

Toronto 2017 BUDGET



CAPITAL BUDGET NOTES



Toronto Transit Commission

2017 2026 CAPITAL BUDGET AND PLAN OVERVIEW

The Toronto Transit Commission delivers transit services to an estimated 544 million riders in 2017, using buses, subway trains, rapid transit trains, light rail vehicles (LRVs), and the new streetcars that began service in the fall of 2014.

The TTC is responsible for the stewardship of transit assets with a total estimated replacement value of \$15.4 billion to ensure that vehicles, subway tunnels, subway track, surface track, bridges and other facility infrastructure are maintained in a state of good repair.

The TTC's 10-Year Capital Plan that totals \$6.842 billion focuses 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.

In addition to TTC's base capital program, the Capital Plan funds projects focused on transit expansion including the Toronto-York Spadina Subway Extension and the Scarborough Subway Extension.

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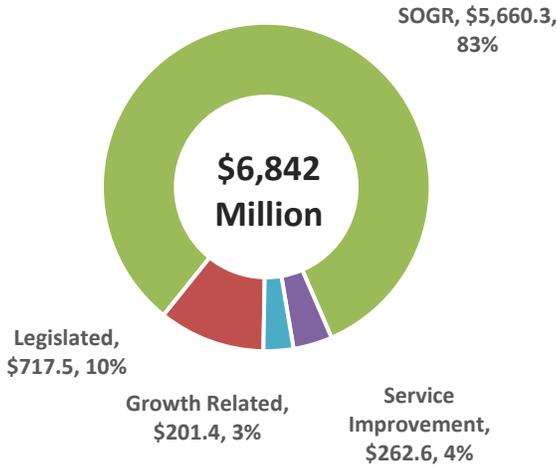
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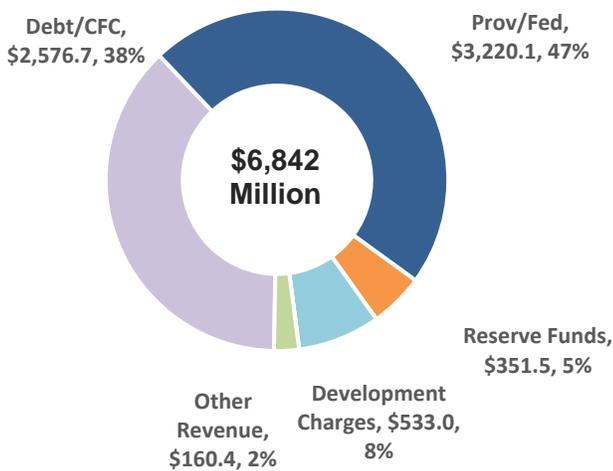
Capital Spending and Financing

2017-2026 Capital Budget and Plan

By Project Category



By Funding Source



Where the money goes:

The 2017–2026 Preliminary Capital Budget and Plan totalling \$6.842 billion provides funding for:

- State of Good Repair (SOGR) projects:
 - ✓ Purchases of Buses (\$679.4 million)
 - ✓ ATC Resignalling (\$496.8)
 - ✓ Purchase of Streetcars (\$483.3 million)
 - ✓ Bus Overhaul Program (\$418.3 million)
- Legislated projects of \$717.5 million; mainly related for the Easier Access Program (\$512.9 million).
- Growth Related projects of \$201.4 million, including:
 - ✓ McNicoll Bus Garage Facility (\$171.840 million)
 - ✓ PRESTO Implementation (\$9.9 million).

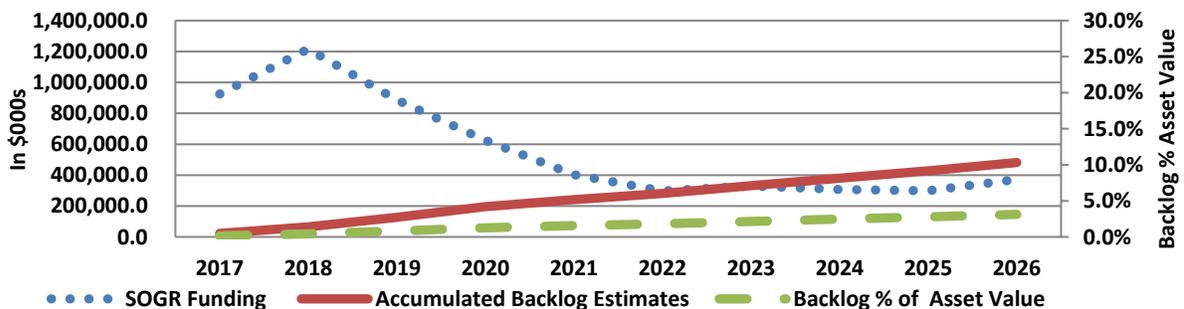
Where the money comes from:

The Preliminary 10-Year Capital Plan requires:

- Debt funding of \$2.577 billion (38%), which exceeds the debt affordability guideline by \$434.387 million following added investments made to match a new federal funding program.
- Provincial/Federal grants of \$3.220 billion (47%) includes an additional \$580.247 million of Federal funding through the Public Transit Infrastructure Fund (PTIF) from 2017 to 2019. (In addition to \$101.220 million in 2016).
- Additional funding from Development Charges (\$533.0 million or 8.0%); Reserve Funds (\$351.5 million or 5%); and Other Revenue (\$160.4 million or 2%).

State of Good Repair Backlog

The Preliminary 10-Year Capital Plan includes cash flow funding of \$5.660 million for State of Good Repair to address the backlog. The SOGR backlog as a % of asset replacement value will increase from 0.1% in 2017 to 3.1% in 2026.



Our Key Issues & Priority Actions

- **Capital Plan Affordability** – The TTC identified 10-Year Capital Plan needs that total \$9.276 billion. This would require additional debt funding of \$2.435 billion over the TTC's established debt target for the 10-year capital planning period.

TTC's 10-Year Capital Plan of \$6.842 billion is funding by:

- ✓ Debt of \$2.577 billion, which includes an added City investment of \$434.387 million above the TTC's debt target.
- ✓ Provincial and Federal funding of \$3.220 billion (Including \$580.247 million in new funding from the Federal Public Transit Infrastructure Fund)
- ✓ The level of Unfunded TTC Capital Projects has been reduced from \$2.7 billion to \$2.4 billion through added capital investments included in the 10-Year Preliminary Capital Plan.

- **Federal Public Transit Infrastructure Fund (PTIF) program**, federal funding of up to \$856 million has been made available to the City of Toronto for transit upgrades and improvements for projects that if not for this funding would not have been completed by March 31, 2018. (Note that the City has requested that the timeline for a portion of funding be extended to March 31, 2019).
 - ✓ \$1.363 billion in TTC capital projects have been included in Phase 1 of the PTIF program from 2016 to 2019, which includes matching City funding.

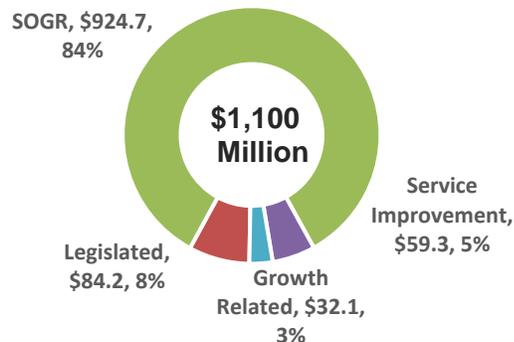


2017 Capital Budget Highlights

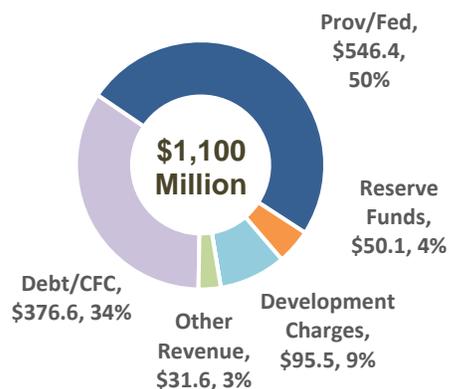
The 2017 Preliminary Capital Budget for Toronto Transit Commission of \$1.1 billion, excluding carry forward funding, will:

- Fund the purchase of buses (\$230.0 million) of which \$227.4 million or 98.9% are related to state of good repair. McNicoll Bus Garage Facility (\$14.780 million) construction of an indoor storage and maintenance facility for 250 buses to accommodate ridership growth and expanding bus fleet.
- Continue to address SOGR maintenance work on:
 - Subway Track (\$30.809 million);
 - Surface Track (\$53.093 million);
 - Bridges & Tunnels (\$39.937 million);
 - Subway Car Overhaul (\$39.946 million);
 - Support building and structure initiatives (\$55.345 million); and
 - Maintaining the information and technology infrastructure in state of good repair (\$82.300 million).

2017 Capital Budget By Project Category



By Funding Source



Actions for Consideration

Approval of the 2017 Preliminary Capital Budget as presented in these notes requires that:

1. City Council approve the 2017 Preliminary Capital Budget for the Toronto Transit Commission with a total project cost of \$928.100 million, and 2017 cash flow of \$1.264 billion and future year commitments of \$4.047 billion comprised of the following:
 - a) New Cash Flow Funds for:
 - i. 20 new / change in scope sub-projects with a 2017 total project cost of \$928.100 million that requires cash flow of \$77.152 million in 2017 and future year cash flow commitments of \$201.985 million for 2018; \$184.694 million for 2019; \$151.674 million for 2020; \$81.740 million for 2021; \$29.450 million for 2022; \$63.552 million for 2023; \$48.124 million for 2024; \$38.474 million for 2025; and \$51.255 million for 2026;
 - ii. 66 previously approved sub-projects with a 2017 cash flow of \$1.023 billion; and future year cash flow commitments of \$1.207 billion for 2018; \$801.162 million for 2019; \$487.409 million for 2020; \$244.659 million for 2021; \$136.574 million for 2022; \$89.019 million for 2023; \$81.688 million for 2024; \$78.530 million for 2025; and \$70.526 million for 2026;
 - b) 2016 approved cash flow for 8 previously approved sub-projects with carry forward funding from 2016 into 2017 totalling \$163.552 million.
2. City Council approve the 2018 - 2026 Preliminary Capital Plan for Toronto Transit Commission totalling \$1,694.083 million in project estimates, comprised of \$4.419 million for 2018; \$113.129 million for 2019; \$172.984 million for 2020; \$229.719 million for 2021; \$208.372 million for 2022; \$243.843 million for 2023; \$236.774 million for 2024; \$221.721 million for 2025 and \$263.122 million in 2026.
3. City Council consider the operating costs/(savings) of (\$9.444) million net in 2017; (\$14.026) million net in 2018; \$3.817 million net in 2019; \$10.983 million net in 2020; (\$0.768) million net in 2021; \$1.206 million in 2022; \$0.239 million in 2023; \$0.307 million in 2024; \$0.060 million in 2025; and (\$0.029) million in 2026 resulting from the approval of the 2017 Preliminary Capital Budget for inclusion in the 2017 and future year operating budgets.
4. All sub-projects with third party financing be approved conditionally, subject to the receipt of such financing in 2017 and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.
5. City Council approve the 2017 Capital Budget for the Toronto-York Spadina Subway Extension with no new project cost, and 2017 cash flow of \$545.057 million and future year commitments of \$160.225 million comprised of the following:
 - a) New Cash Flow Funding for:
 - i. 1 previously approved sub-project with a 2017 cash flow of \$183.543 million; and a future year cash flow commitment of \$160.225 million in 2018.
 - b) 2016 approved cash flow for 1 previously approved sub-project with carry forward funding from 2016 into 2017 totalling \$361.514 million.

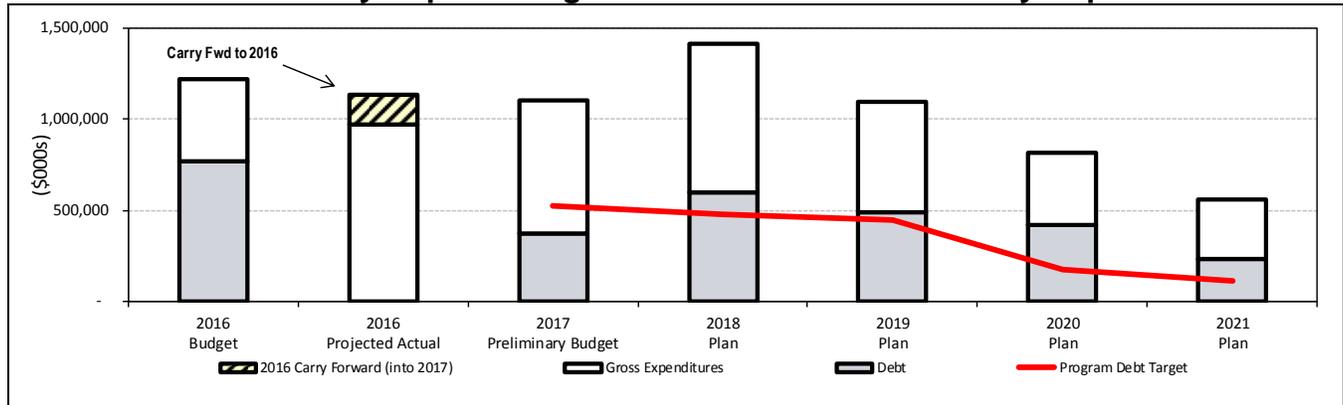
6. City Council approve the 2017 Capital Budget for the Scarborough Subway Extension with a total project cost, of \$22.807 million , and 2017 cash flow of \$125.194 and 2018 of \$9.672 million comprised of the following:
 - a) New Cash Flow Funding for:
 - i. 1 sub-project with a 2017 cash flow of \$22.807 million in 2017; and no future year cash flow commitments.
 - ii. Approved cash flow for 2 previously approved sub-project with carry forward funding from 2016 into 2017 totalling \$102.387 million and 2018 of \$9.672 totaling \$112.059 million.
7. City Council direct the TTC seek City Council approval of any additional cash flow funding in 2017 and cash flow funding commitments for 2018-2026 for the Scarborough Subway Extension prior to making any financial commitments as cash flows between 2018 -2026 are budgeted as planned forecasts with no authority to spend.
8. City Council approve the 2017-2026 Capital Plan for the Scarborough Subway Extension totalling \$3.365 billion in project estimates, \$568.291 million in 2018; \$417.160 million in 2019; \$485.175 million in 2020; 478.466 million in 2021; \$562.384 million in 2022; \$458.681 million in 2023; \$247.581 million in 2024; and \$147.633 million in 2025.



Part 1:

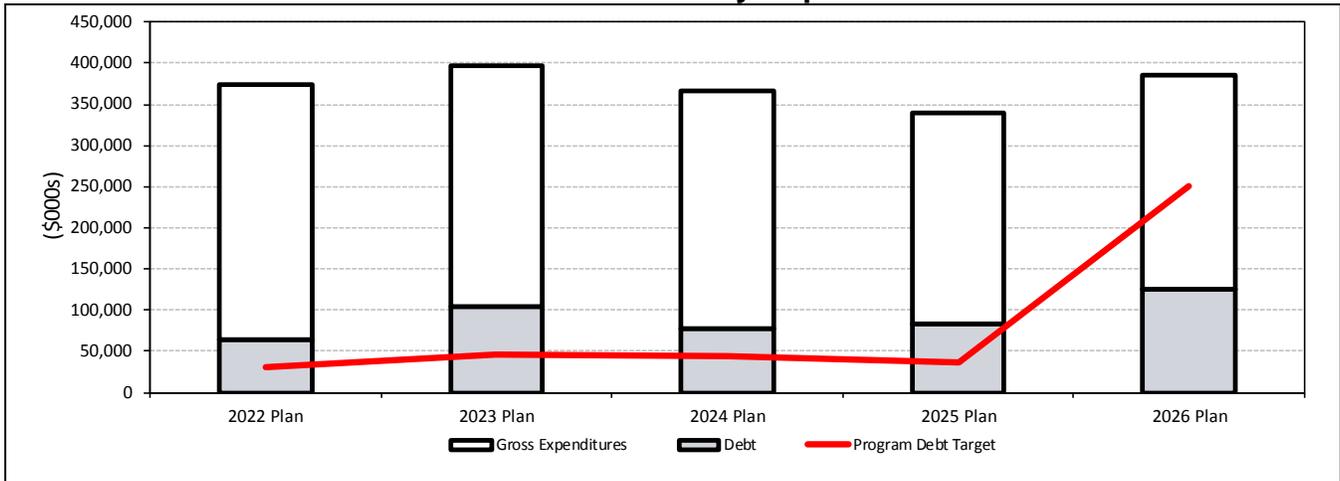
Preliminary 10-Year Capital Plan

**Figure 1a
10-Year Capital Plan
2017 Preliminary Capital Budget and 2018 - 2021 Preliminary Capital Plan**



2017 Prelim. Capital Budget and 2018 - 2021 Prelim. Capital Plan									
	2016		2017	2018	2019	2020	2021	2017 - 2021	5-Year Total Percent
	Budget	Projected Actual							
Gross Expenditures:									
2016 Capital Budget & Approved FY Commitments	1,220,445	970,263	1,209,398	908,860	770,841	374,766	252,092	3,515,957	70.6%
Changes to Approved FY Commitments			(186,292)	298,026	30,321	112,643	(7,433)	247,265	5.0%
2017 New/Change in Scope and Future Year Commitments			77,152	201,985	184,694	151,674	81,740	697,245	14.0%
2018 - 2021 Capital Plan Estimates				4,419	113,129	172,984	229,718	520,250	10.4%
2-Year Carry Forward for Reapproval								-	
1-Year Carry Forward to 2017		163,552							
Total Gross Annual Expenditures & Plan	1,220,445	289,690	1,100,258	1,413,290	1,098,985	812,067	556,117	4,980,717	100.0%
Program Debt Target			524,818	481,448	443,915	173,978	109,780	1,733,939	
Financing:									
Debt	765,624		376,563	596,467	491,438	419,629	234,557	2,118,653	42.5%
Reserves/Reserve Funds	147,084		50,139	70,277	156,513	74,594	-	351,523	7.1%
Development Charges	16,466		95,479	100,150	81,573	63,938	66,597	407,737	8.2%
Provincial	98,010		79,303	218,036	149,354	75,225	75,223	597,139	12.0%
Federal	159,812		467,141	400,458	207,302	167,421	167,421	1,409,743	28.3%
Other Revenue	33,449		31,634	27,903	12,806	11,260	12,319	95,922	1.9%
Total Financing	1,220,445		1,100,258	1,413,290	1,098,985	812,067	556,117	4,980,717	100.0%
By Project Category:									
Health & Safety									
Legislated	68,789		84,150	97,027	103,171	110,668	99,440	494,456	9.9%
SOGR	1,091,445		924,726	1,216,194	886,362	624,737	402,940	4,054,959	81.4%
Service Improvement	35,605		59,320	52,470	49,611	44,256	24,286	229,943	4.6%
Growth Related	24,605		32,062	47,599	59,841	32,406	29,451	201,359	4.0%
Total by Project Category	1,220,445		1,100,258	1,413,290	1,098,985	812,067	556,117	4,980,717	100.0%
Asset Value (\$) at year-end		15,400,000							
Yearly SOGR Backlog Estimate (not addressed by current plan)			22,541	42,694	61,228	69,502	44,933	240,898	
Accumulated Backlog Estimate (end of year)			22,541	65,235	126,463	195,965	240,898	240,898	
Backlog: Percentage of Asset Value (%)		0.0%	0.1%	0.4%	0.8%	1.3%	1.6%		
Debt Service Costs			5,648	49,699	73,508	61,080	49,680	239,614	
Operating Impact on Program Costs			(9,444)	(14,026)	3,817	10,983	(768)	(9,439)	
New Positions									

