



Toronto 2016 BUDGET

CAPITAL BUDGET NOTES



Toronto Transit Commission

2016 – 2025 CAPITAL BUDGET AND PLAN OVERVIEW

The Toronto Transit Commission delivers transit services to an estimated 552 million riders in 2016, 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 \$14.6 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 \$6.402 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 are projects focused on transit expansion including the Toronto-York Spadina Subway Extension and the Scarborough Subway Extension.

Highlights

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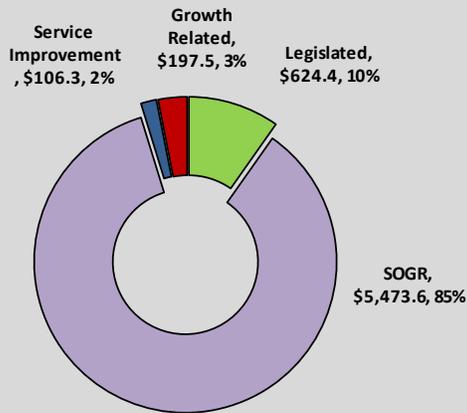
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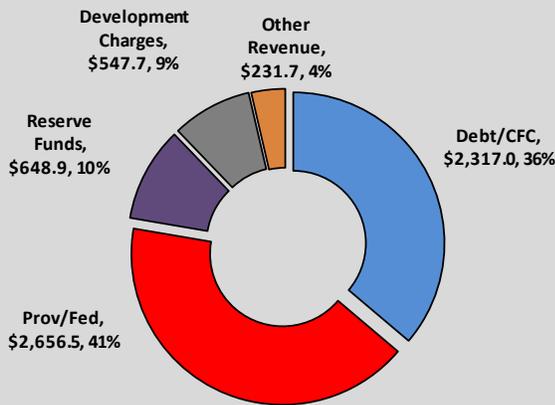
Capital Spending and Financing

2016-2025 Capital Budget and Plan by Expenditures Category



\$6,401.7 Million

2016-2025 Capital Budget and Plan by Funding Source



\$6,401.7 Million

Where does the money go?

The 2016–2025 Preliminary Capital Budget and Plan totalling \$6.402 billion provides funding for:

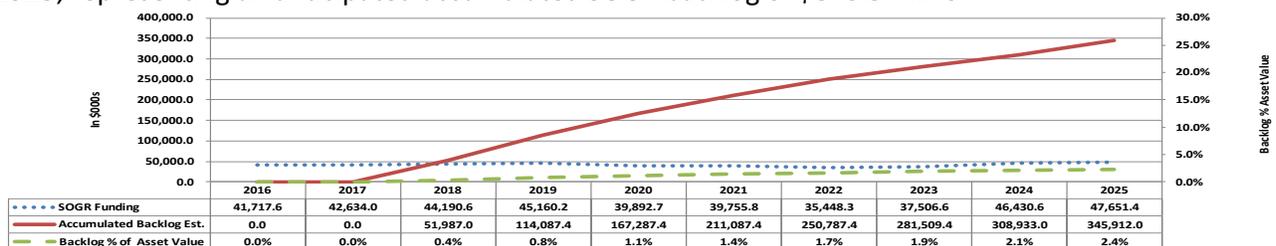
- State of Good Repair (SOGR) projects:
 - ✓ ATC Resignalling (\$548.984 million)
 - ✓ Leslie Barns Streetcar Maintenance and Storage Facility (\$55.544 million)
 - ✓ Toronto Rocket Yard and Storage Track Accommodation (\$402.511 million)
 - ✓ McNicoll Bus Garage Facility (\$174.758 million)
 - ✓ Purchase of Buses (\$447.848 million)
 - ✓ Purchase of LRVs (\$546.107 million)
 - ✓ PRESTO implementation
- Legislated projects of \$624.351; Easier Access Program (\$431.988 million), Bus Heavy Rebuild Program (\$4.6 million)
- Growth related projects of \$197.491; McNicoll Bus Garage Facility (\$174.758 million), PRESTO Implementation (\$21.843 million).

Where does the money come from?

- New debt funding \$2.317 billion comprises 36% of TTC’s 10 year capital funding, which meets the debt affordability guideline.
- Provincial/Federal grants \$2.656 billion, includes an additional \$40M of Provincial Gas Tax funding resulting from a 4% increase in the contribution.
- Other sources of funding include Development Charges (\$547.686 million or 8.6%) that have been increased by \$66 million from the previous 10-Year Capital Plan, Reserves (\$648.863 million or 10.1%), and Other Revenue (\$231.677 million or 3.6%).

State of Good Repair Backlog

The 10-Year Capital Plan includes cash flow funding of \$5.474 billion for State of Good Repair to address the Program's backlog. The SOGR backlog as a % of asset replacement value will increase from 0% in 2016 to 2.4% in 2025, representing an anticipated accumulated SOGR backlog of \$345.9 million



Key Issues & Priority Actions

Capital Plan Affordability – The TTC identified 10-Year Capital Plan needs that total \$9.081 billion and require \$4.996 billion of debt funding which is \$2.679 billion over the TTC's established debt target for the 10-year capital planning period.

TTC's 10-Year Capital Plan of \$6.402 billion is comprised of:

- ✓ Debt funding of \$2.317 billion, which meets the debt target.
- ✓ Increased development charge funding by \$66 million.
- ✓ Provincial and Federal Funding of \$2.656 (including \$40 million additional Provincial Gas Tax funding)
- ✓ \$106 million in funding for projects initially identified as unfunded.

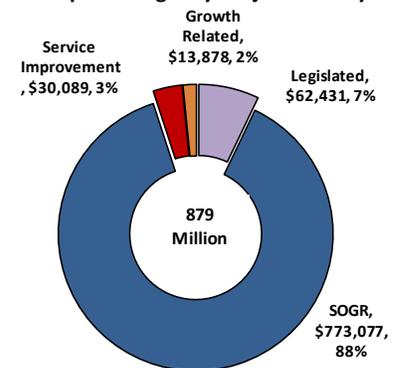


2016 Capital Budget Highlights

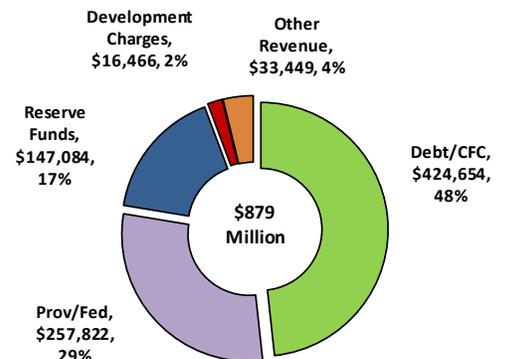
The 2016 Capital Budget for TTC of \$879.475 million, excluding carry forward funding, will:

- ✓ The Leslie Street (\$26.225 million) connecting track is complete and the TTC's new low-floor streetcars began operating out of Leslie Barns. TTC will be fully occupied by the TTC early next year;
- ✓ McNicoll Bus Garage Facility (\$2.308 million) construction of an indoor storage and maintenance facility for 250 buses to accommodate ridership growth and expanding bus fleet;
- ✓ Fare Handling (\$34.237 million) deliver the design and build of TTC-PRESTO devices for the implementation of the PRESTO fare collection system;
- ✓ Continue to address SOGR maintenance work on:
 - Subway Track (\$26.978 million);
 - Surface Track (\$22.177 million);
 - Bridges & Tunnels (\$50.472 million);
 - Subway Car Overhaul (\$68.157 million); and
 - Information Technology System - Infrastructure (\$83.342 million).

2016 Capital Budget by Project Category



2016 Capital Budget by Funding Source

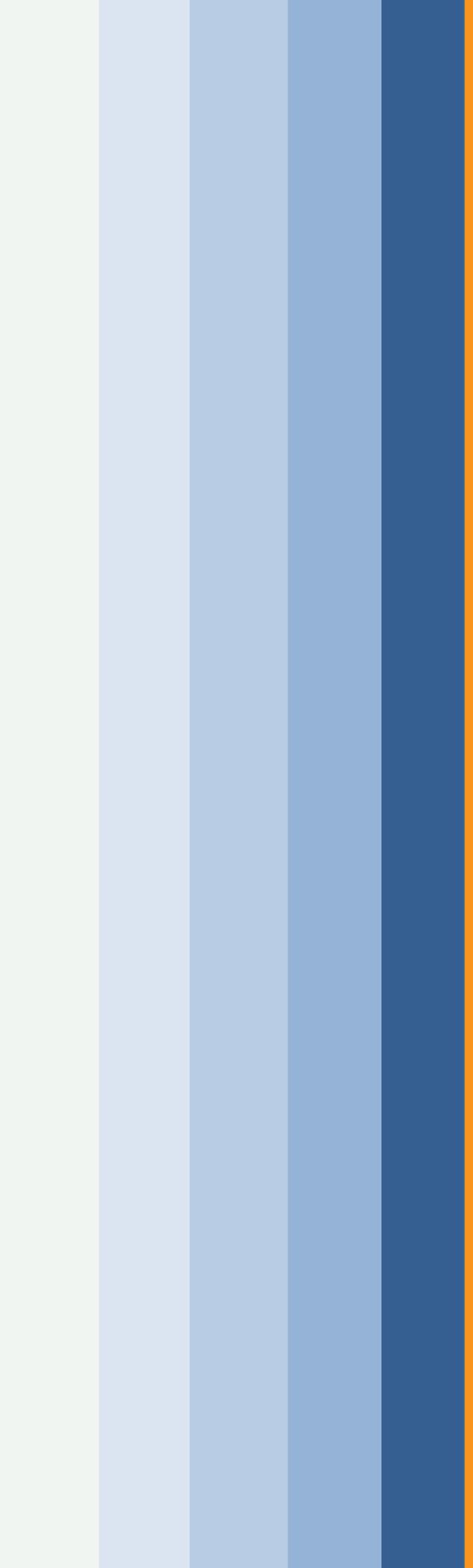


Actions for Consideration

Approval of the 2016 Preliminary Budget as presented in these notes requires that:

1. City Council approve the 2016 Capital Budget for TTC with a total project cost of \$552.157 million, and 2016 cash flow of \$879.475 million and future year commitments of \$4.093 billion comprised of the following:
 - a) New Cash Flow Funds for:
 - i. 41 new / change in scope sub-projects with a 2016 total project cost of \$552.157 million that requires cash flow of \$106.416 million in 2016 and future year cash flow commitments of \$221.704 million for 2017; \$82.891 million for 2018; \$4.543 million for 2019; and \$8.533 million for 2020; \$54.689 million for 2021; \$54.955 million for 2022; and \$56.309 million for 2023; \$22.859 million for 2024; (\$60.742) million for 2025;
 - ii. 56 previously approved sub-projects with a 2016 cash flow of \$773.059 million; and future year cash flow commitments of \$987.694 million for 2017; \$825.969 million for 2018; and \$766.298 million for 2019; \$366.233 million for 2020; \$197.403 million for 2021; and 96.935 million for 2022; \$100.622 million for 2023; \$136.608 million for 2024; and \$169.911 million for 2025;
 - b) 2015 approved cash flow for 32 previously approved sub-projects with carry forward funding from 2015 into 2016 totalling \$235.525 million.
2. City Council approve the 2017 - 2025 Capital Plan for TTC totalling \$1.429 billion million in project estimates, comprised of \$1.113 million in 2017; \$121.841 million for 2018; \$176.752 million for 2019; \$194.266 million for 2020; \$188.788 million for 2021; \$194.112 million for 2022; \$185,159 million for 2023; \$178.510 million for 2024; and \$188.306million in 2025.
3. City council direct TTC staff to report back to Budget Committee prior to the 2017 Budget process to identify the full operating costs and benefits to be realized from the implementation of SAP Enterprise Resources Planning (ERP) at the TTC.
4. City Council approve the 2016 Capital Budget for the Toronto-York Spadina Subway Extension with no new project cost, and 2016 cash flow of \$319.587 million and future year commitments of \$343.798 million comprised of the following:
 - a) New Cash Flow Funding for:
 - i. 1 previously approved sub-project with a 2016 cash flow of \$252.032 million; and a future year cash flow commitment of \$343.798 million in 2017; and \$13.962 million in 2018.
 - b) 2015 approved cash flow for 1 previously approved sub-project with carry forward funding from 2015 into 2016 totalling \$67.555 million.
5. City Council approve the 2016 Capital Budget for the Scarborough Subway Extension with a total project cost of \$120.118 million, and 2016 cash flow of \$133.102 million and no future year commitments comprised of the following:
 - a) New Cash Flow Funding for:

- i. 1 previously approved sub-project with a 2016 cash flow of \$120.118 million in 2016; and no future year cash flow commitments.
 - b) 2016 approved cash flow for 1 previously approved sub-project with carry forward funding from 2015 into 2016 totalling \$12.984 million
6. City Council direct the TTC to seek City Council approval of any additional cash flow funding in 2016 and cash flow funding commitments for 2017-2025 for Scarborough Subway Extension as cash flows between 2017-2025 will be budgeted as planned forecasts with no authority to spend.
7. City Council approve the 2017-2025 Capital Plan for the Scarborough Subway Extension totalling \$3.372 billion in project estimates, \$185.550 million in 2017; \$268.162 million in 2018; \$756.903 million in 2019; \$711.403 million in 2020; \$618.395 million in 2021; \$464.992 million in 2022; \$215.273 million in 2023; \$31.000 million in 2024; and \$136.501 million in 2025.

