

budget

—2019—



TTC Conventional & Wheel-Trans

What We Do

We provide a reliable, efficient and integrated bus, streetcar and subway network that draws its high standards of customer care from our rich traditions of safety, service and courtesy. The TTC provides Conventional Transit service for an estimated 526.3 million rides with service that spans 254 million kilometres and 9.5 million hours in 2019. Wheel-Trans service provides door-to-door accessible transit service of approximately 4.3 million rides for passengers with any disability that prevents them from using conventional transit services, including physical, sensory, cognitive and/or mental health disabilities.

Why We Do It

The Toronto Transit Commission provides friendly, safe and effective transit services to those who live in, work in, and visit our City in order to achieve our strategic objectives focused on safety, customers, employees, assets, growth, financial sustainability and reputation.

Our Experience & Success

Customer Service Focused:

- Two-hour Transfer
- Free Child Rides
- PRESTO implementation
- Station Management Model
- **Service Enhancements:**
- Capacity Improvement Initiatives
- Toronto York Spadina Subway Extension
- 10 minute network
- All-Day Everyday Bus Service Restored
- Expanded Express Bus Network
- Expanded Blue Night Network
- Early Sunday Opening (8AM from 9AM)
- Subway Resiliency

Key Challenges

- **Operating:**
- Putting Out the Service we Advertise
- Responding to Customer Demand
- **Capital:**
- Preserving system reliability & improving system capacity

Priority Actions

- **Operating:**
- Additional operators and operator support staff to build service resiliency and ensure timely recruiting and training of operators.
- Continuation of 2018 Capacity Improvements.
- 50,000 new service hours in 2019 to address route reliability and emerging transit demands.
- **Capital:**
- Introduce 15 year Capital Investment Plan.
- Partnership with the City to pursue tri-party partnership between Federal and Provincial governments and the City of Toronto for a dedicated long-term stable and predictable funding plan.

Budget At A Glance

STAFF RECOMMENDED OPERATING BUDGET

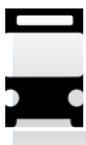
\$Million	2019	2020	2021
Gross Expenditures	\$2,059	\$2,184	\$2,272
Revenues	\$1,296	\$1,312	\$1,323
Net Expenditures	\$763	\$872	\$949
Approved Positions	15,951	16,178	16,217

STAFF RECOMMENDED 10-YEAR CAPITAL PLAN

\$Million	2019	2020-2028	Total
Gross Expenditures	\$1,266	\$4,963	\$6,229
Debt	\$309	\$1,428	\$1,737

Note: Excluding 2018 carry forward funding to 2019 and expansion projects.

Our Key Service Levels



90% of population and employment within **5** minute walk of **7** day/week transit service to **1AM**.



95% of population and employment within **15** minute walk of overnight transit service.



Accomodate **99.5%** of Wheel-Trans trips.



Maximum **6** minute wait on rapid transit routes.



Maximum **10** minute wait on busiest bus & streetcar routes



Maximum **30** minute wait on all other routes.

Source of Image: www.icons8.com

Key Service Deliverables

The TTC provides transit service 24-hours a day, seven days a week. The span of service (operating hours) and service levels (frequency of service) determine the availability of transit service for customers.

The TTC's frequent network, known as the Ten Minute Network, is a network of rapid transit, streetcar and bus services that operate every ten minutes or better

TTC is focused on continuously improving service reliability to maintain a consistent and reliable service.

Who We Serve

Conventional Transit

- Riders
- Businesses
- Employers
- Event Attendees
- Neighbouring Municipalities

Beneficiaries

- All Residents & Businesses

Wheel Trans

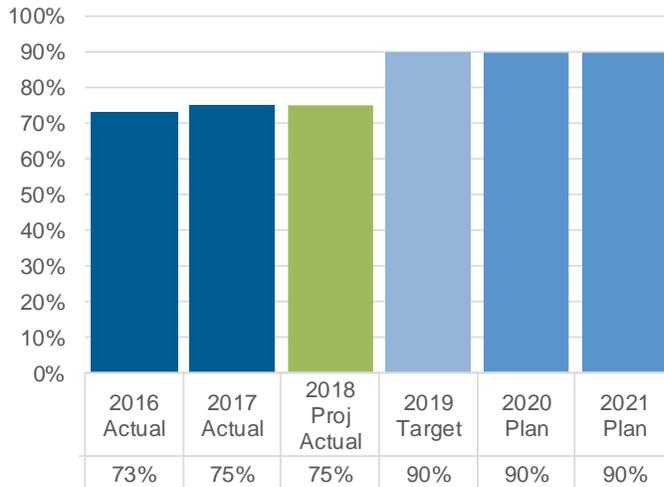
- Riders
- Businesses
- Employers
- Event Attendees

Beneficiaries

- All Residents & Businesses

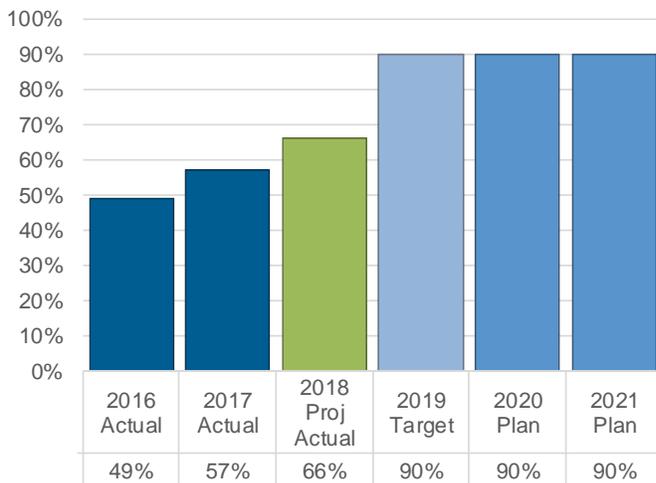
How Well We Are Doing

Bus: On-Time Performance



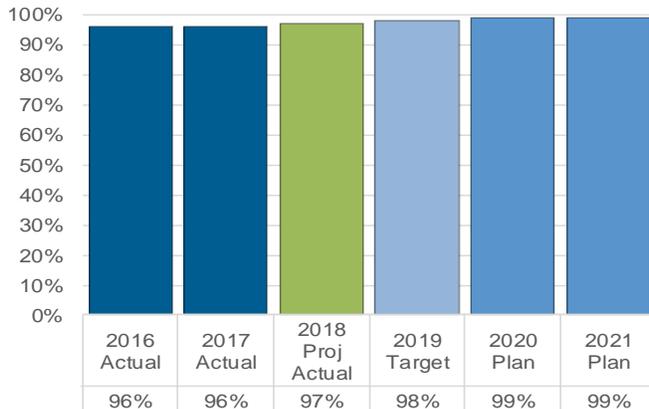
- Construction and Congestion impacting Bus on-time performance
- Action Plans include schedule adjustments and operator interviews

Streetcar On-Time Performance



- Construction and Congestion impacting Streetcar on-time performance
- Action Plans include schedule adjustments and operator interviews

Subway: On-Time Performance



Recent initiatives to improve subway on-time performance especially in peaks include:

- 4 Run as Directed Trains in AM Peak on Line 1
- Opening of North Hostler at Wilson Yard

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8. 2019 Cash Flow & Future Year Commitments
9. 2019 Capital Budget with Financing Detail
10. Reserve and Reserve Fund Review

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RECOMMENDATIONS

RECOMMENDATIONS

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

1. City Council approve the 2019 Staff Recommended Operating Budget for Toronto Transit Commission (TTC) of \$2.060 billion gross, \$762.866 million net for the following services:

Service:	Gross (\$000s)	Net (\$000s)
TTC – Conventional	1,910,540.4	621,957.8
TTC – Wheel-Trans	149,018.9	140,908.2
Total Program Budget	2,059,559.3	762,866.0

2. City Council approve the 2019 staff complement of 15,314 positions, comprising 2,373 capital project delivery positions and 12,941 operating service delivery positions.

3. City Council approve the 2019 staff complement for TTC Wheel-Trans service 637 operating service delivery positions.

4. City Council approve a new TTC Variable Lane Occupancy fee to recover the incremental costs of required additional service hours to maintain standards resulting from the temporary occupation of the roadway and that Transportation Services collect this fee on behalf of the TTC at the time of collection for the Temporary Street Occupation Permit Fee.

5. City Council approve the 2019 Staff Recommended Capital Budget for Toronto Transit Commission with a total project cost of \$1.329 billion, and 2019 cash flow of \$1.490 billion and future year commitments of \$3.163 billion comprised of the following:

a. New Cash Flow Funds for:

1. 25 new / change in scope sub-projects with a 2019 total project cost of \$1.329 billion that requires cash flow of \$106.127 million in 2019 and future year cash flow commitments of \$276.476 million for 2020; and \$179.465 million for 2021; \$92.621 million for 2022; \$100.980 million for 2023; \$83.952 million for 2024, \$102.800 million for 2025; \$131.695 million for 2026; \$111.623 million for 2027; \$142.757 million for 2028.

2. 39 previously approved sub-projects with a 2019 cash flow of \$1.383 billion; and future year cash flow commitments of \$874.598 million for 2020; \$457.975 million for 2021; \$240.265 for 2022; \$138.165 million for 2023; \$127.323 million for 2024; \$45.077 million for 2025; \$34.396 million for 2026; \$22.282 million for 2027; \$0.159 million for 2028.

b. 2018 approved cash flow for 27 previously approved sub-projects with carry forward funding from 2018 into 2019 totalling \$224.397 million.

6. City Council approve the 2020 - 2028 Staff Recommended Capital Plan for Toronto Transit Commission \$1.800 billion in project estimates, comprised of \$47.828 million for 2020; \$167.664 million for 2021; \$266.271 million for 2022; \$172.347 million for 2023; \$204.795 million for 2024; \$211.694 million for 2025; \$230.929 million for 2026; \$261.702 million for 2027, and \$237.169 million for 2028.

7. City Council consider the operating costs of \$15.130 million net in 2019; (\$7.972) million net in 2020; (\$0.533) million net in 2021; \$1.865 million net in 2022; \$0.568 million net in 2023; \$0.585 million net in 2024; \$0.291 million net in 2025; \$0.300 million net in 2026; and (\$0.366) million net in 2027 resulting from the approval of the 2019 Capital Budget for inclusion in the 2019 and future year operating budgets.

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. City Council approve the 2019 Capital Budget for the Toronto-York Spadina Subway Extension with no new project cost, and 2019 cash flow of \$60.000 million comprised of:

2019 approved cash flow for 1 previously approved sub-project with carry forward funding from 2018 into 2019 totalling \$60.000 million.

10. City Council approve the 2019 Capital Budget for the Scarborough Subway Extension with no new project cost, and 2019 cash flow of \$117.076 million and future year commitments of \$218.916 million comprised of the following:

a. New Cash Flow Funding for 1 previously approved sub-projects with a 2019 cash flow of \$84.848 million; and future year cash flow commitments of \$209.116 million for 2020; \$7.116 million for 2021 and \$2.684 for 2022.

b. Approved cash flow for 1 previously approved sub-project with carry forward funding from 2018 into 2019 totalling \$32.228 million.

11. City Council approve the 2020 - 2028 Staff Recommended Capital Plan for Scarborough Subway Extension \$3.020 billion in project estimates, comprised of \$34.782 million for 2020; \$380.680 million for 2021; \$548.293 million for 2022; \$487.460 million for 2023; \$608.132 million for 2024; \$459.277 million for 2025; \$227.527 million for 2026; \$225.870 million for 2027, and \$51.720 million for 2028.

12. City Council approve the 2019 Capital Budget for Waterfront Transit Studies with no new project cost, and 2019 cash flow of \$0.300 million, comprised of the following:

a. New Cash Flow Funding for 1 previously approved sub-projects with future year cash flow commitments of \$2.571 million for 2020.

b. Approved cash flow for 1 previously approved sub-project with carry forward funding from 2018 into 2019 totalling \$0.300 million.

13. City Council approve the 2019 Capital Budget for the Relief Line Studies with a total project cost of \$325.000 million, and 2019 cash flow of \$134.900 million, and future year commitments of \$250.050 million comprised of the following:

a. New Cash Flow Funding for:

1. 1 new / change in scope sub-projects with a 2019 total project cost of \$325.000 million that requires cash flow of \$75.000 million in 2019 and future year cash flow commitments of \$250.050 million for 2020.

2. 1 previously approved sub-projects with a 2019 cash flow of \$59.900 million;

14. City Council direct TTC staff to continue to work with City staff on establishing its Service-Based budgets for TTC (Conventional and Wheel-Trans), and associated service levels and performance measures during 2019 for the 2020 Budget process.

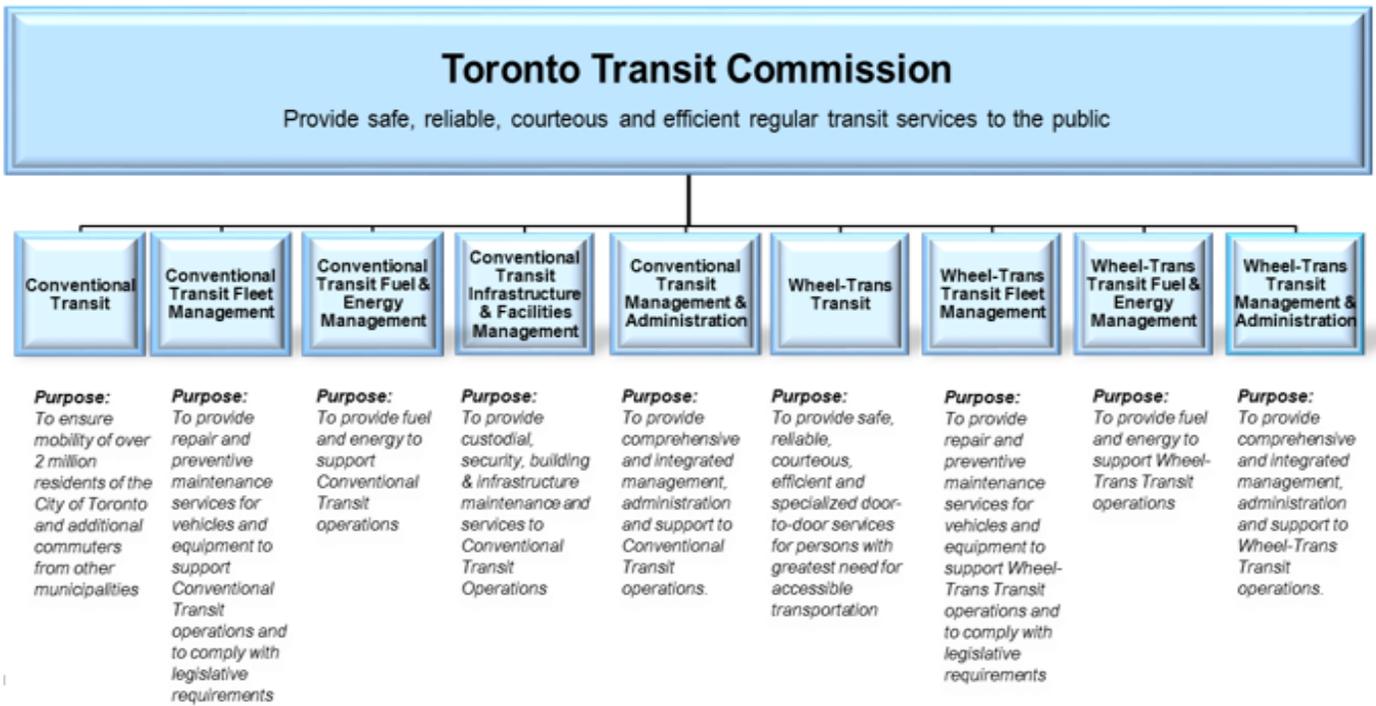
15. City Council request that TTC staff work with the Executive Director, Financial Planning to undertake an assessment of the TTC's 15 year Capital Investment Plan to determine the incremental needs, timing, prioritization, dependencies and stage gating of projects for consideration and integration into the City's 2020 Capital planning and budget process and long term fiscal plan.

16. City Council request that the TTC identify all costs, savings and benefits to be realized from modernization and transformation initiatives planned and underway during 2019, to be included in the TTC's 2020 Budget submission.
17. City Council request the City Manager continue to pursue permanent and sustainable intergovernmental funding for TTC operations including base capital needs.



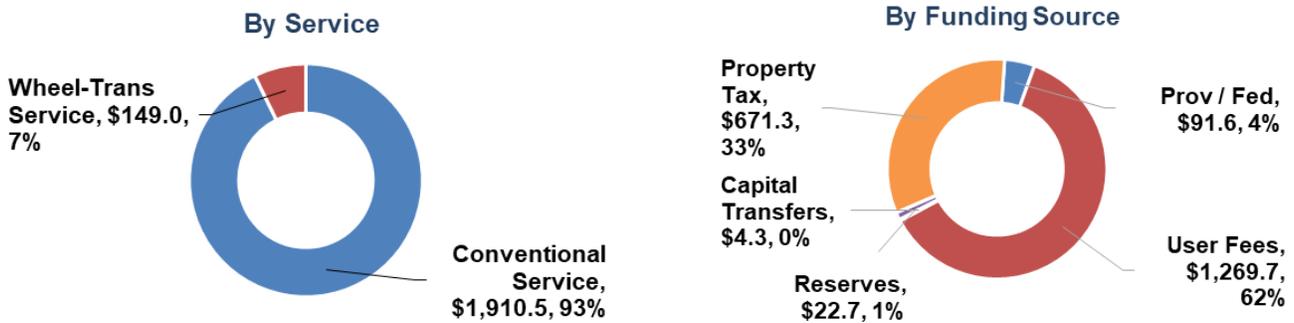
2019 STAFF RECOMMENDED OPERATING BUDGET

PROGRAM MAP



2019 OPERATING BUDGET HIGHLIGHTS

2019 Staff Recommended Operating Budget \$2,060M



- **3.0% or \$22M** Budget increase over the 2018 Approved Net Operating Budget to maintain existing service levels and meet additional service demands.
- **\$30.6M** to fund TTC's recently ratified Collective Bargaining Agreements as a result of the Collective Bargaining Agreement.
- **\$22.9M** to fully implement 2 hour time based transfers and capacity improvement implementation.
- **\$18.5M** for PRESTO Transition costs
- **\$13.0M** for diesel fuel price increases
- **2020/2021** Increases primarily for known inflationary adjustments for salaries, benefits and contracts, as well as operating the new McNicoll Bus garage and to be opened in 2020 and Eglinton Crosstown.

2019 OPERATING BUDGET OVERVIEW

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

(In \$000s)	2018		2019		Changes		Incremental Change	
	Budget	Projected Actual*	Base	Total Staff Recommended Budget			2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	%	\$	\$
Toronto Transit Commission - Conventional Service								
Gross Expenditures	1,851,121.4	1,812,600.0	1,910,540.4	1,910,540.4	59,419.0	3.2%	119,369.0	86,159.7
Revenue	1,254,479.6	1,231,000.0	1,288,582.6	1,288,582.6	34,103.0	2.7%	15,259.0	11,564.7
Net Expenditures	596,641.8	581,600.0	621,957.8	621,957.8	25,316.0	4.2%	104,110.0	74,595.0
Toronto Transit Commission - Wheel-Trans Service								
Gross Expenditures	152,855.2	141,845.0	149,018.9	149,018.9	(3,836.3)	(2.5%)	(149,018.9)	0.0
Revenue	8,631.1	7,653.0	8,110.7	8,110.7	(520.4)	(6.0%)	(8,110.7)	0.0
Net Expenditures	144,224.1	134,192.0	140,908.2	140,908.2	(3,315.9)	(2.3%)	(140,908.2)	0.0
Total								
Gross Expenditures	2,003,976.6	1,954,445.0	2,059,559.3	2,059,559.3	55,582.7	2.8%	(29,649.9)	86,159.7
Revenue	1,263,110.7	1,238,653.0	1,296,693.3	1,296,693.3	33,582.6	2.7%	7,148.3	11,564.7
Total Net Expenditures	740,865.9	715,792.0	762,866.0	762,866.0	22,000.1	3.0%	(36,798.2)	74,595.0
Approved Positions	15,805.0	15,239.0	15,951.0	15,951.0	146.0	0.9%	227.0	39.0

* Year-End Projection Based on Q3 2018 Variance Report

Base Changes

\$22.000M Net

- \$45.7M pressure from prior year decisions including warehouse consolidation/Leslie Barns, compliance with ESA 48 legislation, service improvements including 2 hour transfer and capacity improvements.
- \$30.6M in salary & benefit increases from collective bargaining agreement
- \$13M to fund diesel fuel price increases
- \$7.8M in bus augmentation costs required during the Eglinton Crosstown LRT project..
- \$24M in unspecified reductions.
- \$25.8 million in additional revenue arising from the 10 cent fare increase.

Future Year Plan

- Anticipated inflationary increases in salaries and benefits and fuel costs.
- Operating impact of McNicoll Bus garage once completed.

EQUITY IMPACTS

The TTC is strongly committed to making Toronto's transit system barrier-free and accessible to all. The TTC believes all customers should enjoy the freedom, independence and flexibility to travel anywhere on the public transit system. All expenditures required to meet the TTC's accessibility and equity requirements are provided for in these budgets, including a \$1.6 million increase in funding for elevator maintenance and continued implementation of Wheel-Trans Family of Services.

TTC understands that a 10 cent fare increase will be an affordability issue for some TTC customers. While this impact will not be fully mitigated, actions will be taken in 2019, in addition to past fare policy initiatives, to lessen this impact, including, no change in adult cash fare which will remain at \$3.25; free PRESTO cards have been distributed to Toronto Community Housing residents; full year implementation of the Two Hour Transfer; and children under 12 ride free.

The TTC also continues to work with the City on Fair Pass Discount Program implementation. .

2019 Staff Recommended Operating Budget Changes by Service

The 2019 Staff Recommended Operating Budget for TTC is \$762.866 million net or 3.0% higher than the 2018 Council Approved Operating Budget. Table 2 below summarizes the key cost drivers to maintain current service levels as well as recommended service changes.