**Table 1b
10-Year Capital Plan
2022 - 2026 Preliminary Capital Plan**



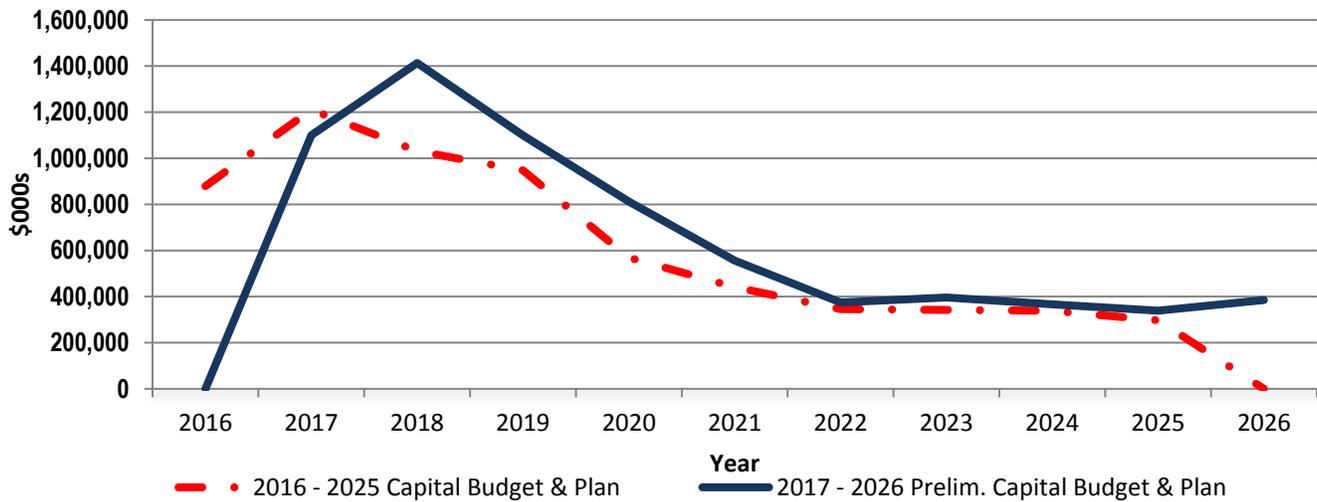
	2022 - 2026 Preliminary Capital Plan						
	2022	2023	2024	2025	2026	2017 - 2026	10-Year Total Percent
Gross Expenditures:							
2016 Capital Budget & Approved FY Commitments	151,890	156,931	159,467	109,169		4,093,414	59.8%
Changes to Approved FY Commitments	(15,316)	(67,912)	(77,779)	(30,639)	70,526	126,145	1.8%
2017 New/Change in Scope and Future Year Commitments	29,450	63,552	48,124	38,474	51,255	928,100	13.6%
2022 - 2026 Capital Plan Estimates	208,372	243,843	236,774	221,721	263,122	1,694,082	24.8%
2-Year Carry Forward for Reapproval						-	
Total Gross Annual Expenditures & Plan	374,396	396,414	366,586	338,725	384,903	6,841,741	100.0%
Program Debt Target	31,068	46,234	43,937	37,180	250,000	2,142,358	
Financing:							
Debt	65,055	104,763	77,872	84,181	126,221	2,576,745	37.7%
Reserves/Reserve Funds	-	-	-	-	-	351,523	5.1%
Development Charges	52,265	34,779	34,679	1,760	1,760	532,980	7.8%
Provincial	75,224	75,224	75,224	75,225	75,224	973,260	14.2%
Federal	167,421	167,421	167,421	167,421	167,421	2,246,848	32.8%
Other Revenue	14,431	14,227	11,390	10,139	14,277	160,386	2.3%
Total Financing	374,396	396,414	366,586	338,725	384,903	6,841,741	100.0%
By Project Category:							
Health & Safety						-	
Legislated	71,345	60,953	48,771	35,065	6,906	717,496	10.5%
SOGR	297,531	330,041	306,907	298,760	372,088	5,660,286	82.7%
Service Improvement	5,520	5,420	10,908	4,900	5,909	262,600	3.8%
Growth Related						201,359	2.9%
Total by Project Category	374,396	396,414	366,586	338,725	384,903	6,841,741	100.0%
Asset Value(\$) at year-end	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	
Yearly SOGR Backlog Estimate (not addressed by current plan)	39,970	50,599	49,181	47,033	53,850	481,531	
Accumulated Backlog Estimate (end of year)	280,868	331,467	380,648	427,681	481,531	481,531	
Backlog: Percentage of Asset Value (%)	1.8%	2.2%	2.5%	2.8%	3.1%		
Debt Service Costs	26,448	9,070	12,789	10,032	11,549	309,502	
Operating Impact on Program Costs	1,206	239	307	60	(29)	(7,656)	
New Positions							

Key Changes to the 2016 - 2025 Approved Capital Plan

The 2017 Preliminary Capital Budget and the 2018 – 2026 Preliminary Capital Plan reflects an increase of \$440.00 million in capital funding from the 2016 - 2025 Approved Capital Plan.

The chart and table below provide a breakdown of the \$440.00 million or 6.9% increase in the Capital Program on an annual basis from 2016 to 2026.

Chart 1
Changes to the 2016 - 2025 Approved Capital Plan (In \$000s)



(\$000s)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10-Year Total
2016 - 2025	879,475	1,210,511	1,030,701	947,593	569,032	440,880	346,002	342,090	337,977	297,475		6,401,736
2017 - 2026		1,100,258	1,413,290	1,098,985	812,067	556,117	374,396	396,414	366,586	338,725	384,903	6,841,741
Change %		(9.1%)	37.1%	16.0%	42.7%	26.1%	8.2%	15.9%	8.5%	13.9%		6.9%
Change \$		(110,253)	382,589	151,392	243,035	115,237	28,394	54,324	28,609	41,250		440,005

As made evident in the chart above, the \$440.005 million increase in the Capital Program is attributed to increased investments of \$934.577 million between 2017 – 2025, that is somewhat offset by the difference in capital spending approved in 2016 as compared to planned capital funding in the year 2026.

As reflected in Table 2 on the following page, changes to the 2016 – 2025 Approved Capital Plan, specifically the \$934.577 million increase in capital funding over the nine common years of the Capital Plans (2017 – 2025) arise from the following:

- The reprioritization of TTC capital projects based on a capacity to spend and project readiness to proceed review to more realistically match cash flow spending to project activities and timing; and
- Capital Program adjustments arising from investments of \$1.160 billion in new or accelerated PTIF funded TTC capital projects that includes \$580.247 million in matching City funding.

A summary of project changes for the years 2017 to 2025 totalling \$934.577 million are provided in Table 2 below:

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

\$000s	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2017 - 2025 Total
2016 - 2025 Capital Budget & Plan	879,475	1,210,511	1,030,701	947,593	569,032	440,880	346,002	342,090	337,977	297,475	-	5,522,261
2017 - 2026 Prelim. Capital Budget & Plan	-	1,100,258	1,413,290	1,098,985	812,067	556,117	374,396	396,414	366,586	338,725	384,903	6,456,838
Capital Budget & Plan Changes (2017 - 2025)		(110,253)	382,589	151,392	243,035	115,237	28,394	54,324	28,609	41,250		934,577

	Total Project Cost	2017	2018	2019	2020	2021	2022	2023	2024	2025	2017 - 2025	2026	Revised Total Project Cost
Previously Approved													
Bridges and Tunnels - Various		(14,730)	(8,917)	(7,935)	(9,473)	(7,749)	(6,116)	(8,440)	(5,055)	(101)	(68,516)	40,059	-
purchase of Streetcars		(153,050)	110,863	30,444	11,743								
Toronto Rocket Yard & Storage Track Accommodation	514,295	(17,637)	(9,654)	(18,028)	20,785	295		250	250		(23,739)		
ATC Resignalling	861,884	(23,332)	(24,100)	(12,872)	(1,900)	(17,939)	518	(4,547)	(8,933)	1,511	(91,594)	44,142	
Fare Handling Equipment	23,773	325	1,170	100							1,595		300
Information Technology System-Infrastructure	503,795	(6,014)	33,279	(1,110)	(4,459)	(4,565)	(661)	(599)	1,003	259	17,133	36,119	
Environmental Programs	112,930	(5,291)	(6,605)	(3,683)	113	2,476	(2,335)	(2,361)	(2,390)	(2,449)	(22,525)	3,570	
Leslie Barns Streetcar Maint. & Storage Facility	506,622	(6,708)	2,300	1,350							(3,058)		
Equipment - Various	297,573	(14,061)	6,849	1,757	640	1,375	(1,893)	(2,292)	(231)	(642)	(8,498)	13,848	297,573
Subway Car Overhaul Program	291,972	(6,449)	12,805	11,038	(448)	197	342	1,367	1,107		19,959		25,896
Streetcar Overhaul Program	107,517	3,491	1,391	(410)	(410)	(666)	(266)	(2,663)	(10,951)	(12,420)	(22,904)	11,853	
Tools and Shop Equipment	21,266	(1,491)	(1,956)	(904)	(1,192)	(493)	(545)	(419)	(452)	(918)	(8,370)	1,828	21,266
Subway Car Purchases	1,171,948	7,576									7,576		1,171,948
Fire Ventilation Upgrade	353,376	(12,029)	(25,951)	3,955	38,019	3,299					7,293		
Automotive Non-Revenue Vehicles	26,296	(665)	328	578	(897)	(3,242)	(1,269)	(2,233)	(279)	(199)	(7,878)	1,785	26,296
Fare System	51,698	(738)	(452)	(483)							(1,673)		51,698
Yards and Roads - Various	114,125	(5,100)	(1,457)	(771)	784						(6,544)		114,125
Power Dist./Electric Systems - Various	109,151	(895)	(1,562)	(1,070)	(956)	(232)	(68)	(117)	(289)	(1,601)	(6,790)	6,516	
Traction Power - Various	230,227	497	(1,437)	(1,188)	(558)	1,074	1,548	1,832	1,908	(2,207)	1,469	17,190	
Finishes - Various	172,788	(1,483)	2,892	(3,269)	(3,272)	1,624	4,830	65	262	202	1,851	7,926	
McNicoll Bus Garage Facility	181,000	(5,720)	(10,190)	5,590	(19,741)	29,451					(610)		
Furniture & Office Equipment	3,340	(93)	(67)	(62)	(137)	(64)	(36)	(74)	(35)	(51)	(619)	222	
Wilson Complex - Modifications for the Toronto Roc	95,323	(487)									(487)		95,323
Queensway Bus Garage Renovations	24,226	189									189		
Transit Shelters & Loops	4,036	(90)	(51)	(53)	(54)	(42)	(43)	(44)	(45)	(46)	(468)	933	
Other Maintenance Equipment	18,731	814	4,505	(103)	(251)	(194)	(203)	(195)	(195)	(771)	3,407	1,110	
On-Grade Paving Rehabilitation	83,420	(2,279)	(2,833)	(2,010)	537	2,931	3,238	(609)	646		(379)	10,666	
Signal Systems - Various	193,111	(6,035)	(5,720)	(1,321)	7,899	5,041	2,581	2,481	2,284	900	8,110	2,324	
Rail Non-Revenue Vehicle Overhaul	22,850	1,371	1,271	1,592	1,726	2,759	33	(551)	(1,264)	(686)	6,251	484	
Surface Track	275,176	(8,624)	7,426	5,748	(1,993)	1,539	1,654	1,621	(2,903)	(2,808)	1,660	32,561	
Purchase of Rail Non-Revenue Vehicle	49,708	(7,248)	(173)	3,325	9,340	9,595	4,804	1,992			21,635		
Communications - Various	180,230	4,527	9,432	1,474	(188)	995	707	677	(255)	(1,993)	15,376	9,854	
Subway Track	182,089	(8,910)	23,662	(18,097)	10,803	13,085	6,269	6,210	3,234	5,955	42,211	34,229	182,089
Other Service Planning	35,132	55,197	15,832	68	1,993	2,095	(305)	(305)	(305)	(275)	73,995	1,760	
Replacement of Wheel-Trans Vehicles	62,919	6,920	6,920	7,629	6,408	7,149	7,506	7,882	8,276	8,690	67,380	9,125	62,919
Easier Access Phase II & III	467,953	(9,272)	(320)	10,612	34,915	23,641	19,625	14,623	16,786	8,353	118,963		
Other Bldgs & Structures Projects	613,455	3,465	73,197	47,985	15,031	17,195	1,707	969	(603)	857	159,803	9,605	
Bus Overhaul Program		(32,775)	1,487	23,690	23,894	28,877	15,158	67,320	64,392	41,044	233,087	60,998	
Purchases of Buses	1,117,711	156,581	168,425	67,826	104,334	(4,270)	(28,386)	(28,125)	(36,099)		400,286		1,517,344
Total Previously Approved	9,081,647	(110,253)	382,589	151,392	243,035	115,237	28,394	54,324	28,609	41,250	934,577	384,903	3,832,553

Significant Capital Project Changes in TTC:

Cash flow funding for the following previously approved capital projects have been adjusted based on historical project reprioritization as well as adjustments based on historical spending rates, capacity and expected progress and completion of the projects, as outlined below:

Project Cost Increases:

- **Purchase of Buses** - An increase of \$399.633 million or 35% is required to fund the purchase of buses inclusive of replacement and service improvement vehicles.
 - This increased investment both reduces the service impact arising from the LRV delivery delay and positively impact service reliability through the TTC's ability to accelerate the replacement of older and less reliable vehicles.
- **Easier Access III** - has been increased by \$119.098 or 18%,
 - The 10-Year Preliminary Capital Plan includes additional funding for the Easier Access program. This added funding is required to accommodate an escalation in overall per station costs estimates.

- This project includes construction and enhancing accessibility features (i.e. installation of elevators at TTC stations) to make the TTC fully accessible by 2025.
- PTIF funding of \$6.550 million will support this Provincially legislated requirement.
- *Other Bldgs & Structures Projects* - has been increased by \$105.907 million or 16.0%, mainly to support the Station Modernization Program (\$45.596 million) and Wheel Trans 10-Yr Transformation Program (\$42.506 million)

Project Cost Decreases:

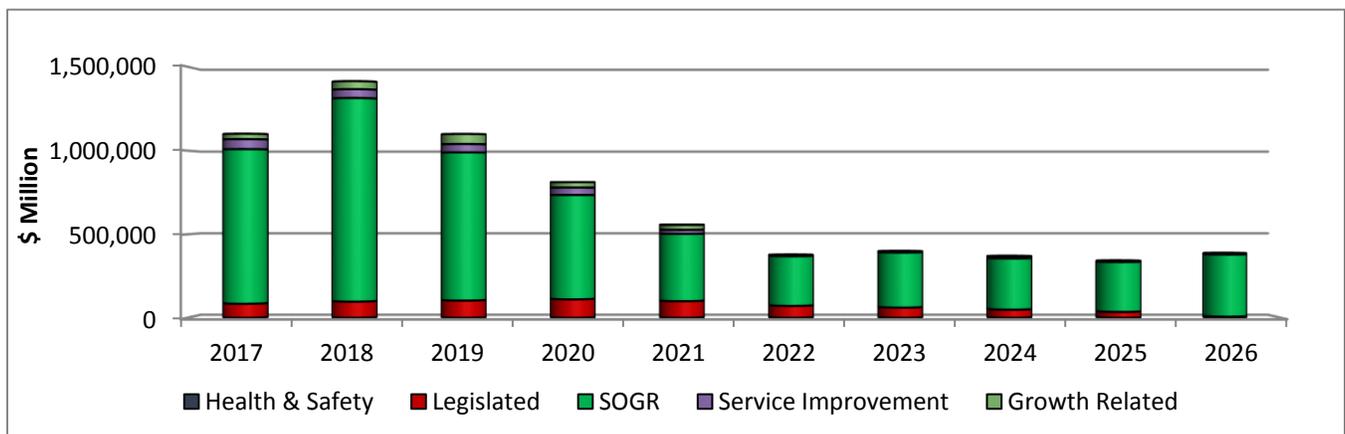
- *Automatic Train Control (ATC)* - Decrease of \$43.316 million in funding over the 9 year period mostly due to project cost being removed from the 10-Year Capital Plan and placed “below the line” based on the TTC’s capacity to spend review.
- *Streetcar Overhaul Program* – This project has been decreased by \$14.801 million or 13.8% over the 9 year period. This program ensures the Streetcar fleet is maintained in a state of good repair.