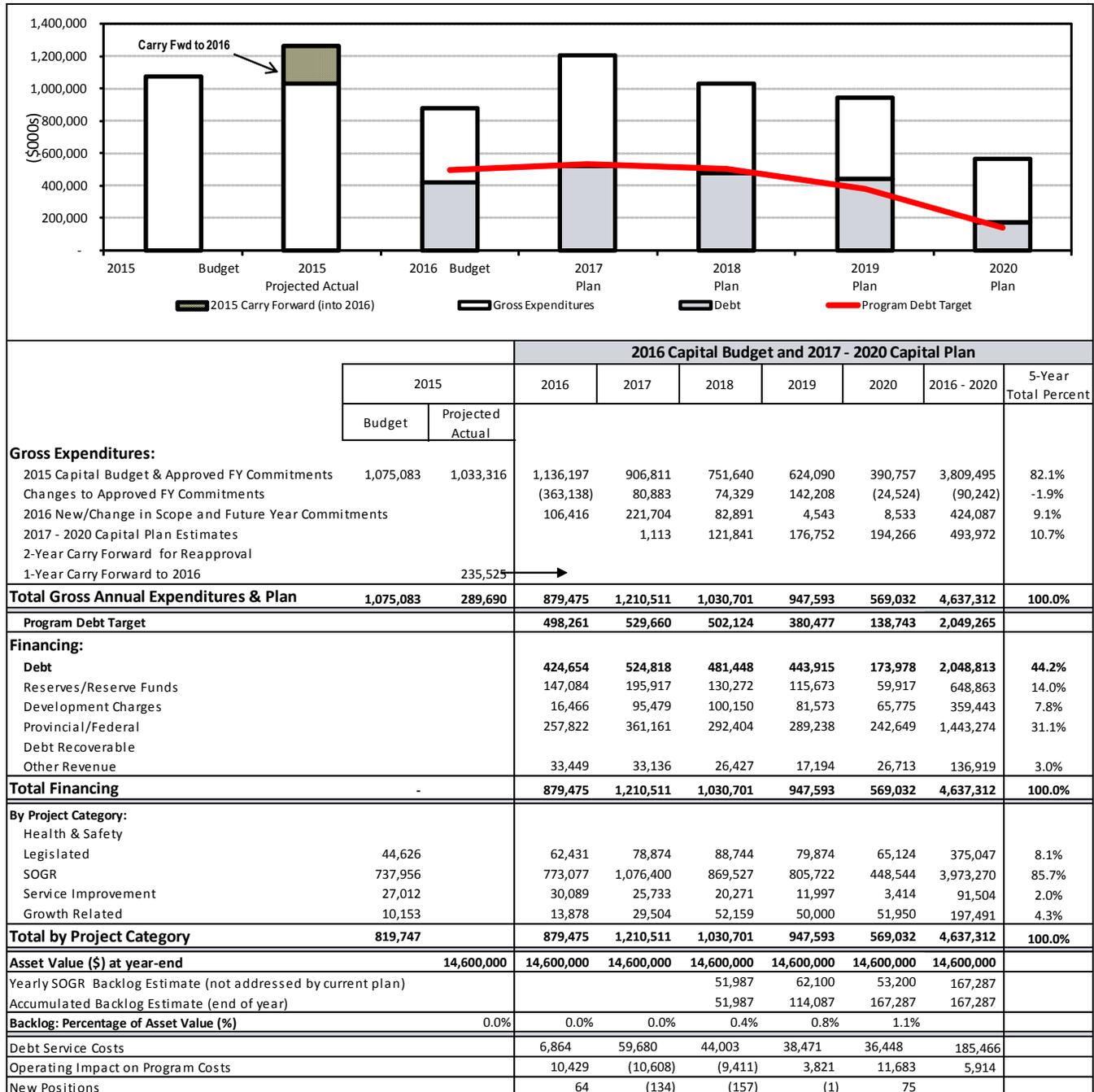


Part I:

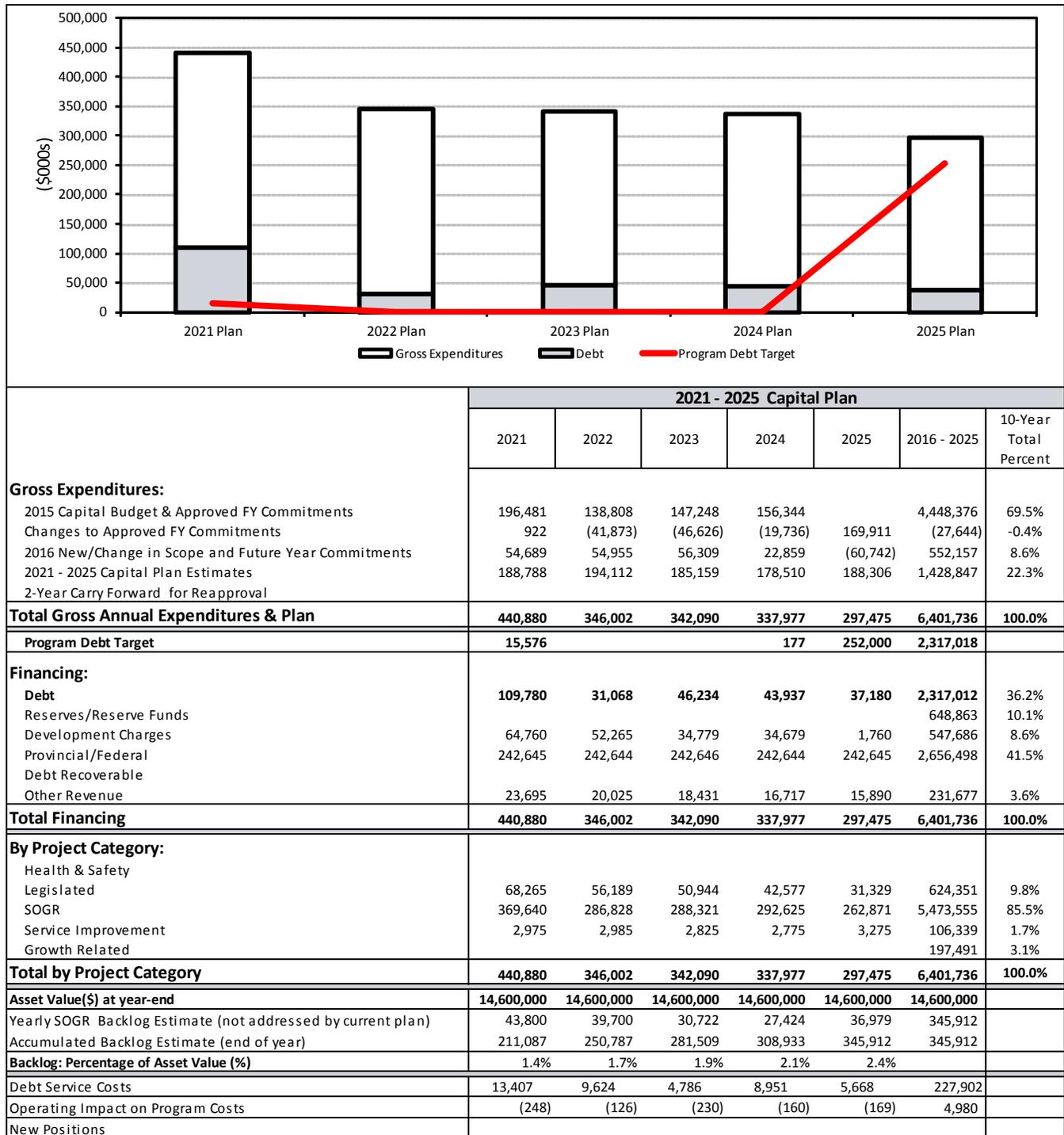
10-Year Capital Plan

10 Year Capital Plan

Table 1a
2016 Preliminary Budget, 2017-2020 Capital Plan



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

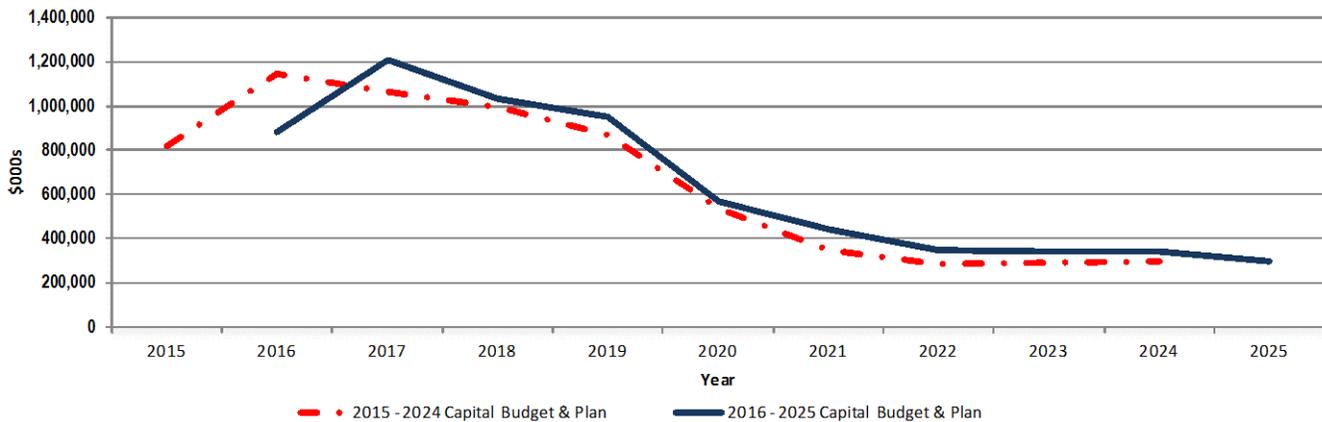


Key Changes to the 2015 - 2024 Approved Capital Plan

The 2016 Capital Budget and the 2017 - 2025 Capital Plan reflects a decrease of \$244.117 million in capital expenditure from the 2015 - 2024 Approved Capital Plan.

The table and chart below provide a breakdown of the \$244.117 million or 3.7% decrease in the Capital Program on an annual basis from 2015 to 2025.

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



(\$000s)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Total
2015 - 2024 Capital Budget & Plan	819,747	1,147,510	1,062,906	992,318	868,128	536,128	346,445	285,968	291,404	295,299	-	6,645,853
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	6,401,736
Change %	-	(23.4%)	13.9%	3.9%	9.2%	6.1%	27.3%	21.0%	17.4%	14.5%	-	(3.7%)
Change \$	-	(268,035)	147,605	38,383	79,465	32,904	94,435	60,034	50,686	42,678	-	(244,117)

As made evident in the chart above, the \$244.117 million decrease in the Capital Program reflects the deferral of projects from 2016 to future years.

As reflected in Table 2 on the following page, changes to the 2015 – 2024 Approved Capital Plan, specifically the \$278.2 million increase in capital funding over the nine common years of the Capital Plans (2016 – 2024) arise from a combination of \$106 million in increased investment in previously unfunded capital projects and the acceleration of new 2025 funding in the 2021 to 2024 period for critical capital work.