Table 2: 2019 Staff Recommended Operating Budget Changes by Service

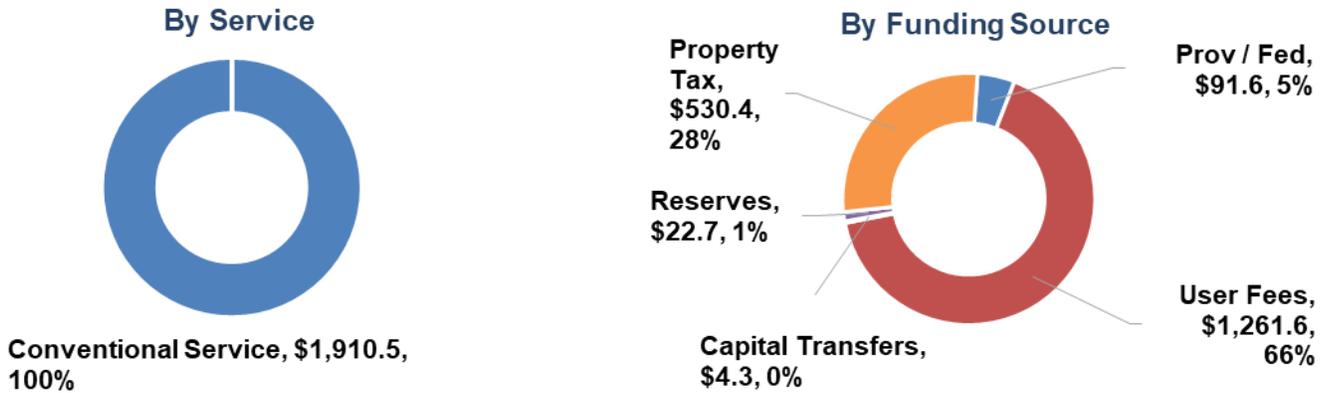
(In \$000s)	Services		Total	
	Toronto Transit Commission - Conventional Service	Toronto Transit Commission - Wheel-Trans Service	\$	Positions
	\$	\$	\$	
2018 Council Approved Operating Budget (Net)	596,641.8	144,224.1	740,865.9	15,805.0
Base Expenditure Changes				
Prior Year Impacts				
Capacity Improvements on Bus and Subway Services	8,500.0		8,500.0	
2 Hour Time Based Transfers	14,400.0		14,400.0	11.0
Warehouse Consolidation	3,643.9		3,643.9	
Reversal of 2018 TTC Stabilization Reserve Draw	14,000.0		14,000.0	
Prior Year Impacts - Leslie Barns Gapping	700.0		700.0	
Employment Standards Act - Workforce Increase	4,500.0	2,165.9	6,665.9	
Operating Impacts of Capital				
PRESTO Transition	18,500.0	100.3	18,600.3	23.0
McNicol Bus garage and labour and service requirements for IT and infrastructure projects.	8,634.1		8,634.1	44.0
Maintenance and operation savings related to the purchase of new buses	(7,309.0)		(7,309.0)	(8.0)
Economic Factors				
Contracted Services	10,133.9	187.3	10,321.2	
Inflationary cost of energy (Hydro, Natural Gas, etc) and materials	22,321.0	1,642.4	23,963.4	
Salaries and Benefits				
Salary and Step Adjustments	1,220.0		1,220.0	
Benefits Adjustments	(674.9)		(674.9)	
COLA arising from new Collective Bargaining Agreement	29,200.0		29,200.0	
Inflationary employee benefit cost and the CPP enhancement.	10,800.0	945.5	11,745.5	
Other Base Expenditure Changes				
Wheel-Trans Family of Services		1,109.0	1,109.0	(1.0)
Reduction in cost per trip		(2,079.4)	(2,079.4)	
Reduction in Wheel-Trans operating cost		(7,175.7)	(7,175.7)	
Increase in fare enforcement staffing				70.0
Safety compliance identified gaps that need to be addressed	3,500.0		3,500.0	
Additional service hours to adhere to the TTC's service standards	5,000.0		5,000.0	66.0
Other Base Changes	1,632.2		1,632.2	3.0
Capital Workforce	(0.1)		(0.1)	(142.0)
Bus replacement on streetcar routes resulting from declining reliability of legacy streetcars.	3,300.0		3,300.0	17.0
Operator Related Legislative Training Requirements	4,100.0		4,100.0	31.0
Electrical/Elevator Contract Support	1,600.0		1,600.0	
Train wheels replacement cost (Previously in the Capital Budget)	1,500.0		1,500.0	8.0
Operating Lease Provision & Office Management	1,500.0		1,500.0	
Technical work (Generator Testing/Video Service/Plumbing)	1,175.0		1,175.0	4.0
Metrolinx Non-Payment of Eglinton Augmentation cost.	7,800.0		7,800.0	
Emergency Leave Reduction	(4,100.0)		(4,100.0)	
Sub-Total Base Expenditure Changes	165,576.1	(3,104.7)	162,471.4	126.0
Base Revenue Changes				
Inflation Base User Fee increase (0.5%)	(6,000.0)		(6,000.0)	
Other Ancillary Revenue (Retail Revenue)	(7,118.9)		(7,118.9)	
Sub-Total Base Revenue Changes	(13,118.9)		(13,118.9)	
Service Changes				
Reduction in expenses based on experience	(41,000.0)		(41,000.0)	
City Auditor General Procurement Recommendations	(2,000.0)		(2,000.0)	
Base Expenditure Reductions	(18,900.0)		(18,900.0)	2.0
Undetermined Corporate Reductions	(24,000.0)		(24,000.0)	
Base Revenue Changes				
TTC Stabilization Reserve	(15,391.0)		(15,391.0)	
10 Cent Fare Increase	(25,600.0)	(211.2)	(25,811.2)	
Sub-Total Service Changes¹	(126,891.0)	(211.2)	(127,102.2)	2.0
Total Base Changes	25,566.2	(3,315.9)	22,250.3	128.0
New & Enhanced Services				
Lane Occupancy Fee	(250.0)		(250.0)	
Sub-Total New & Enhanced Services¹	(250.0)		(250.0)	
Total 2019 Staff Recommended Operating Budget (Net)	621,958.0	140,908.2	762,866.2	15,933.0

Note:

- For additional information, refer to [Appendix 4](#) (page 40) for a more detailed listing and descriptions of the 2019 Staff Recommended Service Changes.

TTC Conventional service provides a reliable, efficient and integrated bus, streetcar and subway network that draws its high standards of customer care from our rich traditions of safety, service and courtesy for an estimated 526.3 million rides with service that spans 254 million kilometres and 9.5 million hours in 2019.

2019 Staff Recommended Operating Budget \$1,910.5M



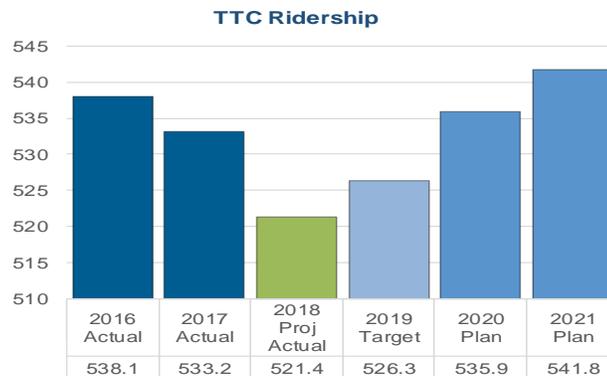
Refer to [Appendix 2](#) (page 40) for the 2019 Staff Recommended Operating Budget by Service.

Key Service Levels



City Council directed TTC staff to continue to work with City staff to establish service standards and service levels for both the TTC Conventional Service and Wheel-Trans Service.

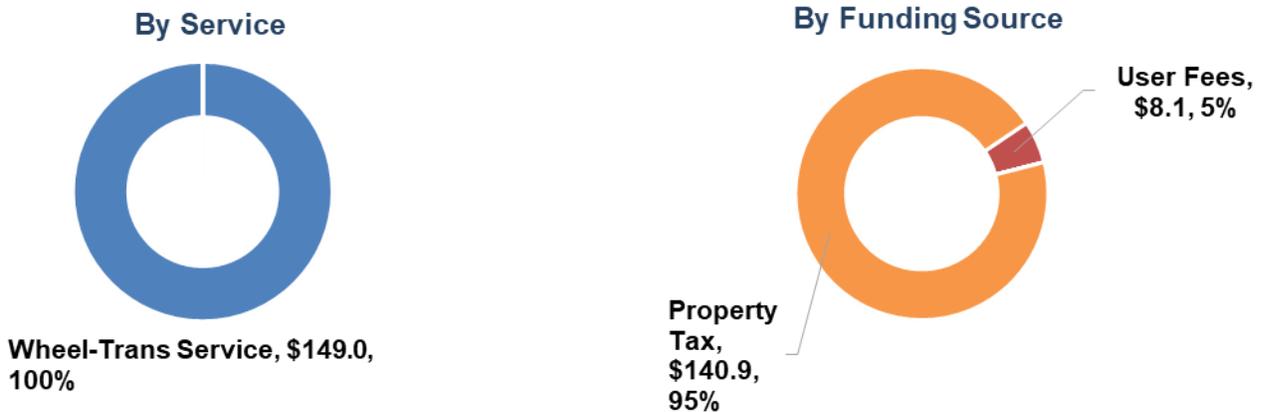
Service Performance Measures



- The count of rides taken per pass is being refined as riders convert to payment by PRESTO.
- In 2018, TTC experienced a decline in total measured ridership while total revenue remained relatively consistent. The 2019 Staff Recommended Operating Budget assumes a stabilization of measured ridership.

TTC Wheel-Trans service provides door-to-door accessible transit service of approximately 4.3 million rides for passengers with any disability that prevents them from using conventional transit services, including physical, sensory, cognitive and/or mental health disabilities.

2019 Staff Recommended Operating Budget \$149.0M



Refer to [Appendix 2](#) (page 40) for the 2019 Staff Recommended Operating Budget by Service.

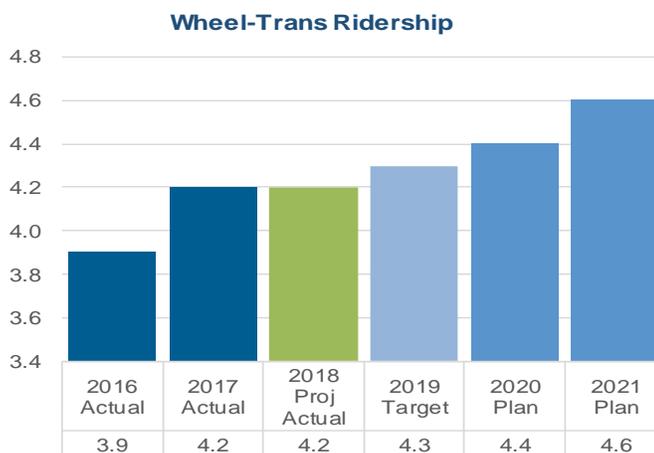
Key Service Levels



Accomodate **99.5%** of Wheel-Trans trips.

City Council directed TTC staff to continue to work with City staff to establish service standards and service levels for both the TTC Conventional Service and Wheel-Trans Service.

Service Performance Measures



- The 2019 Staff Recommended Operating Budget for the Wheel-Trans service incorporates a 2.8% growth rate between the 2018 projected ridership of 4.2 million and the 2019 budgeted ridership of 4.3 million. Ridership demand has stabilized in 2018 after years of significant growth as a result of increased customer awareness of the Family of Services program and increased accessibility across the conventional system.

2018 OPERATING PERFORMANCE

2018 Service Performance

Key Service Accomplishments:

- Two-hour time based transfer (Introduced in 2018 with a 2019 annual cost of \$20.5 million);
- Capacity Improvement Initiatives (Introduced in 2018 with a 2019 annual cost of \$13.5 million);
- Toronto-York Spadina Subway Extension;
- 10 Minute Network;
- All-Day Everyday Bus Service Restored;
- Expanded Express Bus Network;
- Expanded Blue Night Network;
- Early Sunday Opening ;
- Free Child Rides;
- Subway Resiliency; and
- PRESTO implementation.

Status Update on 2018 Council Approved New & Enhanced Services

During the 2018 Budget process, City Council approved \$4.0 million gross and \$9.1 million net for new and enhanced services in the 2018 Operating Budget for TTC. A status on their implementation and results to-date are highlighted below:

Overcrowding Relief

- Increased customer satisfaction with crowding levels signals that various capacity improvements made this year, including adding more trains to Line 1 in the a.m. peak period and expanding the network of Express buses, are having a real impact on customer perceptions of TTC service.
- This positive trend is expected to continue as further capacity improvement initiatives are implemented for bus and subway service. Decreasing customer satisfaction with levels of crowding for streetcar service will be monitored as various service improvements are made.

Two-Hour Time Based Transfer

- On November 28, 2017, the TTC Board recommended a new policy allowing for unlimited two-hour transfers for all riders using PRESTO that has annual cost of \$20.500 million. City council as per the 2018 Budget process, approved funds of \$6.1 million to enable the TTC to implement new policy beginning in 2018. This policy was implemented in August, 2018. The 2019 Staff Recommended Operating Budget includes \$14.4 million in annualization costs to fully fund this initiative.
- It is estimated that 4.9M rides (2.8% of total ridership) were associated with the implementation of two-hour transfer from September to December 2018. The data approximately 1.85M rides would have occurred anyway but were within the two hour window and no longer required a fare; approximately 2.0M rides were attributable to legacy Metropass riders switching to PRESTO e-purse to take advantage of the two-hour transfer; and approximately 1.05M new rides occurred to take advantage of the two-hour transfer.
 - The above has been derived from best available data over a limited time period with significant underlying dynamics as TTC riders continue their shift away from legacy payment towards PRESTO. As such, the estimates are believed to be accurate within a range of +/- 25%.
- The two-hour transfer has allowed customers who need to exit the system to use restroom or restaurant facilities, including seniors and customers with disabilities or health needs who may require more flexibility in

travel options. The two-hour policy enables customers to go to appointments and return home without paying an additional fare given they are within the two hour timeframe. The two-hour transfer policy addresses a variety of issues relating to TTC's diverse customers including affordability, accessibility, accommodation, and social equity.

2018 Financial Performance

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

Category (In \$000s)	2017 Actual	2018 Budget	2018 Projected Actual *	2019 Total Staff Recommended Budget	2019 Change from 2018 Approved Budget	
	\$	\$	\$	\$	\$	%
Salaries and Benefits		1,338,598.0	1,324,441.0	1,398,139.6	59,541.6	4.4%
Materials & Supplies		308,042.4	292,255.9	289,235.8	(18,806.6)	(6.1%)
Equipment		27,185.9	25,792.7	25,954.2	(1,231.7)	(4.5%)
Service and Rent	1,585.1	131,697.1	124,947.9	163,247.3	31,550.2	24.0%
Contribution To Capital						
Contribution To Reserves/Reserve Funds	33,369.0	37,100.0	37,100.0	25,200.0	(11,900.0)	(32.1%)
Other Expenditures	458,411.9	8,498.0	8,062.5	8,763.5	265.5	3.1%
Inter-Divisional Charges						
Total Gross Expenditures	493,366.0	1,851,121.4	1,812,600.0	1,910,540.4	59,419.0	3.2%
Inter-Divisional Recoveries						
Provincial Subsidies						
Federal Subsidies						
Other Subsidies						
User Fees & Donations		1,236,879.6	1,227,400.0	1,261,591.6	24,712.0	2.0%
Licences & Permits Revenue						
Transfers From Capital		3,600.0	3,600.0	4,300.0	700.0	19.4%
Contribution From Reserves/Reserve Funds	19,170.7	14,000.0		22,691.0	8,691.0	62.1%
Sundry and Other Revenues						
Total Revenues	19,170.7	1,254,479.6	1,231,000.0	1,288,582.6	34,103.0	2.7%
Total Net Expenditures	474,195.3	596,641.8	581,600.0	621,957.8	25,316.0	4.2%
Approved Positions	14,425.0	15,185.0	15,120.0	15,314.0	129.0	0.8%

* Year-End Projection Based on Q3 2018 Variance Report

TTC is projecting to be underspent by \$25.032 million at year-end (\$15 million TTC- Conventional and \$10 million Wheel-Trans), primarily due to reduced spending on tracking and employee benefits. New employees are ineligible for health and dental coverage for the first three months of employment and do not receive TTC pension contributions for the first six months.

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", adopted by City Council at its meeting on December 13, 2018.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.CC1.7>

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

- Hydro rates applicable to TTC have an element of unpredictability due to the TTC being subject to global adjustment charges and potential Class A account rebates. Rate variances experienced in 2018 were very favourable to TTC and this experience has been reflected in the 2019 Staff Recommended Operating Budget. As utility cost have been reduced by \$16 million, it should be noted that increases due to global adjustment of up to 2 cents per kWh on a month-to-month basis are not uncommon. Every 1 cent change in the average kWh price results in a budget impact of more than \$5 million per year.

- The 2019 Staff Recommended Operating Budget has accounted for the decreased benefit costs the TTC experienced in 2018, with a budget reduction of \$16.6 million in expenditures. A further \$2.5 million in savings has been identified as a potential source for TTC recommended unspecified reduction of \$24.0 million. There is risk that benefit costs may increase due to higher retirement levels in 2019.
- Should future spending rates increase as retirements stabilize, actual savings achieved could be considerably less than the budgeted amount for 2019. In addition, every 1% change in inflation for health and dental costs has a \$0.6 million impact on TTC's Operating Budget.

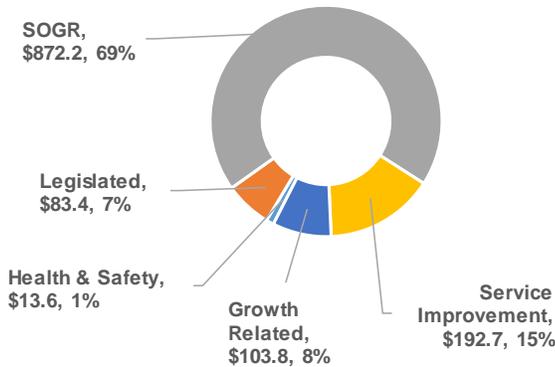


2019 – 2028 STAFF RECOMMENDED CAPITAL BUDGET AND PLAN

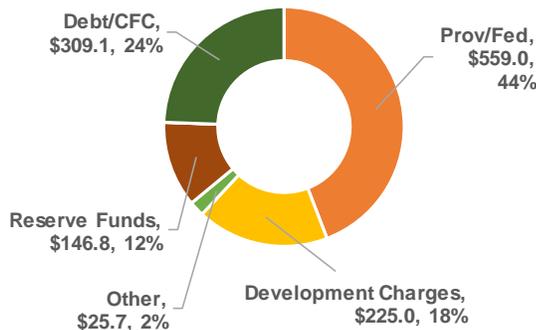
10 YEAR CAPITAL PLAN HIGHLIGHTS

2019 Staff Recommended Capital Budget \$1,265.612M

By Project Category

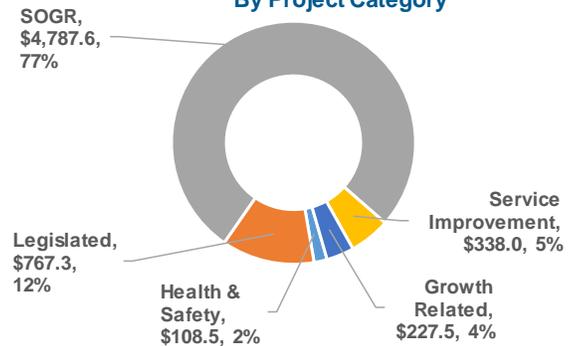


By Funding Source

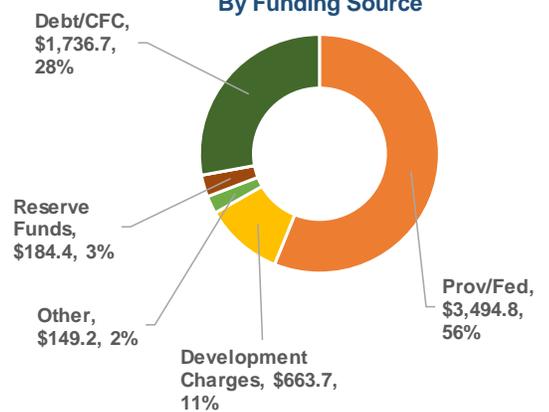


2019-2028 Staff Recommended Capital Budget and Plan \$6,228.836M

By Project Category



By Funding Source



1 YEAR

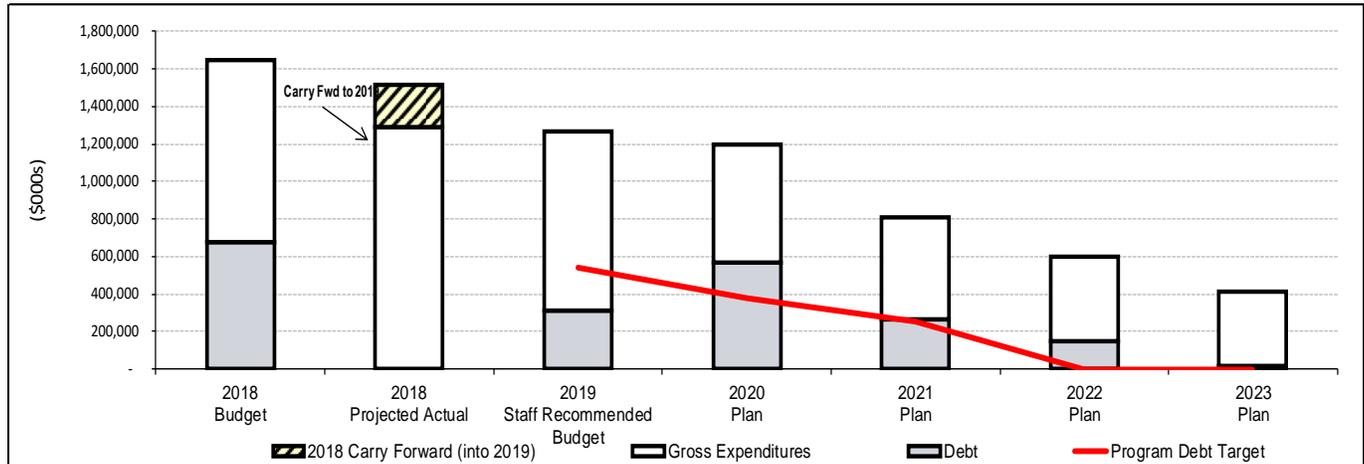
- **\$321.8M** for the purchase of 250 buses, of which 50 are electric, partially funded by the Public Transit Infrastructure Fund (PTIF) of \$118.7M (36.9%).
- **\$296.9M** for the purchase of 78 streetcars to complete the plan to purchase a total of 204.
- **\$135.4M** for the *Other Buildings & Structures* project. The expansion of transit requires new locations to store and maintain TTC vehicles. The TTC will open the McNicoll Bus Garage in 2020 and is planning for a new subway maintenance and storage facility on Line 2.
- **\$62.3M** To support *Automatic Train Control on Line 1*.
- **\$37M** in technology investments including SAP and VISION to provide better information for scheduling and planning, and improved real-time information for operators and customers.

10 YEARS

- **\$4.787B** for SOGR projects comprising 76.9% of the 10-Year Capital Budget and Plan. This includes \$4.176 billion to continue the SOGR projects for transit-related infrastructure and vehicle replacement, and Fire Ventilation Upgrade \$614.770 million to support Automatic Train Control (ATC) on Line 1 and Information Technology system infrastructure.
- **\$875.8M** for Health & Safety and Legislated projects primarily to support the Easier Access Program (\$586.309M) to ensure AODA compliance by 2025.
- **\$227.5M** for Growth Related projects including the continued construction of the McNicoll Bus Garage facility (\$115.181M)
- **\$338.0M** for Service Improvement projects mainly related to the purchase of buses to improve service (\$154.208M).