Deferrals/Accelerations:

- *Purchase of Streetcars* – Due to experienced delivery delays, \$153.050 million in 2017 cash flow funding for the delivery of planned streetcars has been deferred to 2018
- *ATC Resignalling* - \$57.706 million deferred from 2017-2019 to the last 5-years of the Capital Plan's timeframe.
 - The Bloor/Danforth Line project reflects schedule changes as a result of work re-prioritization as the primary focus of the ATC team is the completion of the Yonge-University-Spadina line.

2017 – 2026 Preliminary Capital Plan

Chart 2
2017 – 2026 Preliminary Capital Plan by Project Category (In \$000s)



As illustrated in the chart above, the Preliminary 10-Year Capital Plan for TTC of \$6.842 billion provides 82.7% funding for State of Good Repair (SOGR) projects as priorities and 3.8% for Service Improvement projects. Legislative mandated projects represent 10.5% and Growth Related projects represent the remaining 2.9% over the 10-year period.

- The major share of the \$6.842 billion in funding over the 10-year period has been dedicated to State of Good Repair projects.

- 82.7% of funding is required to maintain assets in a state of good repair.
- Major SOGR projects include the Purchase of Buses (\$679.373 million), the Yonge-University-Spadina (YUS)ATC Resignalling project (\$496,826 million), the Purchase of Streetcars (\$483.313 million) and) and T1/TR Yard & Storage Track Accommodation (\$340.568 million).
- Legislated projects account for 10.5% or \$717.496 million of total funding for the 10-year period of which \$512.918 million or 71.5% is for the *Easier Access program*; a program designated to construct and enhance accessibility features to make the TTC fully accessible by 2025.
- Service Improvement projects account for 3.8% or \$262.600 million of the 10-Year Plan.
- Major Service Improvement projects include the Purchase of Buses \$90.288 million or 32.0% to support ridership, and \$131.384 million or 50% to support Bldgs & Structure Projects and Service Planning.
- Growth Related projects account for 2.9% or \$201.359 million of total funding for the 10-year period of which \$171.840 million or 85.3% is for the *McNicol Bus Garage Facility*.

The following table details, by project category, the capital projects included in the 2017 – 2026 Preliminary Capital Budget and Plan for TTC:

Table 3
2017 - 2026 Capital Plan by Project Category (In \$000s)

	Total App'd Cash Flows to Date*	2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2017 - 2026 Total	Total Project Cost
Total Expenditures by Category													
Legislated													
Communications - Various		1,983	3,052	750							551	6,336	
Easier Access Phase II & III	467,953	42,772	54,584	66,094	76,332	74,489	66,364	56,664	44,702	30,917		512,918	655,217
Environmental Programs		6,482	9,015	4,765	8,601	15,972	3,905	3,315	3,400	3,485	3,570	62,510	
Equipment - Various		2,344	2,218	920	1,000	435	219	89				7,225	
Other Bldgs & Structures Projects		9,454	14,650	19,889	12,306	8,344	687	715	499	663	2,785	69,992	
Other Service Planning		16,000	4,200	200	200	200	170	170	170			21,310	
Streetcar Overhaul Program		1,000										1,000	
Subway Car Overhaul Program		1,647										1,647	
Yards and Roads - Various		2,133	9,308	10,553	12,229							34,223	
Bus Overhaul Program		335										335	
Sub-Total		84,150	97,027	103,171	110,668	99,440	71,345	60,953	48,771	35,065	6,906	717,496	
State of Good Repair													
ATC Resignalling	861,884	60,309	66,334	73,346	58,881	33,499	39,441	38,791	40,066	42,017	44,142	496,826	863,523
Automotive Non-Revenue Vehicles		2,800	2,800	2,960	2,480	2,635	2,805	2,890	1,785	1,785	1,785	24,725	
Birchmount Bus Garage Repair Bay Modifications													
Bridges and Tunnels - Various		39,937	33,846	29,701	29,421	32,896	34,955	36,013	37,216	39,473	40,059	353,517	
Communications - Various		23,633	22,595	15,312	8,067	7,942	7,410	7,184	6,306	6,253	9,303	114,005	
Equipment - Various		32,099	40,091	26,498	24,244	20,826	14,462	10,213	9,566	9,233	13,848	201,080	
Fare Handling Equipment	22,973	8,000	185	175	250	250	250	250	300	300	300	10,260	61,153
Fare System	3,557	175	125									300	3,557
Finishes - Various		17,990	17,606	14,169	14,190	18,649	22,284	9,265	7,515	6,504	7,926	136,098	
Fire Ventilation Upgrade		10,918	14,708	30,966	38,019	3,299						97,910	
Furniture & Office Equipment		393	288	210	546	361	201	418	200	432	222	3,271	
Information Technology System-Infrastructure		82,269	85,966	30,857	43,975	13,433	14,936	14,689	11,801	8,948	36,119	342,993	
Leslie Bams Streetcar Maint.& Storage Facility	506,622	20,411	4,500	1,350								26,261	515,989
Mount Dennis Bus Facility												-	
On-Grade Paving Rehabilitation		9,069	10,521	10,792	14,037	15,731	16,036	10,200	10,353	10,509	10,666	117,914	
Other Bldgs & Structures Projects		55,345	124,820	84,970	51,690	26,231	5,866	6,905	5,279	5,153	3,635	369,894	
Other Maintenance Equipment		2,090	5,730	1,048	902	960	1,010	963	965	1,090	1,110	15,868	
Other Service Planning		16,750	4,000									20,750	
Power Dist./Electric Systems - Various		8,897	9,170	7,265	4,620	5,264	5,261	5,332	5,385	5,595	6,217	63,006	
Purchase of Rail Non-Revenue Vehicle		7,982	8,016	3,214	5,453	9,595	4,804	1,992				41,056	
Queensway Bus Garage Renovations		189										189	
Rail Non-Revenue Vehicle Overhaul		3,421	3,346	3,357	3,509	4,428	1,718	1,152	454	467	484	22,336	
Replacement of Wheel-Trans Vehicles		6,920	6,920	7,629	6,408	7,149	7,506	7,882	8,276	8,690	9,125	76,505	
Signal Systems - Various		17,189	17,074	12,799	11,602	6,500	4,189	3,738	3,580	2,231	2,324	81,226	
Streetcar Overhaul Program		11,515	1,801		633	649	422	1,578	2,358	6,198	11,853	37,007	
Subway Car Overhaul Program		39,946	31,807	29,158	17,437	15,494	13,574	18,426	18,480	24,415	25,896	234,633	
Subway Car Purchases		16,698	4,076									20,774	
Subway Track		30,809	47,701	34,992	35,337	38,129	31,865	32,400	33,027	33,653	34,229	352,142	
Surface Track		53,093	37,323	23,846	23,642	27,546	26,892	27,565	23,820	27,248	32,561	303,536	
Tools and Shop Equipment		2,784	3,111	1,504	1,824	1,828	2,025	1,700	1,708	1,655	1,828	19,967	
Toronto Rocket Yard & Storage Track Accommodation		47,754	71,703	86,252	90,674	43,685		250	250			340,568	
Traction Power - Various		22,465	16,095	14,444	14,401	12,622	12,592	13,374	13,567	15,604	17,190	152,354	
Transit Shelters & Loops		160	206	211	217	236	243	251	258	263	268	2,313	
Wilson Complex - Modifications for the Toronto Roc													
Purchases of Buses	1,090,177	227,351	211,839	115,051	80,837	23,369	11,626	9,300				679,373	946,103
Bus Overhaul Program	222,929	32,487	43,892	33,593	29,698	29,734	15,158	67,320	64,392	41,044	60,998	418,316	312,482
Purchase of Streetcars	1,186,503	12,878	267,999	190,693	11,743							483,313	1,186,503
Sub-Total	3,894,645	924,726	1,216,194	886,362	624,737	402,940	297,531	330,041	306,907	298,760	372,088	5,660,286	3,889,310
Service Improvements													
Finishes - Various		200										200	
Other Bldgs & Structures Projects		25,105	11,404	5,230	5,225	5,305	3,530	3,430	3,260	2,900	3,185	68,574	
Other Service Planning		27,882	12,868	4,502	4,628	4,130	1,760	1,760	1,760	1,760	1,760	62,810	
Power Dist./Electric Systems - Various		201	210	210	220	220	230	230	240	240	299	2,300	
Purchase of Rail Non-Revenue Vehicle		91	6,633	13,002	6,237							25,963	
Subway Track		3,211	169	110								3,490	
Surface Track			4,000	4,310								8,310	
Transit Shelters & Loops											665	665	
Purchases of Buses	27,534	2,630	17,186	22,247	27,946	14,631		5,648				90,288	30,522
Sub-Total	27,534	59,320	52,470	49,611	44,256	24,286	5,520	5,420	10,908	4,900	5,909	262,600	30,522
Growth Related													
Fare Handling Equipment	800		1,060									1,060	800
Fare System	48,141	6,642	2,159									8,801	48,141
McNicol Bus Garage Facility	181,000	14,780	39,810	55,590	32,209	29,451						171,840	181,000
Other Bldgs & Structures Projects		9,240	3,970	3,650	197							17,057	
Other Service Planning		600	600	601								1,801	
Yards and Roads - Various		800										800	
Sub-Total		32,062	47,599	59,841	32,406	29,451						201,359	229,941
Total Expenditures by Category (excluding carry forward)	3,922,179	1,100,258	1,413,290	1,098,985	812,067	556,117	374,396	396,414	366,586	338,725	384,903	6,841,741	4,149,773

2017 – 2026 Capital Projects

The Preliminary 10-Year Capital Plan supports TTC's objectives of timely project delivery, maintaining SOGR, and improving and expanding the transit system. Listed below are the major capital projects by category.

Legislated

- Legislated projects require cash flow funding of \$717.496 million or 10.5% of the total Preliminary 10-Year Capital Plan.
 - *Easier Access Phase III (\$51.918 million)*
 - Funding of \$512.918 million is to make modifications to subway/RT stations to ensure that they are accessible to persons with disabilities through the addition of elevators, easier access fare gates, automatic sliding doors and signage improvements.
 - This project is spurred by the Accessibility for Ontarians with Disabilities Act (AODA) that was enacted in 2005 and requires all subway stations to be fully accessible by 2025.

State of Good Repair (SOGR)

- SOGR projects account for \$5.660 billion million or 82.7% of the total 10-Year Preliminary Capital Plan planned capital work.
 - *Purchase of Buses - \$679.373 million* is required to fund the purchase of buses (replacement and service improvement vehicles). These purchases will reduce the service impact arising from the delayed delivery of LRV's.
 - *ATC Resignalling (\$496.826 million)* – \$240.143 million to is required to improve the Line 1 YUS line and \$256.683 million to improve the Line 2 Bloor-Danforth (BD) Subway signaling system to replace antiquated conventional signaling with Automatic Train Control that will increase capacity by allowing for closer train headways.
 - *Purchase of Streetcars (\$483.316 million)* – The funding will provide for the continued purchase of 204 LRVs procured from 2012-2020. The current LRV procurement has been adjusted to account for the delay in the delivery of the vehicles by the manufacturer, along with a corresponding adjustment to cash flows in this Capital Plan.
 - *Bus Overhaul Program (\$316.920 million)* – This project includes the mechanical and body overhaul of Commission buses to ensure they continue to provide safe, reliable service until they reach retirement.
 - *Other Building & Structures (\$369.894 million)* – Funding is required to address for maintenance and improvements on subway roofs and ceilings to maintain these assets in a state of good repair.
 - *Bridges and Tunnels (\$353.517 million)* – Funding is required to address infrastructure maintenance and improvements to bridges and tunnels to maintain these assets in a state of good repair.
 - *Subway Track (\$352.142 million)* – Funding is required to support the Subway Track Program to maintain the asset in a state of good repair.
 - *Information Technology System-Infrastructure (\$342.993 million)* – Funding will provide for a variety of IT projects including work to reengineer business processes and implement SAP, and Enterprise Resource Planning (ERP) system, which will integrate TTC's financial information with the City of Toronto, and upgrade and improve the CAD (Computer Aided Dispatch)/AVL (Automatic Vehicle Location) System to provide operational improvement for surface vehicles and upgrade customer service.

Service Improvements

- Service Improvement projects account for \$262.200 million or 3.8% of the total 10-Year Preliminary Capital Plan's spending.
 - *Purchases of Buses (\$90.288 million)* – To reduce passenger wait times and crowding and to provide more reliable and expanded services.
 - *Other Building Structures (\$68.574 million)* – Funding will provide the support for the Station Transformation Program related to the implementation and improvement of communication systems, customer safety and security alarms, CCTV, and service monitoring/ management tools.
 - *Other Service Planning (\$62.810 million)* – The project will address *Transit Priority Measures* that focus on presenting more predictable and consistent travel times for riders.
 - ✓ The project encompasses the implementation of transit signal priority technology and the construction of queue-jump lanes to allow for buses approaching an intersection to move directly to the lane to pass the queue of stationary traffic.

Growth Related

- Growth Related projects total \$201.359 million or 2.9% of the total 10-Year Preliminary Capital Plan's expenditures.
 - *McNicol Bus Garage Facility (\$171.840 million)* – Funding will provide for the construction of an indoor storage and maintenance facility for 250 buses to accommodate ridership growth and expanding bus fleet.

2017 Preliminary Capital Budget and Future Year Commitments

Included as a sub-set of the 10-Year Capital Plan is the 2017 Preliminary Capital Budget and Future Year Commitments, that consists of 2017 and future year cash flow for projects previously approved by Council; adjustments (Scope Change) to those previously approved projects; as well as new projects that collectively require Council approval to begin, continue or complete capital work.

- Table 3a below lists the 2017 Preliminary Capital Budget and Future Year Commitments for TTC:

Table 3a
2017 Cash Flow & Future Year Commitments (In \$000s)

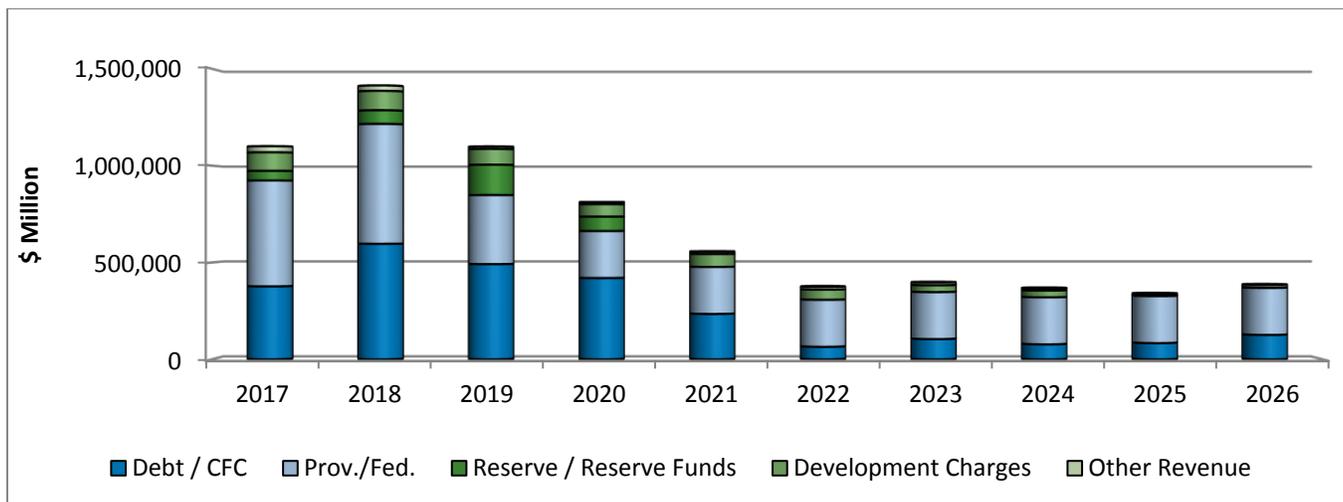
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total 2017 Cash Flow & FY Commits
Expenditures:											
Previously Approved											
ATC Resignalling	60,349	66,374	75,864	62,972	37,993	42,441	45,636	47,137	49,432	51,944	540,142
Automotive Non-Revenue Vehicles	2,800	2,800	2,960	2,480	923						11,963
Bridges and Tunnels - Various	39,937	33,846	18,786								92,569
Bus Overhaul Program	32,525	43,892	25,017								101,434
Communications - Various	25,616	23,006	11,565	3,402	2,410	2,034	1,713	717	492	6,359	77,314
Easier Access Phase II & III	42,772	54,584	66,094	76,332	74,489	66,364	33,420	19,801	9,800		443,656
Environmental Programs	6,482	9,015	4,765	8,601	11,379						40,242
Equipment - Various	34,443	42,309	27,418	22,985	6,213	219	89				133,676
Fare Handling Equipment	8,000	1,245	175	250	154						9,824
Fare System	7,259	2,736	483								10,478
Finishes - Various	18,190	17,606	2,665								38,461
Fire Ventilation Upgrade	10,918	14,708	30,966	34,038							90,630
Furniture & Office Equipment	393	124									517
Information Technology System-Infrastructure	82,269	85,966	30,857	35,345							234,437
Leslie Barns Streetcar Maint. & Storage Facility	18,761										18,761
McNicoll Bus Garage Facility	14,780	39,810	55,590	32,209	29,451						171,840
On-Grade Paving Rehabilitation	9,069	10,521	2,803	2,973							25,366
Other Bldgs & Structures Projects	69,169	129,696	91,967	47,757	3,326	687	715	499	663	2,500	346,979
Other Maintenance Equipment	2,090	5,730	1,048	902	960	287					11,017
Other Service Planning	31,482	5,667	601								37,750
Power Dist./Electric Systems - Various	9,098	7,504	1,224								17,826
Purchase of Rail Non-Revenue Vehicle	8,073	13,673	14,691	8,611	6,634	2,350					54,032
Purchase of Streetcars	12,878	267,999	190,693	11,743							483,313
Purchases of Buses	227,351	142,677									370,028
Queensway Bus Garage Renovations	189										
Rail Non-Revenue Vehicle Overhaul	2,050	2,075	1,765	1,783	1,669	1,685	1,152	454	467	370	13,470
Replacement of Wheel-Trans Vehicles	8										8
Signal Systems - Various	17,189	17,074	12,799	11,602	6,500	4,189	2,851	1,407			73,611
Streetcar Overhaul Program	12,515	1,801	410	1,043	1,315	688	4,241	12,744	6,198	11,853	52,808
Subway Car Overhaul Program	41,593	31,807	29,158	17,437	15,494	13,574	18,426	18,480	24,415	11,856	222,240
Subway Car Purchases	16,698	4,076									20,774
Subway Track	33,719	25,212									58,931
Surface Track	53,093	2,893									55,986
Tools and Shop Equipment	2,784	3,111	1,504	1,824	1,828	2,025	761				13,837
Toronto Rocket Yard & Storage Track Accommodation	47,754	83,863	86,252	90,674	43,685		250	250			352,728
Traction Power - Various	22,465	4,802	2,278								29,545
Transit Shelters & Loops	160	206	211	217	236	31					1,061
Yards and Roads - Various	2,774	10,208	10,553	12,229							35,764
Subtotal	1,027,695	1,208,616	801,162	487,409	244,659	136,574	109,254	101,489	91,467	84,882	4,293,018
Change in Scope											
ATC Resignalling	(40)	(40)	(2,518)	(4,091)	(4,494)	(3,000)	(6,845)	(7,071)	(7,415)	(7,802)	(43,316)
Bus Overhaul Program	297										297
Easier Access Phase II & III							23,244	24,901	21,117		69,262
Fare System	(442)	(452)	(483)								(1,377)
Fire Ventilation Upgrade				3,981	3,299						7,280
Leslie Barns Streetcar Maint. & Storage Facility	1,650	4,500	1,350								7,500
Other Bldgs & Structures Projects		123	200	197						285	805
Other Service Planning	29,750	8,200	200	200	200	170	170	170			39,060
Purchase of Rail Non-Revenue Vehicle		976	1,491	1,032							3,499
Purchases of Buses	2,630	86,348	137,298	108,783	38,000	11,626	9,300	5,648			399,633
Streetcar Overhaul Program			(410)	(410)	(666)	(266)	(2,663)	(10,386)			(14,801)
Subway Car Overhaul Program										14,040	14,040
Subway Track	301	169	110								580
Surface Track		2,743	4,310								7,053
Toronto Rocket Yard & Storage Track Accommodation		(12,160)									(12,160)
Yards and Roads - Various	159	(900)									(741)
Subtotal	34,305	89,507	141,548	109,692	36,339	8,530	23,206	13,262	13,702	6,523	476,614