A summary of project changes for the years 2016 to 2024 totalling \$278.155 million are provided in Table 2 below:

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

\$000s	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2016 - 2024 Total
2015 - 2024 Capital Budget & Plan	819,747	1,147,510	1,062,906	992,318	868,128	536,128	346,445	285,968	291,404	295,299		5,826,106
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	6,104,261
Capital Budget & Plan Changes (2016 - 2024)		(268,035)	147,605	38,383	79,465	32,904	94,435	60,034	50,686	42,678		278,155

	Total Project Cost	2016	2017	2018	2019	2020	2021	2022	2023	2024	2016 - 2024	2025	Revised Total Project Cost
Previously Approved													
Replacement Wheel-Trans Vehicles													
Fare System	36,664	(830)		325	483						(22)		36,642
Other Service Planning	53,550	(1,250)		(3,068)	(5,035)	(2,635)	(2,035)	(2,035)	(2,035)	(2,035)	(20,128)		33,422
Automotive Non-Revenue Vehicles	56,596	(2,235)	(172)	(2,820)	(2,237)	(3,277)	(6,505)	(3,974)	(5,757)	(1,964)	(28,941)		27,655
On-Grade Paving Rehabilitation Program	80,523	(8,071)	(2,357)	1,662	1,794						(6,972)		73,551
Yards and Roads	125,414	(3,639)	(4,533)	(2,900)	(2,098)	(99)					(13,269)		112,145
Environmental Programs	159,645	(1,970)	(3,102)	(300)	(5,417)	(7,589)	(6,638)	(6,240)	(5,676)	(5,790)	(42,722)		116,923
Finishes	173,911	(12,451)	(891)	3,953	2,939	(1,362)	(925)	(853)	(800)	(800)	(11,190)		162,721
McNicoll Bus Garage Facility	179,884	(1,692)	(15,600)	753	3,000	10,950					(2,589)		177,295
Signal Systems	200,175	(15,441)	4,043	5,513	4,078	(2,587)	(1,196)	(979)	(1,010)	(1,048)	(8,627)		191,548
Communications	201,177	(16,349)	(2,248)	759	6,396	(435)	(2,833)	(5,141)	(5,119)	(5,829)	(30,799)		170,378
Subway Car Overhaul Program	243,143			27			(1,178)				(1,151)		241,992
Fire Ventilation Upgrade	349,704	(1,890)	(4,398)	(4,321)	10,551						(58)		349,646
Bus Heavy Rebuild Program	358,386	(3,575)	(86,372)	(79,229)	(60,063)						(229,239)		129,147
Equipment	370,024	(7,555)	(526)	(35)	(4,352)	(15,119)	(16,851)	(16,273)	(10,208)	(7,376)	(78,295)		291,729
Subway Track	383,276	(16,200)	119	(24,606)	(60,856)	(18,091)	(18,901)	(19,553)	(20,195)	(21,043)	(199,326)		183,950
Easier Access Phase III	463,018	(8,824)	3,037	(982)	7,191	797	(916)				303		463,321
Leslie Barns Streetcar Maintenance and Storage Facility	488,350	(19,274)	14,067	(700)							(5,907)		482,443
Surface Track	489,568	(26,657)	(361)	(36,573)	(19,699)	(26,530)	(20,712)	(21,638)	(22,430)	(23,523)	(198,123)		291,445
Toronto Rocket Yard and Storage Accommodation Track	506,024	(31,092)	10,535	3,552	1,284	16,478	377				1,134		507,158
Other Buildings & Structures Projects	539,210	(42,355)	(4,614)	2,596	11,935	16,807	(2,315)	(538)	(592)	(691)	(19,767)		519,443
Information Technology System-Infrastructure	609,198	(5,588)		(5,384)	(807)		(5,375)	(18,358)	(15,713)	(14,048)	(65,273)		543,925
Purchase of Buses	739,910	(705)	1,769	993	7,384	(56,762)	(17,855)	(22,989)	(28,554)	(4,136)	(120,855)		619,055
ATC Resignalling	873,068	(76,520)	(8,121)	9,850	25,694	20,354	14,735	(8,274)	(7,431)	(8,922)	(38,635)		834,433
Subway Car Purchases	1,153,537	1,080	3,755	4,076							8,911		1,162,448
Other previously approved		(71,368)	20,758	(39,490)	(23,995)	(100,795)	(59,919)	(62,188)	(65,262)	(61,486)	(463,745)		
Total Previously Approved		(374,451)	(75,212)	(166,349)	(101,830)	(169,895)	(149,042)	(189,033)	(190,782)	(158,691)	(1,111,540)		
New													
Streetcar Overhaul Program				410	410	410	410	410	410	6,073	8,533	18,618	27,151
Power Dist./Electric Systems - Various			201	9,489	8,545	5,796	5,716	5,559	5,679	5,914	46,899	7,436	54,335
Other Maintenance Equipment		902	50	1,225	1,151	1,153	1,154	1,213	1,158	1,160	9,166	1,861	11,027
Other Bldgs & Structures Projects		587	13,233	10,383	665	679	4,287	5,056	6,904	6,884	48,678	7,859	56,537
On-Grade Paving Rehabilitation					11,008	13,500	12,800	12,798	10,200	10,962	71,268	9,863	81,131
Fire Ventilation Upgrade					(10,488)						(10,488)		(10,488)
Bus Heavy Rebuild Program - Overhaul		1,715	60,013	42,055	9,903	5,804	857				120,347		120,347
Subway Track		593	26,946	24,208	53,199	24,534	25,044	25,596	26,190	29,793	236,103	27,698	263,801
Purchase of Rail Non-Revenue Vehicle		4,655	2,248	8,906	6,256						22,065		22,065
Automotive Non-Revenue Vehicles		4,948		2,472	2,382	3,377	5,877	4,074	5,123	2,064	30,317	1,984	32,301
Traction Power - Various			16,678	17,532	15,632	14,959	11,548	11,044	11,542	11,659	110,594	17,811	128,405
Yards and Roads - Various			51								51		51
Leslie Barns Streetcar Maint.& Storage Facility			10,052								10,052		10,052
Transit Shelters & Loops							231	286	295	303	1,115	309	1,424
Fare Handling Equipment		30,765	7,675	75	75	250	250	250	250	300	39,890	300	40,190
Subway Car Purchases			(5,000)								(5,000)		(5,000)
Replace 40' Diesel Buses or Equivalent		2,988									(23,215)		(20,227)
Other Service Planning				3,068	5,035	2,635	2,035	2,035	2,035	2,035	18,878	2,035	20,913
Subway Car Overhaul Program		37,402	13,415	1,614	657	800	715	4,919	4,919	4,919	64,441	24,415	88,856
Finishes - Various		8,333			12,578	17,462	17,025	17,454	9,200	7,253	89,305	6,302	95,607
Equipment - Various		360	6,520	5,228	7,964	12,319	16,574	12,594	9,797	71,356	9,875	81,231	91,607
Tools and Shop Equipment		4,960	3,382	5,067	2,408	3,016	2,321	2,570	2,119	2,160	28,003	2,573	30,576
Environmental Programs					3,707	8,488	13,496	6,240	5,676	5,790	43,397	5,934	49,331
Communications - Various		(3,352)	(1,356)	(1,155)	(2,199)	2,507	6,947	6,703	6,507	6,561	21,163	8,246	29,409
Furniture & Office Equipment		10	486	355	272	683	425	237	492	235	3,195	483	3,678
Easier Access Phase II & III							47,957	46,739	42,041	27,916	164,653	22,564	187,217
Rail Non-Revenue Vehicle Overhaul		458							1,192	1,718	3,368	1,153	4,521
Bridges and Tunnels - Various			17,363	42,763	37,636	38,894	40,645	41,071	44,453	42,271	305,096	39,574	344,670
Fare System		(528)	(753)	(2,860)							(4,141)		(4,141)
Signal Systems - Various		4,813			55	3,703	1,459	1,608	1,257	1,296	14,191	1,331	15,522
ATC Resignalling			1,639								1,639	40,506	42,145
Surface Track			35,059	33,897	22,408	25,635	26,007	25,238	25,944	26,723	220,911	30,056	250,967
Information Technology System-Infrastructure		6,807	14,915			20,550	4,667	15,597	15,288	10,798	88,622	8,689	97,311
Total New		106,416	222,817	204,732	181,295	202,799	243,477	249,067	241,468	201,369	1,853,440	297,475	2,971,475
Total Changes		(268,035)	147,605	38,383	79,465	32,904	94,435	60,034	50,686	42,678	2,964,980	297,475	2,971,475

Significant Capital Project Changes in TTC:

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

Significant reductions have been made to the following project costs:

- *Bus Heavy Rebuild Program* – Overhaul project cost has been decreased by \$108.892 million or 35.5%, based on a reprioritization of capital projects and a lack of available funding. This project includes the mechanical and body overhaul of Commission buses to ensure they continue to provide safe, reliable service until they reach retirement.
 - In recent years, this work has been performed on buses after they have been in service for approximately 9 years. Unfunded cash flow funding from 2019 – 2025 (\$260.645 million) has increased by \$4.584 million over last year and remains on the list of unfunded projects due to funding constraints.
- The Replacement Bus program has decreased by \$141.082 million or 24% over the 9 year period mostly due to project costs being removed from the 10-Year Capital Plan and placed "below the line" based on a reprioritization of capital projects.

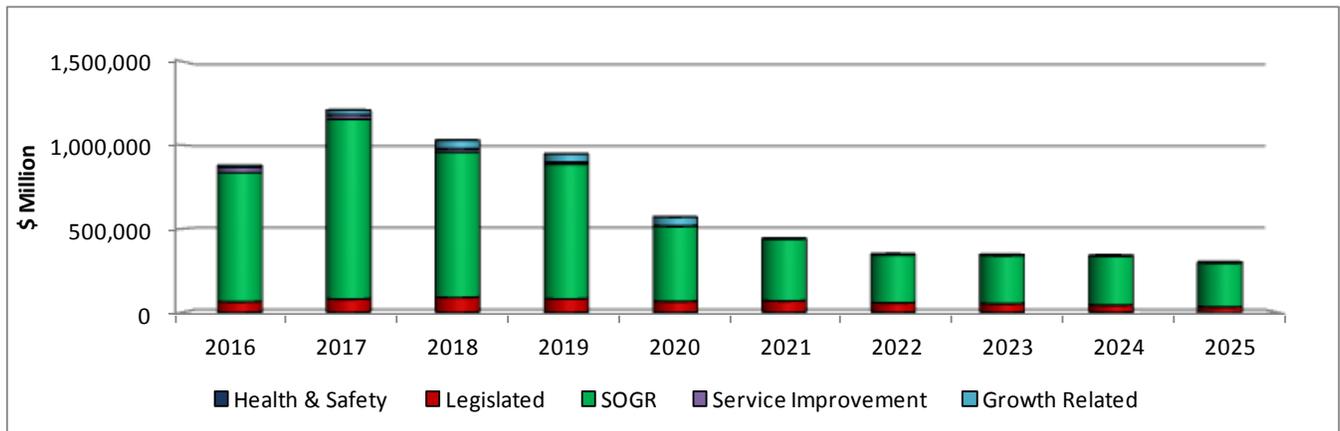
The following previously approved TTC capital projects have been allocated increased funding to address key priorities outlined below:

- The *Easier Access Phase III project* has been increased by \$164.653 million or 68.5%.
 - Project funding in the years from 2021 – 2024 was previously included in the list of unfunded projects but has now has been added to the 10-Year Capital Plan based on a reprioritization to ensure the TTC can continue to make advancements on this project.
 - This project includes constructing and enhancing accessibility features (i.e. installation of elevators at TTC stations) to make the TTC fully accessible by 2025.
 - This requirement, as a result of Provincial legislation, is very costly and funded by debt and Provincial subsidies.
- The *Subway Car Overhaul Program* has been increased by \$87.705 million or 51.3%.
 - This program ensures that the new subway fleet is maintained in a state of good repair. A comprehensive overhaul program is scheduled for the vehicles at 5 to 6 year intervals until their retirement at 30 years.
- The *Finishes* project has also increased by \$89.15 million over the 9 year period.
 - Cash flow funding from 2018-2024 that was previously included in the list of unfunded projects has now been partially added to the 10-Year Capital Plan, based on a reprioritization to ensure the TTC can continue to make advancements on this project.
 - TTC infrastructure is aging and requires bringing it to a state of good repair, while at the same time planning for implementing needed service expansion is a significant challenge. The Finishes project includes the Roofing Rehabilitation Program and the Station Modernization

project, both are aimed at ensuring TTC can support the delivery of services and meet future needs of the public.

2016 – 2025 Preliminary Capital Plan

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



As illustrated in the chart above, the 10-Year Capital Plan for TTC of \$5.474 billion provides 85.5% funding for State of Good Repair (SOGR) projects and \$1.063 million or 1.7% for Service Improvement projects. Legislative mandated projects represent \$624 million or 9.7% and Growth Related projects represent the remaining of \$198 million or 3.1% over the 10-year period.

- The major share of the \$5.474 billion over the 10-year period has been dedicated to State of Good Repair projects.
 - The TTC has identified \$9.081 billion (excluding carry forwards of \$235.525 million) in capital needs for the 2016-2025 period. The City has been able to identify \$6.401 billion in available funding to address these needs, resulting in \$2.679 billion in unfunded pressures.
 - Unfunded pressures are discussed in further detail in Part III (Issues for Discussion – Capital Plan Affordability). Chart 2 represents the available funding for the TTC's most immediate needs.
- 85% of funding is required to maintain assets in a state of good repair. Major SOGR projects include the *Purchase of LRVs* (\$546.107 million), the *Yonge-University-Spadina (YUS) ATC Resignalling* project (\$548.984 million), the *Bridges & Tunnels Program* (\$432.446 million) and the *Toronto Rocket Yard and Storage Track Accommodation* project (\$402.511 million).
- Legislated projects account for 9.7% or \$624.351 million of total funding for the 10-year period of which \$428.394 million or 68.6% is for the *Easier Access* program; a program designated to construct and enhance accessibility features to make the TTC fully accessible by 2025.
- Growth related projects (3.1% or \$197.491 million), including the *McNicoll Bus Garage Facility*, and PRESTO Implementation (\$21.843 million). Service improvement projects (1.7% or \$106.3 million), including *purchase of 50 buses* account for the remaining 4.8% of total funding.

- Growth related projects (3.1% or \$197.491 million), including the *McNicoll Bus Garage Facility*, and service improvement projects (1.7% or \$174.758 million), including the *Implementation of PRESTO*, account for the remaining 4.8% of total funding.