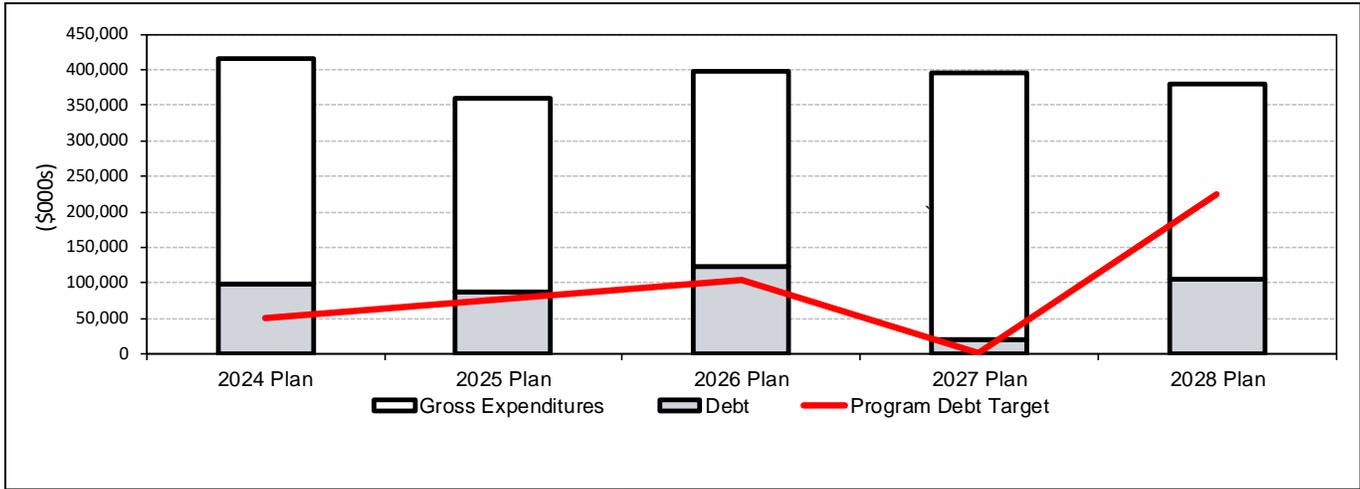
2019 2028 CAPITAL BUDGET & PLAN OVERVIEW

Chart 1: 10-Year Capital Plan Overview



		2019 Staff Recommended Capital Budget and 2020 - 2023 Capital Plan							5-Year Total Percent
		2018	2019	2020	2021	2022	2023	2019 - 2023	
		Budget	Projected Actual						
Gross Expenditures by Project Category:									
Health & Safety	-		13,573	27,431	32,000	8,500	11,000	92,504	2.2%
Legislated	80,747	71,489	83,370	109,682	123,150	112,965	110,806	539,973	12.6%
SOGR	1,282,015	1,006,523	872,186	942,818	575,998	460,735	280,919	3,132,656	73.2%
Service Improvement	76,018	45,617	192,671	57,397	46,189	15,081	6,975	318,313	7.4%
Growth Related	207,640	165,270	103,812	61,844	27,767	1,822	1,792	197,037	4.6%
Total by Project Category	1,646,420	1,288,900	1,265,612	1,199,172	805,104	599,103	411,492	4,280,483	100.0%
Program Debt Target			544,803	376,211	252,137	-	-	1,173,151	
Financing:									
Debt	674,235		309,104	572,026	261,790	146,208	14,882	1,304,010	30.5%
Reserves/Reserve Funds	178,630		146,805	37,580	-	-	-	184,385	4.3%
Development Charges	132,796		224,975	180,337	139,382	46,735	26,678	618,107	14.4%
Provincial/Federal	534,793		558,990	383,883	380,889	396,263	359,439	2,079,464	48.6%
Debt Recoverable	-		-	-	-	-	-	-	-
Other Revenue	125,967		25,738	25,346	23,043	9,897	10,493	94,517	2.2%
Total Financing	1,646,420		1,265,612	1,199,172	805,104	599,103	411,492	4,280,483	100.0%
By Status:									
2018 Capital Budget & Approved Future Year (FY) Commitments	1,646,420	1,288,900	1,225,302	743,444	473,748	228,626	161,057	2,832,177	66.2%
Changes to Approved FY Commitments			(65,817)	131,154	(15,773)	11,639	(22,892)	38,311	0.9%
2019 New/Change in Scope & FY Commitments			106,127	276,746	179,465	92,621	100,980	755,939	17.7%
2020 - 2023 Capital Plan Estimates				47,828	167,664	266,217	172,347	654,056	15.3%
2-Year Carry Forward for Reapproval									
1-Year Carry Forward to 2019		224,397							
Total Gross Annual Expenditures & Plan	1,646,420		1,265,612	1,199,172	805,104	599,103	411,492	4,280,483	100.0%
Asset Value (\$) at year-end									
Yearly SOGR Backlog Estimate (not addressed by current plan)			59,000	82,000	82,000	74,000	65,000	362,000	
Accumulated Backlog Estimate (end of year)		26,155	85,155	167,155	249,155	323,155	388,155	388,155	
Backlog: Percentage of Asset Value (%)									
Debt Service Costs			12,411	46,777	54,125	25,172	12,569	151,054	
Operating Impact on Program Costs			15,130	(7,972)	(533)	1,865	568	9,057	
New Positions			39	(133)	37	11	3	(42)	

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



	2024 - 2028 Staff Recommended Capital Plan							10-Year Total Percent
	2024	2025	2026	2027	2028	2019 - 2028		
Gross Expenditures by Project Category:								
Health & Safety	11,000	5,000	-	-	-	108,504	1.7%	
Legislated	98,816	76,815	40,215	6,884	4,595	767,298	12.3%	
SOGR	270,683	274,471	352,957	384,693	372,095	4,787,555	76.9%	
Service Improvement	9,782	2,364	2,422	2,560	2,560	338,001	5.4%	
Growth Related	25,789	921	1,426	1,470	835	227,478	3.7%	
Total by Project Category	416,070	359,571	397,020	395,607	380,085	6,228,836	100.0%	
Program Debt Target	49,417	77,315	103,823	-	225,000	1,628,706		
Financing:								
Debt	97,717	87,540	121,733	20,220	105,486	1,736,706	27.9%	
Reserves/Reserve Funds	-	-	-	-	-	184,385	3.0%	
Development Charges	23,654	7,149	5,168	5,242	4,380	663,700	10.7%	
Provincial/Federal	287,643	256,931	256,930	356,923	256,930	3,494,821	56.1%	
Debt Recoverable	-	-	-	-	-	-	-	
Other Revenue	7,056	7,951	13,189	13,222	13,289	149,224	2.4%	
Total Financing	416,070	359,571	397,020	395,607	380,085	6,228,836	100.0%	
By Status:								
2018 Capital Budget & Approved Future Year (FY) Commitments	129,681	121,027	96,949	81,217	-	3,261,051	52.4%	
Changes to Approved FY Commitments	(2,358)	(75,950)	(62,553)	(58,935)	159	(161,326)	-2.6%	
2019 New/Change in Scope & FY Commitments	83,952	102,800	131,695	111,623	142,757	1,328,766	21.3%	
2024 - 2028 Capital Plan Estimates	204,795	211,694	230,929	261,702	237,169	1,800,345	28.9%	
2-Year Carry Forward for Reapproval	-	-	-	-	-	-	-	
Total Gross Annual Expenditures & Plan	416,070	359,571	397,020	395,607	380,085	6,228,836	100.0%	
Asset Value(\$) at year-end	-	-	-	-	-	-		
Yearly SOGR Backlog Estimate (not addressed by current plan)	73,000	74,000	80,000	88,000	89,000	766,000		
Accumulated Backlog Estimate (end of year)	461,155	535,155	615,155	703,155	792,155	792,155		
Backlog: Percentage of Asset Value (%)								
Debt Service Costs	5,695	9,028	10,372	4,959	5,740	186,847		
Operating Impact on Program Costs	585	291	300	(366)	-	9,867		
New Positions	3	1	1	(1)	-	(38)		

Staff Recommended 10-Year Capital Plan by Project Category

Table 4: Summary of Capital Projects by Project Category

(In \$000s)	Total App'd Cash Flows to Date*	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													
Communications - Various		169	-	-	-	-	-	-	-	-	-	169	169
Environmental Programs		10,000	20,000	20,000	-	-	-	-	-	-	-	50,000	50,000
Finishes - Various		2,404	2,431	-	-	-	-	-	-	-	-	4,835	4,835
Other Bldgs & Structures Projects		1,000	5,000	12,000	8,500	11,000	11,000	5,000	-	-	-	53,500	53,500
Sub-Total		13,573	27,431	32,000	8,500	11,000	11,000	5,000				108,504	108,504
Legislated													
Communications - Various		-	1,650	380	370	-	-	-	-	400	500	3,300	3,300
Easier Access Phase II & III		54,732	70,592	82,405	96,492	93,479	83,246	69,731	35,632	-	-	586,309	586,309
Environmental Programs		7,829	8,017	10,469	4,210	3,805	3,600	3,690	3,780	3,870	3,936	53,206	53,206
Equipment - Various		-	841	1,117	1,029	339	250	250	250	368	-	4,444	4,444
Other Bldgs & Structures Projects		14,313	17,025	25,923	8,008	10,329	8,871	335	553	2,246	159	87,762	87,762
Other Service Planning		-	3,644	2,856	2,856	2,854	2,849	2,809	-	-	-	17,868	17,868
Subway Car Overhaul Program		5,372	2,128	-	-	-	-	-	-	-	-	7,500	7,500
Yards and Roads - Various		1,124	5,785	-	-	-	-	-	-	-	-	6,909	6,909
Sub-Total		83,370	109,682	123,150	112,965	110,806	98,816	76,815	40,215	6,884	4,595	767,298	767,298
State of Good Repair													
ATC Resignalling	383,867	62,250	65,200	72,572	20,000	-	-	-	-	-	-	220,022	603,889
Automotive Non-Revenue Vehicles		-	799	288	488	588	-	-	-	-	-	2,163	2,163
Bridges and Tunnels - Various		31,930	35,652	42,334	32,721	36,958	35,311	37,151	37,702	38,266	33,532	361,557	361,557
Bus Overhaul Program		40,118	45,090	31,583	11,211	11,183	41,425	42,010	42,608	43,219	43,840	352,287	352,287
Communications - Various		120	9,802	11,389	6,943	7,611	5,518	5,581	6,581	7,592	10,324	71,461	71,461
Equipment - Various		22,001	33,623	28,296	13,860	13,650	11,439	9,900	11,311	15,723	18,039	177,662	177,662
Fare Handling Equipment		175	350	350	350	350	400	400	400	400	1,300	4,475	4,475
Fare System	1,628	(0)	400	-	-	-	-	-	-	-	-	400	2,028
Finishes - Various		14,479	22,244	19,877	21,199	12,815	7,894	6,504	7,926	6,854	6,978	126,770	126,770
Fire Ventilation Upgrade		15,038	33,912	53,196	60,861	52,013	-	-	-	-	-	215,020	215,020
Furniture & Office Equipment		170	444	276	154	320	141	305	157	149	302	2,418	2,418
Information Technology System-Infrastructure		41,193	55,520	8,405	6,118	9,402	6,614	7,871	16,987	16,285	11,333	179,728	179,728
Leslie Barns Streetcar Maint. & Storage Facility		0	1,350	-	-	-	-	-	-	-	-	1,350	1,350
On-Grade Paving Rehabilitation		6,583	14,132	16,281	17,046	10,624	9,744	9,890	10,038	10,189	10,342	114,869	114,869
Other Bldgs & Structures Projects		54,761	270,112	28,441	9,854	2,456	1,355	4,634	2,478	1,771	3,598	379,460	379,460
Other Maintenance Equipment		3,123	1,721	1,128	801	774	724	733	742	758	776	11,280	11,280
Other Service Planning		100	2,458	(2,778)	(3,434)	517	-	-	-	-	-	(3,137)	(3,137)
Power Dist./Electric Systems - Various		7,000	9,084	7,367	8,201	6,012	5,714	5,728	6,220	6,571	6,292	68,189	68,189
Purchase of 360 Wheel-Trans Vehicles		7,629	2,003	-	-	-	12,142	12,507	4,839	28,846	4,840	70,806	70,806
Purchase of Rail Non-Revenue Vehicle		693	9,602	9,137	8,090	1,194	-	-	-	-	-	28,716	28,716
Purchase of Streetcars		296,898	35,265	-	-	-	-	-	-	-	-	332,163	332,163
Purchase of Subway Cars		-	7,449	3,800	-	-	-	-	-	-	-	11,249	11,249
Purchases of Buses		182,664	87,167	37,451	86,210	-	-	-	-	-	-	393,492	393,492
Queensway Bus Garage Renovations		-	-	131	-	-	-	-	-	-	-	131	131
Rail Non-Revenue Vehicle Overhaul		644	4,270	7,692	3,245	1,288	556	569	583	596	612	20,055	20,055
Signal Systems - Various		3,637	17,574	14,289	9,097	3,261	1,688	1,748	1,783	1,865	1,865	58,020	58,020
Streetcar Overhaul Program		3,674	3,014	4,956	9,203	9,258	9,416	9,578	13,067	9,895	10,109	82,170	82,170
Subway Car Overhaul Program		3,768	24,193	22,402	14,727	9,752	46,085	46,738	109,938	118,067	128,941	524,611	524,611
Subway Track		4,322	37,549	45,043	37,546	38,231	33,565	34,122	34,107	35,763	32,909	333,157	333,157
Surface Track		14,962	17,182	24,450	21,568	21,861	15,557	19,331	25,366	20,935	23,770	204,982	204,982
Tools and Shop Equipment		5,011	1,978	1,974	1,823	1,400	1,407	1,402	1,306	1,670	932	18,903	18,903
Toronto Rocket Yard & Storage Track Accommodation		31,693	75,497	69,273	46,645	12,450	5,665	-	-	-	-	241,223	241,223
Traction Power - Various		17,255	17,797	15,932	15,745	16,488	16,470	17,366	18,570	20,898	20,998	177,519	177,519
Transit Shelters & Loops		294	385	463	463	463	463	463	463	463	463	4,383	4,383
Sub-Total		385,495	872,186	942,818	575,998	460,735	280,919	270,683	274,471	352,957	384,693	372,095	4,787,555
Service Improvement													
Bicycle Parking at Stations	706	233	-	-	-	-	-	-	-	-	-	233	939
Communications - Various		75	-	-	-	-	-	-	-	-	-	75	75
Finishes - Various		906	1,813	-	-	-	-	-	-	-	-	2,719	2,719
Information Technology System-Infrastructure		11,632	13,054	11,089	2,247	449	165	-	-	-	-	38,636	38,636
Kipling Station Improvements	13,388	222	-	-	-	-	-	-	-	-	-	222	13,610
Other Bldgs & Structures Projects		18,986	11,433	9,448	4,494	4,572	7,653	400	400	400	400	58,186	58,186
Other Service Planning		3,762	12,373	10,193	8,010	1,760	1,760	1,760	1,760	1,760	1,760	44,898	44,898
Power Dist./Electric Systems - Various		21	220	220	230	194	204	204	262	400	400	2,355	2,355
Purchase of Rail Non-Revenue Vehicle		6,693	-	-	-	-	-	-	-	-	-	6,693	6,693
Purchases of Buses		139,121	-	15,087	-	-	-	-	-	-	-	154,208	154,208
Subway Track		-	1,623	152	100	-	-	-	-	-	-	1,875	1,875
Surface Track		11,020	16,881	-	-	-	-	-	-	-	-	27,901	27,901
Sub-Total		14,094	192,671	57,397	46,189	15,081	6,975	9,782	2,364	2,422	2,560	338,001	352,095
Growth Related													
Automotive Non-Revenue Vehicles		2,413	1,729	1,200	1,822	1,792	789	921	1,426	1,470	835	14,397	14,397
Fare System	42,044	15,538	2,000	-	-	-	-	-	-	-	-	17,538	59,582
McNicoll Bus Garage Facility	181,000	39,500	52,815	22,866	-	-	-	-	-	-	-	115,181	296,181
Other Bldgs & Structures Projects		46,361	4,700	3,100	-	-	25,000	-	-	-	-	79,161	79,161
Other Service Planning		-	600	601	-	-	-	-	-	-	-	1,201	1,201
Sub-Total		223,044	103,812	61,844	27,767	1,822	1,792	25,789	921	1,426	1,470	835	227,478
Total Expenditures by Category (excluding carry forward from 2018)													
		622,633	1,265,612	1,199,172	805,104	599,103	411,492	416,070	359,571	397,020	395,607	380,085	6,228,836

2019 - 2028 Key Capital Projects

The Staff Recommended 10-Year Capital Plan supports the TTC's seven strategic objectives: safety, customer, people, assets, growth, financial sustainability, and reputation. The delivery of these capital projects will help achieve these service objectives of the TTC.

Health and Safety

- Health and Safety projects account for \$108.504 million or 1.74% of the total 10-Year Capital Plan's recommended expenditures. TTC's Health and Safety projects are primarily funded by debt funds to replace and maintain various infrastructure including the following:
 - *Greenwood Shop End of Life Replacement* project at a cost of \$53.500 million replace heating, ventilation and air-conditioning equipment. Studies were completed in 2016 to assess the scope of work and provide budgetary estimates.
 - *Safety and Reliability Program* for a total of \$50.000 million improve the safety and reliability of the TTC's signal, track and traction power systems and to manage train traffic when crews are at track level.
 - *Platform Edge Tile Replacement* project of \$4.835 million replace and retrofit end-of-life subway platform edge tiles and to improve deteriorated tiles including vertical and horizontal platform gap remediation. Approximately 95 platforms have been identified with problematic gaps. After addressing these, the capital project will focus on maintaining the remaining subway platforms in a state of good repair.
 - *Surface AC and Lighting Upgrade & Video Management System project* at a cost of \$2.018 million to replace and upgrade existing deteriorated electrical feeds, lighting and equipment. This will take place within surface loops and associated facilities, streetcar platforms, streetcar yards, carhouses, TTC owned office buildings and streetcar support buildings.

Legislated

- Legislated projects account for \$767.298 million or 12.3% of the total 10-Year Staff Recommended Capital Plan's spending. These projects are primarily funded by federal and provincial gas tax funding (63.5%). The 10-Year Capital Plan includes the following projects:
 - *Easier Access Phase III* for a total of \$586.309 million, representing 76.4% of all legislated project funding.
 - TTC's *Easier Access Program* will make all subway stations accessible by 2025, as required by the Accessibility for Ontarians with Disabilities Act (AODA) that was enacted in 2005 which includes provision of elevators, wider fare-gates and automatic doors.
 - The capital program will also improve other aspects of the City's transit system including accessible low-floor streetcars, accessible buses, new Wheel-Trans buses, increased numbers of accessible bus and streetcar stops, exterior and interior audible and visual stop and route announcements, simpler wayfinding, and consistent use of braille on elevator buttons and at customer help points.
 - *Subway Asbestos Removal Program* project at a cost of \$39.486 million to fund the cleanup of asbestos, consulting services and further inspect asbestos in the subway system. Thermal and acoustic asbestos bearing material has been used in varying quantities throughout TTC's facilities. In the subway system, asbestos was used in insulation material on tunnel walls, stations ceiling and piping.
 - *Standby Generators Replacement* project (\$25.400 million). Safety codes have changed since the installation of many TTC generator systems, and upgrades to fueling and exhaust system installations are required to comply with Technical Standards and Safety Authority (TSSA) code and regulations.
 - *Backflow Preventers* project of \$23.454 million includes the installation of backflow prevention devices at water service connections to municipal street service. Two studies completed in 2013 and 2014 identified 2 shops; 6 garages; 1 carhouse; 3 buildings; 42 substations; 6 emergency service buildings; and 65 passenger stations that require backflow prevention devices.

- *Wheel-Trans 10-Year Transformation Program* project (\$37.223 million) to respond to legislative AODA requirements and recommendations provided by the Auditor General in a 2012 report presented to the Board of the TTC. The project will support the service delivery objectives of the Wheel-Trans Service and is guided by five core objectives: development of a new service model; community and stakeholder engagement; culture change for a committed Wheel-Trans workforce; financial sustainability, and strategic regional partnerships.

State of Good Repair (SOGR)

- SOGR projects account for \$4.788 billion or 76.9% of the total 10-Year Capital Plan's recommended expenditures. SOGR projects are driven by renewal and maintenance needs and are designed to extend the useful life of assets and ensure service reliability. TTC's SOGR program includes the following projects:
 - *Subway Car Overhaul Program* (\$524.611 million) to ensure the existing subway car fleet is maintained in a state of good repair. Comprehensive maintenance programs are scheduled at five-year intervals until they are retired after thirty years and included recommendations from the original equipment manufacturer.
 - *Purchase of Buses* (\$393.492 million) to purchase 250 buses including 50 electric vehicles. This project is partially funded the Public Transit Infrastructure Fund (PTIF), providing a total of \$118.7 million (30.2%) towards this project cost.
 - *Other Building & Structures* (\$379.460 million) to enable the TTC to improve and maintain subway station roofs and ceilings in a state of good repair.
 - *Bridges and Tunnels* (\$361.557 million) to ensure the maintenance and improvement to bridges and tunnels.
 - *Bus Overhaul Program* (\$352.287 million) to provide a mechanical and body overhaul of Commission buses to ensure they continue to provide safe, reliable service until they reach retirement.
 - *Subway Track* (\$333.157 million) to replace subway tracks to maintain the asset in a state of good repair.
 - *Purchase of Streetcars* (\$332.163 million), including \$296.898 million in 2019 for the purchase of 78 streetcars. This will enable TTC to complete their replacement plan to purchase a total of 204 fully accessible low-floor light rail vehicles (LRVs). The current LRV procurement process and associated cash flows has been adjusted to account for the delay in the delivery of vehicles by the manufacturer.
 - *Toronto Rocket Yard & Storage Track Accommodation* (\$241.223 million). The TTC will face a significant increase in its vehicle fleet size over the next few years to meet service requirements. The new vehicles, Toronto Rockets, are fixed six-car trains which will need to be stored, serviced and maintained in yards and TTC facilities.
 - Carhouses were built to accommodate the previous vehicle series which were two and four-car configurations. The introduction of the fixed six-car train sets has resulted in several challenges pertaining to vehicle storage within existing facilities.
 - *ATC Re-signalling project* (\$220.022 million) including \$212.050 million to improve the signalling system for the Line 1 Yonge-University-Spadina (YUS) line and \$7.972 million for preliminary work to improve Line 2 Bloor-Danforth (BD). This project will replace antiquated conventional signalling with Automatic Train Control that will increase capacity by allowing for closer train headways.
 - \$291.674 million is required to support the Bloor-Danforth Subway signalling system is currently unfunded.
 - *Fire Ventilation Upgrade project* (\$215.020 million) to upgrade ventilations and provide second exits.
 - FVU will upgrade the existing subway ventilation system to significantly improve ventilation capacity to reduce risk and improve safety of customers and employees in the event of a major subway system fire.

- The Second Exit component of the project will provide a second means of exiting from the station platform. The program was developed to enhance safety for customers and staff, providing an additional way out of subway stations in case of emergency, as many TTC stations currently only have one exit. Second exits also improve customer convenience. Initially 14 priority subway stations were identified, with eight still to be completed: Chester; College; Donlands; Dundas; Dundas West; Greenwood; Museum and Summerhill.
- *Surface Track* project (\$204.982 million) to maintain the surface tracks in a safe, reliable operating condition and to reduce risk of derailment or delay. The TTC maintains approximately 280,000 feet of tangent bi-directional streetcar track and over 80 special track layouts including street intersections, turning loops, entrances into maintenance facilities and streetcar storage yards. The Streetcar Track Plan uses a new construction method which is expected to provide 25 years of service, an increase of 10 years over prior track overhaul methods, and requires less daily maintenance.
- *Information Technology System – Infrastructure* project (\$179.728 million) for technology investments including work to re-engineer business processes, implement SAP, an Enterprise Resource Planning (ERP) system which will integrate the TTC's financial information with the City of Toronto, and to upgrade the CAD (Computer Aided Dispatch)/AVL (Automatic Vehicle Location) System to provide operational improvement for surface vehicles and enhanced customer service.

Service Improvement

- Service Improvement projects amount to \$338.001 million or 5.4% of the total 10-Year Staff Recommended Capital Plan's expenditures and includes the following:
 - *Purchase of Buses* (\$139.121 million) to deliver additional buses necessary to reduce passenger wait times and crowding, and to provide more reliable and expanded services.
 - *Other Buildings & Structures* at a cost of \$58.186 million to support the Station Transformation Program. This involves the implementation of and improvement to communication systems, customer safety and security alarms, CCTV technology, and service monitoring / management tools.
 - *Other Service Planning* for a total of \$44.898 million to address Transit Priority Measures that focus on presenting more predictable and consistent travel times for riders. The project will implement transit signal priority technology and construct queue-jump lanes, which will enable buses approaching an intersection to move directly into an alternative lane to pass stationary traffic.