Table 3a - Continued
2017 Cash Flow & Future Year Commitments (In \$000s)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total 2017 Cash Flow & FY Commits
New w/Future Year											
Equipment - Various				2,259	3,578						5,837
Finishes - Various			11,504	2,955							14,459
Furniture & Office Equipment		164									164
Information Technology System-Infrastructure				8,630	13,433	14,936	14,689	11,801	8,948	28,191	100,628
On-Grade Paving Rehabilitation			2,159								2,159
Other Bldgs & Structures Projects	29,975	25,025	21,572	21,464	25,429	3,530	3,430	3,260	2,887	2,185	138,757
Other Service Planning		7,801	4,502	3,772							16,075
Power Dist./Electric Systems - Various		1,876	1,783								3,659
Purchase of Rail Non-Revenue Vehicle			34	2,047	2,961	2,454	1,992				9,488
Rail Non-Revenue Vehicle Overhaul	1,371	1,271	1,592	855							5,089
Replacement of Wheel-Trans Vehicles	6,912	6,920									13,832
Subway Track		22,489									22,489
Surface Track		35,687									35,687
Traction Power - Various		9,515									9,515
Subtotal	38,258	110,748	43,146	41,982	45,401	20,920	20,111	15,061	11,835	30,376	377,838
Total Expenditure	1,100,258	1,408,871	985,856	639,083	326,399	166,024	152,571	129,812	117,004	121,781	5,147,470
Financing:											
Debt/CFC	376,563	595,283	452,690	349,687	119,329	26,175	44,541	32,437	22,953	73,388	2,093,045
Debt Recoverable											
Other	31,634	27,903	12,596	10,714	10,150	10,452	8,767	6,432	4,877	1,104	124,629
Reserves/Res Funds	50,139	70,277	127,718	41,980							290,114
Development Charges	95,479	100,150	81,573	63,938	64,837	50,505	33,019	32,919			522,420
Provincial/Federal	546,443	615,259	311,279	172,764	132,083	78,892	66,244	58,024	89,174	47,289	2,117,451
Total Financing	1,100,258	1,408,871	985,856	639,083	326,399	166,024	152,571	129,812	117,004	121,781	5,147,659

- Approval of the 2017 Preliminary Capital Budget of \$5.148 billion will result in the future year funding commitments of \$1.409 billion in 2018, \$0.986 billion in 2019, \$0.639 billion in 2020, \$0.327 billion in 2021, and \$0.687 billion in 2022 - 2026 for a total of \$5.148 billion.

Chart 3
2017 – 2026 Preliminary Capital Plan by Funding Source (In \$000s)



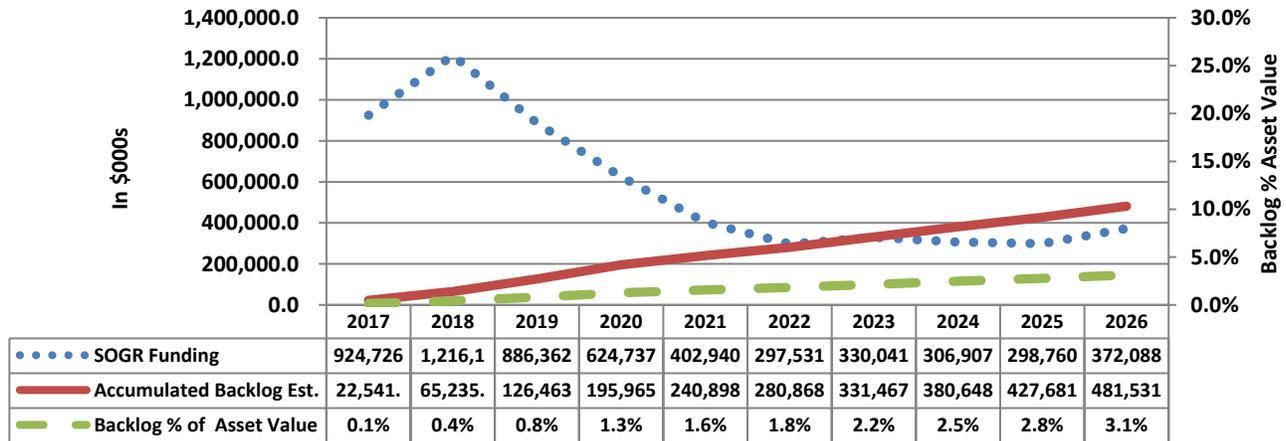
The Preliminary 10-Year Capital Plan of \$6.842 billion in cash flow funding will be financed by the following sources:

- Debt accounts for \$2.577 billion or 37.7% of the financing over the 10-year period.
 - This includes additional debt funded capital investments of \$434.387 million that have been made above the 10-year debt affordability guidelines of \$2.142 billion allocated to the TTC.

- This additional investment has been leveraged to support \$1.363 billion in new or accelerated TTC capital projects that have been included in Phase 1 of the federal PTIF program from 2016 to 2019.
- Federal funding of \$2.247 billion or 32.8% of the Preliminary 10-Year Capital Plan's projected expenditures is mainly comprised of:
 - \$580.247 million PTIF;
 - \$1.667 billion Federal Gas
- Provincial funding of \$973.260 million or 14.2% of the Preliminary 10-Year Capital Plan's projected expenditures mainly comprised of:
 - \$752.244 million Provincial Gas tax; and
 - \$187.762 million to fund the purchase of new streetcars
- Reserve and Reserve Funds constitute \$351.523 million or 5.1% of required funding over 10 years for the following major projects:
 - The Capital Financing Reserve will provide non-debt which is originally from the City's Capital financing strategy that directs the use of surplus operating funds in accordance with the City's surplus management policy, Build Toronto and one-time TPA dividends to reserve for the purpose of funding critical capital projects supplementing City debt.
 - The Capital Financing Reserve had forecasted \$250 million in anticipated future Federal/Provincial funding programs.
 - The Capital Financing Strategy has been adjusted as part of the 2017 Budget process, replacing future Federal/Provincial funding assumptions with actual Federal funding under the PTIF program with the TTC Capital Program.
- Development Charges, which represent \$532.980 million or 8.0% of the required funding in the first five years and \$125.243 million or 1.8% over the last five years of the Preliminary 10-Year Capital Budget and Plan.
 - These projects have been reviewed to ensure that development charge funding is applied to the fullest extent based on project eligibility and funding available under rates approved as part of the current DC By-Law.
- Other Sources of funding account for \$160.386 million or 2.3% of overall Capital funding for TTC. This is predominately comprised of \$155.684 million in funding from TTC internal depreciation.
 - This funding will be utilized for the following redevelopment / revitalization projects:
 - Information Technology System-Infrastructure;
 - Automotive Non-Revenue Vehicles; and
 - Tools and Shop Equipment.

State of Good Repair (SOGR) Backlog

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



- The 10-Year Capital Plan dedicates \$5.660 billion to SOGR spending over the 10-Year Capital Plan, of which \$4.055 billion or 71.6% of spending is in the first five years.
- The replacement value of TTC's assets is estimated at \$15.4 billion, based on replacement costs, incorporating bridges, tunnels, building, yards, roads, and subway and surface track. A large portion of TTC's infrastructure is more than 50 years old.
- TTC's backlog of SOGR capital projects was established in the 2014-2023 Approved Capital Plan and updated annually based on the amount of SOGR projects included in the list of unfunded capital projects.
- At its September 6, 2016 TTC Budget Committee meeting, a Capacity to Spend Analysis report was presented with a recommendation to endorse the concept of a capacity to spend reduction target to be applied to the TTC's 2017-2026 Capital Budget and Plan.
 - Subsequent to the September 6th meeting a more in-depth analysis was undertaken. The total capacity to spend amount was amended to \$482 million over the 10 years, reflecting an increase from \$346 million identified as part of the 2017 Budget process.
 - This amount was calculated through an applied reduction of 20% for applicable SOGR projects in the first 4 years of the Plan and a 15% reduction for the remaining 6 years based on a spending rate of 80% and 85% respectively.
 - The capacity to spend analysis will be reviewed and updated each year during preparation of the following year's Capital Budget based on program performance and ability to spend and will be adjusted accordingly.
 - This report is available through the link below:
 - [http://ttc.ca/About the TTC/Commission reports and information/Committee meetings/Budget/2016/September 6/Reports/4. Proposed 2017 - 2026 TTC CAPITAL BUDGET REPORT.pdf](http://ttc.ca/About%20the%20TTC/Commission%20reports%20and%20information/Committee%20meetings/Budget/2016/September%206/Reports/4.%20Proposed%202017%20-%202026%20TTC%20CAPITAL%20BUDGET%20REPORT.pdf)
- The state of good repair backlog by asset category is presented in the table below:

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

Total	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
State of Good Repair Funding	924,726	1,216,194	886,362	624,737	402,940	297,531	330,041	306,907	298,760	372,088
Accumulated Backlog Est. (yr end)	22,541	65,235	126,463	195,965	240,898	280,868	331,467	380,648	427,681	481,531
Backlog %Asset Value	0.1%	0.4%	0.8%	1.3%	1.6%	1.8%	2.2%	2.5%	2.8%	3.1%
Asset Value	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000	15,400,000
ATC Resignalling										
State of Good Repair Funding	60,309	66,334	73,346	58,881	33,499	39,441	38,791	40,066	42,017	44,142
Accumulated Backlog Est. (yr end)	40	80	2,598	6,689	11,183	14,183	21,028	28,099	35,514	43,304
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Bridges and Tunnels - Various										
State of Good Repair Funding	39,937	33,846	29,701	29,421	32,896	34,955	36,013	37,216	39,473	40,059
Accumulated Backlog Est. (yr end)	2,693	9,668	16,962	24,317	30,122	36,291	42,646	49,214	56,180	63,249
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Equipment - Various										
State of Good Repair Funding	32,099	40,091	26,498	24,244	20,826	14,462	10,213	9,566	9,233	13,848
Accumulated Backlog Est. (yr end)	1,864	3,248	5,778	8,428	10,438	12,061	13,796	15,402	17,031	19,298
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Fire Ventilation Upgrade										
State of Good Repair Funding	10,918	14,708	30,966	38,019	3,299	-	-	-	-	-
Accumulated Backlog Est. (yr end)	2,729	6,406	14,147	23,652	23,652	23,652	23,652	23,652	23,652	23,652
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
On-Grade Paving Rehabilitation										
State of Good Repair Funding	9,069	10,521	10,792	14,037	15,731	16,036	10,200	10,353	10,509	10,666
Accumulated Backlog Est. (yr end)	645	2,973	5,671	9,180	11,956	14,786	16,586	18,413	20,267	22,149
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Bus Overhaul Program										
State of Good Repair Funding	32,487	43,892	33,593	29,698	29,734	15,158	67,320	64,392	41,044	60,998
Accumulated Backlog Est. (yr end)	-	-	5,928	13,352	18,599	21,274	33,154	44,517	51,760	62,524
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Subway Track										
State of Good Repair Funding	30,809	47,701	34,992	35,337	38,129	31,865	32,400	33,027	33,653	34,229
Accumulated Backlog Est. (yr end)	-	-	5,951	14,785	21,514	27,137	32,855	38,683	44,622	50,662
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Surface Track										
State of Good Repair Funding	53,093	37,323	23,846	23,642	27,546	26,892	27,565	23,820	27,248	32,561
Accumulated Backlog Est. (yr end)	-	8,481	14,443	20,353	25,214	29,960	34,825	39,028	43,836	49,582
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										
Other SOGR Projects										
State of Good Repair Funding	656,005	921,778	622,628	371,458	201,280	118,722	107,539	88,467	95,583	135,585
Accumulated Backlog Est. (yr end)	14,570	34,379	54,985	75,209	88,220	101,524	112,925	123,640	134,819	147,111
Backlog %Asset Value	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asset Value										

10-Year Capital Plan: Net Operating Budget Impact

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

Projects	2017 Budget		2018 Plan		2019 Plan		2020 Plan		2021 Plan		2017 - 2021		2017 - 2026	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
<i>McNicoll Bus Garage Facility - Growth</i>	-	-	-	-	-	-	9,764.9	68.8	-	-	9,764.9	68.8	9,764.9	68.8
<i>Communications - SOGR</i>	(13,115.0)	(131.0)	(18,510.0)	(163.0)	(632.0)	-	(647.0)	-	(657.0)	-	(33,561.0)	(294.0)	(37,054.0)	(294.0)
<i>Easier Access Phase III - Legislated</i>	52.0		42.0		31.0		146.0		63.0		334.0		691.0	
<i>Fare Handling Equipment - SOGR</i>	-		4,000.0		-		-		-		4,000.0		4,000.0	
<i>Fare System - SOGR</i>	(1,075.5)	4.0	6.1	(11.0)	(204.7)	-	-	(2.0)	-	-	(1,274.1)	(9.0)	(1,274.1)	(9.0)
<i>Fire Ventilation Upgrade - SOGR</i>	-	-	-	-	-	0.1	8.0	-	8.0	0.1	16.0	0.2	24.0	0.3
<i>Information Tech. System-Infrastructure - SOGR</i>	2,979.0	7.8	4,949.7	8.5	4,354.2	-	1,005.0	4.5	272.6	0.5	13,560.5	21.3	16,189.1	21.8
<i>Leslie Barns Streetcar Main. & Storage Facility</i>	544.6		-		-		-		-		544.6		544.6	
<i>Other Buildings & Structure - Improvement</i>	(383.0)	-	(5,277.0)	(51.0)	383.0	-	277.0	-	-	-	(5,000.0)	(51.0)	(5,000.0)	(51.0)
<i>Other Buildings and Structures - Legislated</i>	968.0	8.0	738.0	6.0	170.0	2.0	290.0	3.0	232.0	2.0	2,398.0	21.0	4,266.0	34.0
<i>Other Service Planning - Improvement</i>	(42.0)	0.3	(40.0)	-	70.0	-	70.0	-	70.0	-	128.0	0.3	338.0	0.3
<i>Purchase of Rail Non-Revenue Vehicle - SOGR</i>	-		-		(420.0)		-		(800.0)		(1,220.0)		(1,220.0)	
<i>Signal Systems - SOGR</i>	67.0	1.1	65.0	0.6	65.0	0.6	69.0	0.6	43.0	-	309.0	2.9	514.0	3.5
<i>Bus Overhaul Program - Leg</i>	561.0	7.0	-	-	-	-	-	-	-	-	561.0	7.0	561.0	7.0
Total (Net)	(9,443.9)	(102.8)	(14,026.2)	(209.9)	3,816.5	2.7	10,982.9	74.9	(768.4)	2.6	(9,439.1)	(232.5)	(7,655.5)	(218.3)

The Preliminary 10-Year Capital Plan will reduce future year Operating Budgets by a total of (\$7.656 million) net over the 2017 – 2026 period, as shown in the table above.