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

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

	Total App'd Cash Flows to Date*	2016 Budget	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2016 - 2025 Total	Rec'd Total Project Cost
Total Expenditures by Category													
Legislated													
<i>Yards and Roads</i>		4,110	7,000	10,765	11,324	11,445						44,644	
<i>Bus Heavy Rebuild Program</i>		5,630	335	350								6,315	
<i>Communications</i>		1,827	2,253	729								4,809	
<i>Easier Access Phase II & III</i>	463,018	34,439	52,044	54,904	55,482	41,417	50,848	46,739	42,041	27,916	22,564	428,394	463,321
<i>Environmental Programs</i>		10,337	11,773	15,620	8,448	8,488	13,496	6,240	5,676	5,790	5,934	91,802	
<i>Equipment</i>		3,690	3,048	2,200	448	606	967					10,959	
<i>Other Bldgs & Structures Projects</i>		2,198	1,811	3,566	3,562	2,558	2,344	2,600	2,617	2,598	2,831	26,685	
<i>Other Service Planning</i>		200	200	200	200	200	200	200	200	200		1,800	
<i>Streetcar Overhaul Program</i>			410	410	410	410	410	410	410	6,073		8,943	
Sub-Total		62,431	78,874	88,744	79,874	65,124	68,265	56,189	50,944	42,577	31,329	624,351	
State of Good Repair													
<i>ATC Resignalling</i>	873,068	4,706	83,641	90,434	86,218	60,781	51,438	38,923	43,338	48,999	40,506	548,984	874,939
<i>Automotive Non-Revenue Vehicles</i>		9,328	3,465	2,472	2,382	3,377	5,877	4,074	5,123	2,064	1,984	40,146	
<i>Bridges and Tunnels</i>		50,472	54,667	42,763	37,636	38,894	40,645	41,071	44,453	42,271	39,574	432,446	
<i>Bus Heavy Rebuild Program</i>		67,566	65,262	42,055	9,903	5,804	857					191,447	
<i>Communications</i>		9,405	18,836	15,486	14,588	8,255	6,947	6,703	6,507	6,561	8,246	101,534	
<i>Equipment</i>		27,938	45,456	33,260	25,213	23,998	18,919	16,574	12,594	9,797	9,875	223,624	
<i>Fare Handling Equipment</i>	30,516	33,977	7,675	75	75	250	250	250	250	300	300	43,402	30,516
<i>Fare System</i>			571	577	483							1,631	
<i>Finishes</i>		14,625	19,514	14,714	17,438	17,462	17,025	17,454	9,200	7,253	6,302	140,987	
<i>Fire Ventilation Upgrade</i>	352,665	23,487	22,947	40,659	27,011							114,104	
<i>Furniture & Office Equipment</i>		209	486	355	272	683	425	237	492	235	483	3,877	
<i>Information Technology System-Infrastructure</i>		83,342	88,283	52,687	31,967	48,434	17,998	15,597	15,288	10,798	8,689	373,083	
<i>Leslie Barns Streetcar Maint. & Storage Facility</i>		26,225	27,119	2,200								55,544	
<i>On-Grade Paving Rehabilitation</i>		8,802	11,348	13,354	12,802	13,500	12,798	10,200	10,962	9,863	9,863	116,429	
<i>Other Bldgs & Structures Projects</i>		31,786	80,313	76,741	61,696	51,270	19,621	5,056	6,904	6,543	4,028	343,958	
<i>Other Maintenance Equipment</i>		3,033	1,276	1,225	1,151	1,153	1,154	1,213	1,158	1,160	1,861	14,384	
<i>Other Service Planning</i>		750										750	
<i>Power Dist./Electric Systems</i>		7,514	9,792	10,732	8,335	5,576	5,496	5,329	5,449	5,674	7,196	71,093	
<i>Purchase of Legacy LRVs</i>		62,794	165,928	157,136	160,249							546,107	1,186,503
<i>Purchase of Rail Non-Revenue Vehicle</i>		9,378	8,673	1,796	6,635	2,350						28,832	
<i>Queensway Bus Garage Renovations</i>		495										495	
<i>Rail Non-Revenue Vehicle Overhaul</i>		1,055	2,050	2,075	1,765	1,783	1,669	1,685	1,703	1,718	1,153	16,656	
<i>Replace 40' Diesel Buses or Equivalent</i>		64,401	73,400	60,600	69,472	4,449	42,270	40,012	37,425	41,747		433,776	478,456
<i>Signal Systems</i>	716,637	8,484	23,224	22,794	14,120	3,703	1,459	1,608	1,257	1,296	1,331	79,276	
<i>Streetcar Overhaul Program</i>		7,992	8,614			633	905	278	3,831	7,236	18,618	48,107	
<i>Subway Car Overhaul Program</i>		68,157	48,042	19,002	18,120	17,885	15,297	13,232	17,059	17,373	24,415	258,582	
<i>Subway Car Purchases</i>	1,129,514	24,236	9,122	4,076								37,434	1,166,948
<i>Subway Track</i>		26,978	42,608	24,149	53,199	24,534	25,044	25,596	26,190	29,793	27,698	305,789	
<i>Surface Track</i>		22,177	61,717	33,897	22,408	25,635	26,007	25,238	25,944	26,723	30,056	299,802	
<i>Tools and Shop Equipment</i>		10,296	4,275	5,067	2,408	3,016	2,321	2,570	2,119	2,160	2,573	36,805	
<i>Toronto Rocket Yard & Storage Track Accommodation</i>	94,733	38,204	65,391	81,357	104,280	69,889	43,390					402,511	423,518
<i>Traction Power</i>		25,025	21,968	17,532	15,632	14,959	11,548	11,044	11,542	11,659	17,811	158,720	
<i>Transtop Shelters & Loops</i>		240	250	257	264	271	278	286	295	303	309	2,753	
<i>Wilson Complex - Modifications for the Toronto Roc</i>			487									487	
Sub-Total	3,703,755	773,077	1,076,400	869,527	805,722	448,544	369,640	286,828	288,321	292,625	262,871	5,473,555	4,160,880
Service Improvements													
<i>Finishes</i>		55	159									214	
<i>Other Bldgs & Structures Projects</i>		7,724	12,568	1,340	496	559	720	720	560	500	1,000	26,187	
<i>Other Service Planning</i>		5,320	5,835	5,636	5,035	2,635	2,035	2,035	2,035	2,035	2,035	34,636	
<i>Power Dist./Electric Systems</i>		201	201	210	210	220	220	230	230	240	240	2,202	
<i>Purchase of Rail Non-Revenue Vehicle</i>		20	6,648	13,026	6,256							25,950	
<i>Replace 40' Diesel Buses or Equivalent</i>	27,534	14,072										14,072	
<i>Subway Track</i>		1,690	322	59								2,071	
<i>Surface Track</i>		1,007										1,007	
Sub-Total	27,534	30,089	25,733	20,271	11,997	3,414	2,975	2,985	2,825	2,775	3,275	106,339	-
Growth Related													
<i>Yards and Roads</i>			1,033									1,033	
<i>Fare Handling Equipment</i>		260										260	
<i>Fare System</i>	46,698	9,830	6,984	2,159								18,973	
<i>McNicol Bus Garage Facility</i>	6,242	2,308	20,500	50,000	50,000	51,950						174,758	181,000
<i>Other Bldgs & Structures Projects</i>		1,480	987									2,467	
Sub-Total		13,878	29,504	52,159	50,000	51,950						197,491	181,000
Total Expenditures by Category (excluding carry forward)	3,731,289	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	4,341,880

2016 – 2025 Capital Projects

The 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

- Major Legislated projects require cash flow funding of \$624.351 million or 9.75% of the total 10-Year Capital Plan's expenditures.
 - *Easier Access Phase III (\$428.394 million)*
 - Funding of \$428.394 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) Projects

- *Purchase of Streetcars (LRVs)*
 - Funding of \$546.107 million (total project cost of \$1.187 billion), will provide for the continued purchase of 204 LRVs procured from 2012-2020. The current LRV procurement schedule has been adjusted to account for a delay in the delivery of the vehicles by the manufacturer, as well as the cash flow funds in this Capital Plan.
- *ATC Resignalling*
 - The project requires \$562.835 million in costs to improve the YUS Line and \$300.687 million to improve the 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.
 - ATC for the BD line includes additional scope requirements beyond the 10-Year Capital Plan period as the work for this project has been delayed until the *YUS ATC Resignalling* project is significantly completed by 2021
- *Purchase of Buses*
 - Funding of \$433.776 million is required to address projected ridership growth and to maintain an 18 year life cycle program.
- *Bridges and Tunnels*
 - Funding of \$432.446 million is required to address infrastructure maintenance and improvements to bridges and tunnels to maintain these assets in a state of good repair.
- *Toronto Rocket Yard & Storage Track Accommodation*
 - Funding of \$402.511 million (total project cost of \$516.674 million) will provide for the design and construction of various subway vehicle facilities and yards to ensure proper delivery, maintenance and storage of the new fixed six-car Toronto Rocket subway trains.
- *Information Technology System-Infrastructure*
 - Funding of \$373.083 million 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.

- *Bus Heavy Rebuild Program*
 - The program is based on an 18 year life cycle and requires funding of \$354.758 million to conduct the mechanical and body overhaul of Commission buses to ensure they continue to provide safe, reliable service until they reach retirement.
 - This program includes mid-life overhauls on buses after approximately 9 years of service, a maintenance program at 6 and 12 years for all hybrid buses, and a 15 year mechanical overhaul program of engines on specific buses.

Service Improvement Projects

- *Other Buildings and Structures*
 - \$26.187 million in funding will provide a secondary subway platform to Union Subway station and modify the existing concourse level to accommodate the flow of future walking traffic.
- *Other Service Planning*
 - \$34.636 million in funding 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 Projects

- *Fare System*
 - Funding of \$18.973 million will deliver the design and build of TTC-PRESTO devices for the implementation of the PRESTO fare collection system.
- *McNicoll Bus Garage Facility*
 - Funding of \$174.758 million will provide for the construction of an indoor storage and maintenance facility for 250 buses to accommodate ridership growth and expanding bus fleet.

2016 Capital Budget and Future Year Commitments

- Included as sub-set of the 10-Year Capital is the 2016 Capital Budget and Future Year Commitments, that consists of 2016 and future year cash flow funding estimates for 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 list the 2016 Cash Flow and Future Year Commitments for TTC:

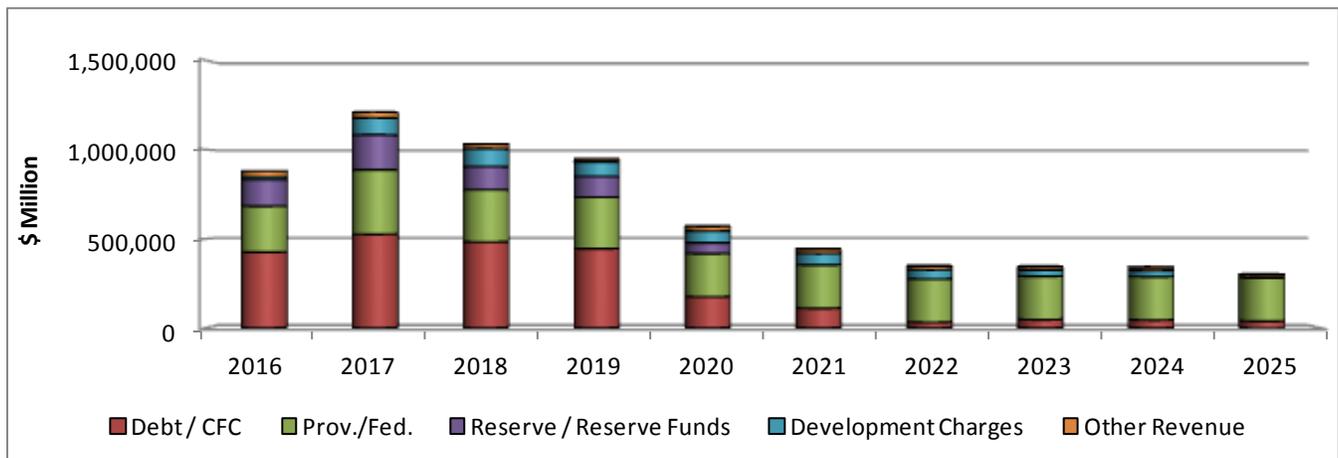
Table 3a
2016 Cash Flow & Future Year Commitments (In \$000s)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016 Cash Flow & FY Commits
Expenditures:											
Previously Approved											
ATC Resignalling	4,706	82,002	90,434	86,218	60,781	51,438	38,923	43,338	48,999	40,506	547,345
Automotive Non-Revenue Vehicles	4,380	3,465									7,845
Bridges and Tunnels - Various	50,472	37,304									87,776
Bus Heavy Rebuild Program - Overhaul	71,481	5,584	350								77,415
Communications - Various	14,584	22,445	17,370	16,787	5,748						76,934
Easier Access Phase II & III	34,439	52,044	54,904	55,482	41,417	2,891					241,177
Environmental Programs	10,337	11,773	15,620	4,741							42,471
Equipment - Various	31,268	41,984	30,232	25,661	16,640	7,567					153,352
Fare Handling Equipment	3,472										3,472
Fare System	10,358	8,308	5,596	483							24,745
Finishes - Various	6,347	19,673	14,714	4,860							45,594
Fire Ventilation Upgrade	23,487	22,947	40,659	37,499							124,592
Furniture & Office Equipment	199										199
Information Technology System-Infrastructure	76,535	73,368	52,687	31,967	27,884	13,331					275,772
Leslie Barns Streetcar Maint. & Storage Facility	26,225	17,067	2,200								45,492
McNicoll Bus Garage Facility	2,308	20,500	50,000	50,000	51,950						174,758
On-Grade Paving Rehabilitation	8,802	11,348	13,354	1,794							35,298
Other Bldgs & Structures Projects	42,601	82,446	71,264	65,089	53,708	18,398	3,320	3,177	2,757	2,831	345,591
Other Maintenance Equipment	2,131	1,226									3,357
Other Service Planning	6,270	6,035	2,768	200	200	200	200	200	200		16,273
Power Dist./Electric Systems - Various	7,715	9,792	1,453								18,960
Purchase of Legacy LRVs	62,794	165,928	157,136	160,249							546,107
Purchase of Rail Non-Revenue Vehicle	4,743	13,073	5,916	6,635	2,350						32,717
Queensway Bus Garage Renovations	495										495
Rail Non-Revenue Vehicle Overhaul	597	2,050	2,075	1,765	1,783	1,669	1,685	511			12,135
Replace 40' Diesel Buses or Equivalent	75,485	73,400	60,600	69,472	4,449	42,270	40,012	37,425	64,962	120,859	588,934
Signal Systems - Various	3,671	23,224	22,794	14,065							63,754
Streetcar Overhaul Program	7,992	9,024			633	905	278	3,831	7,236	1,922	31,821
Subway Car Overhaul Program	30,755	34,627	17,388	17,463	17,085	15,297	12,517	12,140	12,454	3,793	173,519
Subway Car Purchases	24,236	14,122	4,076								42,434
Subway Track	28,075	15,984									44,059
Surface Track	23,184	26,658									49,842
Tools and Shop Equipment	5,336	893									6,229
Toronto Rocket Yard & Storage Track Accommodation	38,204	65,391	81,357	104,280	69,889	43,390					402,511
Traction Power - Various	25,025	5,290									30,315
Transit Shelters & Loops	240	250	257	264	271	47					1,329
Wilson Complex - Modifications for the Toronto Roc		487									487
Yards and Roads - Various	4,110	7,982	10,765	11,324	11,445						45,626
Subtotal	773,059	987,694	825,969	766,298	366,233	197,403	96,935	100,622	136,608	169,911	4,420,732
Change in Scope											
ATC Resignalling		1,639									1,639
Bus Heavy Rebuild Program - Overhaul	1,715										1,715
Communications - Various	(3,352)	(1,356)	(1,155)	(2,199)							(8,062)
Easier Access Phase II & III						47,957	46,739	42,041	27,916	22,564	187,217
Equipment - Various	360	402									762
Fare Handling Equipment	260										260
Fare System	(528)	(753)	(2,860)								(4,141)
Fire Ventilation Upgrade				(10,488)							(10,488)
Leslie Barns Streetcar Maint. & Storage Facility		10,052									10,052
Other Bldgs & Structures Projects	587	987	735	665	679						3,653
Purchase of Rail Non-Revenue Vehicle	4,655	2,248									6,903
Rail Non-Revenue Vehicle Overhaul	458										458
Replace 40' Diesel Buses or Equivalent	2,988								(23,215)	(120,859)	(141,086)
Streetcar Overhaul Program										16,696	16,696
Subway Car Overhaul Program	37,402	13,415	1,614	657	800		715	4,919	4,919	20,622	85,063
Subway Car Purchases		(5,000)									(5,000)
Subway Track	593	322	59								974
Yards and Roads - Various		51									51
Subtotal	45,138	22,007	(1,607)	(11,365)	1,479	47,957	47,454	46,960	9,620	(60,977)	146,666

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

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016 Cash Flow & FY Commits
New w/Future Year											
Automotive Non-Revenue Vehicles	4,948										4,948
Bridges and Tunnels - Various		17,363	14,120								31,483
Bus Heavy Rebuild Program - Overhaul		60,013	29,540								89,553
Environmental Programs				3,707	1,459						5,166
Equipment - Various		6,118	5,228		2,550						13,896
Fare Handling Equipment	30,505	7,675									38,180
Finishes - Various	8,333			500							8,833
Furniture & Office Equipment	10	486									496
Information Technology System-Infrastructure	6,807	13,802									20,609
Other Bldgs & Structures Projects		12,246	9,648			4,287	5,056	6,904	5,131		43,272
Other Maintenance Equipment	902	50									952
Other Service Planning			3,068	5,035	2,635	2,035	2,035	2,035	2,035	235	19,113
Power Dist./Electric Systems - Various		201	6,752								6,953
Purchase of Rail Non-Revenue Vehicle			8,906	6,256							15,162
Signal Systems - Various	4,813										4,813
Streetcar Overhaul Program			410	410	410	410	410	410	6,073		8,533
Subway Track		26,624									26,624
Surface Track		35,059									35,059
Tools and Shop Equipment	4,960	3,382	5,067								13,409
Traction Power - Various		16,678	1,759								18,437
Subtotal	61,278	199,697	84,498	15,908	7,054	6,732	7,501	9,349	13,239	235	405,491
Total Expenditure	879,475	1,209,398	908,860	770,841	374,766	252,092	151,890	156,931	159,467	109,169	4,972,889
Financing:											
Debt/CFC	424,654	523,705	428,685	376,676	125,998	85,065	20,368	33,873	38,082		2,057,106
Debt Recoverable											-
Other	33,449	33,136	22,300	10,906	18,234	13,331					131,356
Reserves/Res Funds	147,084	195,917	92,200	74,503	25,216						534,920
Development Charges	16,466	95,479	100,150	81,573	65,775	64,760	52,265	34,779	34,679		545,926
Provincial/Federal	257,822	361,161	265,525	227,183	139,543	88,936	79,257	88,279	86,706	109,169	1,703,581
Total Financing	879,475	1,209,398	908,860	770,841	374,766	252,092	151,890	156,931	159,467	109,169	4,972,889

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

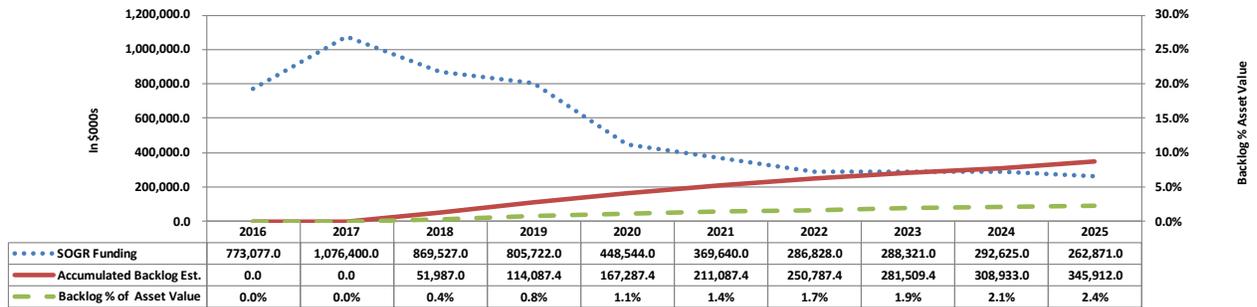


The 10-Year Capital Plan of \$6.402 billion in cash flow funding will be financed by the following sources:

- Debt accounts for \$2.317 billion or 36.2% of the financing over the 10-year period.
 - Debt funding is at the maximum limit of the 10-year debt affordability guidelines of \$2.317 billion debt target.
 - The TTC has identified \$9.081 billion (excluding carry forwards of \$235.525 million) in capital needs for the 2016-2025 period. The City has been able to identify \$6.402 billion in available funding to address these needs, resulting in \$2.679 billion in unfunded capital work.
- Federal/Provincial Grants fund \$2.656 billion or 41.5% of the 10-Year Capital Plan's projected expenditures.
- Reserves constitute \$648.863 million or 10.1% of the 10-Year Capital Plan's projected expenditures.
 - City reserves will provide funding from the Capital Financing Strategy which includes the use of surplus operating funds in accordance with the City's surplus management policy, Build Toronto and one-time TPA dividends and anticipated contributions from the Federal/Provincial government.
 - This funding is assumed for new streetcar and subway car related projects, which have exerted much of the pressure on the TTC's Capital Program, as well as other SOGR projects such as Bridges and Tunnels, Equipment, Subway Track, Other Buildings and Structures, and Signal Systems.
- Development Charges (DCs) represent \$359.443 million or 7.8% of required funding in the first five years and \$188.243 or 8.6% over last five years of the 10-year period.
 - DC funding has increased by \$36 million or 7.0% from the 2015-2024 Approved Capital Plan to accommodate the increasing need of funding for growth related projects, such as the McNicoll Bus Garage Facility and the Purchase of Buses.
 - 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 2013 DC By-law.
- Combined Federal and Provincial funding from these 2 orders of government contributes \$2.657 billion or 31.1% of all financing for the 2016 - 2025 Capital Budget and Plan, collectively.
- Other sources of funding, which account for \$231.677 million or 3.0% will be utilized for the following redevelopment/revitalization projects:
 - Information Technology System-Infrastructure
 - Automotive Non-Revenue Vehicles
 - Tools and Shop Equipment

State of Good Repair (SOGR) Backlog

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



The 10-Year Capital Plan dedicates \$5.474 billion to SOGR spending over the 10-Year Capital Plan, of which \$3.973 billion or 90% of spending is in the first five years.

- The replacement value of TTC’s assets is estimated at \$14.6 billion, based on replacement costs, incorporating bridges, tunnels, buildings, yards, roads, and subway and surface track. A large portion of TTC’s infrastructure is more than 50 years old.
- It is estimated that at the end of 2015, the TTC will not have a backlog of SOGR. TTC’s backlog of SOGR capital projects was established in the 2014-2023 Approved Capital Plan. The following was used to establish and maintain the accumulated backlog of SOGR projects for the TTC.
 - TTC's annual capital spend rate is typically around 70%. Staff analyzed the TTC's capacity to spend by project based on historical spending and identified opportunities to reduce cash flow funding and timing for various SOGR projects based on TTC's spending rate. The cash flow funding being reduced was placed "below the line" to establish an SOGR backlog.
 - Most ongoing SOGR programs are being funded in the TTC's 2016-2025 Capital Plan. The projects below the line have been reduced based on TTC's capacity to spend. Driving the SOGR backlog is TTC's inability to spend 100% of approved cash flow funding each year on certain projects.
 - The SOGR backlog is managed and revisited each year to ensure critical SOGR work is funded.
- The delay of significant investments in infrastructure renewal projects will increase the backlog of SOGR work to \$345.912 million by year-end 2025, representing 2.4% of the asset replacement value.
- The state of good repair backlog by asset category is presented in the table below:

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

Total	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
State of Good Repair Funding	193,178	318,077	241,696	228,586	192,790	154,584	137,377	137,827	137,748	138,905
Accumulated Backlog Est. (yr end)	-	-	51,987	114,087	167,287	211,087	250,787	281,509	308,933	345,912
Backlog %Asset Value	0.0%	0.0%	0.4%	0.8%	1.1%	1.4%	1.7%	1.9%	2.1%	2.4%
Asset Value	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000	14,600,000
Subway Track										
State of Good Repair Funding	26,978	42,608	24,149	53,199	24,534	25,044	25,596	26,190	29,793	27,698
Accumulated Backlog Est. (yr end)			6,000	19,200	25,300	31,700	38,200	44,748	52,248	58,977
Asset Value										
Surface Track										
State of Good Repair Funding	22,177	61,717	33,897	22,408	25,635	26,007	25,238	25,944	26,723	30,056
Accumulated Backlog Est. (yr end)			8,500	14,100	20,600	27,000	33,400	39,886	46,686	54,186
Asset Value										
Traction Power - Various										
State of Good Repair Funding	25,025	21,968	17,532	15,632	14,959	11,548	11,044	11,542	11,659	17,811
Accumulated Backlog Est. (yr end)			3,200	7,200	11,000	13,900	16,700	19,586	22,501	27,001
Asset Value										
Roofing Rehabilitation Program										
State of Good Repair Funding										
Accumulated Backlog Est. (yr end)			2,187	6,087	10,087	14,087	18,087	19,787	21,375	22,725
Asset Value										
Equipment - Various										
State of Good Repair Funding	27,938	45,456	33,260	25,213	23,998	18,919	16,574	12,594	9,797	9,875
Accumulated Backlog Est. (yr end)			6,600	13,000	19,200	24,200	28,400	30,623	32,352	34,752
Asset Value										
Bridges and Tunnels - Various										
State of Good Repair Funding	50,472	54,667	42,763	37,636	38,894	40,645	41,071	44,453	42,271	39,574
Accumulated Backlog Est. (yr end)			8,000	17,400	27,100	37,300	47,800	55,645	60,342	70,342
Asset Value										
On-Grade Paving Rehabilitation										
State of Good Repair Funding	8,802	11,348	13,354	12,802	13,500	12,800	12,798	10,200	10,962	9,863
Accumulated Backlog Est. (yr end)			2,500	5,700	9,100	12,300	15,500	17,300	18,518	21,018
Asset Value										
Other Bldgs & Structures Projects										
State of Good Repair Funding	31,786	80,313	76,741	61,696	51,270	19,621	5,056	6,904	6,543	4,028
Accumulated Backlog Est. (yr end)			15,000	31,400	44,900	50,600	52,700	53,934	54,911	56,911
Asset Value										
Other SOGR Projects										
State of Good Repair Funding	579,899	758,323	627,831	577,136	255,754	215,056	149,451	150,494	154,877	123,966
Accumulated Backlog Est. (yr end)										
Asset Value										