Growth Related

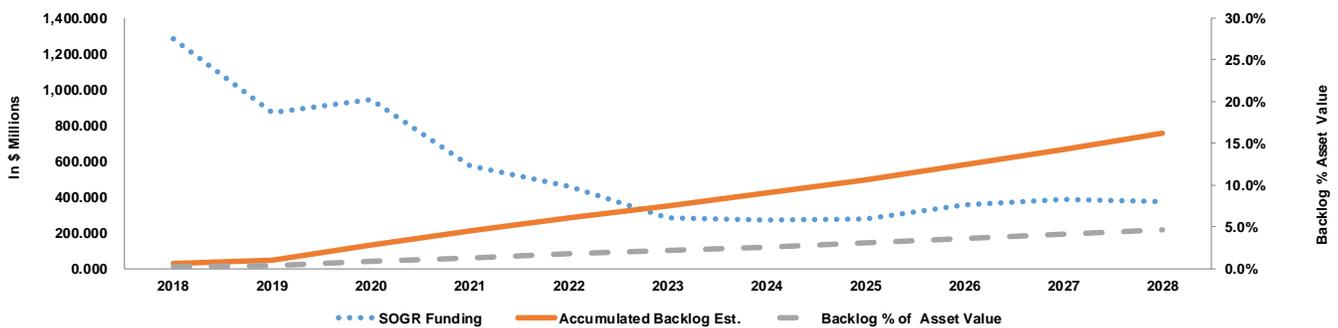
- Growth Related projects account for \$227.478 million or 3.7 % of the total 10-Year Staff Recommended Capital Plan's expenditures. These projects will respond to ridership growth and requirements associated with an expanding fleet.
 - *McNicol Bus Garage Facility* total project cost of \$181.000 million of which \$115.181 million within the 10-year capital plan to construct an indoor storage and maintenance facility for 250 buses, required to accommodate ridership growth and TTC's expanding bus fleet. It is estimated that an additional 157 buses, including longer articulated buses, are required over the next four years due to forecasted growth in transit ridership; increased congestion requiring vehicles for service reliability; and implementation of new service initiatives such as express bus services. As a result, bus garage capacity must be increased by almost 450 buses in the coming years.
 - *Other Buildings & Structures* (\$115.181 million) for a new subway maintenance and storage facility along Line 2 (Bloor-Danforth). This project will allow the TTC to alleviate existing maintenance and storage shortfalls.

State of Good Repair (SOGR) Funding & Backlog

TTC has stewardship over linear assets including tunnels, building, yards, roads, and subway and surface track with a total estimated replacement value of over \$16.4 billion. The 10-Year Staff Recommended Capital Plan will fund \$4.788 billion in SOGR projects over the 10-year period, providing an average annual allocation of \$478.755 million. This funding will continue ongoing state of good repair projects for TTC related infrastructure, vehicle overhauls, electrical systems and facilities.

- Historically between 2013 and 2017, the average annual capital spending rate was approximately 69.7% of budget.
- In 2018, the SOGR Capital Budget was \$1.285 billion; actual expenditures are projected to total \$1.0 billion or 78.3% to the 2018 Approved Capital Budget.

Chart 3: Total SOGR Funding & Backlog



In \$ Millions	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
SOGR Funding	1,282.015	872.186	942.818	575.998	460.735	280.919	270.683	274.471	352.957	384.693	372.095
Accumulated Backlog Est.	26.155	47.764	129.512	211.220	285.259	350.725	423.332	497.591	577.965	666.279	755.065
Backlog % of Asset Value	0.2%	0.3%	0.8%	1.3%	1.7%	2.1%	2.6%	3.0%	3.5%	4.1%	4.6%
Total Asset Value	15,400.000	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630	16,422.630

The TTC has identified \$17.5 billion in unfunded projects over the 10 year period, \$16.7 billion reflect projects that are considered unfunded and the remaining \$755 million reflects capacity to spend. Capacity to spend adjustments do not reflect a decrease in capital need but rather a reduction to ensure cash flows for capital projects (exclusive of buses) are aligned with the TTC’s capacity to spend/deliver on each project on an annual basis. As a result the SOGR backlog includes the following projects:

State of Good Repair Backlog (\$755 million)

- Track Replacement Programs (\$197 million)
- Bus Overhaul (\$117 million)
- Electrical Systems Programs (\$89 million)
- Bridges & Tunnels (\$78 million)
- Subway Car Overhaul (\$62 million)
- Buildings & Structures Programs (\$61 million)
- Information Technology System (\$59 million)
- Equipment (\$31 million)
- Finishes (\$20 million)
- Tools, Machinery and Equipment (\$18 million)
- Automotive/Rail Non-Revenue Programs (\$16 million)
- Environmental Programs (\$4 million)
- Transit Priority Project (\$3 million)

Operating Impact of Completed Capital Projects

Table 5: Net Operating Impact Summary

Projects	2019 Budget		2020 Plan		2021 Plan		2022 Plan		2023 Plan		2019 - 2023		2019 - 2028	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
<i>Communications - Various</i>	195	2.0	(15,222)	(170.0)	(5,530)	-	(426)	-	(437)	-	(21,420)	(168.0)	(23,253)	(168.0)
<i>Easier Access Phase II & III</i>	43	-	63	-	155	-	52	-	84	-	397	-	639	-
<i>Fare Handling Equipment</i>	1,800	-	-	-	-	-	-	-	-	-	1,800	-	1,800	-
<i>Fare System</i>	1,500	20.0	-	-	-	-	-	-	-	-	1,500	20.0	1,500	20.0
<i>Fire Ventilation Upgrade</i>	-	-	-	-	8	-	-	-	8	-	16	-	24	-
<i>Information Technology System-Infrastructure</i>	11,304	14.8	1,908	6.0	462	1.0	1,480	7.5	416	-	15,570	29.3	16,889	28.3
<i>McNicoll Bus Garage Facility</i>	-	-	4,883	34.4	4,883	34.4	-	-	-	-	9,765	68.8	9,765	68.8
<i>Other Bldgs & Structures Projects</i>	553	2.0	567	3.0	232	2.0	602	5.0	437	3.0	2,391	15.0	3,220	20.0
<i>Other Service Planning</i>	60	-	35	-	35	-	35	-	35	-	200	-	340	-
<i>Purchase of Rail Non-Revenue Vehicle</i>	(420)	-	-	-	(800)	-	-	-	-	-	(1,220)	-	(1,220)	-
<i>Signal Systems - Various</i>	95	0.6	(206)	(1.4)	22	-	122	-	26	-	59	(0.8)	163	(0.8)
<i>Streetcar Overhaul Program</i>	-	-	-	(5.1)	-	-	-	(1.2)	-	-	-	(6.3)	-	(6.3)
Sub-Total: New Projects - Future Years	15,130	39.4	(7,972)	(133.1)	(533)	37.4	1,865	11.3	568	3.0	9,057	(42.0)	9,867	(38.0)
Total (Net)	15,130	39.4	(7,972)	(133.1)	(533)	37.4	1,865	11.3	568	3.0	9,057	(42.0)	9,867	(38.0)

The Staff Recommended 10-Year Capital Plan will increase future year Operating Budgets by \$9.867 million net over the 2019 - 2028 period. This reflects both costs and savings arising from various completed projects.

The TTC will also realize operating savings related to communications projects including:

- Station Transformation and Train Door Monitoring (\$23 Million savings):
 - The introduction of PRESTO enables the Collectors currently working in the collector booth to leave and actively engage with customers in a new Customer Service Assistant role.
 - Subject to successful testing of PRESTO fare vending machines and related station preparations, 25 Collectors will be deleted and the balance to be redeployed removed from the booths and be replaced with 388 Customer Service Agents to provide customer service at TTC subway stations.
 - This in turn allows for a transformation of station business processes, rules, duties and responsibilities that will meet or exceed current industry best practices.

Costs:

- \$16.889 million primarily due to the completion of information technology systems including TTC SAP implementation and Risk Management investments to address safety and security. The completion of the VISION program will integrate vehicle borne systems with automated stop displays, automated stop announcements, mobile supervision tools, and KPI reporting.
- Completion of the *McNicoll Bus Garage* facility will have an operating impact of \$9.800 million comprised of \$7.400 million in labour related costs and \$2.300 million for the operating and maintenance of the facility including utility costs.

2018 CAPITAL PERFORMANCE

2018 Project Delivery

During 2018, TTC accomplished the following capital projects and activities:

- On November 12, the TTC went live with SAP Success Factors, a modern, up-to-date cloud-based solution for employee information and talent management, and on premise, SAP Payroll and Benefits. This launch is a significant component of the TTC's Enterprise Resource Planning (ERP) modernization program, bringing together all of the TTC's people and payroll data into one place and facilitating a digital working environment for 15,000+ employees.
- During the weekend of December 1-2, 2018, TTC closed portions of Line 1 Yonge-University so that TTC could complete implementing the next phase of the *Automatic Train Control (ATC)* signal system. The entire stretch between Vaughan Metropolitan Centre and Dupont stations is now operated by ATC. This allows customers riding along this portion of the line to experience more reliable service and fewer delays due to signal issues. When ATC is fully implemented on Line 1, it will provide a more modern and reliable signal system that will allow for an increase in the number of trains operating on the line.
- Initiated on August 26, 2018, PRESTO card customers are now able to take advantage of the TTC's new two-hour transfer to hop on and off the bus, streetcar or subway on one fare as long as they travel within a two-hour window. The new two-hour transfer is only available to PRESTO card customers.

2018 Financial Performance

Table 6: Budget vs. Actual by Project Category

Project Category (In \$ Millions)	2017			2018			2019	
	Budget	Actual	Spending Rate %	Budget	Projected Actual *	Spending Rate %	Staff Recommended Capital Budget (excl. 1 Yr Carry Forward)	Staff Recommended Capital Budget (incl. 1 Yr Carry Forward)
Health & Safety	-	-		-	-		13.573	13.573
Legislated	107.326	66.806	62.2%	81.212	71.489	88.0%	83.370	89.629
SOGR	1,278.589	889.202	69.5%	1,285.015	1,006.523	78.3%	872.186	1,069.230
Service Improvement	67.696	18.155	26.8%	76.624	45.617	59.5%	192.671	200.668
Growth Related	41.733	30.731	73.6%	203.569	165.270	81.2%	103.812	116.908
Total	1,495.344	1,004.894	67.2%	1,646.420	1,288.899	78.3%	1,265.612	1,490.008

The year-end spending for the TTC is projected to be \$1.289 billion or 78.3%. Three major projects are significantly underspent and funding will be carried forward into 2019. These projects include the Information Technology System (\$41.297 million); Purchase of Streetcars (\$34.753 million); and the Subway Car Overhaul Program (\$24.701 million).

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

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.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 described in the 2018 Q3 Capital Variance Report, funding of \$224.4 million is being carried forward from 2018 for inclusion in the 2019 Staff Recommended Capital Budget to continue the capital work.



ISSUES FOR DISCUSSION

ISSUES IMPACTING THE 2019 BUDGET

2019 Budget Overview

2019 Operating Budget:

- The 2018 Council Approved Operating Budget for TTC Conventional and Wheel-Trans of \$1.955 billion gross and \$689.523 billion net, represent a \$32.742 billion increase or 4.7% over the prior year. The funding increase was primarily required to cover the costs of operations with the opening of the TYSSE line; continued PRESTO implementation; legislative changes related to Bill 148 Fair Workplace Act; and \$9.1 billion net in service priorities including:
 - Capacity Improvement Initiatives (\$3.0 billion net), to improve the predictability and consistency of service, reduce wait times and crowding and enhance the transit network for customers on line 1 and 34 bus routes; and
 - Two hour time based transfers (\$6.1 billion net) to adopt a Two-hour Transfer on PRESTO as of August, 2018 to provide PRESTO Card customers with the convenience of entering and exiting the system within two hours of the first tap.
- The 2019 Staff Recommended Operating Budget for TTC Conventional and Wheel-Trans is \$2.1 billion gross and \$762.8 billion net, representing an increase of \$22.0 billion net or 3.0% over the 2018 Approved Operating Budget to maintain service levels.
- TTC has been challenged in this the 2019 Budget process to find savings and efficiencies to offset \$45.7 billion in additional cost to fully fund 2018 approved decisions including: Warehouse Consolidation/Leslie Barns (\$4.3 billion) reversal of the 2018 TTC stabilization reserve draw (\$14.0 billion) compliance with ESA 48 legislation (\$4.5 billion) and prior Council directed service improvement initiatives including full year costs for Capacity improvements (\$8.5M net) and Two Hour Time Based Transfers (\$14.4 billion net) :
- Other significant increases to the 2019 Operating Budget include increasing Presto Transition costs (\$18.5 billion), operating impacts from prior capital approvals (\$19.8 billion) as well as increases from the recent collective bargaining agreement (\$29.2 billion) and inflationary increases for diesel and utilities.
- The review of TTC expenses based on actual experience have resulted in reduced 2019 Budget cost estimates of (\$41 billion) including lower traction power and utility costs (\$16 billion) and savings in employee benefits costs (\$13 billion).
- Other expenditure reductions include those identified through a review of diesel price assumptions for the unhedged portion of anticipated volumes (\$9.5 billion), implementation of City Auditor General procurement recommendations (\$2.0 billion), and the elimination of emergency leave days (\$4.1 billion).
- Two items in the operating budget that have risk in terms of the TTC either meeting the 2019 Operating Budget submission or are bridging strategies include:
 - The TTC is utilizing a one-time draw from the TTC stabilization reserve of \$15.4M to bridge operating pressures that is not sustainable in future budget processes.
 - As well, the budget includes \$24.0 billion in unspecified reductions that will require cost savings to be achieved from \$32 billion in targeted accounts in the base budget to ensure that the reduction targets are met without impacting service levels.
- Revenue adjustments to include a 10 cent fare increase that is expected to generate an additional \$25.6 billion in revenue with the last fare increase occurring in 2017. The TTC is also projecting that measured ridership will stabilize and based on prior year experience on average fare increases, they have assumed an additional \$6.0 billion in revenue in 2019.
- There are no new requests as the focus is on funding annualizations resulting from 2018 service improvement decisions.

10-Year Capital Plan:

- The 2018 Council Approved Capital Budget for TTC of \$6.229 billion concentrated on State of Good Repair representing \$4.788 billion or 76.9% of the total 10-Year Capital Plan's recommended expenditures. The year-end spending rate is projected to be 78.3% of the 2018 Capital Budget.
 - The unspent cash flow funding of \$224.397 million has been carried forward into 2019 to continue the capital work.
- The focus of the 2019 – 2028 Staff Recommended Capital Budget and Plan is based on meeting three key objectives: the replacement of existing vehicles and the addition of growth vehicles, to meet ridership demand; the associated facility construction and, improvements to accommodate those vehicles; and maintaining track, tunnels, bridges and buildings in a state of good repair.
- The 10-Year Staff Recommended Capital Plan also funds projects focused on transit expansion planning and design of the Scarborough Subway Extension, as well as planning and design work for components of the Waterfront Transit Reset and the Relief Line. Transit Expansion projects include:
 - Line 2 East Extension (formerly Scarborough Subway Extension) - \$117 million in 2019 and \$3.4 billion in funding over the 10 year planning period.
 - Relief Line South - Funding of \$135 million in 2019 and \$250 million in 2020 to advance planning and design of the project, which reflects \$325 million in added funding to implement a schedule improvement strategy including early work opportunities. The City has identified \$162.5 million to support this added funding the remaining 50% coming from other government sources.
 - Waterfront Transit – Completion of the preliminary design for the Exhibition to Dufferin Gate Loop with funding of \$27 million from 2019 to 2021 included in the 10-Year Capital Plan.
 - Toronto-York Spadina Subway Extension (TYSSE) – Following the successful opening on December 17, 2017, \$60 million will be spent in 2019 to support project closeout. This funding is consistent with prior budget approval and does not reflect any additional project funding.
 - SmartTrack (Included within the Corporate Initiatives 2019 Staff Recommended Capital Budget)
 - Funding for Eglinton West LRT of \$5.0 million in 2019 and \$1.712 billion in the 2020 – 2026 period.
 - Funding for Stations of \$2.8 million in 2019 and \$1.466 billion in the 2020 – 2026 period.
- During the 2019 Budget process, a detailed analysis of TTC's 2019 - 2028 Capital funding estimates Budget and Plan requirements and historical spending was completed to ensure that cash flow are aligned with projected actuals. Additional, adjustments were applied based on project performance to align with the TTC's capacity to spend/deliver on each project on an annual basis. This resulted in \$755.0 million reduction (Track Replacement, Bus Overhaul, Electrical Systems Programs, Brides & Tunnels, Subway Car Overhaul, etc.) to the TTC's 2019-2028 Capital Plan (exclusive of buses). The adjustment was applied so that key projects are budgeted in the appropriate years.
- The 2019 – 2028 Staff Recommended Capital Budget and Plan funds \$6.229 billion (excluding carry-forward funding); \$6.453 billion (inclusive of carry-forward) of capital expenditures over the 10-Year Capital Plan period. The 2019 10 Year Capital Plan will result in a funding gap of \$17.4 billion for this period based on the needs identified in the CIP.
 - In 2019, The TTC released their Capital Investment Plan (CIP) at its board meeting of January 24th 2019 that was based on a comprehensive review of all state-of-good-repair needs and capital requirements needed to support ridership growth. The report identifies a total capital investment of \$33.5 billion required over the next 15 years. On this basis:
 - There is an additional funding gap of \$6.2 billion for the 2029 – 2033 period bringing the current unmet needs total for the 15 year period to \$23.7 billion based on current funding levels.
 - Over the last 5 years of the CIP, the TTC has assumed the current City, Provincial and Federal funding shares will continue as per the 10 Year Plan generating \$3.300 billion for the 2029 – 2033 period.

Capital Unmet Needs Not Included in the 2019 – 2028 Staff Recommended Capital Budget and Plan

The "Unmet Capital Needs" identified below cannot be accommodated within the City's current debt affordability targets given the limitations on debt servicing costs and therefore are not included in the 2019 - 2028 Staff Recommended Capital Budget for TTC. The projects will be included on the list of unfunded "Capital Priorities" consideration in future budget processes.

Capital Investment Plan (CIP):

- The TTC has released a 15 Year Capital Investment Plan (CIP) following a comprehensive review of state-of-good-repair and service improvement capital requirements needed to maintain system infrastructure and support ridership growth. The \$33.5 billion over the next 15 years identified in the CIP does not include the costs of future Transit expansion initiatives such as the Relief Line and Waterfront Transit.
- As noted in the CIP, in some cases, CIP capital cost estimates are preliminary aggregate project projections. It is recommended that the City and TTC staff continue to work together in developing more detailed annual cash flow projections, prioritization of works, understanding of dependencies between projects/capital programs and stage gating opportunities. This will help inform funding and financing strategies in future Capital budget and planning processes as well as the Long Term Fiscal Plan along with other major City unfunded capital programs including but not limited to Transit Expansion, Transportation SOGR backlog, Social Housing SOGR needs and Affordable Housing projects.
- The required need over the 2019 – 2027 10 year period is \$23.9 billion (\$6.5 billion funded and \$17.4 billion unfunded) the additional 5 year period 2028 – 2032 requires \$9.6 billion in funding to support Line 2 Capacity Enhancements, Bus purchases and etc. The requirements total \$33.5 billion over the next 15 year period. Below are the \$17.4 billion in unfunded projects that the TTC has identified for the 2019 – 2027 10 year period:

Table 8: Unmet Capital Needs Not Included in the Staff Recommended 10-Year Capital Plan

Project Description (In \$ Millions)	Total Project Cost	Non- Debt	Debt Required	Cash Flow (In \$ Millions)										
				2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
NOT INCLUDED														
ATC Resignalling	291.674	-	291.674	-	-	-	10.516	13.460	45.018	51.272	52.998	55.847	62.563	
Automotive Non-Revenue Vehicles	54.052	-	54.052	9.503	3.357	9.260	3.987	3.917	7.950	6.942	3.068	2.479	3.589	
Bridges and Tunnels - Various	106.007	-	106.007	5.235	9.409	16.272	15.052	7.239	9.555	9.288	9.426	9.566	14.965	
Bus Overhaul Program	147.375	-	147.375	6.641	13.899	12.196	26.671	26.933	11.808	12.004	12.203	12.406	12.614	
Communications - Various	76.988	-	76.988	6.517	10.016	9.440	14.165	5.642	6.092	5.313	5.739	6.425	7.639	
Environmental Programs	27.460	-	27.460	0.350	0.360	0.370	2.880	3.890	3.900	3.910	3.920	3.930	3.950	
Equipment - Various	64.871	-	64.871	3.520	8.605	11.252	10.189	3.113	6.215	7.354	4.623	3.931	6.069	
Fare System	47.000	-	47.000	-	47.000	-	-	-	-	-	-	-	-	
Finishes - Various	56.451	-	56.451	2.210	3.373	8.463	9.894	8.617	8.128	5.739	3.429	3.252	3.346	
Fire Ventilation Upgrade	104.367	-	104.367	-	-	-	-	-	39.418	27.209	19.580	9.080	9.080	
Furniture & Office Equipment	1.437	-	1.437	0.092	0.239	0.149	0.083	0.172	0.094	0.203	0.104	0.100	0.201	
Information Technology System-Infrastruct	237.288	-	237.288	11.841	25.304	36.944	31.451	30.162	15.906	16.335	23.358	24.536	21.451	
On-Grade Paving Rehabilitation	106.964	-	106.964	2.678	7.173	19.174	29.224	29.056	6.182	3.263	3.298	3.414	3.502	
Other Bldgs & Structures Projects	12,436.234	-	12,436.234	105.644	446.046	690.213	895.737	1,904.452	2,481.368	2,230.867	1,712.095	1,056.899	912.913	
Other Maintenance Equipment	6.552	-	6.552	1.681	0.927	0.607	0.432	0.417	0.482	0.488	0.495	0.506	0.517	
Other Service Planning	78.539	-	78.539	2.564	1.431	5.869	12.525	12.324	12.868	12.883	10.025	4.025	4.025	
Power Dist./Electric Systems - Various	84.456	-	84.456	1.035	1.311	1.920	4.950	7.291	10.199	11.985	18.390	25.753	1.622	
Purchase of 360 Wheel-Trans Vehicles	137.585	-	137.585	1.446	21.977	14.743	16.114	19.323	8.230	1.448	7.822	8.461	38.021	
Purchase of Streetcars	510.654	-	510.654	-	-	-	0.156	2.167	65.667	278.043	150.615	14.006	-	
Purchases of Buses	1,805.030	-	1,805.030	-	-	175.275	175.250	197.155	266.291	225.385	294.215	200.781	270.678	
Rail Non-Revenue Vehicle Overhaul	4.598	-	4.598	0.135	0.497	1.221	0.884	0.292	0.299	0.306	0.314	0.321	0.329	
Signal Systems - Various	9.093	-	9.093	0.880	0.887	0.865	0.864	0.882	0.900	0.909	0.942	0.960	1.004	
Subway Car Overhaul Program	393.955	-	393.955	4.812	7.156	7.711	72.426	143.083	67.608	67.887	4.260	7.753	11.259	
Subway Track	82.053	-	82.053	2.136	7.797	9.635	7.761	7.987	9.090	9.270	9.413	9.977	8.987	
Surface Track	160.858	-	160.858	5.857	47.332	15.232	13.758	14.257	12.466	12.725	12.941	13.462	12.828	
Tools and Shop Equipment	29.042	-	29.042	7.580	5.741	5.717	1.567	1.374	0.721	2.316	0.645	1.220	2.161	
Traction Power - Various	56.418	-	56.418	2.920	4.415	6.168	4.471	4.965	6.239	6.271	6.538	7.175	7.256	
Transit Shelters & Loops	0.796	-	0.796	0.070	0.070	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	
Yards and Roads - Various	34.348	-	34.348	-	10.000	13.850	10.498	-	-	-	-	-	-	
Easier Access Phase II & III	100.000	-	100.000	-	-	-	-	-	-	-	-	50.000	50.000	
Leslie Barns Streetcar Maint. & Storage Fa	240.000	-	240.000	-	-	30.000	30.000	30.000	30.000	30.000	30.000	30.000	30.000	
Total Unmet Needs (Not Included)	17,492.145	-	17,492.145	185.347	684.322	1,102.628	1,401.587	2,478.252	3,132.777	3,039.698	2,400.538	1,566.345	1,500.651	

- It is also recommended that City Council request that the City Manager continue to pursue permanent and sustainable intergovernmental funding for TTC capital and operating including base capital needs.