This is comprised of expenditure increases / decreases for the following capital projects:

- *McNicoll Bus Garage Facility* – This projects additional funding represents an increase that will be required for increased costs to operate the new bus garage.
- *Communications* – Cost savings will result from upgrades to support the One Train Operator initiative (OPTO). OPTO was implemented on October 9, 2016 on Line 4. With OPTO technology, subway operators drive the train and operate its doors from the lead cab. A Subway Guard will no longer be onboard resulting in savings. When OPTO is rolled out to Line 1, savings in the order of \$18 million annually are anticipated.
- *Information Tech. Systems-Infrastructure* – Cost increase related to systems maintenance, licensing and fees customer service. The project will provide for a variety of IT projects including work to reengineer business processes and implement SAP, an Enterprise Resource Planning (ERP) system, which will integrate TTC's financial information with the City of Toronto, and upgrade and improve the CAD (Computer Aided Dispatch)/AVL (Automatic Vehicle Location) System to provide operational improvement for surface vehicles and upgrade customer service
- These future operating impacts will be reviewed each year as part of the annual Operating Budget process.



Part 2:

Issues for Discussion

Issues Impacting the 2017 Capital Budget

Review of Capital Projects and Spending

- City Council, at its meeting of July 12, 2016 considered the report entitled "*2017 Budget Process – Budget Directions and Schedule EX16.37*" and directed staff to:
 - Submit their 2017 – 2026 Capital Budget and Plans requiring that annual cash flow funding estimates be examined to more realistically match cash flow spending to project activities and timing, especially in the first 5 years of the Capital Plan's timeframe.
- On September 6, 2016 a report titled "*Capital Budget: Capacity-to-Spend Analysis*" was submitted to the TTC Budget Committee. The report sought to formalize and establish an ongoing program of actual spending of the TTC's Capital Program, identifying root causes of under spending and adjusting the capital budget where applicable.
https://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Committee_meetings/Budget/2016/September_6/Reports/3_Capital_Budget_Capacity_-_to_-_Spend_Analysis.pdf
- TTC and the Financial Planning staff have reviewed the TTC's overall spending trends over the past four budget cycles these adjustments have been incorporated into previous 10-Year Capital Plan and added to the list of unfunded projects.
- TTC staff have been directed to target a 90% spend rate to budget for the 2017 budget year.
 - Historically between 2006 and 2015, the average annual capital expenditure rate was approximately 80% of budget.
 - Between 2013 and 2015, the average annual rate dropped to 76%.
 - In 2015, the Capital budget was \$1.149 billion; however, actual expenditures for the year totaled \$881 million or 77% to 2015 Approved Capital Budget.
- Recognizing this trend, Financial Planning Division staff began working with TTC staff in 2014 to analyze the TTC's capacity-to-spend based on historical spending.
 - That exercise identified opportunities to reduce cash flow funding and timing for various state of good repair projects based on the Program's capacity to spend, with funds made available being applied against other unfunded capital needs that were ready to proceed subject to available funding.
 - As part of the 2016 Budget process, this exercise identified \$346 million in "below the line" projects that have been added to TTC's SOGR backlog.
 - Following the review conducted by the TTC as part of the 2017 Budget process, the capacity to spend adjustment has increased by \$136 million to \$482 million, along with a corresponding increase to the list of TTC unfunded capital projects.
 - In addition to funding added for PTIF projects, this review ensured that \$136 million in existing funding could be applied to other TTC capital needs that are ready to proceed.

Capital Financing Strategy

- In order to manage the significant funding required to address SOGR funding requirements for Bridges and Tunnels, Signal Systems and Subway Car Overhaul Program, the City is continuing its reliance on the capital financing strategy introduced in 2013 to fund specific TTC capital projects.

- \$351.523 million from the Capital Financing Reserve will be required to fund the TTC's 2017-2026 Capital Budget and Plan, which will be provided from the City's capital financing reserve that utilizes proceeds from:
 - The use of surplus operating funds in accordance with the City's surplus management policy;
 - Municipal Land Transfer Tax (MLTT) revenue above the base estimates included in the Operating Budget;
 - Development Charge revenue increases anticipated to be generated following completion of the next Bylaw;
 - Build Toronto Dividends; and
 - Toronto Parking Authority one-time dividends.
- It is anticipated that the capital financing strategy will continue to help fund the TTC's Capital Program into futures years, as funding utilized to support the completion of capital work enabling the City to avoid debt borrowing and associated debt servicing costs in the City's Operating Budget.
 - The Capital Financing Strategy has been adjusted as part of the 2017 Budget process, replacing \$250 million in future Federal/Provincial funding assumptions with actual Federal funding under the PTIF program within the TTC's 10-Year Capital Plan.

Public Transportation Infrastructure Fund

On March 22, 2016, the 2016 Federal Budget was announced and included a plan to invest more than \$120 billion in infrastructure over the next 10 years. 2016 Federal budget – March 22, 2016
<http://www.budget.gc.ca/2016/docs/plan/budget2016-en.pdf>.

- As part of Canada's New Infrastructure Plan, the government will focus primarily on infrastructure investments to modernize and rehabilitate public transit, water and wastewater systems, provide affordable housing, and protect existing infrastructure from the effects of climate change.
 - This phase of the Government's infrastructure plan proposes to provide \$11.9 billion over five years, including \$3.4 billion over three years to upgrade and improve public transit systems across Canada.
 - To get projects moving quickly, the Government announced that they will fund up to 50 per cent of eligible costs for projects. Funding under the Public Transit Infrastructure Fund (PTIF) program will be allocated to municipalities based on ridership.

Federal Public Transit Infrastructure Fund:
<http://www.infrastructure.gc.ca/plan/ptif-fitc/ptif-program-programme-eng>.
- In August 2016, the Government of Canada and the Government of Ontario signed a bilateral agreement that will provide Ontario with \$1.49 billion of Federal funding to cover up to 50 per cent of initiatives supported under this agreement.
 - In September 2016, the City of Toronto's allocation (Federal share) of \$856 million was confirmed by the Province of Ontario.
 - When including matching City funding, \$1.770 billion in capital projects City-wide have been identified as eligible for federal funding under the PTIF program, as follows:
 - ✓ TTC projects - \$1.363 billion, with a federal share of \$681.5 million;
 - ✓ City projects (Non-TTC) - \$407.4 million, with a federal share of \$151.6 million; and
 - ✓ \$23 million in remaining unapplied PTIF funding that will be identified as part of the 2017 Budget process.
- Based on the terms and conditions of this program, funding is available between April 1, 2016 and March 31, 2018 with provision (based on a demonstrated need) that a 1 year extension (to March 31, 2019) may be granted, provided that funds in the third year do not exceed 25% of the allocated amount (i.e. \$428 million).

- TTC PTIF project list includes \$673 million or approximately 50% in funding for buses, inclusive of purchases and rebuilds that had been previously unfunded or accelerated purchases that had been previously scheduled for future years.
- The purchases of the buses to reduce passenger wait times and crowding and to provide more reliable and expanded services.
- The remaining projects are all state of good repair i.e. Subway track rehabilitation and Surface track replacement.

Unmet Capital Projects Included in the Preliminary 10-Year Capital Plan

The 2017 – 2026 Preliminary Capital Plan for the TTC includes \$1.015 billion in funding through additional federal PTIF (\$580.247 million) and City debt (\$434.387million) funding.

The following is a list of capital projects that have been included in the Preliminary 10-Year Capital Plan as a result of this additional capital investment:

Project Description (\$000s)	Criteria	Total Project Expenditure	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Purchase 29 (of 99) Low Floor 40 ft Diesel Buses for Customer Service Initiatives	4	19,816	2,630	17,186								
Purchase of 496 Low Floor 40ft Diesel Buses	4	325,277	150,669	140,543	34,065							
400 Wheel-Tran Buses	4	21,469	6,920	6,920	7,629							
Total		366,562	160,219	164,649	41,694							

Criteria to evaluate unfunded priority capital projects

4. Capital projects that leverage an opportunity that would otherwise be missed (financial/timing/coordination)

- The above projects had been included in the \$2.679 billion TTC unfunded list that was presented as part of the 2016 Budget process.
- Further reductions to unmet needs could not be made by utilizing funding from the PTIF program due to the terms and conditions of this program that requires completion of capital projects by March 31, 2018 with provision (based on a demonstrated need) that a 1 year extension may be granted.

Unmet Needs

- While the City has made advancements on further reducing unfunded TTC capital priority projects, the following is a list of the remaining \$2.435 billion in TTC capital projects that are not included in the 2017-2026 Preliminary Capital Plan due to debt affordability constraints:

Project Description (\$000s)	Total Project Expenditure	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Items identified as "Below the line"											
Fire Ventilation Upgrade	162,742.0					53,230.0	49,845.0	20,770.0	13,460.0	13,561.0	11,876.0
Subway Car Purchases	1,185,221.0		249.0	524.0	584.0	1,523.0	293,407.0	161,569.0	158,376.0	298,699.0	270,290.0
Purchases of Buses	244,576.0					75,056.0	85,517.0	53,165.0	16,229.0		14,609.0
Purchase of Streetcars	360,885.0	275,093.0	85,792.0								
Sub-Total Unmet Needs	1,953,424.0	275,093.0	86,041.0	524.0	584.0	129,809.0	428,769.0	235,504.0	188,065.0	312,260.0	296,775.0
Capacity to spend items											
ATC Resignalling	43,304.0	40.0	40.0	2,518.0	4,091.0	4,494.0	3,000.0	6,845.0	7,071.0	7,415.0	7,790.0
Automotive Non-Revenue Vehicles	5,175.0	700.0	700.0	740.0	620.0	465.0	495.0	510.0	315.0	315.0	315.0
Bridges and Tunnels - Various	63,249.0	2,693.0	6,975.0	7,294.0	7,355.0	5,805.0	6,169.0	6,355.0	6,568.0	6,966.0	7,069.0
Communications - Various	11,908.0	1,530.0	1,425.0	1,313.0	1,160.0	920.0	1,084.0	1,072.0	1,029.0	1,104.0	1,271.0
Environmental Programs	6,295.0	640.0	680.0	700.0	720.0	555.0	570.0	585.0	600.0	615.0	630.0
Equipment - Various	19,298.0	1,864.0	1,384.0	2,530.0	2,650.0	2,010.0	1,623.0	1,735.0	1,606.0	1,629.0	2,267.0
Finishes - Various	20,986.0	803.0	954.0	3,082.0	3,468.0	3,238.0	3,933.0	1,635.0	1,326.0	1,148.0	1,399.0
Fire Ventilation Upgrade	23,652.0	2,729.0	3,677.0	7,741.0	9,505.0						
Furniture & Office Equipment	683.0	98.0	72.0	52.0	137.0	64.0	36.0	74.0	35.0	76.0	39.0
Information Technology System-Infrastructure	2,354.0	602.0	213.0	228.0	253.0	180.0	177.0	163.0	168.0	172.0	198.0
On-Grade Paving Rehabilitation	22,149.0	645.0	2,328.0	2,698.0	3,509.0	2,776.0	2,830.0	1,800.0	1,827.0	1,854.0	1,882.0
Other Bldgs & Structures Projects	33,099.0	3,626.0	7,649.0	8,118.0	5,791.0	1,818.0	1,169.0	1,360.0	1,109.0	1,149.0	1,310.0
Other Maintenance Equipment	3,518.0	523.0	1,432.0	262.0	226.0	169.0	178.0	170.0	170.0	192.0	196.0
Other Service Planning	4,231.0	1,240.0	407.0	407.0	407.0	305.0	305.0	305.0	305.0	275.0	275.0
Power Dist./Electric Systems - Various	10,801.0	1,224.0	1,159.0	1,162.0	1,165.0	968.0	969.0	981.0	993.0	1,030.0	1,150.0
Rail Non-Revenue Vehicle Overhaul	814.0	32.0	56.0	44.0	158.0	120.0	77.0	78.0	80.0	83.0	86.0
Replacement of Wheel-Trans Vehicles	10,185.0				1,602.0	1,262.0	1,325.0	1,391.0	1,461.0	1,534.0	1,610.0
Signal Systems - Various	4,422.0	538.0	616.0	520.0	469.0	355.0	364.0	373.0	383.0	394.0	410.0
Subway Track	50,662.0			5,951.0	8,834.0	6,729.0	5,623.0	5,718.0	5,828.0	5,939.0	6,040.0
Surface Track	49,582.0		8,481.0	5,962.0	5,910.0	4,861.0	4,746.0	4,865.0	4,203.0	4,808.0	5,746.0
Tools and Shop Equipment	4,203.0	696.0	778.0	376.0	456.0	323.0	357.0	300.0	302.0	292.0	323.0
Traction Power - Various	27,972.0	2,278.0	3,617.0	3,549.0	3,538.0	2,227.0	2,222.0	2,360.0	2,394.0	2,754.0	3,033.0
Transit Shelters & Loops	465.0	40.0	51.0	53.0	54.0	42.0	43.0	44.0	45.0	46.0	47.0
Bus Overhaul Program	62,524.0			5,928.0	7,424.0	5,247.0	2,675.0	11,880.0	11,363.0	7,243.0	10,764.0
Sub-Total Capacity to spend	481,531.0	22,541.0	42,694.0	61,228.0	69,502.0	44,933.0	39,970.0	50,599.0	49,181.0	47,033.0	53,850.0
Total Unmet needs	2,434,955.0	297,634.0	128,735.0	61,752.0	70,086.0	174,742.0	468,739.0	286,103.0	237,246.0	359,293.0	350,625.0

- The Fire Ventilation Upgrade project provides for the upgrade of the subway ventilation system and construction of second exits at subway stations to improve health and safety throughout the subway system.
 - As this is not a mandated project, \$162.742 million from 2021 to 2026 of cash flows funds for this project is being placed "below the line".
 - TTC staff will undertake a planning phase to re-assess the fire ventilation portion and establish an achievable project delivery plan that will recommend a project implementation strategy, budget and schedule.
- In order to replace the current T1 subway cars in service, TTC requires funding of \$1.185 billion with the majority of the funding required in the last 5 years of the 10-year period.
 - This project is being placed below the line as this commitment is not required until 2018
 - By 2025, the T1 subway car fleet will be reaching the end of its useful life after 30 years of revenue service.
- TTC operates buses for 18 years. The TTC submission was based on incorporating mechanical rebuilds after 6 and 12 years in service, with the body structure work occurring at the bus midlife, 9 years. In addition, a hybrid overhaul program is scheduled after 12 years of bus life for all Hybrid buses which includes the replacement of major Hybrid components for these vehicles.
 - Due to affordability constraints, scheduled overhauls and a supply of Hybrid component parts (\$244.576 million) in years 2021-2024 have been placed below the line.

- 60 additional Streetcars, based on ridership growth projections, were requested at a cost of \$360.885 million from 2017-2018.
 - This request will be evaluated in during 2017 to determine the timing and required course of action to proceed given the difficulties in obtaining the first 60 vehicles in the existing order.
- Following a combination of past (2014 – 2016 Budget Processes) and current (2017 Budget process) capacity to spend reviews conducted by the TTC, \$482 million in state-of-good-repair projects have been added in the list of TTC unmet capital needs, ensuring available funding can be applied towards other priority TTC projects that are ready to proceed.

Additional Unfunded TTC Capital Projects Not Included Below the Line

- In addition to \$2.4 billion in unfunded capital priority projects not included in the TTC 10-Year Capital Plan, TTC has identified the following projects that will require future funding considerations, which are not included in the 2017-2026 Capital Plan nor are they on the list of unfunded priority projects held "below the line." The major projects include:
 - a) Fire Ventilation Upgrades (\$1.493 billion);
 - b) Yonge-Bloor Capacity Improvements (\$1.117 billion);
 - c) Waterfront Initiatives (\$90 billion)
 - West Donlands Streetcar line
 - Purchase of 4 addition LRTs for the Bremner Blvd Streetcar line
 - d) New Davisville Facility Detail Design and Construction (\$400.0 million);
 - e) Station Modernization Program for the University Subway Station Renaissance (\$120 million); and
 - f) Islington Station Improvements (\$76 million)
- Approximately, a further \$5.550 billion in funding for major projects, which are not included in the 2017-2026 Capital Plan nor are they on the list of unfunded priority projects are held "below the line."
- Therefore, the total TTC unmet needs will amount to approximately \$7.228 billion in the future. The TTC believes the funding for these additional projects are vital to meet future passenger growth and system safety requirements.

Reporting on Major Capital Projects:

Toronto-York Spadina Subway Extension – Funding Adjustments

- The Toronto - York Spadina Subway Extension (TYSSE) is an 8.6km extension from Downsview Station northwest through York University within the City of Toronto and north to the Vaughan Metropolitan Centre, in The Regional Municipality of York.
 - This project will provide a critical extension for the existing TTC subway system across the municipal boundary between the City of Toronto and York Region.
- The original budget for the Toronto-York Spadina Subway Extension Project (TYSSE) was \$2.634 billion. In March 2015, the budget was revised to \$2.784 billion, and at that time, it was reported that after undertaking

the necessary due diligence, TTC staff would report back with the full expected cost of the TYSSE project reset.

- Toronto Transit Commission (TTC) Board adopted the Report of January 21, 2016 entitled "*Toronto-York Spadina Subway Extension – Schedule and Budget Reset*", including its confidential attachment. The TTC report identified additional estimated project reset costs of \$400 million, bringing the total project budget to \$3.184 billion and sought confirmation from Toronto City Council and York Region of funding their respective shares of the increased costs. The confidential attachment to the TTC Board report discusse legal strategies and other legal exposures due to outstanding claims and litigation matters.

This report is available through the link below:

https://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2016/January_21/Reports/Decisions/TYSSE_Schedule_and_Budget_Reset.pdf

- At its meeting of February 3, 2016 City Council adopted the Report entitled, Toronto - York Spadina Subway Extension – Schedule and Budget Reset, requesting staff to increase the 2016 Capital Budget and 2017-2025 Capital Plan for the Toronto-York Spadina Subway Extension Project by \$400 million, with \$240 million representing the City of Toronto's share of costs, and the remaining \$160 million reflecting the Regional Municipality of York's share. The City's share of \$240 million be funded through additional borrowing.