10-Year Capital Plan: Net Operating Budget Impact

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

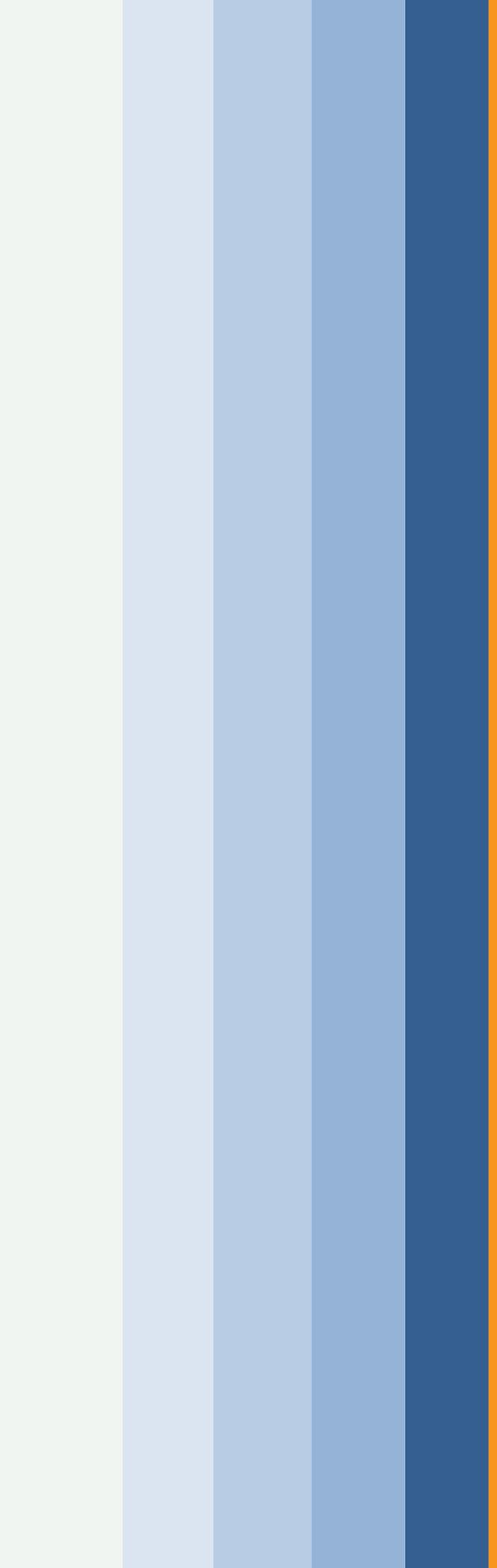
Projects	2016 Budget		2017 Plan		2018 Plan		2019 Plan		2020 Plan		2016 - 2020		2016 - 2025	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
Information Technology System-Infrastructure	3,229.0		2,515.0		5,025.0		4,063.0		1,584.0		16,416.0		18,109.0	
Fare Handling Equipment				(128.4)	4,000.0	(163.0)					4,000.0	(291.4)	4,000.0	(291.4)
Equipment - Various	1.0	0.6	1.0	0.8	1.0	0.1	1.1	0.8	1.1	0.2	5.2	2.5	11.1	2.9
McNicol Bus Garage Facility		0.1						0.1	9,764.9		9,764.9	0.2	9,764.9	0.3
Communications - Various	0.5		(12,753.4)		(18,507.8)		(629.8)		(644.7)		(32,535.2)		(35,946.9)	
Replace 40' Diesel Buses or Equivalent	(162.3)	(1.4)									(162.3)	(1.4)	(162.3)	(1.4)
Fare System	574.9		(1,075.5)		6.1		(204.7)				(699.2)		(699.2)	
Leslie Barns Streetcar Maint. & Storage Facility	6,516.5	(50.0)	544.6	6.8		7.5				5.5	7,061.1	(30.2)	7,061.1	(30.2)
Other Service Planning	115.0	(2.0)	(57.0)	(1.8)	(75.0)	(2.0)	35.0		35.0		53.0	(5.8)	228.0	(5.8)
Easier Access Phase II & III		4.0	52.0	(11.0)	73.0		62.0	(2.0)	73.0		260.0	(9.0)	691.0	(9.0)
Signal Systems - Various	138.0	113.0	165.0		67.0		66.0		70.0		506.0	113.0	663.0	113.0
Fire Ventilation Upgrade	16.0						8.0			68.8	24.0	68.8	40.0	68.8
Purchase of Rail Non-Revenue Vehicle							420.0		800.0		1,220.0		1,220.0	
Total (Net)	10,428.6	64.3	(10,608.3)	(133.6)	(9,410.7)	(157.4)	3,820.6	(1.1)	11,683.3	74.5	5,913.5	(153.3)	4,979.7	(152.8)

The 10-Year Capital Plan will increase future year Operating Budgets by a total of \$4.980 million net over the 2016 – 2025 period, as shown in the table above.

This is comprised of funding to sustain the following capital projects:

- *Information Technology System – Infrastructure (\$3.229 million) - for increased 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.
- *Leslie Barns Streetcar Maintenance & Storage Facility (\$6,517 million) – for supporting the operational requirements of the facility.*

These future operating impacts will be reviewed each year as part of the annual Operating Budget process.



Part III:

Issues for Discussion

Issues for Discussion

Issues Impacting the 2016 Capital Budget

Capital Plan Affordability

- In July 2015, the TTC submitted a requested 10-Year Capital Plan of \$9.080 billion (excluding carry forward funding of \$235.525 million) that exceeded the City established 10-year debt target by \$2.785 billion.

(In \$000s)	2016	2017	2018	2019	2020	2015-2019	2021	2022	2023	2024	2025	2015-2024
Debt	480,030	555,977	575,082	734,667	497,821	2,843,577	312,069	536,181	418,514	396,877	594,696	5,101,914
Debt Target	498,261	529,660	502,124	380,477	138,743	2,049,265	15,576	-	-	177	252,000	2,317,018
(Under)/Over Debt Target	(18,231)	26,317	72,958	354,190	359,078	794,312	296,493	536,181	418,514	396,700	342,696	2,784,896

- TTC and City staff re-evaluated capital requirements and examined all funding opportunities in order to reduce the Capital Plan request and debt requirements to align with the City's debt target affordability.
- The TTC's 10-Year Capital Plan of \$6.401 billion is based on the following major changes:
 - Reallocated \$2.679 billion in unfunded capital projects "below the line";
 - Increased Development Charge funding by \$66.4 million based on a review of maximum project eligibility; and
 - Maximized the Provincial gas tax by \$40.0 million (\$4 million per year), based on the 4% contribution increase from Province.

Below the Line:

- While the City has made significant advancements on further reducing unfunded TTC priority projects, the table below details the remaining \$2.679 billion of projects in the 2016-2025 Capital Plan submission that could not be funded within TTC's 2016-2025 Capital Plan and therefore has been placed "below the line":

Project Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2016-2025
Proposed Projects for Reduction:											
Purchase of 99 Low Floor 40ft Diesel Buses		2,731	17,854	18,691	23,474	12,295					75,045
Purchase of Future Wheel-Trans Buses			13,900	23,600	14,400	26,000	22,400				100,300
Bus Overhaul				23,966	36,597	32,329	48,343	49,609	33,655	36,146	260,645
Purchase of 60 Light Rail Vehicles (LRVs)	55,376			157,952	140,634	6,923					360,885
Purchase of 372 New Subway Cars			249	524	584	1,523	293,407	161,569	158,376	298,699	914,931
Purchase of 675 Low Floor 40ft Buses					64,175	42,594	65,488	72,575	73,753	120,859	439,444
Fire Ventilation Upgrade				19,964	48,930	39,704	17,750	13,693	18,104	23,653	181,798
Other Infrastructure (SOGR) Projects:											
Subway Track			6,000	13,200	6,100	6,400	6,500	6,548	7,500	6,729	58,977
Surface Track			8,500	5,600	6,500	6,400	6,400	6,486	6,800	7,500	54,186
Traction Power			3,200	4,000	3,800	2,900	2,800	2,886	2,915	4,500	27,001
Roofing Rehabilitation Program			2,187	3,900	4,000	4,000	4,000	1,700	1,588	1,350	22,725
Equipment			6,600	6,400	6,200	5,000	4,200	2,223	1,729	2,400	34,752
On-Grade Paving Rehabilitation Program			2,500	3,200	3,400	3,200	3,200	1,800	1,218	2,500	21,018
Bridges and Tunnels - Mainly Structure Rehab Program			8,000	9,400	9,700	10,200	10,500	7,845	4,697	10,000	70,342
Building and Structures			15,000	16,400	13,500	5,700	2,100	1,234	977	2,000	56,911
Total 2016-2025 Unfunded Projects	55,376	2,731	83,990	306,797	381,994	205,168	487,088	328,168	311,312	516,336	2,678,960

- In order to replace the current *T1 subway cars* in service, TTC requires funding of \$914.931 million 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.

- To avoid excessive maintenance costs, replacement vehicles must be ordered well in advance to ensure timely arrival consistent with the retiring fleet.
- 60 additional LRVs, based on ridership growth projections, were requested at a cost of \$360.885 million from 2016-2021.
 - This request will be re-evaluated in year to determine the timing and required course of action to proceed given the difficulties in obtaining the first 60 vehicles in the existing order.
- 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 (\$260.645 million) in years 2019-2025 have been placed below the line.
- 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, \$181.798 million from 2019 to 2025 of cash flows 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.
- The TTC currently operates *201 Wheel-Trans Buses*. The 2016-2025 Capital Plan submission included the purchase of an additional 201 new buses (\$100.3 million) from 2018-2022 to replace the current fleet.
 - This request is being placed below the line as this commitment is not required until 2018.
 - To avoid any delays, replacement vehicles must be ordered well in advance to ensure timely arrival to ensure Wheel-Trans can continue to meet service requirements and accommodate ridership growth.
- The *Purchase of 99 Buses* to improve service levels, at a cost of \$75.045 million over the 10-year period, is being placed below the line due to funding constraints. The purpose of these buses is solely for improving the existing loading standards.
- Other Infrastructure (SOGR) Projects (\$345.912 million)
 - These account for ongoing SOGR needs that have been placed below the line resulting in increasing the SOGR backlog over the 10-Year Capital Plan by from \$345.912 million from 2016.
- The City will continue to seek a tri-party partnership between the Federal and Provincial governments for a dedicated, long-term, stable funding plan to address its \$2.679 billion of unfunded TTC capital projects for rolling stock, service improvement and growth needs.

Provincial Gas Tax Funding

- In October 2004, the Province introduced gas tax funding to municipalities for public transit. Commencing at 1¢ per litre, the funding is based on a province-wide 70% ridership and 30% population allocation, updated annually.
- The 2015/2016 Provincial Gas Tax program announced funding will be \$169.169 million; \$6.344 million higher than the prior year, with an anticipated overall increase of \$40 million over the 10-year period.

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.
- \$648.863 million from the Capital Financing Reserve will be required to fund TTC's 2016-2025 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;
 - Anticipated contributions to transit and transportation from the Federal and Provincial government;
 - 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 TTC's Capital Program into futures years, as funding utilized to support the completion of capital work required for the major projects and avoid debt borrowing and associated debt servicing costs in the City's Operating Budget.

Additional Unfunded TTC Capital Projects Not Included Below the Line

- In addition to \$2.679 billion in unfunded capital priority projects included in the TTC 10-Year Capital Plan, TTC has identified \$5.548 billion (including post-2025 requirements of \$2.323 billion) in funding for major projects, which are not included in the 2016-2025 Capital Plan nor are they on the list of unfunded priority projects held "below the line."
- Therefore, the total TTC unmet needs will amount to \$7.242 billion in the future. The TTC believes the funding for these additional projects are vital to meet future passenger growth and system safety requirements. The major projects include:
 - a) Fire Ventilation Upgrades (\$1.493 billion);
 - b) Yonge-Bloor Capacity Improvements (\$1.084 billion);

- c) Waterfront Initiatives (\$1.059 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 (\$111.100 million); and
- f) Islington Station Improvements (\$74.267).

Issues Impacting the 10-Year Capital Plan

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.

At its meeting of March 26, 2015 the TTC Board adopted the Report entitled, *Toronto - York Spadina Subway Extension – Schedule and Budget Change*, which provided a summary of the TYSSE project from conception to the date of the report and the impact of project challenges to both the schedule and budget.

