,423	1,423	7,215	7,115	14,330	0	0	0	0	0	5,800	0	8,530	0	14,330	
TRC906093 TRCA INFORMATION TECHNOLOGY																								
1	4	Info Technology:Replacement items 2008+	CW	S5	03	264	264	264	264	264	1,320	1,320	2,640	0	0	0	0	0	0	0	2,640	0	2,640	
Sub-total						264	264	264	264	264	1,320	1,320	2,640	0	0	0	0	0	0	0	2,640	0	2,640	
TRC907697 CRITICAL EROSION CONTROL & FLOODWOR																								
3	4	Layer1:Flood Control:Hoggs,G.Ross,Black Cr Channel	25	S5	03	200	200	200	200	200	1,000	1,000	2,000	0	0	0	0	0	2,000	0	0	0	2,000	
0	22	Layer1:More Waterfront Major Maintenance/Strategy	CW	S6	03	0	0	0	0	300	300	3,100	3,400	0	0	0	0	0	3,400	0	0	0	3,400	
0	28	Layer1:EC 441-449 GUILDWOOD PARKWAY	41	S5	03	600	0	0	0	0	600	0	600	0	0	0	0	0	600	0	0	0	600	
0	29	Layer1:Valley EC Hazards / July 8/13 Storm	CW	S5	03	1,200	1,800	1,800	1,800	1,500	8,100	5,900	14,000	0	0	0	0	0	14,000	0	0	0	14,000	
Sub-total						2,000	2,000	2,000	2,000	2,000	10,000	10,000	20,000	0	0	0	0	0	20,000	0	0	0	20,000	
TRC908079 TRCA ADMINISTRATIVE INFRASTRUCTURE PF																								
0	1	Former Major Facilities Project now consolidated	CW	S5	03	460	460	460	460	460	2,300	2,498	4,798	0	0	0	0	0	0	0	4,798	0	4,798	
0	2	Former Public use now consolidated	CW	S5	03	198	198	198	198	198	990	792	1,782	0	0	0	0	0	0	0	1,782	0	1,782	
Sub-total						658	658	658	658	658	3,290	3,290	6,580	0	0	0	0	0	0	0	6,580	0	6,580	
TRC908135 CRITICAL EROSION #2 WATER FUNDED ENH#																								
0	1	Layer 2 : Gibraltar Point Erosion	34	S6	03	0	3,500	4,000	4,300	1,700	13,500	0	13,500	0	0	0	0	0	13,500	0	0	0	13,500	
0	2	Layer 2: Extra Floodworks Major Maintenance	CW	S6	03	0	300	100	0	0	400	0	400	0	0	0	0	0	400	0	0	0	400	
0	3	Layer 2: Extra Erosion Major Maintenance	CW	S6	03	0	1,700	900	2,200	2,100	6,900	22,300	29,200	0	0	0	0	0	29,200	0	0	0	29,200	
0	4	Layer 2: Lower Humber Weir Removals	05	S6	03	0	0	0	0	3,000	3,000	1,000	4,000	0	0	0	0	0	4,000	0	0	0	4,000	
0	5	Layer 2: Extra Waterfront Major Maintenance	CW	S6	03	0	500	1,000	1,000	700	3,200	18,700	21,900	0	0	0	0	0	21,900	0	0	0	21,900	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto & Region Conservation Authority

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TRC908135 CRITICAL EROSION #2 WATER FUNDED ENH#																								
0	6	Layer 2: Extra Floodworks Major Maintenance (2016)	CW	S5	03	800	0	0	0	0	800	0	800	0	0	0	0	0	0	800	0	0	0	800
0	7	Layer 2: Extra Erosion Major Maintenance (2016)	CW	S5	03	2,900	0	0	0	0	2,900	0	2,900	0	0	0	0	0	2,900	0	0	0	2,900	
0	8	Layer 2:Extra Waterfront Major Maintenance (2016)	CW	S5	03	1,300	0	0	0	0	1,300	0	1,300	0	0	0	0	0	1,300	0	0	0	1,300	
Sub-total						5,000	6,000	6,000	7,500	7,500	32,000	42,000	74,000	0	0	0	0	0	0	74,000	0	0	0	74,000
Total Program Expenditure						14,171	15,275	15,382	16,992	17,104	78,924	97,805	176,729	0	0	0	0	0	0	140,729	0	36,000	0	176,729

Report Phase 2 - Program 02 Toronto & Region Conservation Authority Program Phase 2 Sub-Project Category 01,02,03,04,05 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2016 Capital Budget; 2017 to 2025 Capital Plan**Toronto & Region Conservation Authority**

						Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By													
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																				
Financed By:																									
	Other1 (Internal)					11,171	12,275	12,382	13,992	14,104	63,924	76,805	140,729	0	0	0	0	0	0	140,729	0	0	0	140,729	
	Debt					3,000	3,000	3,000	3,000	3,000	15,000	21,000	36,000	0	0	0	0	0	0	0	0	0	36,000	0	36,000
Total Program Financing						14,171	15,275	15,382	16,992	17,104	78,924	97,805	176,729	0	0	0	0	0	0	140,729	0	36,000	0	176,729	

Status Code	Description
S2	S2 Prior Year (With 2016 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2016 and/or Future Year Cost(Cashflow)
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)
S6	S6 New - Future Year (Commencing in 2017 & Beyond)

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

Appendix 4

2016 Cash Flow and Future Year Commitments

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Cash Flow and Future Year Commitments

Toronto & Region Conservation Authority

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TRC000003 GREENSPACE LAND ACQUISITION (Toronto Sh																								
1	5	Greenspace Land Acquisition (active 09+)	CW	S5	03	100	0	0	0	0	100	0	100	0	0	0	0	0	0	100	0	0	0	100
Sub-total						100	0	0	0	0	100	0	100	0	0	0	0	0	0	100	0	0	0	100
TRC000017 WATERFRONT & VALLEY EROSION CONTROL																								
0	71	Shoreline Monitoring & Maintenance 2009 and on	CW	S5	03	400	0	0	0	0	400	0	400	0	0	0	0	0	200	0	200	0	400	
0	76	2011+ Erosion Control Works Major Maintenance	CW	S5	03	1,150	0	0	0	0	1,150	0	1,150	0	0	0	0	0	575	0	575	0	1,150	
Sub-total						1,550	0	0	0	0	1,550	0	1,550	0	0	0	0	0	775	0	775	0	1,550	
TRC000195 BLACK CREEK PIONEER VILLAGE RETROFIT																								
1	6	Retrofit Activities for 2009+	08	S5	03	300	0	0	0	0	300	0	300	0	0	0	0	0	0	0	300	0	300	
3	7	Visitor Centre Active 2009+	08	S5	03	50	0	0	0	0	50	0	50	0	0	0	0	0	0	0	50	0	50	
Sub-total						350	0	0	0	0	350	0	350	0	0	0	0	0	0	0	350	0	350	
TRC000315 LIVING CITY ACTION PLAN (Formerly T.O.RAP																								
11	21	Sustainable Communities 2008+	CW	S5	03	909	0	0	0	0	909	0	909	0	0	0	0	0	909	0	0	0	909	
7	23	Watershed Monitoring/Terrestrial Natural 2008+	CW	S5	03	512	0	0	0	0	512	0	512	0	0	0	0	0	512	0	0	0	512	
12	24	Regional Watershed Management 2008+	CW	S5	03	925	0	0	0	0	925	0	925	0	0	0	0	0	925	0	0	0	925	
1	25	Regeneration Sites 2008+	CW	S5	03	430	0	0	0	0	430	0	430	0	0	0	0	0	430	0	0	0	430	
Sub-total						2,776	0	0	0	0	2,776	0	2,776	0	0	0	0	0	2,776	0	0	0	2,776	
TRC16 WATERFRONT DEVELOPMENT																								
3	37	Wtrfrnt Dev:Environmental Monitoring & Maintenance	CW	S5	03	245	0	0	0	0	245	0	245	0	0	0	0	0	0	245	0	0	245	
1	38	Wtrfrnt Dev:Keating Channel Dredging	30	S5	03	320	0	0	0	0	320	0	320	0	0	0	0	0	320	0	0	0	320	
4	39	Wtrfrnt Dev:Tommy Thompson Park Interim Management	30	S5	04	240	0	0	0	0	240	0	240	0	0	0	0	0	0	240	0	0	240	
2	40	Wtrfrnt Dev :Information Management	CW	S5	03	50	0	0	0	0	50	0	50	0	0	0	0	0	0	50	0	0	50	
5	41	Wtrfrnt Dev :Ashbridges Bay	32	S5	03	300	0	0	0	0	300	0	300	0	0	0	0	0	150	0	150	0	300	
12	43	Tommy Thompson- Cell 2 Capping Phase 1	30	S5	03	50	0	0	0	0	50	0	50	0	0	0	0	0	50	0	0	0	50	
4	47	Toronto Waterfront Planning (Scarborough Shoreline	CW	S5	03	80	0	0	0	0	80	0	80	0	0	0	0	0	0	80	0	0	80	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Cash Flow and Future Year Commitments