This report is available through the link below:

[https://eportal.toronto.ca/f5-w-687474703a2f2f6170702e746f726f6e746f2e6361\\$\\$/tmmis/findAgendaItem.do](https://eportal.toronto.ca/f5-w-687474703a2f2f6170702e746f726f6e746f2e6361$$/tmmis/findAgendaItem.do)

Funding Partner:	Original TYSSE Project Budget	March 26, 2015 Revised Project Budget	Anticipated Move Ontario Trust Shortfall	January 21, 2016		% of funding	
				Incremental Project Reset Cost	Project Reset Budget	Original	Adjusted
\$millions							
Federal	\$697	\$697			\$697	26.5%	21.9%
Provincial/Move Ontario Trust	\$1,059*	\$1,059*	(\$85)		\$974	40.2%	30.6%
City of Toronto	\$526	\$616	\$51	\$240	\$907	20.0%	28.5%
York Region	\$352	\$412	\$34	\$160	\$606	13.3%	19.0%
Total	\$2,634	\$2,784		\$400	\$3,184	100.0%	
<i>Sources of City Funding:</i>							
<i>Development Charges (pre-debt issuance)</i>	67	67			67		
<i>Tax increment Financing</i>	99	0			0		
<i>Strategic Infrastructure Reserve Fund</i>	16	115			115		
<i>Capital Financing Reserve Fund</i>		90			90		
<i>Debt (tax and DC supported)</i>	344	344			635		

* including investment income as projected in 2007

- \$2.303 billion has been spent to date.
- \$705.311 million in remaining cash flow inclusive of \$361.514 million in carryforwards.
- The expected completion date is late 2017

Scarborough Subway Extension

At its meeting of October 8-11, 2013, City Council adopted as amended item CC39.5 "Scarborough Rapid Transit Options: Reporting on Council Terms and Conditions." This action approved the removal of the Scarborough LRT from the Master Agreement with Metrolinx and accepted the redirection of a minimum of \$1.48 billion (in 2010 dollars) of Provincial funding to the City, for the purpose of the construction of the Scarborough Subway Extension.

- The total estimated cost for the Scarborough Subway Extension is \$3.56 billion (expressed in inflated dollars, or \$2.5 billion in 2010 dollars). Current funding commitments received for the construction of the subway extension are as follows:
 - Provincial government - \$1.99 billion (expressed in inflated dollars, or \$1.48 billion in 2010 dollars);
 - Federal government - \$660 million (expressed in inflated dollars);
 - As a result, the net amount that the City will be required to fund is estimated at \$910 million (inflated dollars). The City will fund its share of the project through a combination of approved dedicated property taxes increases totalling 1.6% and Development Charges.
- On July 13, 2016, City Council considered EX16.1 "Developing Toronto's Transit Network Plan to 2031", City Council removed a three-stop Scarborough Subway Extension from further consideration, and directed the City Manager and the Chief Executive Officer, TTC to continue to develop an express SSE option by undertaking a third-party cost validation of the TTC's 5% design cost estimate.
 - City Council also approved \$7 million for planning and technical analysis on the Eglinton East LRT to 5% design.
- City Council adopted the concept of an express subway extension from Kennedy to Scarborough Centre. The preferred alignment for the express subway will be identified through the Environmental Assessment. Based on scope confirmation through the EA process, the project budget and schedule will be confirmed as design is developed to the 30% stage, factoring in delivery strategy and risk.
- This report is available through the link below:
[https://eportal.toronto.ca/f5-w-687474703a2f2f7777772e746f726f6e746f2e6361\\$\\$/legdocs/mmis/2016/ex/bgrd/backgroundfile-94597.pdf](https://eportal.toronto.ca/f5-w-687474703a2f2f7777772e746f726f6e746f2e6361$$/legdocs/mmis/2016/ex/bgrd/backgroundfile-94597.pdf)
- The following table reflects the current capital project plan for the Scarborough Subway Extension identifying the timing of proposed cash flows and anticipated funding.

Description (\$000s)	YTD		2017	2018	2019	2020	2021	2022	2023	2024	2025	Total Project
	Budget	Actual										
TOTAL GROSS ANNUAL EXPENDITURES AND PLAN												
SCARBOROUGH SUBWAY EXTENSION												
Scarborough Subway	126,650	45,059	-	539,710	400,327	478,896	474,982	555,511	456,710	247,581	24,633	3,305,000
SRT Life Extension	35,500	14,704	22,807	38,253	16,833	6,279	3,484	6,873	1,971			132,000
SRT Decommissioning & Demolition											123,000	123,000
Carry Forward Funding (Scarborough Subway)			96,492									
Carry Forward Funding (SRT Life Extension)			15,567									
TOTAL GROSS ANNUAL EXPENDITURES AND PLAN	162,150	59,763	134,866	577,963	417,160	485,175	478,466	562,384	458,681	247,581	147,633	3,560,000
FINANCING												
Property Tax - Debt	102,136	43,434		99,498	82,000	79,000	68,000	48,000	8,000	37,312	17,190	541,136
Property Tax - CFC (Scarborough Transit RF)	60,014	16,329	16,741	67,833	16,433	11,991	8,009	3,662	6,603	-	12,578	203,864
Development Charges			6,066	20,000	20,000	20,000	20,000	20,000	20,000	8,854	30,080	165,000
Federal Funding				55,455	163,157	153,371	133,137	99,401	45,693	6,817	2,969	660,000
Provincial Funding				335,177	135,570	220,813	249,320	391,322	378,385	194,597	84,816	1,990,000
TOTAL FINANCING	162,150	59,763	22,807	577,963	417,160	485,175	478,466	562,384	458,681	247,581	147,633	3,560,000



Appendices

Appendix 1

2016 Performance

2016 Key Accomplishments

In 2016, TTC made significant progress and/or accomplished the following:

- ✓ PRESTO enabled system-wide
- ✓ Faregate installation ongoing
- ✓ WI-FI enablement ongoing
- ✓ LRVs rollout continues (expect 30 in revenue service by year-end)
- ✓ One Person Train Operation (OPTO) pilot on Line 4
- ✓ Started subway service on Sundays one hour earlier, at 8:00 a.m.
- ✓ Introduced five new express services to reduce crowding and provide faster bus service
- ✓ Introduced new streetcar service on Cherry Street to the West Donlands, to serve a growing new neighbourhood
- ✓ Installed an external route announcements system on all streetcars, subway trains and buses

2016 Financial Performance

2016 Budget Variance Analysis (in \$000's)

2016 Budget	As of Sept. 30, 2016		Projected Actuals at Year-End		Unspent Balance	
\$	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
1,220,445	454,978	37.3%	970,263	79.5%	250,182	20.5%

* Based on 2016 Third Quarter Capital Variance Report

For additional information regarding the 2016 Q3 capital variances and year-end projections for TTC, please refer to the attached link for the report entitled "*Capital Variance Report for the Nine-Month Period Ended September 30, 2016*" considered by City Council at its meeting on December 13, 2016.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.BU26.4>

Impact of the 2016 Capital Variance on the 2017 Preliminary Capital Budget

- TTC has experienced major delays impacting their 2016 capital spending related to the purchase of the new LRVs. TTC staff are working with the manufacturer to address the issues and delays surrounding the LRV order. It is difficult to determine with high level of confidence the projected cash flows for 2016 due to the lack of a detailed production schedule from the manufacturer. The cash flows and projections for this project have been adjusted to reflect what is currently known based on revised delivery schedule and other projected expenditures.
- TTC is facing delays with the Train Door Monitoring project: it has been deferred due to schedule change based on availability and overall system rollout plans; Public Address and Passenger Assist Intercom projects deferred to align with the integration for Station Transformation initiatives.

TTC is forecasted to spend \$970.2636 million, or 79.5% of its 2016 Approved Capital Budget, mainly due to delays in the delivery of the new streetcars amounting \$127.338 million or 50.8% of the variance. TTC staff are working with the manufacture to address the issues and delays surrounding the order.

- Carry forward funding is estimated at \$163.552 million. However, given the rate of spending, this figure will be further refined by the end of 2016. A detailed review of the 2017 – 2026 Capital Budget and Plan was undertaken and necessary adjustments were made to the timing of cash flow funding for unique and major capital such as Streetcars, Surface Track and Communications which are the major contributors to annual under expenditures.

Appendix 2

2017 Preliminary Capital Budget; 2018 to 2026 Preliminary Capital Plan (\$000s)

Project	Total Project Cost	Prior Year Carry Forward	2017	2018	2019	2020	2021	2017 - 2021	2022	2023	2024	2025	2026	2017 - 2026 Total
Legislated:														
Communications - Various			1,983	3,052	750			5,785					551	6,336
Easier Access Phase II & III	467,953		42,772	54,584	66,094	76,332	74,489	314,271	66,364	56,664	44,702	30,917		512,918
Environmental Programs			6,482	9,015	4,765	8,601	15,972	44,835	3,905	3,315	3,400	3,485	3,570	62,510
Equipment - Various			2,344	2,218	920	1,000	435	6,917	219	89				7,225
Other Bldgs & Structures Projects			9,454	14,650	19,889	12,306	8,344	64,643	687	715	499	663	2,785	69,992
Other Service Planning			16,000	4,200	200	200	200	20,800	170	170	170			21,310
Streetcar Overhaul Program			1,000					1,000						1,000
Subway Car Overhaul Program		824	1,647					2,471						2,471
Yards and Roads - Various			2,133	9,308	10,553	12,229		34,223						34,223
Bus Overhaul Program			335					335						335
Sub-Total		824	84,150	97,027	103,171	110,668	99,440	495,280	71,345	60,953	48,771	35,065	6,906	718,320
State of Good Repair:														
ATC Resignalling	861,884		60,309	66,334	73,346	58,881	33,499	292,369	39,441	38,791	40,066	42,017	44,142	496,826
Automotive Non-Revenue Vehicles			2,800	2,800	2,960	2,480	2,635	13,675	2,805	2,890	1,785	1,785	1,785	24,725
Birchmount Bus Garage Repair Bay Modifications														
Bridges and Tunnels - Various			39,937	33,846	29,701	29,421	32,896	165,801	34,955	36,013	37,216	39,473	40,059	353,517
Communications - Various			23,633	22,595	15,312	8,067	7,942	77,549	7,410	7,184	6,306	6,253	9,303	114,005
Equipment - Various			32,099	40,091	26,498	24,244	20,826	143,758	14,462	10,213	9,566	9,233	13,848	201,080
Fare Handling Equipment	22,973		8,000	185	175	250	250	8,860	250	250	300	300	300	10,260
Fare System	3,557		175	125				300						300
Finishes - Various			17,990	17,606	14,169	14,190	18,649	82,606	22,284	9,265	7,515	6,504	7,926	136,098
Fire Ventilation Upgrade			10,918	14,708	30,966	38,019	3,299	97,910						97,910
Furniture & Office Equipment			393	288	210	546	361	1,798	201	418	200	432	222	3,271
Information Technology System-Infrastructure			82,269	85,966	30,857	43,975	13,433	256,500	14,936	14,689	11,801	8,948	36,119	342,993
Leslie Bams Streetcar Maint.& Storage Facility	506,622		20,411	4,500	1,350			26,261						26,261
Mount Dennis Bus Facility														
On-Grade Paving Rehabilitation			9,069	10,521	10,792	14,037	15,731	60,150	16,036	10,200	10,353	10,509	10,666	117,914
Other Bldgs & Structures Projects			55,345	124,820	84,970	51,690	26,231	343,056	5,866	6,905	5,279	5,153	3,635	369,894
Other Maintenance Equipment			2,090	5,730	1,048	902	960	10,730	1,010	963	965	1,090	1,110	15,868
Other Service Planning			16,750	4,000				20,750						20,750
Power Dist./Electric Systems - Various			8,897	9,170	7,265	4,620	5,264	35,216	5,261	5,332	5,385	5,595	6,217	63,006
Purchase of Rail Non-Revenue Vehicle			7,982	8,016	3,214	5,453	5,595	34,260	4,804	1,992				41,056
Queensway Bus Garage Renovations			189					189						189
Rail Non-Revenue Vehicle Overhaul			3,421	3,346	3,357	3,509	4,428	18,061	1,718	1,152	454	467	484	22,336
Replacement of Wheel-Trans Vehicles			6,920	6,920	7,629	6,408	7,149	35,026	7,506	7,882	8,276	8,690	9,125	76,505
Signal Systems - Various			17,189	17,074	12,799	11,602	6,500	65,164	4,189	3,738	3,580	2,231	2,324	81,226
Streetcar Overhaul Program			11,515	1,801		633	649	14,598	422	1,578	2,358	6,198	11,853	37,007
Subway Car Overhaul Program		13,672	39,946	31,807	29,158	17,437	15,494	147,514	13,574	18,426	18,480	24,415	25,896	248,305
Subway Car Purchases	1,171,948	4,270	16,698	4,076				25,044						25,044
Subway Track			30,809	47,701	34,992	35,337	38,129	186,968	31,865	32,400	33,027	33,653	34,229	352,142
Surface Track			53,093	37,323	23,846	23,642	27,546	165,540	26,892	27,565	23,820	27,248	32,561	303,536
Tools and Shop Equipment			2,784	3,111	1,504	1,824	1,828	11,051	2,025	1,700	1,708	1,655	1,828	19,967
Toronto Rocket Yard & Storage Track Accommodation			47,754	71,703	86,252	90,674	43,685	340,068		250	250			340,568
Traction Power - Various			22,465	16,095	14,444	14,401	12,622	80,027	12,592	13,374	13,567	15,604	17,190	152,354
Transit Shelters & Loops			160	206	211	217	236	1,030	243	251	258	263	268	2,313
Purchases of Buses	1,090,177		227,351	211,839	115,051	80,837	23,369	658,447	11,626	9,300				679,373
Bus Overhaul Program		11,536	32,487	43,892	33,593	29,698	29,734	180,940	15,158	67,320	64,392	41,044	60,998	429,852
Purchase of Streetcars		127,338	12,878	267,999	190,693	11,743		610,651						610,651
Sub-Total		156,816	924,726	1,216,194	886,362	624,737	402,940	4,211,775	297,531	330,041	306,907	298,760	372,088	5,817,102
Service Improvements:														
Communications - Various		259						259						259
Finishes - Various			200					200	3,530	3,430	3,260	2,900	3,185	16,505
Other Bldgs & Structures Projects			25,105	11,404	5,230	5,225	5,305	52,269	1,760	1,760	1,760	1,760	1,760	61,069
Other Service Planning			27,882	12,868	4,502	4,628	4,130	54,010	230	230	240	240	299	55,249
Power Dist./Electric Systems - Various			201	210	210	220	220	1,061						1,061
Purchase of Rail Non-Revenue Vehicle			91	6,633	13,002	6,237		25,963						25,963
Subway Track			3,211	169	110			3,490						3,490
Surface Track				4,000	4,310			8,310					665	8,975
Purchases of Buses	27,534		2,630	17,186	22,247	27,946	14,631	84,640			5,648			90,288
Sub-Total		259	59,320	52,470	49,611	44,256	24,286	230,202	5,520	5,420	10,908	4,900	5,909	262,859
Growth Related:														
Fare Handling Equipment	800			1,060				1,060						1,060
Fare System	48,141	1,974	6,642	2,159				10,775						10,775
McNicoll Bus Garage Facility	181,000		14,780	39,810	55,590	32,209	29,451	171,840						171,840
Other Bldgs & Structures Projects			9,240	3,970	3,650	197		17,057						17,057
Other Service Planning			600	600	601			1,801						1,801
Sheppard Subway		3,679						3,679						3,679
Yards and Roads - Various			800					800						800
Sub-Total		5,653	32,062	47,599	59,841	32,406	29,451	207,012						207,012
Total		163,552	1,100,258	1,413,290	1,098,985	812,067	556,117	5,144,269	374,396	396,414	366,586	338,725	384,903	7,005,293

Appendix 3

2017 Preliminary Capital Budget; 2018 to 2026 Preliminary Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3 – 2017 Preliminary Capital Budget; 2018 to 2026 Preliminary Capital Plan

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														
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
<u>TTC907744 Fare System</u>																										
0	4	Fare System SOGR	CW	S3	03	-442	-452	-483	0	0	-1,377	0	-1,377	0	0	0	0	0	0	0	0	-1,377	0	-1,377		
Sub-total						8,791	2,284	0	0	0	11,075	0	11,075	0	0	0	0	0	0	0	0	0	11,075	0	11,075	
<u>TTC907749 Leslie Barns Streetcar Maint.& Storage Facility</u>																										
1	1	Leslie Barns Streetcar Main. & Storage Facility	CW	S2	03	18,761	0	0	0	0	18,761	0	18,761	0	8,664	0	0	0	0	0	0	10,097	0	18,761		
0	3	Leslie Barns Streetcar Main. SOGR	CW	S3	03	1,650	4,500	1,350	0	0	7,500	0	7,500	0	0	0	0	0	0	0	0	7,500	0	7,500		
Sub-total						20,411	4,500	1,350	0	0	26,261	0	26,261	0	8,664	0	0	0	0	0	0	0	17,597	0	26,261	
<u>TTC907750 Toronto Rocket Yard & Storage Track Accommod.</u>																										
1	1	Toronto Rocket Yard - Storage Track Accommodation	CW	S2	03	47,754	83,863	86,252	90,674	43,685	352,228	500	352,728	0	88,806	98,199	46,997	0	0	0	0	118,727	0	352,728		
0	2	Toronto Rocket Yard Storage Track Accom. Scope Cha	CW	S3	03	0	-12,160	0	0	0	-12,160	0	-12,160	0	0	0	0	0	0	0	0	-12,160	0	-12,160		
Sub-total						47,754	71,703	86,252	90,674	43,685	340,068	500	340,568	0	88,806	98,199	46,997	0	0	0	0	0	106,567	0	340,568	
<u>TTC908032 McNicoll Bus Garage Facility</u>																										
0	1	McNicoll Bus Garage Facility - Growth	39	S2	05	14,780	39,810	55,590	32,209	29,451	171,840	0	171,840	0	15,187	88,809	51,100	0	0	0	0	16,744	0	171,840		
Sub-total						14,780	39,810	55,590	32,209	29,451	171,840	0	171,840	0	15,187	88,809	51,100	0	0	0	0	0	16,744	0	171,840	
<u>TTS000392 Sheppard Subway</u>																										
4	1	Sheppard Subway - Expansion	CW	S2	05	3,679	0	0	0	0	3,679	0	3,679	0	0	0	0	0	0	0	0	3,679	0	3,679		
Sub-total						3,679	0	0	0	0	3,679	0	3,679	0	0	0	0	0	0	0	0	0	0	3,679	0	3,679
Total Program Expenditure						1,263,810	1,413,290	1,098,985	812,067	556,117	5,144,269	1,861,024	7,005,293	1,013,584	2,246,848	532,980	351,523	0	0	155,684	4,702,699,973	0	7,005,293			