- In adopting the report, the TTC Board approved a comprehensive project reset involving a new third-party project manager that will undertake the delivery of the project for a completion by December 31, 2017 (1 year later than the original schedule) and an estimated budget increase of \$150.0 million
- The report also noted that the TTC was to report back on estimated final costs of the project, including contractor claim costs.
- The report is available through the below link:

[https://www.ttc.ca/About the TTC/Commission reports and information/Commission meeting s/2015/March 26/Reports/4 1 TYSSE Final Report and Presentation.pdf](https://www.ttc.ca/About%20the%20TTC/Commission%20reports%20and%20information/Commission%20meeting%20s/2015/March%2026/Reports/4%201%20TYSSE%20Final%20Report%20and%20Presentation.pdf)

- City Council at its meeting of March 31, 2015 adopted a City staff report that accompanied the above TTC report, entitled CC5.1 *Toronto-York Spadina Subway Extension – Schedule and Budget Change*, which included authority to increase the TYSSE total project cost by \$150.0 million for the project reset.
- The report is available through the below link:
<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.CC5.1>
- The table below shows the original TYSSE budget, the impacts of the March 2015 adjustment as well as additional funding changes included in the 2016 – 2025 Capital Budget and Plan:

TYSSE – Project Cost and Funding Adjustments

Funding Partners (\$Millions)	TYSSE - Original		March 2015 Project Reset Adjustment	TYSSE - "Reset"		2016 Budget Funding Correction	TYSSE - 2016	
	Budgeted Funding	% of Funding		Budgeted Funding	% of Funding		Proposed Funding	% of Funding
Federal	697.0	26.5%		697.0	25.0%		697.0	25.0%
Provincial*	1,059.1	40.2%		1,059.1	38.0%	(85.0)	974.1	35.0%
York Region	351.6	13.3%	60.0	411.6	14.8%	34.0	445.6	16.0%
Toronto								
<i>Development Charges</i>	67.6			67.6			67.6	
<i>Tax Increment Financing</i>	98.8			98.8		(98.8)	0.0	
<i>Strategic Infrastructure RF</i>	16.1			16.1		98.8	114.9	
<i>Capital Financing RF</i>			90.0**	90.0			90.0	
<i>Debt</i>	344.0			344.0		51.0	395.0	
Sub-Total Toronto	526.5	20.0%	90.0	616.5	22.1%	51.0	667.5	24.0%
Total Project Cost	2,634.2	100.0%	150.0	2,784.2	100.0%	0.0	2,784.2	100.0%

*Provincial funding includes \$189.0 million in anticipated Move Ontario Trust investment income

**\$90.0 million in additional City funding from the Capital Financing RF includes \$50.9 million from the TTC's 2014 Operating Surplus

- The 2016 – 2025 Capital Budget and Plan includes \$183.8 million in required funding corrections, resulting in no change in the TYSSE's total project cost of \$2.784 billion, as follows:
 - An \$85.0 million reduction in Provincial funding arising from the inability of the Move Ontario Trust to achieve anticipated interest earnings of 4%, which was included in the original funding plan.
 - A \$98.8 million reduction in originally anticipated Tax Increment Financing (TIF) for the project.
 - In December 2006, the Province passed the Tax Increment Financing Act, 2006, which would have provided the municipalities with an additional funding tool for TYSSE.
 - An enabling general regulation has not been passed to date by the Province, and as such the City and York Region will not have the ability to access this source of funding.
 - An \$85 million increase in combined City of Toronto and York Region funding to offset the loss of anticipated Move Ontario Trust interest earnings.
 - The City's portion represent an increase of \$51.0 million in debt funding in TTC's Capital Plan.
 - An increase in funding of \$98.8 million from the Strategic Infrastructure Reserve Fund to offset the loss of anticipated TIF funding.
 - City staff, over recent years has held \$98.8 million in funding in the Strategic Infrastructure Reserve Fund as a contingency in the event that the Province would not pass the enabling TIF regulation.

Upcoming TTC Report on Final TYSSE Costs

As noted above, the March 26, 2015 TTC Board report included direction for TTC staff to report on estimated final costs of the project, including contractor claim costs, by December 2015.

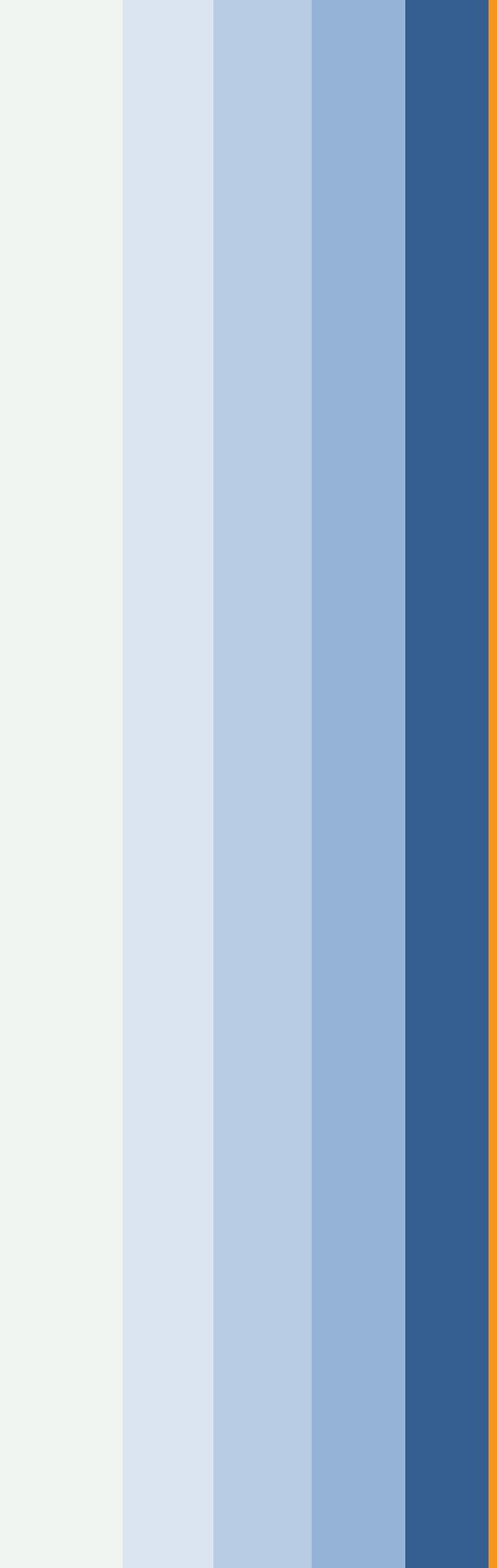
- TTC staff have advised that they will be reporting to the Board early in 2016 on final project costs.
 - The 2016 – 2025 Capital Budget and Plan does not include any additional funding for final TYSSE project costs.

- As part of the 2016 Budget process, City staff have accumulated the need for additional capital funding capacity by including a provision that gives City the capacity for borrowing in anticipation of the final costs in the upcoming TTC report.
- Council authority will be sought to adjust the TYSSE project costs following consideration of the early 2016 TTC report.

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 property taxes with increases of 0.5% approved in 2014; and additional incremental increases of 0.5% in 2015 and 0.6% in 2016 (for a total increase of 1.6% by 2016), and Development Charges.
- The following table reflects the current capital project plan for the Scarborough Subway Extension identifying the timing of proposed cash flows and anticipated funding.
 - The table has been amended from 2015 based on reduced debt servicing and the timing of DC funding and 2018 Federal and Provincial contributions:

Description (\$000s)	2014		2015		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total Project Cost
	Budget	Actual	Budget	Actual											
TOTAL GROSS ANNUAL EXPENDITURES AND PLAN															
SCARBOROUGH SUBWAY EXTENSION															
Scarborough Subway	14,500	1,218	20,704	24,290	101,118	167,550	252,162	741,903	697,403	605,395	451,992	207,773	31,000	13,500	3,295,304
SRT Life Extension			16,500	13,302	19,000	18,000	16,000	15,000	14,000	13,000	13,000	7,500			128,802
SRT Decommissioning & Demolition														123,000	123,000
Carry Forward Funding (Scarborough Subway)			13,070		12,894										12,894
TOTAL GROSS ANNUAL EXPENDITURES AND PLAN	14,500	1,218	50,274	37,592	133,012	185,550	268,162	756,903	711,403	618,395	464,992	215,273	31,000	136,500	3,560,000
FINANCING															
Property Tax - Debt	2,000		15,000	2,318	99,818	146,000	2,000	82,000	79,000	68,000	48,000	8,000	-	6,000	541,136
Property Tax - CFC (Scarborough Transit RF)	12,500	1,218	35,274	35,274	33,194	29,550	24,081	21,433	16,991	13,009	8,662	7,817	-	12,635	203,864
Development Charges					10,000	20,000	20,000	20,000	20,000	20,000	20,000	4,920	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						166,626	470,313	442,041	384,249	288,930	133,763	19,262	84,816		1,990,000
TOTAL FINANCING	14,500	1,218	50,274	37,592	133,012	185,550	268,162	756,903	711,403	618,395	464,992	215,273	31,000	136,500	3,560,000



Appendices

Appendix 1

2015 Performance

2015 Key Accomplishments

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

On January 19, 2015, the Toronto Mayor and the TTC Chair announced a \$95 million investment that will significantly expand and enhance transit service, reduce wait times and crowding, and make using the TTC more affordable for families by eliminating fares for children 12 years and under. These new investments included:

- ✓ Adding resources to focus on subway reliability around signals, track and communications systems.
- ✓ Reduced wait times and crowding at off-peak times;
- ✓ Reduced wait times and crowding on 21 of the busiest routes during morning and afternoon rush hours;
- ✓ Proof-of-payment and all-door boarding on all streetcar routes;
 - Expansion of the Express Bus network, adding four new routes to a network that serves 34 million rides annually;
 - Expanding the Blue Night Network, adding 12 routes to the 22-route network that serves 4 million rides annually;
 - Adding up to two additional subway trains on Lines 1 and 2 during morning and afternoon rush hours;
 - Route management improvements designed to reduce short-turns, bunching and gapping of bus and streetcar routes;
- ✓ This investment also includes 50 new buses and a temporary storage facility to allow for the Express Bus network expansion, reduction of wait times and crowding on some peak-period routes, as well as the need for spare buses during maintenance.
- ✓ Install PRESTO in 10 subway stations
- ✓ The Accessibility for Ontarians with Disabilities Act (AODA):
- ✓ The TTC's External Route Announcement pilot started on August 17 and is scheduled to run until the end of 2015 on 4 articulated buses along the 11 Bayview and 7 Bathurst routes. The external announcements are designed to assist visually impaired customers with the identification of the bus routes and destinations. The bus automatically identifies itself by broadcasting its destination when the front door opens (i.e. "7 Bathurst to Steeles" or "11 Bayview to Davisville via Sunnybrook"). The AODA requires transit agencies in the province to equip their buses, by 2017, with electronic systems that externally announce route, direction, destination or next major stop information as a pre-boarding announcement to riders waiting at stops. The TTC's new accessible streetcars already provide external announcements. The Toronto Rocket subway trains are scheduled to be retrofitted with external speakers by the second quarter of 2016;
- ✓ TTC's Easier Access program will make all subway stations accessible to everyone, regardless of their level of mobility. To date, 34 stations are accessible. Work to make stations accessible is on-going at Woodbine, St. Clair West, Ossington, Coxwell and Dupont Stations, including bus loop

closures at Woodbine and Coxwell for the construction of elevators. Work to overhaul an elevator at Finch Station is on-going and scheduled to be completed by Q4 2015;

- ✓ Installing external announcements on vehicles to advise customers of the route and direction prior to boarding;
- ✓ Revising Wheel-Trans eligibility criteria to comply with AODA regulations;
- ✓ Ensuring that TTC implementation of the PRESTO Fare Card System is accessible for customers with disabilities, and;
- ✓ Implementing a real-time elevator and escalator monitoring system to reduce downtime resulting from unplanned outages.

On January 23, 2015, the TTC released the 2015 Customer Charter and 38 time-bound commitments that include improved service reliability, increased accessibility, cleaner stations and continued transparency in reporting and explaining delays.

The TTC received the Canadian Urban Transit Association's (CUTA) 2015 Leadership Award for Safety and Security for its innovative Court Advocate program.

PRESTO will be installed in 26 subway stations and on all legacy streetcars by the end of 2015. The design for buses is nearing completion with plans to commence technical field trials testing in December 2015.

As of November 10, 2015, of the 204 LRVs, 11 streetcars have been accepted into service along the 510 Spadina and 509 Harbourfront routes. Both the 510 Spadina and the 509 Harbourfront routes are Proof-of-Payment, allowing customers with a transfer or valid TTC pass to board at any door.

Leslie Street between Queen and Commissioners streets was re-opened to all traffic on August 8, 2015. The Leslie Street connecting track is complete. On November 22nd, the TTC's new low-floor streetcars began operating out of Leslie Barns, the TTC's new streetcar facility at the corner of Leslie Street and Lake Shore Blvd. East. The Barns is still under construction and won't be fully occupied by the TTC until early next year.

The Wilson Yard construction of the carhouse north expansion, new substation building, track additions and signal system work is ongoing. The contract for Keele Yard was awarded on September 29, 2015 and site work is forecast to commence by the end of 2015.