Toronto & Region Conservation Authority

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By											
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TRC16 WATERFRONT DEVELOPMENT																								
0	48	Waterfront Development ongoing Major Maintenance	CW	S5	03	188	0	0	0	0	188	0	188	0	0	0	0	0	0	0	188	0	188	
Sub-total						1,473	0	0	0	0	1,473	0	1,473	0	0	0	0	0	520	0	953	0	1,473	
TRC906093 TRCA INFORMATION TECHNOLOGY																								
1	4	Info Technology:Replacement items 2008+	CW	S5	03	264	0	0	0	0	264	0	264	0	0	0	0	0	0	0	264	0	264	
Sub-total						264	0	0	0	0	264	0	264	0	0	0	0	0	0	0	0	264	0	264
TRC907697 CRITICAL EROSION CONTROL & FLOODWOR																								
3	4	Layer1:Flood Control:Hoggs,G.Ross,Black Cr Channel	25	S5	03	200	0	0	0	0	200	0	200	0	0	0	0	0	200	0	0	0	200	
0	28	Layer1:EC 441-449 GUILDWOOD PARKWAY	41	S5	03	600	0	0	0	0	600	0	600	0	0	0	0	0	600	0	0	0	600	
0	29	Layer1:Valley EC Hazards / July 8/13 Storm	CW	S5	03	1,200	0	0	0	0	1,200	0	1,200	0	0	0	0	0	1,200	0	0	0	1,200	
Sub-total						2,000	0	0	0	0	2,000	0	2,000	0	0	0	0	0	2,000	0	0	0	0	2,000
TRC908079 TRCAADMINISTRATIVE INFRASTRUCTURE PF																								
0	1	Former Major Facilities Project now consolidated	CW	S5	03	460	0	0	0	0	460	0	460	0	0	0	0	0	0	0	460	0	460	
0	2	Former Public use now consolidated	CW	S5	03	198	0	0	0	0	198	0	198	0	0	0	0	0	0	0	198	0	198	
Sub-total						658	0	0	0	0	658	0	658	0	0	0	0	0	0	0	0	658	0	658
TRC908135 CRITICAL EROSION #2 WATER FUNDED ENH#																								
0	6	Layer 2: Extra Floodworks Major Maintenance (2016)	CW	S5	03	800	0	0	0	0	800	0	800	0	0	0	0	0	800	0	0	0	800	
0	7	Layer 2: Extra Erosion Major Maintenance (2016)	CW	S5	03	2,900	0	0	0	0	2,900	0	2,900	0	0	0	0	0	2,900	0	0	0	2,900	
0	8	Layer 2:Extra Waterfront Major Maintenance (2016)	CW	S5	03	1,300	0	0	0	0	1,300	0	1,300	0	0	0	0	0	1,300	0	0	0	1,300	
Sub-total						5,000	0	0	0	0	5,000	0	5,000	0	0	0	0	0	5,000	0	0	0	0	5,000
Total Program Expenditure						14,171	0	0	0	0	14,171	0	14,171	0	0	0	0	0	0	11,171	0	3,000	0	14,171

Report Phase 2 - Program 02 Toronto & Region Conservation Authority 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 User Fields ALL

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Cash Flow and Future Year Commitments**Toronto & Region Conservation Authority**

						Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																		
Financed By:																							
	Other1 (Internal)					11,171	0	0	0	0	11,171	0	11,171	0	0	0	0	0	11,171	0	0	0	11,171
	Debt					3,000	0	0	0	0	3,000	0	3,000	0	0	0	0	0	0	0	3,000	0	3,000
Total Program Financing						14,171	0	0	0	0	14,171	0	14,171	0	0	0	0	0	11,171	0	3,000	0	14,171