Report Phase 2 - Program 20 Toronto Transit Commission Program Phase 2 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO**Gross Expenditures (\$000's)****Appendix 3 – 2017 Preliminary Capital Budget; 2018 to 2026 Preliminary Capital Plan****Toronto Transit Commission**

		Current and Future Year Cash Flow Commitments and Estimates									Current and Future Year Cash Flow Commitments and Estimates Financed By									
		2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>Sub- Project No.</u>	<u>Project Name</u>																			
Priority	SubProj No.	Sub-project Name	Ward	Stat.	Cat.															
Financed By:																				
	Provincial Grants & Subsidies	119,627	218,036	149,354	75,225	75,223	637,463	376,121	1,013,584	1,013,584	0	0	0	0	0	0	0	0	0	1,013,584
	Federal Subsidy	467,141	400,458	207,302	167,421	167,421	1,409,743	837,105	2,246,848	0	2,246,848	0	0	0	0	0	0	0	0	2,246,848
	Development Charges	95,479	100,150	81,573	63,938	66,597	407,737	125,243	532,980	0	0	532,980	0	0	0	0	0	0	0	532,980
	Reserves (Ind. "XQ" Ref.)	50,139	70,277	156,513	74,594	0	351,523	0	351,523	0	0	0	351,523	0	0	0	0	0	0	351,523
	Other1 (Internal)	28,733	26,102	12,806	11,260	12,319	91,220	64,464	155,684	0	0	0	0	0	155,684	0	0	0	0	155,684
	Other2 (External)	2,901	1,801	0	0	0	4,702	0	4,702	0	0	0	0	0	0	0	4,702	0	0	4,702
	Debt	499,791	596,467	491,438	419,629	234,557	2,241,881	458,092	2,699,973	0	0	0	0	0	0	0	0,699,973	0	0	2,699,973
Total Program Financing		1,263,810	1,413,290	1,098,985	812,067	556,117	5,144,269	1,861,024	7,005,293	1,013,584	2,246,848	532,980	351,523	0	0	155,684	4,702,699,973	0	0	7,005,293

Status Code	Description
S2	S2 Prior Year (With 2017 and/or Future Year Cashflow)
S3	S3 Prior Year - Change of Scope 2017 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 2018 & Beyond)

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

Appendix 4

2017 Cash Flow and Future Year Commitments

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4 – 2017 Cash Flow and Future Year Commitments

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											
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TTC000110 <u>Subway Track</u>																								
1	1	Subway Track - SOGR	CW	S2	03	30,809	25,212	0	0	0	56,021	0	56,021	0	23,586	0	3,116	0	0	0	0	29,319	0	56,021
0	5	Subway Track Improvement	CW	S2	04	2,910	0	0	0	0	2,910	0	2,910	0	2,910	0	0	0	0	0	0	0	0	2,910
0	6	Subway Track Improvement	CW	S3	04	301	169	110	0	0	580	0	580	0	0	0	0	0	0	0	0	580	0	580
1	7	Subway Track - SOGR	CW	S5	03	0	22,489	0	0	0	22,489	0	22,489	0	22,489	0	0	0	0	0	0	0	0	22,489
		Sub-total				34,020	47,870	110	0	0	82,000	0	82,000	0	48,985	0	3,116	0	0	0	0	29,899	0	82,000
TTC000120 <u>Surface Track</u>																								
1	1	Surface Track - SOGR	CW	S2	03	53,093	1,636	0	0	0	54,729	0	54,729	0	53,093	0	0	0	0	0	0	1,636	0	54,729
0	3	Surface Track Improvement	CW	S2	04	0	1,257	0	0	0	1,257	0	1,257	0	0	0	0	0	0	0	0	1,257	0	1,257
1	7	Surface Track - SOGR	CW	S5	03	0	35,687	0	0	0	35,687	0	35,687	0	1,700	0	4,092	0	0	0	0	29,895	0	35,687
0	8	Surface Track Improvement - S3	CW	S3	04	0	2,743	4,310	0	0	7,053	0	7,053	0	0	0	0	0	0	0	0	7,053	0	7,053
		Sub-total				53,093	41,323	4,310	0	0	98,726	0	98,726	0	54,793	0	4,092	0	0	0	0	39,841	0	98,726
TTC000210 <u>Traction Power - Various</u>																								
1	1	Traction Power - SOGR	CW	S2	03	22,465	4,802	2,278	0	0	29,545	0	29,545	17,953	4,197	0	0	0	0	0	0	7,395	0	29,545
1	6	Traction Power - SOGR	CW	S5	03	0	9,515	0	0	0	9,515	0	9,515	9,515	0	0	0	0	0	0	0	0	0	9,515
		Sub-total				22,465	14,317	2,278	0	0	39,060	0	39,060	27,468	4,197	0	0	0	0	0	0	7,395	0	39,060
TTC000220 <u>Power Dist./Electric Systems - Various</u>																								
1	1	Power Dist./Electric Systems - SOGR	CW	S2	03	8,897	7,504	1,224	0	0	17,625	0	17,625	4,755	0	0	0	0	0	0	0	12,870	0	17,625
0	3	Power Dist./Electric Systems - Improvement	CW	S2	04	201	0	0	0	0	201	0	201	0	0	0	0	0	0	0	0	201	0	201
1	5	Power Dist./Electric Systems - SOGR	CW	S5	03	0	1,666	1,783	0	0	3,449	0	3,449	0	0	0	0	0	0	0	0	3,449	0	3,449
0	6	Power Dist./Electric Systems - Improvement	CW	S5	04	0	210	0	0	0	210	0	210	0	0	0	0	0	0	0	0	210	0	210
		Sub-total				9,098	9,380	3,007	0	0	21,485	0	21,485	4,755	0	0	0	0	0	0	0	16,730	0	21,485
TTC000230 <u>Communications - Various</u>																								
1	1	Communications - SOGR	CW	S2	03	19,044	18,224	10,815	3,402	2,410	53,895	11,315	65,210	31,550	7,198	0	0	0	0	0	0	26,462	0	65,210
1	3	Communications - Legislated	CW	S2	02	1,983	3,052	750	0	0	5,785	0	5,785	2,876	477	0	0	0	0	0	0	2,432	0	5,785
0	5	Communication -Improvement	CW	S2	04	259	0	0	0	0	259	0	259	0	0	0	0	0	0	0	0	259	0	259

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4 – 2017 Cash Flow and Future Year Commitments

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												
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
TTC000340 <u>Bridges and Tunnels - Various</u>																								
1	1	Bridges and Tunnels - SOGR	CW	S2	03	39,937	33,846	18,786	0	0	92,569	0	92,569	0	24,536	0	18,963	0	0	0	0	49,070	0	92,569
		Sub-total				39,937	33,846	18,786	0	0	92,569	0	92,569	0	24,536	0	18,963	0	0	0	0	49,070	0	92,569
TTC000377 <u>Queensway Bus Garage Renovations</u>																								
1	3	Queensway Bus Garage Renovations - SOGR	CW	S2	03	189	0	0	0	0	189	0	189	0	0	0	0	0	0	0	0	189	0	189
		Sub-total				189	0	0	0	0	189	0	189	0	0	0	0	0	0	0	0	189	0	189
TTC000379 <u>Fire Ventilation Upgrade</u>																								
1	1	Fire Ventilation Upgrade - SOGR	CW	S2	03	10,918	14,708	30,966	34,038	0	90,630	0	90,630	15,636	5,459	0	14,426	0	0	0	0	55,109	0	90,630
0	5	Fire Ventilation Upgrade SOGR	CW	S3	03	0	0	0	3,981	3,299	7,280	0	7,280	0	0	0	0	0	0	0	0	7,280	0	7,280
		Sub-total				10,918	14,708	30,966	38,019	3,299	97,910	0	97,910	15,636	5,459	0	14,426	0	0	0	0	62,389	0	97,910
TTC000383 <u>Easier Access Phase II & III</u>																								
1	1	Easier Access Phase III - Legislated	CW	S2	02	42,772	54,584	66,094	76,332	74,489	314,271	79,549	393,820	214,049	80,203	0	0	0	0	0	0	99,568	0	393,820
1	4	Easier Access Phase III - Legislated	CW	S3	02	0	0	0	0	0	0	119,098	119,098	49,836	63,614	0	0	0	0	0	0	5,648	0	119,098
		Sub-total				42,772	54,584	66,094	76,332	74,489	314,271	198,647	512,918	263,885	143,817	0	0	0	0	0	0	105,216	0	512,918
TTC000390 <u>Other Bldgs & Structures Projects</u>																								
1	1	Other Buildings & Structures Projects - SOGRS	CW	S2	03	55,345	124,820	84,970	42,902	0	308,037	0	308,037	69,565	50,444	0	47,788	0	0	0	0	140,240	0	308,037
2	3	Other Bldgs & Structures Projects - SOGR	CW	S3	05	0	123	200	197	0	520	0	520	0	323	0	0	0	0	0	0	197	0	520
3	4	Other bldgs & structures projects - Expansion	CW	S2	05	1,640	397	0	0	0	2,037	0	2,037	0	2,037	0	0	0	0	0	0	0	0	2,037
1	5	Other Buildings and Structures - Legislated	CW	S2	02	2,480	4,479	6,997	4,855	3,326	22,137	2,564	24,701	0	14,387	0	0	0	0	0	0	10,314	0	24,701
1	15	Other Buildings & Structures - Improvement	CW	S5	04	6,389	2,365	400	420	500	10,074	2,187	12,261	0	9,154	0	0	0	0	0	0	3,107	0	12,261
0	16	Other Building & Structures - Expansion S4	CW	S4	05	7,600	3,450	3,450	0	0	14,500	0	14,500	0	14,500	0	0	0	0	0	0	0	0	14,500
0	17	Other Bldgs-Structures - SOGR	CW	S5	03	0	0	0	8,788	15,106	23,894	0	23,894	0	15,106	0	0	0	0	0	0	8,788	0	23,894
0	18	Other Bldgs_Structure Projects-Legislated	CW	S3	02	0	0	0	0	0	0	2,785	2,785	2,500	0	0	0	0	0	0	0	285	0	2,785
0	20	Other Buildings & Structure - Improvement	CW	S2	04	9,704	0	0	0	0	9,704	0	9,704	0	9,704	0	0	0	0	0	0	0	0	9,704
0	23	Other Bldg & Structures Legislated S4	CW	S4	02	6,974	10,171	12,892	7,451	5,018	42,506	0	42,506	0	30,037	0	0	0	0	0	0	12,469	0	42,506

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4 – 2017 Cash Flow and Future Year Commitments

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													
						2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
TTC000710 Information Technology System-Infrastructure																									
1	8	Information Tech. Systems-Infrastructure - SOGR	CW	S5	03	0	0	0	8,630	13,433	22,063	78,565	100,628	0	0	0	0	0	0	34,844	0	65,784	0	100,628	
Sub-total						82,269	85,966	30,857	43,975	13,433	256,500	78,565	335,065	0	20,562	0	0	0	0	72,605	0	241,898	0	335,065	
TTC000910 Furniture & Office Equipment																									
1	1	Furniture & Office Equipment - SOGR	CW	S2	03	393	124	0	0	0	517	0	517	0	0	0	0	0	0	517	0	0	0	517	
1	6	Furniture & Office Equipment - SOGR	CW	S5	03	0	164	0	0	0	164	0	164	0	0	0	0	0	0	164	0	0	0	164	
Sub-total						393	288	0	0	0	681	0	681	0	0	0	0	0	0	681	0	0	0	681	
TTC000920 Other Service Planning																									
3	1	Other Service Planning - Improvement	CW	S2	04	27,882	5,067	0	0	0	32,949	0	32,949	0	13,799	1,760	0	0	0	0	17,390	0	32,949		
3	5	Other Service Planning - Improvement	CW	S5	04	0	7,801	4,502	3,772	0	16,075	0	16,075	0	3,165	5,280	0	0	0	0	0	7,630	0	16,075	
0	6	Other Service Planning - SOGR	CW	S2	03	1,500	0	0	0	0	1,500	0	1,500	0	1,500	0	0	0	0	0	0	0	0	1,500	
0	7	Other Service Planning - Legislated	CW	S2	02	1,500	0	0	0	0	1,500	0	1,500	0	0	0	0	0	0	0	0	1,500	0	1,500	
0	8	Other Service Planning - Legis	CW	S3	02	14,500	4,200	200	200	200	19,300	510	19,810	0	0	0	0	0	0	0	0	19,810	0	19,810	
0	9	Other Service Planning Expansion	CW	S2	05	600	600	601	0	0	1,801	0	1,801	0	0	0	0	0	0	0	0	1,801	0	1,801	
0	10	Other Service Planning - SOGR	CW	S3	03	15,250	4,000	0	0	0	19,250	0	19,250	0	15,250	0	0	0	0	0	0	4,000	0	19,250	
Sub-total						61,232	21,668	5,303	3,972	200	92,375	510	92,885	0	33,714	7,040	0	0	0	0	0	52,131	0	92,885	
TTC000921 Transit Shelters & Loops																									
0	4	Transit Shelters & Loops - SOGR	CW	S2	03	160	206	211	217	236	1,030	31	1,061	0	0	0	0	0	0	0	0	1,061	0	1,061	
Sub-total						160	206	211	217	236	1,030	31	1,061	0	0	0	0	0	0	0	0	0	1,061	0	1,061
TTC906010 Purchase of Streetcars																									
0	2	Purchase of Streetcars - SOGR	CW	S2	03	140,216	267,999	190,693	11,743	0	610,651	0	610,651	187,763	269,016	0	13,625	0	0	0	0	140,248	0	610,651	
Sub-total						140,216	267,999	190,693	11,743	0	610,651	0	610,651	187,763	269,016	0	13,625	0	0	0	0	0	140,248	0	610,651
TTC906365 Purchase of Rail Non-Revenue Vehicle																									
1	1	Purchase of Rail Non-Revenue Vehicle - SOGR	CW	S2	03	7,982	7,040	1,689	2,374	6,634	25,719	2,350	28,069	0	15,210	0	0	0	0	0	0	12,859	0	28,069	
1	3	Purchase of Rail Non-Revenue Vehicle - Improvement	CW	S2	04	91	6,633	13,002	6,237	0	25,963	0	25,963	0	21	0	0	0	0	0	0	25,942	0	25,963	
0	6	Purchase of Rail Non-Revenue Vehicle - SOGR	CW	S3	03	0	976	1,491	1,032	0	3,499	0	3,499	0	0	0	0	0	0	0	0	3,499	0	3,499	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4 – 2017 Cash Flow and Future Year Commitments

Toronto Transit Commission						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By													
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
		<u>TTS000392 Sheppard Subway</u>																							
4	1	Sheppard Subway - Expansion	CW	S2	05	3,679	0	0	0	0	3,679	0	3,679	0	0	0	0	0	0	0	0	0	3,679	0	3,679
		Sub-total				3,679	0	0	0	0	3,679	0	3,679	0	0	0	0	0	0	0	0	0	3,679	0	3,679
Total Program Expenditure						1,263,810	1,408,871	985,856	639,083	326,399	4,624,019	687,192	5,311,211	654,713	1,503,062	522,420	290,114	0	0	119,927	4,702,216,273	0	5,311,211		

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4 – 2017 Cash Flow and Future Year Commitments

Toronto Transit Commission

Sub- Project No. Project Name Priority SubProj No. Sub-project Name		Ward Stat. Cat.		Current and Future Year Cash Flow Commitments and Estimates							Current and Future Year Cash Flow Commitments and Estimates Financed By									
				2017	2018	2019	2020	2021	Total 2017-2021	Total 2022-2026	Total 2017-2026	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt
Financed By:																				
Provincial Grants & Subsidies																				
Federal Subsidy																				
Development Charges																				
Reserves (Ind. "XQ" Ref.)																				
Other1 (Internal)																				
Other2 (External)																				
Debt																				
Total Program Financing																				