Below are a project highlights included with the CIP:

Subway Assets

- Line 1 Capacity Enhancement (\$5.500 billion project cost) and – This project will increase capacity through the purchase of new trains, new northern yard and other station infrastructure enhancements. The 2019 Capital budget includes \$2.00 million of the requested \$59.000 million, the remaining \$57.000 million for 2019 and \$5.441 billion for future years 2020 – 2028 is unfunded.
 - In future updates of CIP itemized cost along with timing of vehicle purchases and facility procurement will provide the necessary information for the City to evaluate the request to properly determine project aligns with City's priorities.
- Western Yard (\$2.270 billion projects cost and \$2.300 billion unfunded in the 10 year Capital Budget) – This project requires the purchase of land, construction of maintenance for the storage facility and connection to the main line to meet growth.
 - The CIP does not specify timing or expected construction cost for the maintenance and storage facility or the connection to the main line.
- Line 2 Capacity Enhancement (\$982.000 million project cost unfunded in the 10 year Capital Budget) and – This project will Increase capacity through the purchase of new trains, traction power upgrades and other station infrastructure enhancements.
- T1 Life Extension Overhaul (\$715.225 million project cost, \$332.000 million unfunded) – TTC expects to complete a 25 year overhaul of T1 subway trains starting in 2022 and ending in 2027 to extend their useful life.

Station Facilities

- Bloor/Yonge Capacity Improvements (\$1.067 Billion project cost, \$1.057 billion unfunded) – The project scope includes construction of additional platforms, escalators and elevators to improve vertical circulation.
- Easier Access Phase III (AODA) and Enhanced Station A (\$690.791 million project cost, \$590.791 million unfunded) - Installing elevators to make all stations accessible by 2025 and additional future elevator installations.

Buses

- Bus Procurement Program (\$2.349 billion project cost, \$1.802 billion unfunded) - Purchase of diesel, low-floor, low/zero emissions buses.
 - Moving to a steady state procurement for new buses by buying them in similar quantities every year
 - This limits sudden spikes in the capital funding needs and increases the efficiency of TTC's maintenance operations
- Bus Garages (\$776.859 billion project cost, \$592.951 million unfunded) – The scope of the project would include McNicoll bus garage completion, construction of collision centre and heavy-overhaul bus facility and garage upgrades.
- Purchase of Future Wheel-Trans Buses (\$245.614 million project cost, \$137.585 million unfunded) – Replacement of "Friendly" bus fleet and additional facilities based on the Family of Service model.

Streetcars

- New Streetcar Maintenance and Storage Facility (\$900.000 million project and is unfunded) - Consideration of the conversion of the Hillcrest complex to streetcar only with additional track and upgrading the Harvey Shop.
- Purchase of 60 LRVs for Ridership Growth (\$360.916 million project cost and is unfunded) - Purchase of 60 accessible articulated low-floor streetcars for growth for ridership growth in the 2026 – 2027 time period.
- Streetcar Facility Upgrade (\$244.909 million project, \$240.000 million unfunded) - Enhancements to streetcar facilities.

OTHER ISSUES IMPACTING THE 2019 BUDGET

Public Transit Infrastructure Fund (PTIF)

- On August 23, 2016, the Government of Canada, the Province of Ontario and the City of Toronto announced a new federal-provincial funding agreement, the Public Transit Infrastructure Fund (PTIF) – Phase 1, that provided funding for key investments in the repair, modernization and expansion of the city's transit and active transportation networks.
- Toronto received \$856 million in Federal funding matched by the City resulting in approximately \$1.8 billion in total funding for public transit and active transportation projects.
- By program completion in March 2020, the TTC and City will have :
 - Added 1,043 buses to its fleet;
 - Funded planning and design work related to transit expansion projects including the SmartTrack Stations Program, Relief Line, Eglinton East and West LRT extensions, and the Line 2 East Extension (Scarborough Subway Extension); and
 - Funded a wide variety of state-of-good repair projects, including the rehabilitation and repair both subway and surface track.

Modernization, Transformation and Innovation Initiatives

Several transformative projects are underway which will modernize operation and enhance customer service while generating costs savings and/or cost avoidance in future years. It is recommended that the TTC identify all costs, savings and benefits to be realized from modernization and transformation initiatives planned and underway during 2019 to be included in the TTC's 2020 Budget submission.

Initiatives include:

PRESTO:

- In November 2012, TTC entered into a Master Agreement with Metrolinx to implement PRESTO at the TTC. PRESTO, a Division of Metrolinx, is a fare payment system implemented in municipal transit providers across the GTHA and Ottawa. The Master Agreement and business model requires Metrolinx to finance, implement, operate, maintain and keep the PRESTO system in a state of good repair as a managed services business model. While the TTC owns and is responsible for the fare gates, Metrolinx is responsible for all other PRESTO equipment, software, and functionality deliverables.
- The adoption of PRESTO is largely based on the roll-out of PRESTO products and system performance, which has experienced some delays and challenges, leading to several revisions to adoption targets and schedules. TTC is currently in a state of transition and although other agencies have already implemented the new fare payment system, the multi-modal mix and station configuration such as 'integrated' (buses enter fare paid area) vs. 'non-integrated' (customers are dropped off outside the station) add complexity to the PRESTO transition. TTC staff recognize that there have been reliability issues with the fare gates, card readers, and fare vending machines. TTC and Metrolinx are working closely to improve reliability and software upgrades continue to be released to enhance the performance of PRESTO equipment and TTC fare gates. There are a number of benefits and opportunities resulting from this transition, including:
 - Flexibility around fare policy and pricing (e.g. Two-hour transfer, Daily Max);
 - Fare integration throughout the GTHA;
 - Enhanced customer convenience: fund protection, the ability to auto-load and auto-renew etc.;
 - Faster boarding time and fare enforcement; and
 - Data to inform pricing, service planning, and operational decisions.

- TTC expects as PRESTO is fully adopted and fare media is phased out savings would be realized from reduced cash handling and a reduction of station collectors that can offset processing costs associated with full adoption.
 - The TTC had projected that at PRESTO full implementation, overall costs of fare collection would remain at or below current costs of fare collection (i.e. 7%-8%).
 - The 5.25% fee on PRESTO transactions remains unchanged

However PRESTO cost have increased (\$18.500 million):

- The fare collection costs continue to increase in 2019 as adoption rates increase and the TTC incurs transitional costs of operating both the PRESTO system and their Legacy fare collection system. The TTC is dependent on the stop selling and accepting of legacy fare media dates. As a result of the delay in PRESTO implementation, the TTC will require additional support to continue current operations:
 - Retain 45 staff members for one year;
 - Extend a number of service contacts;
 - Purchase a supply of legacy fare media;
 - Additional ticket validators and mounting brackets on the new low-floor streetcars in support of legacy fare media use.
- The TTC 2019 Operating budget includes \$18.5 million in increased costs, which would bring its fare collection expenditures up to \$129.000 million, almost \$20.000 million over the 2018 budget.
- Wheel-Trans Family of Services – Wheel-Trans customers have more independent and flexible travel options. On December 9, 2018, Wheel-Trans launched a new online booking and scheduling system representing a major change for customers and staff. The new system is a crucial element of the Wheel-Trans Transformation Strategy as it allows customers to easily book their trips including door-to-door trips or Family of Services.
- SAP Enterprise Resource Planning (ERP) system that has replaced the current TTC applications supporting business domains legacy systems that have been identified as part of the TTC modernization program.
- The current TTC applications supporting these business domains are legacy systems and have been identified for replacement as part of a program to re-engineer TTC business processes. These business process improvements, and a platform for more efficient and effective management, will generate gains in operating the business and will improve front office activities and service delivery.
- VISION system will enhance route management to improve on-time performance and reliability. By 2020, complement requirements to maintain the system will be more than offset through complement deletions as a result of the gradual phase out of support for the legacy CIS system.

ISSUES IMPACTING FUTURE YEARS

Modernization, Transformation and Innovation

Several transformative projects are ongoing which will enhance customer service and generate costs savings and/or cost avoidance in future years. These include:

- *Automatic Train Control / Implementation of One-Person Train Operation:*
 - The Yonge-University-Spadina Line (Line 1) is over 30km from the north end of the city at Finch/Yonge south through the downtown core and north again to Sheppard West. Ridership growth predictions indicate that the current system cannot support the increase of usage expected over the coming decades and therefore the capacity must be increased.
 - By running trains closer together, additional trains can be run on the line at the same time, thus providing extra capacity. The method adopted to implement this increase in headway is to leverage the Automatic Train Control (ATC) and to adopt Automatic Operation (ATO).
 - Adopting ATO will increase capacity; reduce platform overcrowding; supervise train speed to allow for smoother acceleration / deceleration; prevent signal violations to improve safety and passenger comfort; and improve adherence to scheduling.

Station Transformation:

- On September 28, 2016 at its meeting TTC staff submitted a report to the Board to adopt the Stations Transformation Program.
[https://www.ttc.ca/About the TTC/Commission reports and information/Commission meetings/2016/September 28/Reports/6 Stations Transformation.pdf](https://www.ttc.ca/About%20the%20TTC/Commission%20reports%20and%20information/Commission%20meetings/2016/September%2028/Reports/6%20Stations%20Transformation.pdf)
 - The introduction of PRESTO enables the Collectors currently working in the collector booth to leave and actively engage with customers in a new Customer Service Assistant role. This in turn allows for a transformation of station business processes, rules, duties and responsibilities that will meet or exceed current industry best practices.
 - Station transformation will also include the construction and installation of zone offices with zone control rooms or hubs. This will involve the implementation of various technology systems and software.
 - The original Operating Budget impact of the project included a total annual savings of \$6.500 million for the following items:
 - \$5.00 million - 51 Collectors/CSA by 2019 resulting in labour savings
 - \$1.500 million - Elimination of special payments

It is recommended that the TTC identify all costs, savings and benefits to be realized from modernization and transformation initiatives planned and underway during the 2019, and include the list in the TTC's 2020 Budget submission.

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:

Scarborough Subway Extension

Project Overview and Deliverables

- The Scarborough Subway Extension (SSE) project involves the design and construction of an extension of the Bloor-Danforth subway line in order to replace the aging Scarborough RT (SRT). The alignment approved by City Council in October 2013 was to extend the subway by approximately 7.5 km north from Kennedy Station, on McCowan Road, with stations at Lawrence, Scarborough Centre and Sheppard Avenue.
- At its meeting of July 13, 2016, City Council adopted the concept of an express subway extension from Kennedy to Scarborough Centre.
- At its meeting of March 28, 2017, City Council approved the McCowan alignment and the Triton bus terminal, as well as initiating the Transit Project Assessment Process (TPAP).
- With alignment/bus terminal approved by Council, the budget and schedule will continue to evolve as more information becomes available and design develops to the 30% stage. The project budget and schedule will then be re-established at the 30% stage, factoring delivery strategy and risk.

Financial Update

Project name (In \$000s)	Initial Approval Date	Approved Project Cost	Life to Date Expenditures as at Dec 31, 2017	2018		2019	2020 - 2029	Projection To End of Project	Status	End Date		On Budget	On Time
				Budget	Year-End Projection *	Budget	Plan			Planned	Revised		
Scarborough Subway Extension	2013	3,560,000	100,430	113,251	96,989	117,076	3,245,505	3,560,000	Significant Delay	2019	TBD	Ⓞ	Ⓜ

Project Status

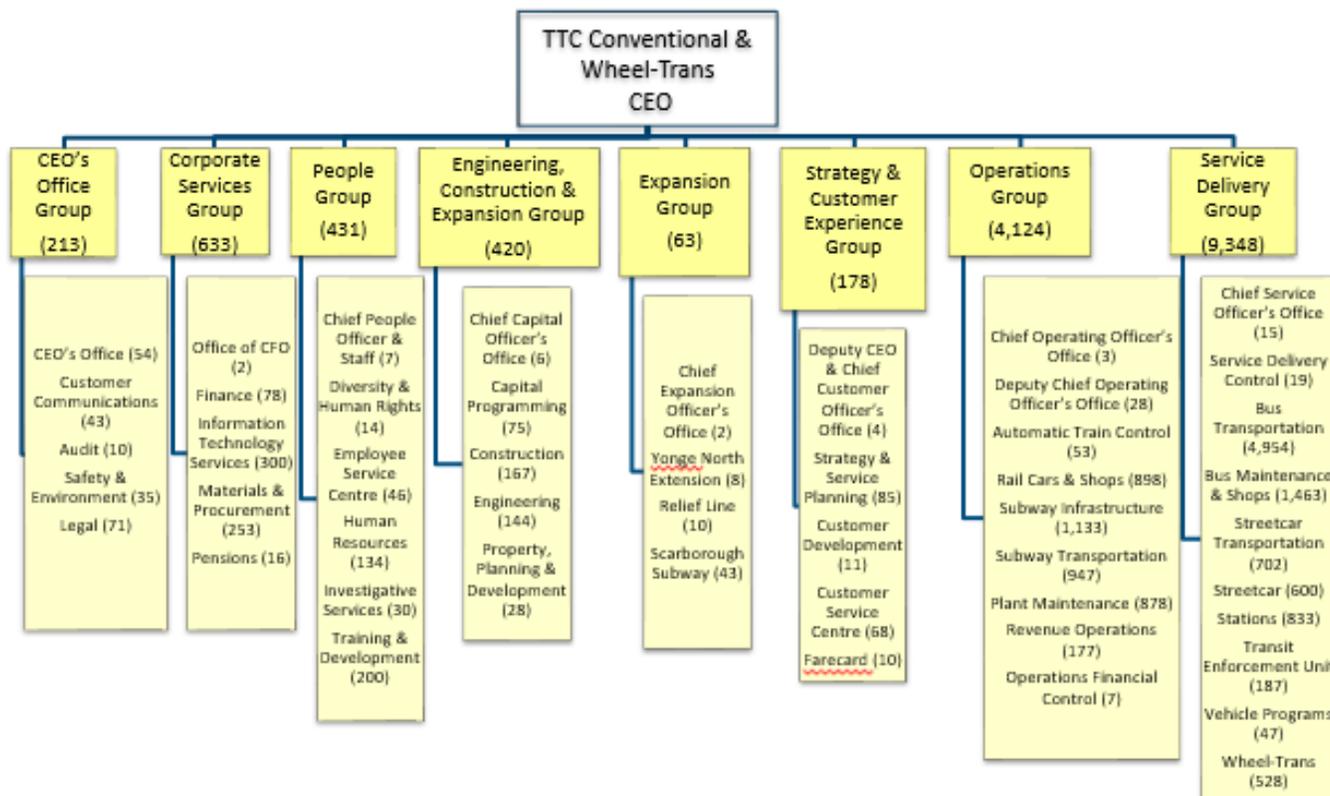
- Work continues to progress on all elements towards 60% design and the Stage Gate 3 submission. At Stage Gate 3, the project will provide final Class 3 Cost Estimates, Level 3 Project Schedule and an associated risk and schedule risk analysis. The Chief Project Manager is continuing to work with key stakeholders within the TTC and the City to define the activities, approval process and timelines for a Stage Gate 3 report, which is anticipated to be presented to the Executive Committee, the TTC Board and City Council in Q1/Q2 2019.



APPENDICES

Appendix 1

2019 Organization Chart



The 2019 total staff complement includes the TTC/ CEO and staff for a total of 15,951 positions, comprising 2,373 capital positions and 13,578 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
Operating	Permanent	46.0	1,198.0	1,100.0	10,948.0	13,281.0
	Temporary	-	3.0	103.0	180.0	286.0
	Total Operating	46.0	1,201.0	1,203.0	11,128.0	13,567.0
Capital	Permanent	25.0	307.0	824.0	986.0	2,142.0
	Temporary		17.0	89.0	125.0	231.0
	Total Capital	25.0	324.0	913.0	1,111.0	2,373.0
Grand Total		71.0	1,525.0	2,116.0	12,239.0	15,951.0

Appendix 2

2019 Operating Budget by Service

TTC Convention & Wheel-Trans

(In \$000s)	2018	2019			Changes		Incremental Change	
	Approved Budget	Base	New / Enhanced	Total Staff Recommended Budget			2020 Plan	2021 Plan
By Service	\$	\$	\$	\$	\$	%	\$	\$
Toronto Transit Commission - Conventional Service								
Gross Expenditures	1,851,121.4	1,910,540.4	0.0	1,910,540.4	59,419.0	3.2%	119,369.0	86,159.7
Revenue	1,254,479.6	1,288,793.8	0.0	1,288,793.8	34,314.2	2.7%	15,259.0	11,564.7
Net Expenditures	596,641.8	621,746.6	0.0	621,746.6	25,104.8	4.2%	104,110.0	74,595.0
Toronto Transit Commission - Wheel-Trans Service								
Gross Expenditures	152,855.2	149,018.9	0.0	149,018.9	(3,836.3)	(2.5%)	4,724.2	2,479.8
Revenue	8,631.1	8,110.7	0.0	8,110.7	(520.4)	(6.0%)	179.0	242.1
Net Expenditures	144,224.1	140,908.2	0.0	140,908.2	(3,315.9)	(2.3%)	4,545.2	2,237.7
Total								
Gross Expenditures	2,003,976.6	2,059,559.3	0.0	2,059,559.3	55,582.7	2.8%	124,093.2	88,639.5
Revenue	1,263,110.7	1,296,904.5	0.0	1,296,904.5	33,793.8	2.7%	15,438.0	11,806.8
Total Net Expenditures	740,865.9	762,654.8	0.0	762,654.8	21,788.9	2.9%	108,655.2	76,832.7
Approved Positions	15,805.0	15,951.0	0.0	15,951.0	146.0	0.9%	206.0	23.0

* Year-End Projection Based on Q3 2018 Variance Report

Appendix 3

2019 Service Levels

Toronto Transit Commission

Service	Activity	Type	Sub-Type	Service Level 2017	
Conventional Transit		Bus Service		TBD	
		Rail Service	Subway	TBD	
			Streetcar	TBD	
			Scarborough Rapid Transit (SRT)	TBD	
		Streetcar Charter		TBD	
Conventional Transit Fleet Management	Conventional Fleet Acquisition	Buses		TBD	
		Streetcars		TBD	
		Subway Cars		TBD	
		Light Rail		TBD	
		Railyard Equipment		TBD	
		Non-Revenue Light Duty Vehicles		TBD	
	Conventional Fleet Maintenance	Buses		TBD	
		Streetcars		TBD	
		Subway Cars		TBD	
		Light Rail		TBD	
		Railyard Equipment		TBD	
	Conventional Fleet Disposal	Buses		TBD	
		Streetcars		TBD	
		Subway Cars		TBD	
		Light Rail		TBD	
		Railyard Equipment		TBD	
		Non-Revenue Light Duty Vehicles		TBD	
		TTC Driver & Operator Safety			TBD
	Conventional Transit Fuel & Energy Management	Conventional Fuel & Energy Acquisition	Natural Gas		TBD
Bio-Diesel				TBD	
Gasoline				TBD	
Hydro				TBD	
Conventional Fuel & Energy Distribution		Natural Gas		TBD	
		Bio-Diesel		TBD	
		Gasoline		TBD	
Conventional Transit Infrastructure & Facilities Management	Track & Structure Management	Tunnels		TBD	
		Bridges		TBD	
		Rail		TBD	
		Right-of way		TBD	
	Stations & Buildings Management	Custodial Care		TBD	
		Safety & Security		TBD	
		Facilities Maintenance		TBD	
	Signals/Electrical/Communications Management	Signals		TBD	
		Switches		TBD	
					TBD
Conventional Transit Management & Administration		CEO		TBD	
		Corporate Communications		TBD	
		Human Resources		TBD	
		Human Rights & Internal Audit		TBD	
		Finance		TBD	
		ITS		TBD	
		Marketing & Customer Service		TBD	
		Materials & Procurement		TBD	
		Legal & Claims		TBD	
		Pension Fund Society		TBD	
		Property Development		TBD	
Revenue Operations		TBD			
Safety and Non-Departmental			TBD		

- City Council directed TTC staff to continue to work with City staff to establish service standards and service levels for both the TTC Conventional Service and Wheel-Trans Service.

Appendix 4

Summary of 2019 Service Changes

Description (\$000s)	Service Changes				Total Service Changes			Incremental Change			
	Toronto Transit Commission - Conventional		Toronto Transit Commission - Wheel-Trans Service		\$	\$	#	2020 Plan		2021 Plan	
	Gross	Net	Gross	Net	Gross	Net	Pos.	Net	Pos.	Net	Pos.
Base Changes:											
Base Expenditure Changes											
Lower projected ridership - Service adj.			(7,907.3)	(7,175.7)	(7,907.3)	(7,175.7)					
Reduction in cost per trip			(2,079.4)	(2,079.4)	(2,079.4)	(2,079.4)	18.0				
Line by Line Reductions	(34,000.0)	(41,000.0)			(34,000.0)	(41,000.0)					
Base Savings to Achieve Target	(44,900.0)	(44,900.0)			(44,900.0)	(44,900.0)	2.0				
Base Revenue Changes											
Base User Fee Changes (Inflation)		(6,000.0)				(6,000.0)		(29,154.8)		(13,500.0)	
Utilize TTC Stabilization Reserve	300.0	(15,391.0)			300.0	(15,391.0)		15,391.0			
Sub-Total	(78,600.0)	(107,291.0)	(9,986.7)	(9,255.1)	(88,586.7)	(116,546.1)	20.0	(13,763.8)		(13,500.0)	
Service Adjustments											
10 cents Fare Increase	1,300.0	(25,600.0)		(211.2)	1,300.0	(25,811.2)		25,811.2			
Sub-Total	1,300.0	(25,600.0)		(211.2)	1,300.0	(25,811.2)		25,811.2			
Total 2019 Service Changes	(77,300.0)	(132,891.0)	(9,986.7)	(9,466.3)	(87,286.7)	(142,357.3)	20.0	12,047.4		(13,500.0)	

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

Form ID		Agencies - Cluster	Adjustments				2020 Plan Net Change	2021 Plan Net Change
Category	Equity Impact		Program - Toronto Transit Commission - Conventional	Gross Expenditure	Revenue	Net		
			1,908,940.4	1,245,991.6	662,948.8	15,314.00	86,918.9	67,595.0

18798 10 Cent Fare Increase

52 Negative **Description:**

Service Level Impact:

Equity Statement:

The TTC is strongly committed to making Toronto's transit system barrier-free and accessible to all. The TTC believes all customers should enjoy the freedom, independence and flexibility to travel anywhere on the public transit system. All expenditures required to meet the TTC's accessibility and equity requirements are provided for in these budgets, including a \$1.6 million increase in funding for elevator maintenance and continued implementation of Wheel-Trans Family of Services. TTC understands that a 10 cent fare increase will be an affordability issue for some TTC customers. While this impact will not be fully mitigated, actions will be taken in 2019, in addition to past fare policy initiatives, to lessen this impact.

Service: Toronto Transit Commission - Conventional Service

Total Staff Recommended Changes:	1,300.0	26,900.0	(25,600.0)	0.00	0.0	0.0
Staff Recommended Service Changes:	1,300.0	26,900.0	(25,600.0)	0.00	0.0	0.0

17369 Utilize TTC Stabilization Reserve

52 No Impact **Description:**

Service Level Impact:

Equity Statement:

The proposal is unlikely to have an equity impact.