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

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

Appendix 5

2016 Capital Budget with Financing Detail

(Phase 2) 02-Toronto & Region Conservation Authority

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

Type: B Sub-Project Status: S2

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



CITY OF TORONTO

Appendix 5: 2016 Capital Budget with Financing Details
Toronto & Region Conservation Authority
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2016	Financing									
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0	<u>TRC908135 CRITICAL EROSION #2 WATER FUNDED ENHANCEMENTS</u>													
0	6 Layer 2: Extra Floodworks Major Maintenance (2016)	01/02/2016	12/31/2016	800	0	0	0	0	0	0	800	0	0	0
0	7 Layer 2: Extra Erosion Major Maintenance (2016)	01/02/2016	12/31/2016	2,900	0	0	0	0	0	0	2,900	0	0	0
0	8 Layer 2:Extra Waterfront Major Maintenance (2016)	07/03/2015	07/03/2015	1,300	0	0	0	0	0	0	1,300	0	0	0
	Project Sub-total:			5,000	0	0	0	0	0	0	5,000	0	0	0
1	<u>TRC000017 WATERFRONT & VALLEY EROSION CONTROL</u>													
0	71 Shoreline Monitoring & Maintenance 2009 and on	08/26/2008	08/26/2024	400	0	0	0	0	0	0	200	0	200	0
0	76 2011+ Erosion Control Works Major Maintenance	09/09/2010	09/09/2024	1,150	0	0	0	0	0	0	575	0	575	0
	Project Sub-total:			1,550	0	0	0	0	0	0	775	0	775	0
2	<u>TRC16 WATERFRONT DEVELOPMENT</u>													
0	48 Waterfront Development ongoing Major Maintenance	09/09/2011	09/09/2024	188	0	0	0	0	0	0	0	0	188	0
1	38 Wtrfrnt Dev:Keating Channel Dredging	01/01/1995	01/01/2024	320	0	0	0	0	0	0	320	0	0	0
2	40 Wtrfrnt Dev :Information Management	01/01/1995	12/31/2024	50	0	0	0	0	0	0	0	0	50	0
3	37 Wtrfrnt Dev:Environmental Monitoring & Maintenance	01/01/1995	12/31/2025	245	0	0	0	0	0	0	0	0	245	0
4	39 Wtrfrnt Dev:Tommy Thompson Park Interim Management	01/01/1995	12/31/2024	240	0	0	0	0	0	0	0	0	240	0
4	47 Toronto Waterfront Planning (Scarborough Shoreline	08/16/2010	08/16/2024	80	0	0	0	0	0	0	0	0	80	0
5	41 Wtrfrnt Dev :Ashbridges Bay	01/01/1998	12/31/2024	300	0	0	0	0	0	0	150	0	150	0
12	43 Tommy Thompson- Cell 2 Capping Phase 1	01/05/2002	10/05/2024	50	0	0	0	0	0	0	50	0	0	0
	Project Sub-total:			1,473	0	0	0	0	0	0	520	0	953	0
2	<u>TRC908079 TRCA ADMINISTRATIVE INFRASTRUCTURE PROJECT</u>													
0	1 Former Major Facilities Project now consolidated	06/10/2014	06/10/2024	460	0	0	0	0	0	0	0	0	460	0
0	2 Former Public use now consolidated	06/10/2014	06/10/2023	198	0	0	0	0	0	0	0	0	198	0
	Project Sub-total:			658	0	0	0	0	0	0	0	0	658	0
3	<u>TRC000315 LIVING CITY ACTION PLAN (Formerly T.O.RAP)</u>													
1	25 Regeneration Sites 2008+	01/01/2012	12/31/2024	430	0	0	0	0	0	0	430	0	0	0
7	23 Watershed Monitoring/Terrestrial Natural 2008+	01/01/2005	12/31/2024	512	0	0	0	0	0	0	512	0	0	0
11	21 Sustainable Communities 2008+	08/15/2006	08/15/2024	909	0	0	0	0	0	0	909	0	0	0
12	24 Regional Watershed Management 2008+	08/09/2002	08/09/2025	925	0	0	0	0	0	0	925	0	0	0
	Project Sub-total:			2,776	0	0	0	0	0	0	2,776	0	0	0
4	<u>TRC000195 BLACK CREEK PIONEER VILLAGE RETROFIT</u>													
1	6 Retrofit Activities for 2009+	01/01/2000	12/31/2020	300	0	0	0	0	0	0	0	0	300	0
3	7 Visitor Centre Active 2009+	10/02/2001	10/02/2024	50	0	0	0	0	0	0	0	0	50	0
	Project Sub-total:			350	0	0	0	0	0	0	0	0	350	0

(Phase 2) 02-Toronto & Region Conservation Authority

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

Type: B Sub-Project Status: S2

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



CITY OF TORONTO
Appendix 5: 2016 Capital Budget with Financing Details
Toronto & Region Conservation Authority
Sub-Project Summary

Project/Financing				2016	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
7	TRC906093	TRCA INFORMATION TECHNOLOGY													
1	4	Info Technology:Replacement items 2008+	10/05/2002	10/05/2024	264	0	0	0	0	0	0	0	0	264	0
		Project Sub-total:			264	0	0	0	0	0	0	0	0	264	0
8	TRC000003	GREENSPACE LAND ACQUISITION (Toronto Share)													
1	5	Greenspace Land Acquisition (active 09+)	01/01/2001	01/01/2025	100	0	0	0	0	0	0	100	0	0	0
		Project Sub-total:			100	0	0	0	0	0	0	100	0	0	0
13	TRC907697	CRITICAL EROSION CONTROL & FLOODWORKS NEEDS													
0	28	Layer1:EC 441-449 GILDWOOD PARKWAY	05/17/2013	05/17/2015	600	0	0	0	0	0	0	600	0	0	0
0	29	Layer1:Valley EC Hazards / July 8/13 Storm	05/17/2014	05/17/2024	1,200	0	0	0	0	0	0	1,200	0	0	0
3	4	Layer1:Flood Control:Hoggs,G.Ross,Black Cr Channel	08/17/2010	08/17/2024	200	0	0	0	0	0	0	200	0	0	0
		Project Sub-total:			2,000	0	0	0	0	0	0	2,000	0	0	0
Program Total:					14,171	0	0	0	0	0	0	11,171	0	3,000	0

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

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