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

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

Appendix 5

2017 Preliminary 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 5 – 2017 Capital Budget with Financing Detail
Toronto Transit Commission
Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2017	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	140,216	44,402	8,800	0	0	0	0	0	0	0	87,015	0
	Project Sub-total:			140,216	44,402	8,800	0	0	0	0	0	0	0	87,015	0
0	<u>TTC907744</u>	<u>Fare System</u>													
0	1 Fare System - SOGR	09/29/2010	12/31/2018	617	0	0	0	0	0	0	0	0	0	617	0
0	2 Fare System - Expansion	11/09/2010	12/31/2020	8,616	0	0	0	0	0	0	0	0	0	8,616	0
0	4 Fare System SOGR	01/01/2017	12/31/2019	-442	0	0	0	0	0	0	0	0	0	-442	0
	Project Sub-total:			8,791	0	0	0	0	0	0	0	0	0	8,791	0
0	<u>TTC908032</u>	<u>McNicoll Bus Garage Facility</u>													
0	1 McNicoll Bus Garage Facility - Growth	01/01/2013	12/31/2017	14,780	0	4,141	10,463	0	0	0	0	0	0	176	0
	Project Sub-total:			14,780	0	4,141	10,463	0	0	0	0	0	0	176	0
1	<u>TTC000110</u>	<u>Subway Track</u>													
0	5 Subway Track Improvement	10/12/2006	12/31/2014	2,910	0	2,910	0	0	0	0	0	0	0	0	0
0	6 Subway Track Improvement	01/01/2016	01/01/2016	301	0	0	0	0	0	0	0	0	0	301	0
1	1 Subway Track - SOGR	01/01/1996	12/31/2017	30,809	0	22,377	0	3,116	0	0	0	0	0	5,316	0
	Project Sub-total:			34,020	0	25,287	0	3,116	0	0	0	0	0	5,617	0
1	<u>TTC000120</u>	<u>Surface Track</u>													
1	1 Surface Track - SOGR	01/01/1996	12/31/2016	53,093	0	53,093	0	0	0	0	0	0	0	0	0
	Project Sub-total:			53,093	0	53,093	0	0	0	0	0	0	0	0	0
1	<u>TTC000210</u>	<u>Traction Power - Various</u>													
1	1 Traction Power - SOGR	01/01/1996	12/31/2018	22,465	10,873	4,197	0	0	0	0	0	0	0	7,395	0
	Project Sub-total:			22,465	10,873	4,197	0	0	0	0	0	0	0	7,395	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	201	0	0	0	0	0	0	0	0	0	201	0
1	1 Power Dist./Electric Systems - SOGR	01/01/1996	12/31/2017	8,897	4,755	0	0	0	0	0	0	0	0	4,142	0
	Project Sub-total:			9,098	4,755	0	0	0	0	0	0	0	0	4,343	0
1	<u>TTC000230</u>	<u>Communications - Various</u>													
0	5 Communication -Improvement	10/27/2003	12/31/2014	259	0	0	0	0	0	0	0	0	0	259	0
1	1 Communications - SOGR	01/01/1996	12/31/2023	19,044	14,874	714	0	0	0	0	0	0	0	3,456	0
1	3 Communications - Legislated	01/01/2006	12/31/2018	1,983	0	301	0	0	0	0	0	0	0	1,682	0
1	10 Communications - SOGR	01/01/2006	12/31/2026	4,589	4,589	0	0	0	0	0	0	0	0	0	0
	Project Sub-total:			25,875	19,463	1,015	0	0	0	0	0	0	0	5,397	0



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Project/Financing Priority Project Project Name		Start Date	Completion Date	2017	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>TTC000240</u>	<u>Signal Systems - Various</u>													
1	1	Signal Systems - SOGR	01/01/1999	12/31/2023	17,189	0	0	0	8,180	0	0	0	0	9,009	0
		Project Sub-total:			17,189	0	0	0	8,180	0	0	0	0	9,009	0
1	<u>TTC000310</u>	<u>Finishes - Various</u>													
0	3	Finishes - Improvement	11/10/2005	12/31/2017	200	0	0	0	0	0	0	0	0	200	0
1	1	Finishes - SOGR	01/01/1996	12/31/2017	17,990	0	17,793	0	0	0	0	0	0	197	0
		Project Sub-total:			18,190	0	17,793	0	0	0	0	0	0	397	0
1	<u>TTC000320</u>	<u>Equipment - Various</u>													
1	1	Equipment - SOGR	01/01/1996	12/31/2024	32,099	0	14,232	0	15,686	0	0	0	0	2,181	0
1	3	Equipment - Legislated	01/01/1996	12/31/2023	2,344	0	2,210	0	0	0	0	0	0	134	0
		Project Sub-total:			34,443	0	16,442	0	15,686	0	0	0	0	2,315	0
1	<u>TTC000333</u>	<u>On-Grade Paving Rehabilitation</u>													
1	1	On-Grade Paving Rehabilitation - SOGR	01/01/1996	12/31/2018	9,069	0	4,564	0	0	0	0	0	0	4,505	0
		Project Sub-total:			9,069	0	4,564	0	0	0	0	0	0	4,505	0
1	<u>TTC000340</u>	<u>Bridges and Tunnels - Various</u>													
1	1	Bridges and Tunnels - SOGR	01/01/1996	12/31/2017	39,937	0	21,299	0	4,124	0	0	0	0	14,514	0
		Project Sub-total:			39,937	0	21,299	0	4,124	0	0	0	0	14,514	0
1	<u>TTC000377</u>	<u>Queensway Bus Garage Renovations</u>													
1	3	Queensway Bus Garage Renovations - SOGR	01/01/2001	12/31/2016	189	0	0	0	0	0	0	0	0	189	0
		Project Sub-total:			189	0	0	0	0	0	0	0	0	189	0
1	<u>TTC000379</u>	<u>Fire Ventilation Upgrade</u>													
1	1	Fire Ventilation Upgrade - SOGR	01/01/1996	12/31/2019	10,918	0	5,459	0	5,282	0	0	0	0	177	0
		Project Sub-total:			10,918	0	5,459	0	5,282	0	0	0	0	177	0
1	<u>TTC000390</u>	<u>Other Bldgs & Structures Projects</u>													
0	16	Other Building & Structures - Expansion S4	01/01/2017	12/31/2019	7,600	0	7,600	0	0	0	0	0	0	0	0
0	20	Other Buildings & Structure - Improvement	01/01/2014	12/31/2017	9,704	0	9,704	0	0	0	0	0	0	0	0
0	23	Other Bldg & Structures Legislated S4	01/01/2017	12/31/2017	6,974	0	6,974	0	0	0	0	0	0	0	0
0	26	Other Bldgs & Structures SI S4	01/01/2017	12/31/2026	9,012	0	9,012	0	0	0	0	0	0	0	0
1	1	Other Buildings & Structures Projects - SOGRS	01/01/2000	12/31/2021	55,345	11,619	11,622	0	10,823	0	0	0	0	21,281	0
1	5	Other Buildings and Structures - Legislated	01/01/2002	12/31/2014	2,480	0	2,224	0	0	0	0	0	0	256	0
1	15	Other Buildings & Structures - Improvement	01/01/2014	12/31/2026	6,389	0	6,389	0	0	0	0	0	0	0	0
3	4	Other bldgs & structures projects - Expansion	01/01/2014	12/31/2018	1,640	0	1,640	0	0	0	0	0	0	0	0
		Project Sub-total:			99,144	11,619	55,165	0	10,823	0	0	0	0	21,537	0



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				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
1	<u>TTC000414 Purchases of Buses</u>														
0	9 Purchase of Buses - SI	01/01/2016	01/01/2026	2,630	0	0	2,630	0	0	0	0	0	0	0	0
1	1 Purchase of Buses - SOGR	01/01/2000	12/31/2023	227,351	0	109,741	7,868	0	0	0	0	0	0	109,742	0
	Project Sub-total:			229,981	0	109,741	10,498	0	0	0	0	0	0	109,742	0
1	<u>TTC000415 Replacement of Wheel-Trans Vehicles</u>														
1	1 Replacement Wheel-Trans Vehicles	01/01/1998	12/31/2022	8	0	0	0	0	0	0	0	0	0	8	0
1	3 Replacement Wheel-Trans Vehicle	01/01/2014	12/31/2026	6,912	0	3,460	0	0	0	0	0	0	0	3,452	0
	Project Sub-total:			6,920	0	3,460	0	0	0	0	0	0	0	3,460	0
1	<u>TTC000421 Subway Car Purchases</u>														
1	1 Subway Car Purchases - SOGR	01/01/1996	12/31/2017	20,968	0	12,622	0	0	0	0	0	0	0	8,346	0
	Project Sub-total:			20,968	0	12,622	0	0	0	0	0	0	0	8,346	0
1	<u>TTC000432 Bus Overhaul Program</u>														
0	6 Bus Overhaul Program - Leg	01/01/2015	12/31/2017	38	0	0	0	0	0	0	0	0	0	38	0
0	7 Bus Overhaul Program -Leg	01/01/2016	01/01/2017	297	0	0	0	0	0	0	0	0	0	297	0
1	1 Bus Overhaul Program - SOGR	01/01/1996	12/31/2026	44,023	0	21,652	0	0	0	0	0	0	0	22,372	0
	Project Sub-total:			44,358	0	21,652	0	0	0	0	0	0	0	22,707	0
1	<u>TTC000450 Streetcar Overhaul Program</u>														
0	4 Streetcar Overhaul Program - Legislated	01/01/2015	12/31/2024	1,000	0	0	0	0	0	0	0	0	0	1,000	0
1	1 Streetcar Overhaul Program - SOGR	01/01/2003	12/31/2023	11,515	0	4,307	0	0	0	0	0	0	2,901	4,307	0
	Project Sub-total:			12,515	0	4,307	0	0	0	0	0	0	2,901	5,307	0
1	<u>TTC000460 Subway Car Overhaul Program</u>														
0	5 Subway Car Overhaul Legislated	01/01/2016	12/31/2018	2,471	0	0	0	0	0	0	0	0	0	2,471	0
1	1 Subway Car Overhaul Program - SOGR	01/01/1996	12/31/2024	53,618	0	22,873	0	0	0	0	0	0	0	30,745	0
	Project Sub-total:			56,089	0	22,873	0	0	0	0	0	0	0	33,216	0
1	<u>TTC000470 Automotive Non-Revenue Vehicles</u>														
1	1 Automotive Non-Revenue Vehicles - SOGR	01/01/1996	12/31/2015	2,800	0	0	0	0	0	0	2,800	0	0	0	0
	Project Sub-total:			2,800	0	0	0	0	0	0	2,800	0	0	0	0
1	<u>TTC000480 Rail Non-Revenue Vehicle Overhaul</u>														
1	1 Rail Non-Revenue Vehicle Overhaul - SOGR	01/01/1999	12/31/2017	2,050	0	1,378	0	0	0	0	0	0	0	672	0
1	8 Rail Non-Revenue Vehicle Overhaul - SOGR	01/01/2006	12/31/2026	1,371	0	0	0	0	0	0	0	0	0	1,371	0
	Project Sub-total:			3,421	0	1,378	0	0	0	0	0	0	0	2,043	0



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Priority	Project				Project Name	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable	
1	TTC907750	Toronto Rocket Yard & Storage Track Accommodation														
1	1	1	Toronto Rocket Yard - Storage Track Accommodation	10/04/2010	12/31/2019	47,754	0	11,558	14,935	0	0	0	0	0	21,261	0
			Project Sub-total:			47,754	0	11,558	14,935	0	0	0	0	0	21,261	0
2	TTC000383	Easier Access Phase II & III														
1	1	Easier Access Phase III - Legislated	01/01/1996	12/31/2025	42,772	28,515	4,178	0	0	0	0	0	0	10,079	0	
			Project Sub-total:			42,772	28,515	4,178	0	0	0	0	0	10,079	0	
2	TTC000610	Environmental Programs														
2	1	Environmental Programs - Legislated	01/01/1996	12/31/2019	6,482	0	325	0	0	0	0	0	0	6,157	0	
			Project Sub-total:			6,482	0	325	0	0	0	0	0	6,157	0	
3	TTC000920	Other Service Planning														
0	6	Other Service Planning - SOGR	01/01/2014	12/31/2017	1,500	0	1,500	0	0	0	0	0	0	0	0	
0	7	Other Service Planning - Legislated	01/01/2015	12/31/2025	1,500	0	0	0	0	0	0	0	0	1,500	0	
0	8	Other Service Planning - Legis	01/01/2017	12/31/2026	14,500	0	0	0	0	0	0	0	0	14,500	0	
0	9	Other Service Planning Expansion	06/23/2015	12/31/2026	600	0	0	0	0	0	0	0	0	600	0	
0	10	Other Service Planning - SOGR	01/01/2017	12/31/2018	15,250	0	15,250	0	0	0	0	0	0	0	0	
3	1	Other Service Planning - Improvement	01/01/1996	12/31/2015	27,882	0	8,732	1,760	0	0	0	0	0	17,390	0	
			Project Sub-total:			61,232	0	25,482	1,760	0	0	0	0	33,990	0	
3	TTC000921	Transit Shelters & Loops														
0	4	Transit Shelters & Loops - SOGR	01/01/2013	12/31/2016	160	0	0	0	0	0	0	0	0	160	0	
			Project Sub-total:			160	0	0	0	0	0	0	0	160	0	
4	TTC000330	Yards and Roads - Various														
0	4	Yards and Roads Expansion	12/01/2000	12/31/2016	641	0	0	0	641	0	0	0	0	0	0	
0	7	Yards and Roads - Expansion	01/01/2013	12/31/2016	159	0	0	0	159	0	0	0	0	0	0	
1	1	Yards and Roads - Legislated	01/01/1997	12/31/2020	2,133	0	0	0	2,128	0	0	0	0	5	0	
			Project Sub-total:			2,933	0	0	0	2,928	0	0	0	5	0	
4	TTS000392	Sheppard Subway														
4	1	Sheppard Subway - Expansion	01/01/1996	12/31/2019	3,679	0	0	0	0	0	0	0	0	3,679	0	
			Project Sub-total:			3,679	0	0	0	0	0	0	0	3,679	0	
Program Total:						1,263,810	119,627	467,141	95,479	50,139	0	0	28,733	2,901	499,791	0

Status Code	Description
S4	S4 New - Stand-Alone Project (Current Year Only)
S5	S5 New (On-going or Phased Projects)

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

Appendix 6

Reserve / Reserve Fund Review

Reserve / Reserve Fund – Corporate (\$000s)

Reserve / Reserve Fund Name	Project / SubProject Name and Number	Projected Balance as at Dec 31, 2016 *	Contributions / (Withdrawals)										2017 - 2026 Total Contributions / (Withdrawals)	
			2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan		
Capital Financing Reserve (XRQ0011)	Beginning Balance	304,164	304,164	324,700	256,040	147,945	124,067	177,652	234,002	63,927	2,427	46,827		
	Withdrawals (-)													
	ATC Resignalling		-	-	(6,000)	-	-	-	-	-	-	-	(6,000)	
	Bridges and Tunnels - Various		(4,124)	(9,264)	(5,575)	-	-	-	-	-	-	-	(18,963)	
	Equipment - Various		(15,686)	-	-	-	-	-	-	-	-	-	(15,686)	
	Fire Ventilation Upgrade		(5,282)	-	(9,144)	-	-	-	-	-	-	-	(14,426)	
	McNicoll Bus Garage Facility		-	(9,460)	(41,640)	-	-	-	-	-	-	-	(51,100)	
	Other Bldgs & Structures		(10,823)	(12,355)	(19,636)	(4,974)	-	-	-	-	-	-	(47,788)	
	Purchase of Streetcars		-	-	(13,625)	-	-	-	-	-	-	-	(13,625)	
	Signal Systems - Various		(8,180)	(15,954)	(9,987)	(2,087)	-	-	-	-	-	-	(36,208)	
	Subway Car Overhaul		-	(5,935)	(6,061)	(6,524)	-	-	-	-	-	-	(18,520)	
	Subway Track		(3,116)	-	(23,795)	(17,134)	-	-	-	-	-	-	(44,045)	
	Surface Track		-	(4,092)	(5,000)	(15,480)	-	-	-	-	-	-	(24,572)	
	Toronto Rocket Yard & Storage		-	(4,452)	(14,150)	(28,395)	-	-	-	-	-	-	(46,997)	
	Yards and Roads - Various		(2,928)	(8,765)	(1,900)	-	-	-	-	-	-	-	(13,593)	
	Total Withdrawals for TTC			(50,139)	(70,277)	(156,513)	(74,594)	-	-	-	-	-	-	(351,523)
	Other Allocation for Waterfront and Subway Cost Recovery			(89,705)	(113,383)	(51,582)	(49,284)	(46,415)	(43,650)	(270,075)	(136,500)	(30,600)	(59,000)	-
Total Withdrawals			(139,844)	(183,660)	(208,095)	(123,878)	(46,415)	(43,650)	(270,075)	(136,500)	(30,600)	(59,000)	-	
Contributions (+)			160,380	115,000	100,000	100,000	100,000	100,000	100,000	75,000	75,000	75,000	-	
Total Contributions			160,380	115,000	100,000	100,000	100,000	100,000	100,000	75,000	75,000	75,000	-	
Total Reserve Fund Balance at Year-End		304,164	324,700	256,040	147,945	124,067	177,652	234,002	63,927	2,427	46,827	62,827	-	

* Based on the 2016 Q3 Variance Report

Reserve / Reserve Fund Name	Project / SubProject Name and Number	Projected Balance as at Dec 31, 2016 *	Contributions / (Withdrawals)										2017 - 2026 Total Contributions / (Withdrawals)	
			2017 Budget	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan		
Development Charges (2009) - Roads & Related (XR2109)	Beginning Balance	123,415	123,415	88,706	50,334	31,369	30,454	27,516	39,302	69,855	101,814	168,025		
	Withdrawals (-)													
	McNicoll Bus Garage Facility - Growth		(10,463)	(30,350)	(13,950)	(32,209)	(1,837)	-	-	-	-	-	(88,809)	
	ATC BD Resignalling - SOGR		-	-	-	-	(25,000)	(38,879)	(23,719)	(27,271)	-	-	(114,869)	
	ATC YUS Resignalling - SOGR		(57,823)	(27,189)	-	(25,969)	-	-	-	-	-	-	(110,981)	
	Other Service Planning - Improvement		(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(1,760)	(17,600)	
	Purchase of Buses - SI		(2,630)	(12,000)	(11,450)	(4,000)	(14,631)	-	-	(5,648)	-	-	(50,359)	
	Purchase of Buses - SOGR		(7,868)	-	-	-	(23,369)	(11,626)	(9,300)	-	-	-	(52,163)	
	Toronto Rocket Yard - Storage Track Accommodation		(14,935)	(28,851)	(54,413)	-	-	-	-	-	-	-	(98,199)	
	Total Withdrawals			(95,479)	(100,150)	(81,573)	(63,938)	(66,597)	(52,265)	(34,779)	(34,679)	(1,760)	(1,760)	(532,980)
	Contributions (+)													
				60,770	60,770	60,770	60,770	60,770	60,770	60,770	60,770	60,770	60,770	607,700
Total Contributions			60,770	61,778	62,608	63,023	63,659	64,051	65,332	66,638	67,971	61	607,700	
Total Reserve Fund Balance at Year-End		123,415	88,706	50,334	31,369	30,454	27,516	39,302	69,855	101,814	168,025	166,326	74,720	

* Based on the 2016 Q3 Variance Report