Service: Toronto Transit Commission - Conventional Service

Total Staff Recommended Changes:	300.0	15,691.0	(15,391.0)	0.00	15,391.0	0.0
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**2019 Operating Budget - Staff Recommended Service Changes
Summary by Service (\$000's)**

Form ID		Agencies - Cluster	Adjustments				2020 Plan Net Change	2021 Plan Net Change
Category	Equity Impact		Gross Expenditure	Revenue	Net	Approved Positions		
		Program - Toronto Transit Commission - Conventional						
Staff Recommended Service Changes:			300.0	15,691.0	(15,391.0)	0.00	15,391.0	0.0
Summary:								
Staff Recommended Service Changes:			1,600.0	42,591.0	(40,991.0)	0.00	15,391.0	0.0
Staff Recommended Base Budget:			1,910,540.4	1,288,582.6	621,957.8	15,314.00	102,309.9	67,595.0

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

Form ID		Agencies - Cluster	Adjustments				2020 Plan Net Change	2021 Plan Net Change
Category	Equity Impact		Gross Expenditure	Revenue	Net	Approved Positions		
		Program - Toronto Transit Commission - Wheel Trans						
2019 Staff Recommended Base Budget Before Service Changes:			149,018.9	7,899.5	141,119.4	637.00	4,545.2	2,237.7

18828	Fare increase
52	Negative

Description:

Service Level Impact:

Equity Statement:

The TTC is strongly committed to making Toronto's transit system barrier-free and accessible to all. The TTC believes all customers should enjoy the freedom, independence and flexibility to travel anywhere on the public transit system. All expenditures required to meet the TTC's accessibility and equity requirements are provided for in these budgets, including a \$1.6 million increase in funding for elevator maintenance and continued implementation of Wheel-Trans Family of Services. TTC understands that a 10 cent fare increase will be an affordability issue for some TTC customers. While this impact will not be fully mitigated, actions will be taken in 2019, in addition to past fare policy initiatives, to lessen this impact.

Service: Toronto Transit Commission - Wheel-Trans Service

Total Staff Recommended Changes:	0.0	211.2	(211.2)	0.00	0.0	0.0
Staff Recommended Service Changes:	0.0	211.2	(211.2)	0.00	0.0	0.0

Summary:

Staff Recommended Service Changes:	0.0	211.2	(211.2)	0.00	0.0	0.0
Staff Recommended Base Budget:	149,018.9	8,110.7	140,908.2	637.00	4,545.2	2,237.7

Appendix 7

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

(In \$000s)	Total App'd Cash Flows to Date*	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													
Communications - Various		169	-	-	-	-	-	-	-	-	-	169	169
Environmental Programs		10,000	20,000	20,000	-	-	-	-	-	-	-	50,000	50,000
Finishes - Various		2,404	2,431	-	-	-	-	-	-	-	-	4,835	4,835
Other Bldgs & Structures Projects		1,000	5,000	12,000	8,500	11,000	11,000	5,000	-	-	-	53,500	53,500
Sub-Total		13,573	27,431	32,000	8,500	11,000	11,000	5,000				108,504	108,504
Legislated													
Communications - Various		1,179	1,650	380	370	-	-	-	-	400	500	4,479	4,479
Easier Access Phase II & III	344,118	58,414	70,592	82,405	96,492	93,479	83,246	69,731	35,632	-	-	589,991	934,109
Environmental Programs		8,567	8,017	10,469	4,210	3,805	3,600	3,690	3,780	3,870	3,936	53,944	53,944
Equipment - Various		560	841	1,117	1,029	339	250	250	250	368	-	5,004	5,004
Other Bldgs & Structures Projects		14,313	17,025	25,923	8,008	10,329	8,871	335	553	2,246	159	87,762	87,762
Other Service Planning		100	3,644	2,856	2,856	2,854	2,849	2,809	-	-	-	17,968	17,968
Subway Car Overhaul Program		5,372	2,128	-	-	-	-	-	-	-	-	7,500	7,500
Yards and Roads - Various		1,124	5,785	-	-	-	-	-	-	-	-	6,909	6,909
Sub-Total	344,118	89,629	109,682	123,150	112,965	110,806	98,816	76,815	40,215	6,884	4,595	773,557	1,117,675
State of Good Repair													
ATC Resignalling	445,231	65,200	65,200	72,572	20,000	-	-	-	-	-	-	222,972	668,203
Automotive Non-Revenue Vehicles		-	799	288	488	588	-	-	-	-	-	2,163	2,163
Bridges and Tunnels - Various		31,930	35,652	42,334	32,721	36,958	35,311	37,151	37,702	38,266	33,532	361,557	361,557
Bus Overhaul Program		40,118	45,090	31,583	11,211	11,183	41,425	42,010	42,608	43,219	43,840	352,287	352,287
Communications - Various		13,259	9,802	11,389	6,943	7,611	5,518	5,581	6,581	7,592	10,324	84,600	84,600
Equipment - Various		26,047	33,623	28,296	13,860	13,650	11,439	9,900	11,131	15,723	18,039	181,708	181,708
Fare Handling Equipment	62,213	1,175	350	350	350	350	400	400	400	400	1,300	5,475	67,688
Fare System	1,878	125	400	-	-	-	-	-	-	-	-	525	2,403
Finishes - Various		15,919	22,244	19,877	21,199	12,815	7,894	6,504	7,926	6,854	6,978	128,210	128,210
Fire Ventilation Upgrade		17,764	33,912	53,196	60,861	52,013	-	-	-	-	-	217,746	217,746
Furniture & Office Equipment		170	444	276	154	320	141	305	157	149	302	2,418	2,418
Information Technology System-Infrastructure		82,460	55,520	8,405	6,118	9,402	6,614	7,871	16,987	16,285	11,333	220,995	220,995
Leslie Bams Streetcar Maint. & Storage Facility	523,489	3,559	1,350	-	-	-	-	-	-	-	-	4,909	528,398
On-Grade Paving Rehabilitation		6,583	14,132	16,281	17,046	10,624	9,744	9,890	10,038	10,189	10,342	114,869	114,869
Other Bldgs & Structures Projects		69,686	270,112	28,441	9,854	2,456	1,355	4,634	2,478	1,771	3,598	394,385	394,385
Other Maintenance Equipment		3,123	1,721	1,128	801	774	724	733	742	758	776	11,280	11,280
Other Service Planning		100	2,458	(2,778)	(3,434)	517	-	-	-	-	-	(3,137)	(3,137)
Power Dist./Electric Systems - Various		7,129	9,084	7,367	8,201	6,012	5,714	5,728	6,220	6,571	6,292	68,318	68,318
Purchase of 360 Wheel-Trans Vehicles		7,629	2,003	-	-	-	12,142	12,507	4,839	26,846	4,840	70,806	70,806
Purchase of Rail Non-Revenue Vehicle		9,483	9,602	9,137	8,090	1,194	-	-	-	-	-	37,506	37,506
Purchase of Streetcars		331,651	35,265	-	-	-	-	-	-	-	-	366,916	366,916
Purchase of Subway Cars		2,406	7,449	3,800	-	-	-	-	-	-	-	13,655	13,655
Purchases of Buses		182,664	87,167	37,451	86,210	-	-	-	-	-	-	393,492	393,492
Queensway Bus Garage Renovations	24,226	-	131	-	-	-	-	-	-	-	-	131	24,357
Rail Non-Revenue Vehicle Overhaul		3,146	4,270	7,692	3,245	1,288	556	569	583	596	612	22,557	22,557
Signal Systems - Various		12,298	17,574	14,289	9,097	3,261	3,078	1,688	1,748	1,783	1,865	66,681	66,681
Streetcar Overhaul Program		3,674	3,014	4,956	9,203	9,258	9,416	9,578	13,067	9,895	10,109	82,170	82,170
Subway Car Overhaul Program		28,469	24,193	22,402	14,727	9,752	46,085	46,738	109,938	118,067	128,941	549,312	549,312
Subway Track		18,552	37,549	45,043	37,546	38,231	33,565	34,122	34,107	35,763	32,909	347,387	347,387
Surface Track		27,796	17,182	24,450	21,568	21,861	15,557	19,331	25,366	20,935	23,770	217,816	217,816
Tools and Shop Equipment		5,011	1,978	1,974	1,823	1,400	1,407	1,402	1,306	1,670	932	18,903	18,903
Toronto Rocket Yard & Storage Track Accommodation	502,135	34,555	75,497	69,273	46,645	12,450	5,665	-	-	-	-	244,085	746,220
Traction Power - Various		17,255	17,797	15,932	15,745	16,488	16,470	17,366	18,570	20,898	20,998	177,519	177,519
Transit Shelters & Loops		294	385	463	463	463	463	463	463	463	463	4,383	4,383
Sub-Total	1,559,172	1,069,230	942,818	575,998	460,735	280,919	270,683	274,471	352,957	384,693	372,095	4,984,599	6,543,771
Service Improvement													
Bicycle Parking at Stations	850	305	-	-	-	-	-	-	-	-	-	305	1,155
Communications - Various		75	-	-	-	-	-	-	-	-	-	75	75
Finishes - Various		906	1,813	-	-	-	-	-	-	-	-	2,719	2,719
Information Technology System-Infrastructure		11,632	13,054	11,089	2,247	449	165	-	-	-	-	38,636	38,636
Kipling Station Improvements	13,392	222	-	-	-	-	-	-	-	-	-	222	13,614
Other Bldgs & Structures Projects		18,986	11,433	9,448	4,494	4,572	7,653	400	400	400	400	58,186	58,186
Other Service Planning		9,923	12,373	10,193	8,010	1,760	1,760	1,760	1,760	1,760	1,760	51,059	51,059
Power Dist./Electric Systems - Various		210	220	220	230	194	204	204	262	400	400	2,544	2,544
Purchase of Rail Non-Revenue Vehicle		8,058	-	-	-	-	-	-	-	-	-	8,058	8,058
Purchases of Buses		139,121	-	15,087	-	-	-	-	-	-	-	154,208	154,208
Subway Track		210	1,623	152	100	-	-	-	-	-	-	2,085	2,085
Surface Track		11,020	16,881	-	-	-	-	-	-	-	-	27,901	27,901
Sub-Total	14,242	200,668	57,397	46,189	15,081	6,975	9,782	2,364	2,422	2,560	2,560	345,998	360,240
Growth Related													
Automotive Non-Revenue Vehicles		2,413	1,729	1,200	1,822	1,792	789	921	1,426	1,470	835	14,397	14,397
Fare System	44,302	17,280	2,000	-	-	-	-	-	-	-	-	19,280	63,582
McNicoll Bus Garage Facility	181,000	46,000	52,815	22,866	-	-	-	-	-	-	-	121,681	302,681
Other Bldgs & Structures Projects		46,910	4,700	3,100	-	-	25,000	-	-	-	-	79,710	79,710
Other Service Planning		600	600	601	-	-	-	-	-	-	-	1,801	1,801
Line 4	968,856	3,705	-	-	-	-	-	-	-	-	-	3,705	972,561
Sub-Total	1,194,158	116,908	61,844	27,767	1,822	1,792	25,789	921	1,426	1,470	835	240,574	1,434,732
Total Expenditures by Category (including carry forward from 2018)													
	3,111,690	1,490,008	1,199,172	805,104	599,103	411,492	416,070	359,571	397,020	395,607	380,085	6,453,232	9,564,922

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By											
Sub-Project No.	Project Name	Ward	Stat.	Cat.						Total	Total	Total	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Total Financing	
Priority	SubProj No.	Sub-project Name				2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028										
TTC000230 Communications - Various																							
0	13	TEU In-Car Camera & Video Mgmt Sys HS	CW	S4	01	169	0	0	0	0	169	0	169	0	0	169	0	0	0	0	0	0	169
Sub-total						14,682	11,452	11,769	7,313	7,611	52,827	36,496	89,323	21,225	39,150	1,961	0	0	0	0	0	26,987	89,323
TTC000240 Signal Systems - Various																							
1	1	Signal Systems - SOGR	CW	S2	03	12,298	17,574	14,154	3,418	3,261	50,705	6,514	57,219	3,916	8,813	0	3,637	0	0	0	40,853	57,219	
1	4	Signal Systems - SOGR	CW	S5	03	0	0	135	5,679	0	5,814	3,648	9,462	3,090	3,527	0	0	0	0	0	2,845	9,462	
Sub-total						12,298	17,574	14,289	9,097	3,261	56,519	10,162	66,681	7,006	12,340	0	3,637	0	0	0	0	43,698	66,681
TTC000310 Finishes - Various																							
1	1	Finishes - SOGR	CW	S2	03	15,919	12,607	2,312	0	0	30,838	0	30,838	11,653	15,297	0	0	0	0	0	3,888	30,838	
1	5	Finishes - SOGR	CW	S5	03	0	9,637	17,565	21,199	12,815	61,216	36,156	97,372	39,349	45,911	0	0	0	0	0	12,112	97,372	
0	10	Station Tactile Wayfinding Upgrade	CW	S4	04	906	1,813	0	0	0	2,719	0	2,719	0	2,719	0	0	0	0	0	0	2,719	
0	13	Platform Edge Tile Replacement	CW	S5	01	2,404	2,431	0	0	0	4,835	0	4,835	0	2,404	0	0	0	0	0	2,431	4,835	
Sub-total						19,229	26,488	19,877	21,199	12,815	99,608	36,156	135,764	51,002	66,331	0	0	0	0	0	0	18,431	135,764
TTC000320 Equipment - Various																							
1	1	Equipment - SOGR	CW	S2	03	26,047	33,623	26,332	4,829	0	90,831	0	90,831	40,724	39,982	6,079	0	0	0	0	4,046	90,831	
1	3	Equipment - Legislated	CW	S2	02	560	491	1,117	1,029	339	3,536	1,118	4,654	868	589	2,637	0	0	0	0	560	4,654	
1	8	Equipment -SOGRS	CW	S5	03	0	0	1,964	9,031	13,650	24,645	66,232	90,877	33,600	47,993	8,470	0	0	0	0	814	90,877	
0	12	Equipment - Legislated	CW	S3	02	0	350	0	0	0	350	0	350	0	0	350	0	0	0	0	0	350	
Sub-total						26,607	34,464	29,413	14,889	13,989	119,362	67,350	186,712	75,192	88,564	17,536	0	0	0	0	0	5,420	186,712
TTC000330 Yards and Roads - Various																							
1	1	Yards and Roads - Legislated	CW	S2	02	1,124	5,785	13,850	10,498	0	31,257	0	31,257	0	0	6,909	0	0	0	0	24,348	31,257	
0	8	Yards and Roads - Legislated	CW	S3	02	0	0	-13,850	-10,498	0	-24,348	0	-24,348	0	0	0	0	0	0	0	-24,348	-24,348	
Sub-total						1,124	5,785	0	0	0	6,909	0	6,909	0	0	6,909	0	0	0	0	0	0	6,909
TTC000333 On-Grade Paving Rehabilitation																							
1	1	On-Grade Paving Rehabilitation - SOGR	CW	S2	03	6,583	4,715	0	0	0	11,298	0	11,298	0	10,715	0	0	0	0	0	583	11,298	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By										
Sub-Project No.	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 - Recoverable	Total Financing	
TTC000333 On-Grade Paving Rehabilitation																							
1	4	On-Grade Paving Rehabilitation - SOGR	CW	S5	03	0	9,417	16,281	17,046	10,624	53,368	50,203	103,571	19,280	57,666	0	0	0	0	0	26,625	0	103,571
Sub-total						6,583	14,132	16,281	17,046	10,624	64,666	50,203	114,869	19,280	68,381	0	0	0	0	0	27,208	0	114,869
TTC000340 Bridges and Tunnels - Various																							
1	1	Bridges and Tunnels - SOGR	CW	S2	03	31,275	16,469	0	0	0	47,744	0	47,744	0	25,423	0	18,887	0	0	0	3,434	0	47,744
1	4	Bridges and Tunnels - SOGR	CW	S5	03	0	17,708	34,464	32,721	36,958	121,851	181,962	303,813	101,124	153,297	0	0	0	0	0	49,392	0	303,813
0	5	Culverts & East Don River Bridget PFC	CW	S4	03	655	1,475	7,870	0	0	10,000	0	10,000	245	655	0	0	0	0	0	9,100	0	10,000
Sub-total						31,930	35,652	42,334	32,721	36,958	179,595	181,962	361,557	101,369	179,375	0	18,887	0	0	0	61,926	0	361,557
TTC000377 Queensway Bus Garage Renovations																							
1	3	Queensway Bus Garage Renovations - SOGR	CW	S2	03	0	0	131	0	0	131	0	131	0	0	0	0	0	0	0	131	0	131
Sub-total						0	0	131	0	0	131	0	131	0	0	0	0	0	0	0	131	0	131
TTC000379 Fire Ventilation Upgrade																							
1	1	Fire Ventilation Upgrade - SOGR	CW	S2	03	17,764	33,221	45,092	1,744	0	97,821	0	97,821	15,636	9,401	0	14,644	0	0	0	58,140	0	97,821
0	5	Fire Ventilation Upgrade - SOGR	CW	S3	03	0	691	8,104	59,117	52,013	119,925	0	119,925	55,000	56,130	0	0	0	0	0	8,795	0	119,925
Sub-total						17,764	33,912	53,196	60,861	52,013	217,746	0	217,746	70,636	65,531	0	14,644	0	0	0	66,935	0	217,746
TTC000383 Easier Access Phase II & III																							
1	1	Easier Access Phase III - Legislated	CW	S2	02	58,414	70,592	82,405	96,492	66,151	374,054	57,003	431,057	166,484	201,697	5,597	0	0	0	0	57,279	0	431,057
1	4	Easier Access Phase III - Legislated	CW	S3	02	0	0	0	0	27,328	27,328	131,606	158,934	33,686	26,396	5,000	0	0	0	0	93,852	0	158,934
Sub-total						58,414	70,592	82,405	96,492	93,479	401,382	188,609	589,991	200,170	228,093	10,597	0	0	0	0	151,131	0	589,991
TTC000390 Other Bldgs & Structures Projects																							
1	1	Other Buildings & Structures Projects - SOGRS	CW	S2	03	69,686	183,006	0	0	0	252,692	0	252,692	40,246	14,611	35,157	13,220	0	0	0	149,458	0	252,692
2	3	Other bldgs & structures projects - Expansion	CW	S3	05	43,191	4,700	3,100	0	0	50,991	25,000	75,991	0	0	5,668	0	0	0	0	70,323	0	75,991
3	4	Other bldgs & structures projects - Expansion	CW	S2	05	3,719	0	0	0	0	3,719	0	3,719	0	0	0	0	0	0	0	3,719	0	3,719
1	5	Other Buildings and Structures - Legislated	CW	S2	02	12,875	13,736	22,583	4,229	3,566	56,989	3,688	60,677	9,644	7,254	17,168	0	0	0	0	26,611	0	60,677
0	17	Other Bldgs-Structures - SOGR	CW	S5	03	0	87,106	28,441	9,854	2,456	127,857	13,836	141,693	0	13,835	12,309	0	0	0	0	115,549	0	141,693
0	20	Other Buildings & Structure - Improvement	CW	S2	04	18,986	11,433	9,448	4,494	4,572	48,933	2,682	51,615	9,711	18,520	4,398	18,986	0	0	0	0	0	51,615

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By									
Sub-Project No.	Project Name	Ward	Stat.	Cat.		Total	Total	Total	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable	Total Financing			
Priority	SubProj No.	Sub-project Name				2019	2020	2021	2022	2023	2019-2023	2024-2028	2019-2028								
TTC000610 Environmental Programs																					
1	4	Environmental Programs - Legislated	CW	S5	02	0	0	5,292	4,210	3,805	13,307	18,876	32,183	8,411	16,298	0	0	0	0	7,474	32,183
0	6	Safety Program	CW	S4	01	10,000	20,000	20,000	0	0	50,000	0	50,000	0	0	0	0	0	0	50,000	50,000
Sub-total						18,567	28,017	30,469	4,210	3,805	85,068	18,876	103,944	8,411	16,298	0	0	0	0	79,235	103,944
TTC000710 Information Technology System-Infrastructure																					
1	1	Information Tech. System-Infrastructure - SOGR	CW	S2	03	69,156	0	0	0	0	69,156	0	69,156	0	1,801	0	0	0	15,720	51,635	69,156
0	7	Computer Equipment & Software - SOGR	CW	S5	03	13,304	55,520	8,405	6,118	9,402	92,749	59,090	151,839	6,673	0	0	0	0	74,219	70,947	151,839
1	8	Information Tech. Systems-Infrastructure SI	CW	S4	04	11,632	13,054	11,089	2,247	449	38,471	165	38,636	614	0	0	0	0	26,390	11,632	38,636
Sub-total						94,092	68,574	19,494	8,365	9,851	200,376	59,255	259,631	7,287	1,801	0	0	0	116,330	134,213	259,631
TTC000910 Furniture & Office Equipment																					
1	1	Furniture & Office Equipment - SOGR	CW	S2	03	170	444	51	0	0	665	0	665	0	0	0	0	0	665	0	665
1	6	Furniture & Office Equipment - SOGR	CW	S5	03	0	0	225	154	320	699	1,054	1,753	0	0	0	0	0	1,753	0	1,753
Sub-total						170	444	276	154	320	1,364	1,054	2,418	0	0	0	0	0	2,418	0	2,418
TTC000920 Other Service Planning																					
3	1	Other Service Planning - Improvement	CW	S2	04	9,923	8,625	3,276	0	0	21,824	0	21,824	0	2,102	7,896	0	0	0	11,826	21,824
3	5	Other Service Planning - Improvement	CW	S5	04	0	3,748	6,917	8,010	1,760	20,435	8,800	29,235	2,504	0	13,593	0	0	0	13,138	29,235
0	7	Other Service Planning - Legislated	CW	S2	02	100	3,644	2,856	2,856	2,854	12,310	1,158	13,468	0	0	9,724	0	0	0	3,744	13,468
0	8	Other Service Planning - Legis	CW	S3	02	0	0	0	0	0	0	4,500	4,500	0	0	4,500	0	0	0	0	4,500
0	9	Other Service Planning Expansion	CW	S2	05	600	600	601	0	0	1,801	0	1,801	0	0	601	0	0	0	1,200	1,801
0	10	Other Service Planning - SOGR	CW	S3	03	100	2,458	-2,778	-3,434	517	-3,137	0	-3,137	0	0	617	0	0	0	-3,754	-3,137
Sub-total						10,723	19,075	10,872	7,432	5,131	53,233	14,458	67,691	2,504	2,102	36,931	0	0	0	26,154	67,691
TTC000921 Transit Shelters & Loops																					
0	4	Transit Shelters & Loops - SOGR	CW	S2	03	294	385	222	3	0	904	0	904	0	0	0	0	0	0	904	904
0	6	Transit Shelter & Loops SOGR	CW	S6	03	0	0	241	460	463	1,164	2,315	3,479	612	0	1,472	0	0	0	1,395	3,479
Sub-total						294	385	463	463	463	2,068	2,315	4,383	612	0	1,472	0	0	0	2,299	4,383
TTC906010 Purchase of Streetcars																					

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

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														
						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 - Recoverable Debt	Total Financing			
TTC906010 Purchase of Streetcars																										
0	2	Purchase of Streetcars - SOGR	CW	S2	03	331,651	35,265	0	0	0	366,916	0	366,916	111,187	135,527	71,868	13,581	0	0	0	0	34,753	0	366,916		
Sub-total						331,651	35,265	0	0	0	366,916	0	366,916	111,187	135,527	71,868	13,581	0	0	0	0	34,753	0	366,916		
TTC906365 Purchase of Rail Non-Revenue Vehicle																										
1	1	Purchase of Rail Non-Revenue Vehicle - SOGR	CW	S2	03	9,483	9,602	9,137	8,090	1,090	37,402	0	37,402	4,830	693	0	0	0	0	0	0	0	31,879	0	37,402	
1	3	Purchase of Rail Non-Revenue Vehicle - Improvement	CW	S2	04	8,058	0	0	0	0	8,058	0	8,058	0	0	0	0	0	0	0	0	0	8,058	0	8,058	
0	6	Purchase of Rail Non-Revenue Vehicle - SOGR	CW	S3	03	0	0	0	0	104	104	0	104	0	0	0	0	0	0	0	0	0	104	0	104	
Sub-total						17,541	9,602	9,137	8,090	1,194	45,564	0	45,564	4,830	693	0	0	0	0	0	0	0	0	40,041	0	45,564
TTC907198 Kipling Station Improvements																										
0	1	Kipling Station - Improvements	05	S2	04	222	0	0	0	0	222	0	222	0	0	0	0	0	0	0	0	0	222	0	222	
Sub-total						222	0	0	0	0	222	0	222	0	0	0	0	0	0	0	0	0	0	222	0	222
TTC907743 ATC Resignalling																										
0	1	ATC YUS Resignalling - SOGR	CW	S2	03	65,000	44,543	8,030	0	0	117,573	0	117,573	0	0	63,079	6,000	0	0	0	0	0	48,494	0	117,573	
0	2	ATC BD Resignalling - SOGR	CW	S2	03	200	200	7,572	0	0	7,972	0	7,972	0	0	7,972	0	0	0	0	0	0	0	0	7,972	
0	3	ATC YUS Resignalling - SOGR	CW	S3	03	0	20,457	56,970	20,000	0	97,427	0	97,427	0	0	48,398	0	0	0	0	0	0	0	49,029	0	97,427
Sub-total						65,200	65,200	72,572	20,000	0	222,972	0	222,972	0	0	119,449	6,000	0	0	0	0	0	0	97,523	0	222,972
TTC907744 Fare System																										
0	1	Fare System - SOGR	CW	S2	03	125	0	0	0	0	125	0	125	0	0	0	0	0	0	0	0	0	125	0	125	
0	2	Fare System - Expansion	CW	S2	05	1,742	0	0	0	0	1,742	0	1,742	0	0	0	0	0	0	0	0	0	1,742	0	1,742	
0	3	Fare System - Expansion - Scope Change	CW	S3	05	15,538	2,000	0	0	0	17,538	0	17,538	0	0	16,280	0	0	0	0	0	0	1,258	0	17,538	
0	4	Fare System SOGR	CW	S3	03	0	400	0	0	0	400	0	400	0	0	0	0	0	0	0	0	0	400	0	400	
Sub-total						17,405	2,400	0	0	0	19,805	0	19,805	0	0	16,280	0	0	0	0	0	0	0	3,525	0	19,805
TTC907749 Leslie Barns Streetcar Maint. & Storage Facility																										
1	1	Leslie Barns Streetcar Main. & Storage Facility	CW	S2	03	3,559	1,350	0	0	0	4,909	0	4,909	0	0	1,350	0	0	0	0	0	0	3,559	0	4,909	
Sub-total						3,559	1,350	0	0	0	4,909	0	4,909	0	0	1,350	0	0	0	0	0	0	0	3,559	0	4,909
TTC907750 Toronto Rocket Yard & Storage Track Accommod.																										
1	1	Toronto Rocket Yard - Storage Track Accommodation	CW	S2	03	34,555	75,497	69,273	46,645	12,450	238,420	3,404	241,824	135,641	59,682	26,177	3,742	0	0	0	0	0	16,582	0	241,824	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

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													
						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 - Recoverable Debt	Total Financing		
<u>TTC907750 Toronto Rocket Yard & Storage Track Accommod:</u>																									
0	2	Toronto Rocket Yard Storage Track Accom. Scope Cha	CW	S3	03	0	0	0	0	0	0	2,261	2,261	0	0	0	0	0	0	0	2,261	0	2,261		
Sub-total						34,555	75,497	69,273	46,645	12,450	238,420	5,665	244,085	135,641	59,682	26,177	3,742	0	0	0	0	18,843	0	244,085	
<u>TTC908032 McNicoll Bus Garage Facility</u>																									
0	1	McNicoll Bus Garage Facility - Growth	20	S2	05	46,000	52,815	22,866	0	0	121,681	0	121,681	0	0	17,347	32,174	0	0	0	0	72,160	0	121,681	
Sub-total						46,000	52,815	22,866	0	0	121,681	0	121,681	0	0	17,347	32,174	0	0	0	0	72,160	0	121,681	
<u>TTC908359 Bicycle Parking at Stations</u>																									
0	1	Bicycle Parking at Stations	CW	S2	04	90	0	0	0	0	90	0	90	0	0	0	0	0	0	0	0	90	0	90	
0	2	Bicycle Parking at Stations	CW	S3	04	215	0	0	0	0	215	0	215	0	172	0	0	0	0	0	0	43	0	215	
Sub-total						305	0	0	0	0	305	0	305	0	172	0	0	0	0	0	0	0	133	0	305
<u>TTS000392 Line 4</u>																									
4	1	Line 4 - Expansion	CW	S2	05	3,705	0	0	0	0	3,705	0	3,705	0	0	0	0	0	0	0	0	3,705	0	3,705	
Sub-total						3,705	0	0	0	0	3,705	0	3,705	0	0	0	0	0	0	0	0	0	3,705	0	3,705
Total Program Expenditure						1,490,008	1,199,172	805,104	599,103	411,492	4,504,879	1,948,353	6,453,232	1,543,199	1,951,622	663,700	184,385	0	0	149,224	0,961,102	0	6,453,232		

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission						Current and Future Year Cash Flow Commitments and Estimates						Current and Future Year Cash Flow Commitments and Estimates Financed By											
Sub-Project No.	Project Name	Ward	Stat.	Cat.	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 - Recoverable Debt	Total Financing	
Financed By:																							
Provincial Grants & Subsidies					214,972	214,785	206,754	222,129	177,733	1,036,372	506,827	1,543,199	1,543,199	0	0	0	0	0	0	0	0	0	1,543,199
Federal Subsidy					344,018	169,098	174,135	174,135	181,706	1,043,092	908,530	1,951,622	0	1,951,622	0	0	0	0	0	0	0	0	1,951,622
Development Charges					224,975	180,337	139,382	46,735	26,678	618,107	45,593	663,700	0	0	663,700	0	0	0	0	0	0	0	663,700
Reserves (Ind. "XQ" Ref.)					146,805	37,580	0	0	0	184,385	0	184,385	0	0	0	184,385	0	0	0	0	0	0	184,385
Other1 (Internal)					25,738	25,346	23,043	9,897	10,493	94,517	54,707	149,224	0	0	0	0	0	0	149,224	0	0	0	149,224
Debt					533,501	572,026	261,790	146,208	14,882	1,528,406	432,696	1,961,102	0	0	0	0	0	0	0	0	0,961,102	0	1,961,102
Total Program Financing					1,490,008	1,199,172	805,104	599,103	411,492	4,504,879	1,948,353	6,453,232	1,543,199	1,951,622	663,700	184,385	0	0	149,224	0,961,102	0	6,453,232	

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)
S6	S6 New - Future Year (Commencing in 2020 & 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 8

2019 Cash Flow and Future Year Commitments Including Carry Forward Funding

(In \$000s)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total 2019 Cash Flow & FY Commits
Expenditures:											
Previously Approved											
ATC Resignalling	65,200	44,743	15,602	-	-	-	-	-	-	-	125,545
Automotive Non-Revenue Vehicles	2,413	2,489	288	488	588	-	-	-	-	-	6,266
Bicycle Parking at Stations	90	-	-	-	-	-	-	-	-	-	90
Bridges and Tunnels - Various	31,275	16,469	-	-	-	-	-	-	-	-	47,744
Bus Overhaul Program	40,118	2,121	-	-	-	-	-	-	-	-	42,239
Communications - Various	14,513	11,452	11,769	7,062	7,611	5,518	5,581	883	-	-	64,389
Easier Access Phase II & III	58,414	70,592	82,405	96,492	66,151	54,960	2,043	-	-	-	431,057
Environmental Programs	8,567	8,017	5,177	-	-	-	-	-	-	-	21,761
Equipment - Various	26,607	34,114	27,449	5,858	339	250	250	250	368	-	95,485
Fare Handling Equipment	1,000	-	-	-	-	-	-	-	-	-	1,000
Fare System	1,867	-	-	-	-	-	-	-	-	-	1,867
Finishes - Various	15,919	12,607	2,312	-	-	-	-	-	-	-	30,838
Fire Ventilation Upgrade	17,764	33,221	45,092	1,744	-	-	-	-	-	-	97,821
Furniture & Office Equipment	170	444	51	-	-	-	-	-	-	-	665
Information Technology System-Infrastructure	69,156	-	-	-	-	-	-	-	-	-	69,156
Kipling Station Improvements	222	-	-	-	-	-	-	-	-	-	222
Leslie Bams Streetcar Maint.& Storage Facility	3,559	1,350	-	-	-	-	-	-	-	-	4,909
McNicoll Bus Garage Facility	46,000	52,815	22,866	-	-	-	-	-	-	-	121,681
On-Grade Paving Rehabilitation	6,583	4,715	-	-	-	-	-	-	-	-	11,298
Other Bldgs & Structures Projects	105,266	208,175	32,031	8,723	8,138	3,077	335	553	2,246	159	368,703
Other Maintenance Equipment	3,123	863	734	772	736	724	733	742	758	-	9,185
Other Service Planning	10,623	12,869	6,733	2,856	2,854	1,158	-	-	-	-	37,093
Power Dist./Electric Systems - Various	7,339	7,749	-	-	-	-	-	-	-	-	15,088
Purchase of 360 Wheel-Trans Vehicles	7,601	-	-	-	-	-	-	-	-	-	7,601
Purchase of Rail Non-Revenue Vehicle	17,541	9,602	9,137	8,090	1,090	-	-	-	-	-	45,460
Purchase of Streetcars	331,651	35,265	-	-	-	-	-	-	-	-	366,916
Purchase of Subway Cars	2,406	7,449	3,800	-	-	-	-	-	-	-	13,655
Purchases of Buses	321,785	86,556	31,359	-	-	-	-	-	-	-	439,700
Queensway Bus Garage Renovations	-	-	131	-	-	-	-	-	-	-	131
Rail Non-Revenue Vehicle Overhaul	3,146	4,270	5,809	1,200	-	-	-	-	-	-	14,425
Signal Systems - Various	12,298	17,574	14,154	3,418	3,261	3,078	1,688	1,748	-	-	57,219
Streetcar Overhaul Program	3,674	3,014	4,956	9,203	9,258	9,069	9,578	13,067	9,895	-	71,714
Subway Car Overhaul Program	28,469	24,193	22,402	14,727	9,752	46,085	24,869	17,153	9,015	-	196,665
Subway Track	18,762	36,893	3,949	100	-	-	-	-	-	-	59,704
Surface Track	38,816	34,063	24,450	21,568	15,937	-	-	-	-	-	134,834
Tools and Shop Equipment	5,011	1,978	1,974	818	-	-	-	-	-	-	9,781
Toronto Rocket Yard & Storage Track Accommoda	34,555	75,497	69,273	46,645	12,450	3,404	-	-	-	-	241,824
Traction Power - Various	17,255	7,269	-	-	-	-	-	-	-	-	24,524
Transit Shelters & Loops	294	385	222	3	-	-	-	-	-	-	904
Yards and Roads - Various	1,124	5,785	13,850	10,498	-	-	-	-	-	-	31,257
Line 4	3,705	-	-	-	-	-	-	-	-	-	3,705
Subtotal	1,383,881	874,598	457,975	240,265	138,165	127,323	45,077	34,396	22,282	159	3,324,121
Change in Scope											
ATC Resignalling	-	20,457	56,970	20,000	-	-	-	-	-	-	97,427
Bicycle Parking at Stations	215	-	-	-	-	-	-	-	-	-	215
Easier Access Phase II & III	-	-	-	-	27,328	28,286	67,688	35,632	-	-	158,934
Equipment - Various	-	350	-	-	-	-	-	-	-	-	350
Fare System	15,538	2,400	-	-	-	-	-	-	-	-	17,938
Fire Ventilation Upgrade	-	691	8,104	59,117	52,013	-	-	-	-	-	119,925
Other Bldgs & Structures Projects	43,191	4,700	3,100	-	-	25,000	-	-	-	-	75,991
Other Service Planning	100	2,458	(2,778)	(3,434)	517	1,691	2,809	-	-	-	1,363
Purchase of Rail Non-Revenue Vehicle	-	-	-	-	104	-	-	-	-	-	104
Streetcar Overhaul Program	-	-	-	-	-	347	-	-	-	10,109	10,456
Subway Car Overhaul Program	5,372	2,128	-	-	-	-	21,869	92,785	109,052	128,941	360,147
Toronto Rocket Yard & Storage Track Accommoda	-	-	-	-	-	2,261	-	-	-	-	2,261
Yards and Roads - Various	-	-	(13,850)	(10,498)	-	-	-	-	-	-	(24,348)
Subtotal	64,416	33,184	51,546	65,185	79,962	57,585	92,366	128,417	109,052	139,050	820,763
New w/Future Year											
Bridges and Tunnels - Various	655	10,150	7,870	-	-	-	-	-	-	-	18,675
Bus Overhaul Program	-	42,969	6,577	-	-	-	-	-	-	-	49,546
Communications - Various	169	-	-	-	-	-	-	-	-	-	169
Environmental Programs	10,000	20,000	23,047	-	-	-	-	-	-	-	53,047
Equipment - Various	-	-	1,964	205	-	-	-	-	-	-	2,169
Fare Handling Equipment	175	350	350	350	350	400	400	400	400	175	3,350
Finishes - Various	3,310	13,881	9,988	-	-	-	-	-	-	-	27,179
Information Technology System-Infrastructure	24,936	33,566	11,089	2,247	449	165	-	-	-	-	72,452
On-Grade Paving Rehabilitation	-	9,417	9,426	-	-	-	-	-	-	-	18,843
Other Bldgs & Structures Projects	2,438	95,395	43,781	22,133	20,219	25,802	10,034	2,878	2,171	3,532	228,383
Other Service Planning	-	3,748	6,917	2,501	-	-	-	-	-	-	13,166
Power Dist./Electric Systems - Various	-	1,555	4,435	-	-	-	-	-	-	-	5,990
Purchase of 360 Wheel-Trans Vehicles	28	2,003	-	-	-	-	-	-	-	-	2,031
Rail Non-Revenue Vehicle Overhaul	-	-	763	-	-	-	-	-	-	-	763
Traction Power - Various	-	10,528	1,712	-	-	-	-	-	-	-	12,240
Subtotal	41,711	243,562	127,919	27,436	21,018	26,367	10,434	3,278	2,571	3,707	508,003
Total Expenditure (including carry forward from 2018)	1,490,008	1,151,344	637,440	332,886	239,145	211,275	147,877	166,091	133,905	142,916	4,652,887
Financing:											
Debt/CFC	533,501	542,471	231,093	39,046	13,258	62,170	42,127	95,770	13,331	73,707	1,646,475
Other	25,738	19,078	13,791	3,867	1,131	886	521	528	531	175	66,246
Reserves/Res Funds	146,805	35,366	-	-	-	-	-	-	-	-	182,171
Development Charges	224,975	179,579	138,988	35,853	23,049	20,305	3,421	614	627	-	627,411
Provincial/Federal	558,990	374,850	253,568	254,119	201,707	127,915	101,808	69,178	119,416	69,034	2,130,584
Total Financing	1,490,008	1,151,344	637,440	332,886	239,145	211,275	147,877	166,091	133,905	142,916	4,652,887

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
Sub-Project No.	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 - Recoverable	Total Financing		
TTC000414 Purchases of Buses																								
1	1	Purchase of Buses - SOGR	CW	S2	03	182,664	86,556	16,272	0	0	285,492	0	285,492	0	118,699	75,464	0	0	0	0	91,329	0	285,492	
0	6	Purchase of Buses - SI	CW	S2	04	139,121	0	15,087	0	0	154,208	0	154,208	0	0	113,692	0	0	0	0	40,516	0	154,208	
Sub-total						321,785	86,556	31,359	0	0	439,700	0	439,700	0	118,699	189,156	0	0	0	0	131,845	0	439,700	
TTC000415 Purchase of 360 Wheel-Trans Vehicles																								
1	1	Replacement Wheel-Trans Vehicles	CW	S2	03	7,601	0	0	0	0	7,601	0	7,601	0	4,854	0	0	0	0	0	2,747	0	7,601	
1	3	Purchase of 360 Wheel-Trans Vehicle	CW	S5	03	28	2,003	0	0	0	2,031	0	2,031	0	0	0	0	0	0	0	2,031	0	2,031	
Sub-total						7,629	2,003	0	0	0	9,632	0	9,632	0	4,854	0	0	0	0	0	0	4,778	0	9,632
TTC000421 Purchase of Subway Cars																								
1	1	Purchase of Subway Cars	CW	S2	03	2,406	7,449	3,800	0	0	13,655	0	13,655	0	0	11,249	0	0	0	0	2,406	0	13,655	
Sub-total						2,406	7,449	3,800	0	0	13,655	0	13,655	0	0	11,249	0	0	0	0	0	2,406	0	13,655
TTC000432 Bus Overhaul Program																								
1	1	Bus Overhaul Program - SOGR	CW	S2	03	40,118	2,121	0	0	0	42,239	0	42,239	0	18,126	0	0	0	0	0	24,113	0	42,239	
1	5	Bus Overhaul Program - SOGR	CW	S5	03	0	42,969	6,577	0	0	49,546	0	49,546	49,131	413	0	0	0	0	0	2	0	49,546	
Sub-total						40,118	45,090	6,577	0	0	91,785	0	91,785	49,131	18,539	0	0	0	0	0	0	24,115	0	91,785
TTC000450 Streetcar Overhaul Program																								
1	1	Streetcar Overhaul Program - SOGR	CW	S2	03	3,674	3,014	4,956	9,203	9,258	30,105	41,609	71,714	11,619	36,113	0	0	0	0	0	23,982	0	71,714	
1	3	Streetcar Overhaul Program - SOGR Scope Change	CW	S3	03	0	0	0	0	0	0	10,456	10,456	1,065	7,989	0	0	0	0	0	1,402	0	10,456	
Sub-total						3,674	3,014	4,956	9,203	9,258	30,105	52,065	82,170	12,684	44,102	0	0	0	0	0	0	25,384	0	82,170
TTC000460 Subway Car Overhaul Program																								
1	1	Subway Car Overhaul Program - SOGR	CW	S2	03	28,469	24,193	22,402	14,727	9,752	99,543	97,122	196,665	46,300	109,445	0	7,650	0	0	0	33,270	0	196,665	
1	4	Subway Car Overhaul Program - SOGR	CW	S3	03	0	0	0	0	0	352,647	352,647	46,312	147,373	0	0	0	0	0	0	158,962	0	352,647	
0	7	Subway Car Overhaul Legislated	CW	S3	02	5,372	2,128	0	0	0	7,500	0	7,500	0	0	0	5,372	0	0	0	2,128	0	7,500	
Sub-total						33,841	26,321	22,402	14,727	9,752	107,043	449,769	556,812	92,612	256,818	0	13,022	0	0	0	0	194,360	0	556,812
TTC000470 Automotive Non-Revenue Vehicles																								
1	1	Automotive Non-Revenue Vehicles - SOGR	CW	S2	03	0	799	288	488	588	2,163	0	2,163	0	0	272	0	0	0	1,891	0	0	2,163	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

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													
						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 - Recoverable Debt	Total Financing		
TTC000470 Automotive Non-Revenue Vehicles																									
0	6	Automotive Non-Revenue Vehicle Additions	CW	S2	05	2,413	1,690	0	0	0	4,103	0	4,103	0	0	0	0	0	0	4,103	0	0	0	4,103	
Sub-total						2,413	2,489	288	488	588	6,266	0	6,266	0	0	272	0	0	0	5,994	0	0	0	6,266	
TTC000480 Rail Non-Revenue Vehicle Overhaul																									
1	1	Rail Non-Revenue Vehicle Overhaul - SOGR	CW	S2	03	3,146	4,270	5,809	1,200	0	14,425	0	14,425	0	644	0	0	0	0	0	13,781	0	0	14,425	
1	9	Rail Non-Revenue Vehicle Overhaul	CW	S5	03	0	0	763	0	0	763	0	763	0	0	0	0	0	0	0	763	0	0	763	
Sub-total						3,146	4,270	6,572	1,200	0	15,188	0	15,188	0	644	0	0	0	0	0	14,544	0	0	0	15,188
TTC000510 Tools and Shop Equipment																									
1	1	Tools and Shop Equipment - SOGR	CW	S2	03	5,011	1,978	1,974	818	0	9,781	0	9,781	0	0	0	0	0	0	9,782	0	-1	0	9,781	
Sub-total						5,011	1,978	1,974	818	0	9,781	0	9,781	0	0	0	0	0	0	9,782	0	-1	0	9,781	
TTC000520 Fare Handling Equipment																									
1	1	Fare Handling Equipment - SOGR	CW	S2	03	1,000	0	0	0	0	1,000	0	1,000	0	0	0	0	0	0	0	1,000	0	0	1,000	
1	7	Fare Handling Equipment - SOGR	CW	S5	03	175	350	350	350	350	1,575	1,775	3,350	0	0	800	0	0	0	2,550	0	0	0	3,350	
Sub-total						1,175	350	350	350	350	2,575	1,775	4,350	0	0	800	0	0	0	2,550	0	1,000	0	0	4,350
TTC000530 Other Maintenance Equipment																									
1	1	Other Maintenance Equipment - SOGR S2	CW	S2	03	3,123	863	734	772	736	6,228	2,957	9,185	0	0	4,039	0	0	0	5,146	0	1	0	9,185	
Sub-total						3,123	863	734	772	736	6,228	2,957	9,185	0	0	4,039	0	0	0	5,146	0	1	0	0	9,185
TTC000610 Environmental Programs																									
2	1	Environmental Programs - Legislated	CW	S2	02	8,567	8,017	5,177	0	0	21,761	0	21,761	0	0	0	0	0	0	0	21,761	0	0	21,761	
1	4	Environmental Programs - Legislated	CW	S5	02	0	0	3,047	0	0	3,047	0	3,047	0	0	0	0	0	0	0	3,047	0	0	3,047	
0	6	Safety Program	CW	S4	01	10,000	20,000	20,000	0	0	50,000	0	50,000	0	0	0	0	0	0	0	50,000	0	0	50,000	
Sub-total						18,567	28,017	28,224	0	0	74,808	0	74,808	0	0	0	0	0	0	0	74,808	0	0	0	74,808
TTC000710 Information Technology System-Infrastructure																									
1	1	Information Tech. System-Infrastructure - SOGR	CW	S2	03	69,156	0	0	0	0	69,156	0	69,156	0	1,801	0	0	0	0	15,720	0	51,635	0	69,156	
0	7	Computer Equipment & Software - SOGR	CW	S5	03	13,304	20,512	0	0	0	33,816	0	33,816	0	0	0	0	0	0	0	33,816	0	0	33,816	
1	8	Information Tech. Systems-Infrastructure SI	CW	S4	04	11,632	13,054	11,089	2,247	449	38,471	165	38,636	614	0	0	0	0	0	26,390	0	11,632	0	38,636	
Sub-total						94,092	33,566	11,089	2,247	449	141,443	165	141,608	614	1,801	0	0	0	0	42,110	0	97,083	0	0	141,608

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

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												
						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 - Recoverable Debt	Total Financing	
<u>TTS000392 Line 4</u>																								
4	1	Line 4 - Expansion	CW	S2	05	3,705	0	0	0	0	3,705	0	3,705	0	0	0	0	0	0	0	0	3,705	0	3,705
Sub-total						3,705	0	0	0	0	3,705	0	3,705	0	0	0	0	0	0	0	0	3,705	0	3,705
Total Program Expenditure						1,490,008	1,151,344	637,440	332,886	239,145	3,850,823	802,064	4,652,887	881,166	1,249,418	627,411	182,171	0	0	66,246	0,646,475	0	4,652,887	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

Toronto Transit Commission

		Current and Future Year Cash Flow Commitments and Estimates									Current and Future Year Cash Flow Commitments and Estimates Financed By															
		2019	2020	2021	2022	2023	Total 2019-2023	Total 2024-2028	Total 2019-2028	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:																										
		Provincial Grants & Subsidies				214,972	206,637	123,615	143,176	90,180	778,579	102,587	881,166	881,166	0	0	0	0	0	0	0	0	0	0	0	881,166
		Federal Subsidy				344,018	168,213	129,953	110,944	111,527	864,655	384,763	1,249,418	0	1,249,418	0	0	0	0	0	0	0	0	0	0	1,249,418
		Development Charges				224,975	179,579	138,988	35,853	23,049	602,444	24,967	627,411	0	0	627,411	0	0	0	0	0	0	0	0	0	627,411
		Reserves (Ind. "XQ" Ref.)				146,805	35,366	0	0	0	182,171	0	182,171	0	0	182,171	0	0	0	0	0	0	0	0	0	182,171
		Other1 (Internal)				25,738	19,078	13,791	3,867	1,131	63,605	2,641	66,246	0	0	0	0	0	0	66,246	0	0	0	0	0	66,246
		Debt				533,501	542,471	231,093	39,046	13,258	1,359,369	287,106	1,646,475	0	0	0	0	0	0	0	0	0	0	0	0	1,646,475
		Total Program Financing				1,490,008	1,151,344	637,440	332,886	239,145	3,850,823	802,064	4,652,887	881,166	1,249,418	627,411	182,171	0	0	66,246	0	0	0	0	0	4,652,887

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
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 9

2019 Capital Budget with Financing Detail

(Phase 2) 20-Toronto Transit Commission 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
Toronto Transit Commission
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2019	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>TTC906010</u>	<u>Purchase of Streetcars</u>													
0	2 Purchase of Streetcars - SOGR	11/18/2005	12/31/2020	331,651	105,023	135,527	42,767	13,581	0	0	0	0	34,753	0	
	Project Sub-total:			331,651	105,023	135,527	42,767	13,581	0	0	0	0	34,753	0	
0	<u>TTC907744</u>	<u>Fare System</u>													
0	1 Fare System - SOGR	09/29/2010	12/31/2018	125	0	0	0	0	0	0	0	0	125	0	
0	2 Fare System - Expansion	11/09/2010	12/31/2020	1,742	0	0	0	0	0	0	0	0	1,742	0	
0	3 Fare System - Expansion - Scope Change	01/01/2018	12/31/2018	15,538	0	0	14,280	0	0	0	0	0	1,258	0	
	Project Sub-total:			17,405	0	0	14,280	0	0	0	0	0	3,125	0	
0	<u>TTC908032</u>	<u>McNicoll Bus Garage Facility</u>													
0	1 McNicoll Bus Garage Facility - Growth	01/01/2013	12/31/2017	46,000	0	0	5,000	32,174	0	0	0	0	8,826	0	
	Project Sub-total:			46,000	0	0	5,000	32,174	0	0	0	0	8,826	0	
0	<u>TTC908359</u>	<u>Bicycle Parking at Stations</u>													
0	1 Bicycle Parking at Stations	07/31/2017	07/31/2017	90	0	0	0	0	0	0	0	0	90	0	
0	2 Bicycle Parking at Stations	06/25/2019	06/25/2020	215	0	172	0	0	0	0	0	0	43	0	
	Project Sub-total:			305	0	172	0	0	0	0	0	0	133	0	
1	<u>TTC000110</u>	<u>Subway Track</u>													
0	5 Subway Track Improvement	10/12/2006	12/31/2014	210	0	0	0	0	0	0	0	0	210	0	
1	1 Subway Track - SOGR	01/01/1996	12/31/2017	18,552	0	4,322	0	0	0	0	0	0	14,230	0	
	Project Sub-total:			18,762	0	4,322	0	0	0	0	0	0	14,440	0	
1	<u>TTC000120</u>	<u>Surface Track</u>													
0	3 Surface Track Improvement	10/17/2003	10/17/2016	11,020	0	0	750	10,270	0	0	0	0	0	0	
1	1 Surface Track - SOGR	01/01/1996	12/31/2016	27,796	6,388	2,876	1,776	3,922	0	0	0	0	12,834	0	
	Project Sub-total:			38,816	6,388	2,876	2,526	14,192	0	0	0	0	12,834	0	
1	<u>TTC000210</u>	<u>Traction Power - Various</u>													
1	1 Traction Power - SOGR	01/01/1996	12/31/2018	17,255	15,654	1,601	0	0	0	0	0	0	0	0	
	Project Sub-total:			17,255	15,654	1,601	0	0	0	0	0	0	0	0	
1	<u>TTC000220</u>	<u>Power Dist./Electric Systems - Various</u>													
0	3 Power Dist./Electric Systems - Improvement	01/01/2016	12/31/2016	210	0	0	0	0	0	0	0	0	210	0	
1	1 Power Dist./Electric Systems - SOGR	01/01/1996	12/31/2017	7,129	0	7,000	0	0	0	0	0	0	129	0	
	Project Sub-total:			7,339	0	7,000	0	0	0	0	0	0	339	0	
1	<u>TTC000230</u>	<u>Communications - Various</u>													
0	5 Communication -Improvement	10/27/2003	12/31/2014	75	0	0	75	0	0	0	0	0	0	0	



CITY OF TORONTO
Appendix 9: 2019 Capital Budget with Financing Detail
Toronto Transit Commission
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2019	Financing											
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable		
1	<u>TTC000230</u>	<u>Communications - Various</u>														
0	13 TEU In-Car Camera & Video Mgmt Sys HS	01/01/2019	12/31/2019	169	0	0	169	0	0	0	0	0	0	0	0	0
1	1 Communications - SOGR	01/01/1996	12/31/2023	13,259	0	120	0	0	0	0	0	0	0	13,139	0	0
1	3 Communications - Legislated	01/01/2006	12/31/2018	1,179	0	0	0	0	0	0	0	0	0	1,179	0	0
	Project Sub-total:			14,682	0	120	244	0	0	0	0	0	0	14,318	0	0
1	<u>TTC000240</u>	<u>Signal Systems - Various</u>														
1	1 Signal Systems - SOGR	01/01/1999	12/31/2023	12,298	0	0	0	3,637	0	0	0	0	0	8,661	0	0
	Project Sub-total:			12,298	0	0	0	3,637	0	0	0	0	0	8,661	0	0
1	<u>TTC000310</u>	<u>Finishes - Various</u>														
0	10 Station Tactile Wayfinding Upgrade	01/01/2019	12/31/2025	906	0	906	0	0	0	0	0	0	0	0	0	0
0	13 Platform Edge Tile Replacement	06/25/2019	06/25/2028	2,404	0	2,404	0	0	0	0	0	0	0	0	0	0
1	1 Finishes - SOGR	01/01/1996	12/31/2017	15,919	11,653	2,690	0	0	0	0	0	0	0	1,576	0	0
	Project Sub-total:			19,229	11,653	6,000	0	0	0	0	0	0	0	1,576	0	0
1	<u>TTC000320</u>	<u>Equipment - Various</u>														
1	1 Equipment - SOGR	01/01/1996	12/31/2024	26,047	20,342	1,659	0	0	0	0	0	0	0	4,046	0	0
1	3 Equipment - Legislated	01/01/1996	12/31/2023	560	0	0	0	0	0	0	0	0	0	560	0	0
	Project Sub-total:			26,607	20,342	1,659	0	0	0	0	0	0	0	4,606	0	0
1	<u>TTC000333</u>	<u>On-Grade Paving Rehabilitation</u>														
1	1 On-Grade Paving Rehabilitation - SOGR	01/01/1996	12/31/2018	6,583	0	6,000	0	0	0	0	0	0	0	583	0	0
	Project Sub-total:			6,583	0	6,000	0	0	0	0	0	0	0	583	0	0
1	<u>TTC000340</u>	<u>Bridges and Tunnels - Various</u>														
0	5 Culverts & East Don River Bridget PFC	01/01/2018	12/31/2021	655	0	655	0	0	0	0	0	0	0	0	0	0
1	1 Bridges and Tunnels - SOGR	01/01/1996	12/31/2017	31,275	0	8,954	0	18,887	0	0	0	0	0	3,434	0	0
	Project Sub-total:			31,930	0	9,609	0	18,887	0	0	0	0	0	3,434	0	0
1	<u>TTC000379</u>	<u>Fire Ventilation Upgrade</u>														
1	1 Fire Ventilation Upgrade - SOGR	01/01/1996	12/31/2019	17,764	0	0	0	14,644	0	0	0	0	0	3,120	0	0
	Project Sub-total:			17,764	0	0	0	14,644	0	0	0	0	0	3,120	0	0
1	<u>TTC000390</u>	<u>Other Bldgs & Structures Projects</u>														
0	20 Other Buildings & Structure - Improvement	01/01/2014	12/31/2017	18,986	0	0	0	18,986	0	0	0	0	0	0	0	0
0	46 Buildings and Structures - Leg	06/25/2019	06/25/2026	1,438	0	0	0	1,438	0	0	0	0	0	0	0	0
0	47 Buildings and Structures - HS	06/25/2019	06/25/2023	1,000	0	0	0	0	0	0	0	0	0	1,000	0	0
1	1 Other Buildings & Structures Projects - SOGRS	01/01/2000	12/31/2021	69,686	16,858	14,611	10,072	13,220	0	0	0	0	0	14,925	0	0
1	5 Other Buildings and Structures - Legislated	01/01/2002	12/31/2014	12,875	0	0	0	0	0	0	0	0	0	12,875	0	0



CITY OF TORONTO
Appendix 9: 2019 Capital Budget with Financing Detail
Toronto Transit Commission
Sub-Project Summary

Project/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
1	TTC000510	Tools and Shop Equipment													
1	1	1 Tools and Shop Equipment - SOGR	01/01/1996	12/31/2016	5,011	0	0	0	0	0	0	5,011	0	-0	0
		Project Sub-total:			5,011	0	0	0	0	0	0	5,011	0	-0	0
1	TTC000520	Fare Handling Equipment													
1	1	1 Fare Handling Equipment - SOGR	01/01/1997	12/31/2015	1,000	0	0	0	0	0	0	0	0	1,000	0
1	7	7 Fare Handling Equipment - SOGR	01/01/1997	12/31/2027	175	0	0	0	0	0	0	175	0	0	0
		Project Sub-total:			1,175	0	0	0	0	0	0	175	0	1,000	0
1	TTC000530	Other Maintenance Equipment													
1	1	1 Other Maintenance Equipment - SOGR S2	01/01/1996	12/31/2023	3,123	0	0	874	0	0	0	2,249	0	0	0
		Project Sub-total:			3,123	0	0	874	0	0	0	2,249	0	0	0
1	TTC000710	Information Technology System-Infrastructure													
0	7	7 Computer Equipment & Software - SOGR	01/01/2018	12/31/2028	13,304	0	0	0	0	0	0	0	0	13,304	0
1	1	1 Information Tech. System-Infrastructure - SOGR	01/01/1996	12/31/2020	69,156	0	1,801	0	0	0	0	15,720	0	51,635	0
1	8	8 Information Tech. Systems-Infrastructure SI	01/01/2019	12/31/2028	11,632	0	0	0	0	0	0	0	0	11,632	0
		Project Sub-total:			94,092	0	1,801	0	0	0	0	15,720	0	76,571	0
1	TTC000910	Furniture & Office Equipment													
1	1	1 Furniture & Office Equipment - SOGR	01/01/1996	12/31/2016	170	0	0	0	0	0	0	170	0	-0	0
		Project Sub-total:			170	0	0	0	0	0	0	170	0	-0	0
1	TTC906365	Purchase of Rail Non-Revenue Vehicle													
1	1	1 Purchase of Rail Non-Revenue Vehicle - SOGR	01/01/1996	12/31/2019	9,483	0	693	0	0	0	0	0	0	8,790	0
1	3	3 Purchase of Rail Non-Revenue Vehicle - Improvement	01/01/1996	12/31/2016	8,058	0	0	0	0	0	0	0	0	8,058	0
		Project Sub-total:			17,541	0	693	0	0	0	0	0	0	16,848	0
1	TTC907198	Kipling Station Improvements													
0	1	1 Kipling Station - Improvements	01/01/2007	12/31/2015	222	0	0	0	0	0	0	0	0	222	0
		Project Sub-total:			222	0	0	0	0	0	0	0	0	222	0
1	TTC907743	ATC Resignalling													
0	1	1 ATC YUS Resignalling - SOGR	09/24/2010	12/31/2020	65,000	0	0	21,346	6,000	0	0	0	0	37,654	0
0	2	2 ATC BD Resignalling - SOGR	01/01/2015	12/31/2024	200	0	0	200	0	0	0	0	0	0	0
		Project Sub-total:			65,200	0	0	21,546	6,000	0	0	0	0	37,654	0
1	TTC907749	Leslie Barns Streetcar Maint.& Storage Facility													
1	1	1 Leslie Barns Streetcar Main. & Storage Facility	10/04/2010	12/31/2016	3,559	0	0	0	0	0	0	0	0	3,559	0
		Project Sub-total:			3,559	0	0	0	0	0	0	0	0	3,559	0

(Phase 2) 20-Toronto Transit Commission 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
Toronto Transit Commission
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2019 Cash Flow	Financing										
					Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
1	<u>TTC907750 Toronto Rocket Yard & Storage Track Accommodation</u>														
1	1 Toronto Rocket Yard - Storage Track Accommodation	10/04/2010	12/31/2019	34,555	0	1,774	26,177	3,742	0	0	0	0	0	2,862	0
	Project Sub-total:			34,555	0	1,774	26,177	3,742	0	0	0	0	0	2,862	0
2	<u>TTC000383 Easier Access Phase II & III</u>														
1	1 Easier Access Phase III - Legislated	01/01/1996	12/31/2025	58,414	39,054	7,469	0	0	0	0	0	0	0	11,891	0
	Project Sub-total:			58,414	39,054	7,469	0	0	0	0	0	0	0	11,891	0
2	<u>TTC000610 Environmental Programs</u>														
0	6 Safety Program	01/01/2019	12/31/2021	10,000	0	0	0	0	0	0	0	0	0	10,000	0
2	1 Environmental Programs - Legislated	01/01/1996	12/31/2019	8,567	0	0	0	0	0	0	0	0	0	8,567	0
	Project Sub-total:			18,567	0	0	0	0	0	0	0	0	0	18,567	0
3	<u>TTC000920 Other Service Planning</u>														
0	7 Other Service Planning - Legislated	01/01/2015	12/31/2025	100	0	0	0	0	0	0	0	0	0	100	0
0	9 Other Service Planning Expansion	06/23/2015	12/31/2026	600	0	0	0	0	0	0	0	0	0	600	0
0	10 Other Service Planning - SOGR	01/01/2017	12/31/2018	100	0	0	100	0	0	0	0	0	0	0	0
3	1 Other Service Planning - Improvement	01/01/1996	12/31/2015	9,923	0	2,102	1,660	0	0	0	0	0	0	6,161	0
	Project Sub-total:			10,723	0	2,102	1,760	0	0	0	0	0	0	6,861	0
3	<u>TTC000921 Transit Shelters & Loops</u>														
0	4 Transit Shelters & Loops - SOGR	01/01/2013	12/31/2016	294	0	0	0	0	0	0	0	0	0	294	0
	Project Sub-total:			294	0	0	0	0	0	0	0	0	0	294	0
4	<u>TTC000330 Yards and Roads - Various</u>														
1	1 Yards and Roads - Legislated	01/01/1997	12/31/2020	1,124	0	0	1,124	0	0	0	0	0	0	0	0
	Project Sub-total:			1,124	0	0	1,124	0	0	0	0	0	0	0	0
4	<u>TTS000392 Line 4</u>														
4	1 Line 4 - Expansion	01/01/1996	12/31/2019	3,705	0	0	0	0	0	0	0	0	0	3,705	0
	Project Sub-total:			3,705	0	0	0	0	0	0	0	0	0	3,705	0
Program Total:				1,490,008	214,972	344,018	224,975	146,805	0	0	25,738	0	533,501	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
 01 Health and Safety C01
 02 Legislated C02

Category Code Description

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 10

Inflows and Outflows to/from Reserves and Reserve Funds

2019 Operating Budget

Program Specific Reserve / Reserve Funds

Reserve / Reserve Fund Name (In \$000s)	Reserve / Reserve Fund Number	Projected Balance as of Dec. 31, 2018 *	Withdrawals (-) / Contributions (+)		
			2019	2020	2021
		\$	\$	\$	\$
Beginning Balance		22,291.0	22,291.0	6,600.0	6,300.0
TTC Stabilization Reserve	XQ1056				
<i>Withdrawals (-)</i>					
2019 One-Time Draw			(15,391.0)		
Annual Drawre Kipling Commuter Lot			(300.0)	(300.0)	(300.0)
<i>Contributions (+)</i>					
Total Reserve / Reserve Fund Draws / Contributions		22,291.0	6,600.0	6,300.0	6,000.0
Balance at Year-End		22,291.0	6,600.0	6,300.0	6,000.0

* Based on 9-month 2018 Reserve Fund Variance Report

Corporate Reserve / Reserve Funds

Reserve / Reserve Fund Name (In \$000s)	Reserve / Reserve Fund Number	Projected Balance as of Dec. 31, 2018 *	Withdrawals (-) / Contributions (+)		
			2019	2020	2021
		\$	\$	\$	\$
Beginning Balance		33,429.0	33,429.0	26,429.0	18,879.0
Long Term Liability Reserv	XR1728				
<i>Withdrawals (-)</i>					
Projected Accident Claim Payments			(25,550.0)	(26,100.0)	(26,600.0)
<i>Contributions (+)</i>					
Budgeted Contribution			18,550.0	18,550.0	18,550.0
Total Reserve / Reserve Fund Draws / Contributions		33,429.0	26,429.0	18,879.0	10,829.0
Other Program / Agency Net Withdrawals & Contributions					
Balance at Year-End		33,429.0	26,429.0	18,879.0	10,829.0

Inflows and Outflows to/from Reserves and Reserve Funds

2019 – 2028 Capital Budget and Plan

Program Specific Reserve / Reserve Funds

Reserve / Reserve Fund Name (In \$000s)	Project / Sub Project Name and Number	Projected Balance as at Dec 31, 2018 *	Contributions / (Withdrawals)										Total		
			2019 Budget	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan			
XR####	Beginning Balance		-	-	-	-	-	-	-	-	-	-	-	-	-
Name of Reserve/Reserve Fund	Withdrawals (-)														
	XXXXXXXXXXXXXXXXXXXX														
	Total Withdrawals		-	-											
	Contributions (+)														
	XXXXXXXXXXXXXXXXXXXX														
	Total Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
Other Program/Agency Net Withdrawals and Contributions															
Balance at Year-End			-	-	-	-	-	-	-	-	-	-	-	-	-

* Based on 9-month 2018 Reserve Fund Variance Report

Corporate Reserve / Reserve Funds

Reserve / Reserve Fund Name (In \$000s)	Project / Sub Project Name and Number	Projected Balance as at Dec 31, 2018 *	Contributions / (Withdrawals)										Total	
			2019 Budget	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan		
XR2109	Beginning Balance	159,391	159,391	72,163	60,280	98,220	229,079	379,259	532,471	702,560	863,598	1,026,191		
Dev Charges RF - Transit	Withdrawals (-)													
	ATC Resignalling		(21,546)	(33,903)	(64,000)	-	-	-	-	-	-	-	-	(119,449)
	Automotive Non-Revenue Vehicles		-	-	-	(2,094)	(1,000)	(789)	(921)	(1,426)	(1,470)	(34)	(7,734)	
	Communications - Various		(244)	(404)	(428)	(447)	(438)	-	-	-	-	-	(1,961)	
	Easier Access Phase II & III		-	-	-	-	(5,000)	(5,597)	-	-	-	-	(10,597)	
	Equipment - Various		-	(5,000)	(5,000)	(7,536)	-	-	-	-	-	-	(17,536)	
	Fare Handling Equipment		-	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(1,000)	(1,800)	
	Fare System		(14,280)	(2,000)	-	-	-	-	-	-	-	-	(16,280)	
	Leslie Barns Streetcar Maint. & Storage Facility		-	(1,350)	-	-	-	-	-	-	-	-	(1,350)	
	McNicoll Bus Garage Facility		(5,000)	(5,000)	(7,347)	-	-	-	-	-	-	-	(17,347)	
	Other Bldgs & Structures Projects		(10,072)	(25,085)	(18,665)	(30,760)	(13,697)	(11,621)	-	-	-	-	(109,900)	
	Other Maintenance Equipment		(874)	(758)	(989)	(465)	(481)	(138)	(512)	(514)	(527)	(352)	(5,610)	
	Other Service Planning		(1,760)	(2,960)	(7,694)	(4,928)	(5,131)	(4,609)	(4,569)	(1,760)	(1,760)	(1,760)	(36,931)	
	Purchase of Streetcars		(42,767)	(29,101)	-	-	-	-	-	-	-	-	-	(71,868)
	Purchase of Subway Cars		-	(7,449)	(3,800)	-	-	-	-	-	-	-	-	(11,249)
	Purchases of Buses		(98,605)	(59,192)	(31,359)	-	-	-	-	-	-	-	-	(189,156)
	Surface Track		(2,526)	(2,250)	-	-	-	-	-	-	-	-	-	(4,776)
	Tools and Shop Equipment		-	-	-	(405)	(831)	(800)	(748)	(905)	(1,138)	(771)	(5,598)	
	Toronto Rocket Yard & Storage Track		-	-	-	-	-	-	-	-	-	-	-	-
	Accommodation		(26,177)	-	-	-	-	-	-	-	-	-	-	(26,177)
Transit Shelters & Loops		-	-	-	-	-	-	(299)	(463)	(247)	(463)	(1,472)		
Yards and Roads - Various		(1,124)	(5,785)	-	-	-	-	-	-	-	-	-	(6,909)	
	Total Withdrawals		(224,975)	(180,337)	(139,382)	(46,735)	(26,678)	(23,654)	(7,149)	(5,168)	(5,242)	(4,380)	(663,700)	
	Contributions (+)													
	Development Charges Revenue Assumptions		137,747	168,454	177,322	177,594	176,858	176,866	177,238	166,206	167,835	171,192	1,697,312	
	Total Contributions		137,747	168,454	177,322	177,594	176,858	176,866	177,238	166,206	167,835	171,192	1,697,312	
Other Program/Agency Net Withdrawals and Contributions														
Balance at Year-End			159,391	72,163	60,280	98,220	229,079	379,259	532,471	702,560	863,598	1,026,191	1,193,003	1,033,612

Reserve / Reserve Fund Name (In \$000s)	Project / Sub Project Name and Number	Projected Balance as at Dec 31, 2018 *	Contributions / (Withdrawals)										Total
			2019 Budget	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	
XQ0011	Beginning Balance	434,550	434,550	402,745	440,165	515,165	590,165	665,165	740,165	815,165	890,165	890,165	
Capital Financing Reserve	Withdrawals (-)												
	ATC Resignalling		(6,000)	-	-	-	-	-	-	-	-	-	(6,000)
	Bridges and Tunnels - Various		(18,887)	-	-	-	-	-	-	-	-	-	(18,887)
	Fire Ventilation Upgrade		(14,644)	-	-	-	-	-	-	-	-	-	(14,644)
	McNicoll Bus Garage Facility		(32,174)	-	-	-	-	-	-	-	-	-	(32,174)
	Other Bldgs & Structures Projects		(33,644)	-	-	-	-	-	-	-	-	-	(33,644)
	Purchase of Streetcars		(13,581)	-	-	-	-	-	-	-	-	-	(13,581)
	Signal Systems - Various		(3,637)	-	-	-	-	-	-	-	-	-	(3,637)
	Subway Car Overhaul Program		(6,304)	(6,718)	-	-	-	-	-	-	-	-	(13,022)
	Subway Track		-	(17,134)	-	-	-	-	-	-	-	-	(17,134)
	Surface Track		(14,192)	(13,728)	-	-	-	-	-	-	-	-	(27,920)
	Toronto Rocket Yard & Storage Track		-	-	-	-	-	-	-	-	-	-	-
	Accommodation		(3,742)	-	-	-	-	-	-	-	-	-	(3,742)
	Total Withdrawals		(146,805)	(37,580)	-	-	-	-	-	-	-	-	(184,385)
	Contributions (+)												
	Annual Revenue Estimates		115,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	-	640,000
	Total Contributions		115,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	-	640,000
Balance at Year-End			434,550	402,745	440,165	515,165	590,165	665,165	740,165	815,165	890,165	890,165	455,615

* Based on 9-month 2018 Reserve Fund Variance Report