As of November 16, 2015, 69 Toronto Rocket (TR) trainsets were accepted into revenue service (414 of 420 cars). These trains will replace the TTC's oldest subway cars most of which date back to the 1970s and will allow the TTC to meet future ridership demands once the Spadina Subway Extension opens for revenue service. The Toronto Rockets and the re-signalling of the Yonge-University-Spadina Subway, when completed, will ultimately allow the TTC to improve subway train headways (time between trains) by up to 90 seconds, as well as carry more people as the new TRs provide increased capacity of 8%.

Continued progress on YUS ATC Resignalling project. All TR trains on property are ATO equipped and progressing through the ATC integrated dynamic tests at the specially built test track of the Wilson Yard.

Received the Canadian Project of the Year Award for the Toronto York Spadina Subway Extension’s Twin Tunnels Projects. The infrastructure project demonstrates the highest level of engineering skill, insight and understanding of underground construction.

2015 Financial Performance

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

2015 Approved	As of Sept. 30, 2015		Projected Actuals at Year End		Unspent Balance	
	\$	% Spent	\$	% Spent	\$ Unspent	% Unspent
1,220,863,866	452,884,426	37.1%	1,033,315,800	84.6%	187,548,066	15.4%

* Based on 2015 Third Quarter Capital Variance Report

2015 Experience

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

<http://www.toronto.ca/legdocs/mmis/2015/bu/bgrd/backgroundfile-85376.pdf>

Impact of the 2015 Capital Variance on the 2016 Budget

- Carry forward funding is estimated at \$235.525 million. However, given the rate of spending, this figure will be further refined by the end of 2015. A detailed review of the 2016 – 2025 Capital Budget and Plan was undertaken and necessary adjustments were made to the timing of cash flow funding for unique and major capital projects such as Purchase of Streetcars, Surface Track and Communications which are the major contributors to annual under expenditures.
- By deferring the cash flow funding to future years, the 2016 Capital Budget reflects readiness to proceed and will lead to a higher rate of spending.

Appendix 2

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

Project	Total Project Cost	Prior Year Carry Forward	2016	2017	2018	2019	2020	2016 - 2020	2021	2022	2023	2024	2025	2016 - 2025 Total
Health & Safety:														
Legislated:														
Communications - Various		1,777	1,827	2,253	729			6,586						6,586
Yards and Roads - Various			4,110	7,000	10,765	11,324	11,445	44,644						44,644
Bus Heavy Rebuild Program - Overhaul	1,111		5,630	335	350			7,426						7,426
Easier Access Phase II & III	561		34,439	52,044	54,904	55,482	41,417	238,847	50,848	46,739	42,041	27,916	22,564	428,955
Environmental Programs			10,337	11,773	15,620	8,448	8,488	54,666	13,496	6,240	5,676	5,790	5,934	91,802
Equipment - Various			3,690	3,048	2,200	448	606	9,992	967					10,959
Other Bldgs & Structures Projects			2,198	1,811	3,566	3,562	2,558	13,695	2,344	2,600	2,617	2,598	2,831	26,685
Other Service Planning			200	200	200	200	200	1,000	200	200	200	200		1,800
Streetcar Overhaul Program		410		410	410	410	410	2,050	410	410	410	6,073		9,353
Sub-Total		3,859	62,431	78,874	88,744	79,874	65,124	378,906	68,265	56,189	50,944	42,577	31,329	628,210
State of Good Repair:														
Communications - Various		11,132	9,405	18,836	15,486	14,588	8,255	77,702	6,947	6,703	6,507	6,561	8,246	112,666
ATC Resignalling		53,124	4,706	83,641	90,434	86,218	60,781	378,904	51,438	38,923	43,338	48,999	40,506	602,108
Automotive Non-Revenue Vehicles			9,328	3,465	2,472	2,382	3,377	21,024	5,877	4,074	5,123	2,064	1,984	40,146
Bridges and Tunnels - Various			50,472	54,667	42,763	37,636	38,894	224,432	40,645	41,071	44,453	42,271	39,574	432,446
Bus Heavy Rebuild Program - Overhaul	1,663		67,566	65,262	42,055	9,903	5,804	192,253	857					193,110
Equipment - Various			27,938	45,456	33,260	25,213	23,998	155,865	18,919	16,574	12,594	9,797	9,875	223,624
Fare Handling Equipment	1,898		33,977	7,675	75	75	250	43,950	250	250	250	300	300	45,300
Fare System		295		571	577	483		1,926						1,926
Finishes - Various			14,625	19,514	14,714	17,438	17,462	83,753	17,025	17,454	9,200	7,253	6,302	140,987
Fire Ventilation Upgrade		200	23,487	22,947	40,659	27,011		114,304						114,304
Furniture & Office Equipment			209	486	355	272	683	2,005	425	237	492	235	483	3,877
Information Technology System-Infrastructure		5,588	83,342	88,283	52,687	31,967	48,434	310,301	17,998	15,597	15,288	10,798	8,689	378,671
Leslie Barns Streetcar Maint.& Storage Facility		7,579	26,225	27,119	2,200			63,123						63,123
On-Grade Paving Rehabilitation			8,802	11,348	13,354	12,802	13,500	59,806	12,800	12,798	10,200	10,962	9,863	116,429
Other Bldgs & Structures Projects			31,786	80,313	76,741	61,696	51,270	301,806	19,621	5,056	6,904	6,543	4,028	343,958
Other Maintenance Equipment	4,567		3,033	1,276	1,225	1,151	1,153	12,405	1,154	1,213	1,158	1,160	1,861	18,951
Other Service Planning			750					750						750
Power Dist./Electric Systems - Various			7,514	9,792	10,732	8,335	5,576	41,949	5,496	5,329	5,449	5,674	7,196	71,093
Purchase of Legacy LRVs		112,077	62,794	165,928	157,136	160,249		658,184						658,184
Purchase of Rail Non-Revenue Vehicle		2,405	9,378	8,673	1,796	6,635	2,350	31,237						31,237
Queensway Bus Garage Renovations			495					495						495
Rail Non-Revenue Vehicle Overhaul	464		1,055	2,050	2,075	1,765	1,783	9,192	1,669	1,685	1,703	1,718	1,153	17,120
Replace 40' Diesel Buses or Equivalent	107		64,401	73,400	60,600	69,472	4,449	272,429	42,270	40,012	37,425	41,747		433,883
Signal Systems - Various		9,360	8,484	23,224	22,794	14,120	3,703	81,685	1,459	1,608	1,257	1,296	1,331	88,636
Streetcar Overhaul Program		1,780	7,992	8,614			633	19,019	905	278	3,831	7,236	18,618	49,887
Subway Car Overhaul Program			68,157	48,042	19,002	18,120	17,885	171,206	15,297	13,232	17,059	17,373	24,415	258,582
Subway Car Purchases			24,236	9,122	4,076			37,434						37,434
Subway Track			26,978	42,608	24,149	53,199	24,534	171,468	25,044	25,596	26,190	29,793	27,698	305,789
Surface Track	8,750		22,177	61,717	33,897	22,408	25,635	174,584	26,007	25,238	25,944	26,723	30,056	308,552
Tools and Shop Equipment		292	10,296	4,275	5,067	2,408	3,016	25,354	2,321	2,570	2,119	2,160	2,573	37,097
Toronto Rocket Yard & Storage Track Accommodation			38,204	65,391	81,357	104,280	69,889	359,121	43,390					402,511
Traction Power - Various			25,025	21,968	17,532	15,632	14,959	95,116	11,548	11,044	11,542	11,659	17,811	158,720
Transit Shelters & Loops		58	240	250	257	264	271	1,340	278	286	295	303	309	2,811
Wilson Complex - Modifications for the Toronto Roc		103		487				590						590
Sub-Total		221,442	773,077	1,076,400	869,527	805,722	448,544	4,194,712	369,640	286,828	288,321	292,625	262,871	5,694,997
Service Improvements:														
Finishes - Various			55	159				214						214
Other Bldgs & Structures Projects		279	7,724	12,568	1,340	496	559	22,966	720	720	560	500	1,000	26,466
Other Service Planning		1,250	5,320	5,835	5,636	5,035	2,635	25,711	2,035	2,035	2,035	2,035	2,035	35,886
Power Dist./Electric Systems - Various			201	201	210	210	220	1,042	220	230	230	240	240	2,202
Purchase of Rail Non-Revenue Vehicle		50	20	6,648	13,026	6,256		26,000						26,000
Replace 40' Diesel Buses or Equivalent			14,072					14,072						14,072
Communications - Various		269						269						269
Subway Track			1,690	322	59			2,071						2,071
Surface Track		1,000	1,007					2,007						2,007
Sub-Total		2,848	30,089	25,733	20,271	11,997	3,414	94,352	2,975	2,985	2,825	2,775	3,275	109,187
Growth Related:														
Yards and Roads - Various				1,033				1,033						1,033
Fare Handling Equipment		800	260					1,060						1,060
Fare System		2,870	9,830	6,984	2,159			21,843						21,843
Sheppard Subway		3,706						3,706						3,706
McNicoll Bus Garage Facility			2,308	20,500	50,000	50,000	51,950	174,758						174,758
Other Bldgs & Structures Projects			1,480	987				2,467						2,467
Sub-Total		7,376	13,878	29,504	52,159	50,000	51,950	204,867						204,867
Total		235,525	879,475	1,210,511	1,030,701	947,593	569,032	4,872,837	440,880	346,002	342,090	337,977	297,475	6,637,261

Appendix 3

2016 Capital Budget; 2017 to 2025 Rec'd Capital Plan

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 3: 2016 Preliminary Capital Budget; 2017 to 2025 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													
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
TTC000110 <u>Subway Track</u>																									
1	1	Subway Track - SOGR	CW	S2	03	26,978	15,984	0	0	0	42,962	0	42,962	0	8,358	0	0	0	0	0	0	34,604	0	42,962	
0	5	Subway Track Improvement	CW	S2	04	1,097	0	0	0	0	1,097	0	1,097	0	0	0	0	0	0	0	0	1,097	0	1,097	
0	6	Subway Track Improvement	CW	S3	04	593	322	59	0	0	974	0	974	0	0	0	0	0	0	0	0	974	0	974	
1	7	Subway Track - SOGR	CW	S5	03	0	26,624	24,149	53,199	24,534	128,506	134,321	262,827	21,506	127,489	0	88,190	0	0	0	0	25,642	0	262,827	
Sub-total						28,668	42,930	24,208	53,199	24,534	173,539	134,321	307,860	21,506	135,847	0	88,190	0	0	0	0	62,317	0	307,860	
TTC000120 <u>Surface Track</u>																									
1	1	Surface Track - SOGR	CW	S2	03	30,927	26,658	0	0	0	57,585	0	57,585	0	0	0	0	0	0	0	0	57,585	0	57,585	
0	3	Surface Track Improvement	CW	S2	04	2,007	0	0	0	0	2,007	0	2,007	0	0	0	0	0	0	0	0	2,007	0	2,007	
1	7	Surface Track - SOGR	CW	S5	03	0	35,059	33,897	22,408	25,635	116,999	133,968	250,967	20,534	123,768	0	20,572	0	0	0	0	86,093	0	250,967	
Sub-total						32,934	61,717	33,897	22,408	25,635	176,591	133,968	310,559	20,534	123,768	0	20,572	0	0	0	0	0	145,685	0	310,559
TTC000210 <u>Traction Power - Various</u>																									
1	1	Traction Power - SOGR	CW	S2	03	25,025	5,290	0	0	0	30,315	0	30,315	0	0	0	21,320	0	0	0	0	8,995	0	30,315	
1	6	Traction Power - SOGR	CW	S5	03	0	16,678	17,532	15,632	14,959	64,801	63,604	128,405	53,072	43,207	0	14,104	0	0	0	0	18,022	0	128,405	
Sub-total						25,025	21,968	17,532	15,632	14,959	95,116	63,604	158,720	53,072	43,207	0	35,424	0	0	0	0	0	27,017	0	158,720
TTC000220 <u>Power Dist./Electric Systems - Various</u>																									
1	1	Power Dist./Electric Systems - SOGR	CW	S2	03	7,514	9,792	1,453	0	0	18,759	0	18,759	16,327	0	0	0	0	0	0	0	2,432	0	18,759	
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	0	9,279	8,335	5,576	23,190	29,144	52,334	48,293	0	0	0	0	0	0	0	4,041	0	52,334	
0	6	Power Dist./Electric Systems - Improvement	CW	S5	04	0	201	210	210	220	841	1,160	2,001	240	0	0	0	0	0	0	0	1,761	0	2,001	
Sub-total						7,715	9,993	10,942	8,545	5,796	42,991	30,304	73,295	64,860	0	0	0	0	0	0	0	0	8,435	0	73,295
TTC000230 <u>Communications - Various</u>																									
1	1	Communications - SOGR	CW	S2	03	23,889	20,192	16,641	16,787	5,748	83,257	0	83,257	43,089	0	0	0	0	0	0	0	40,168	0	83,257	
1	3	Communications - Legislated	CW	S2	02	3,604	2,253	729	0	0	6,586	0	6,586	0	0	0	0	0	0	0	0	6,586	0	6,586	
0	5	Communication -Improvement	CW	S2	04	269	0	0	0	0	269	0	269	0	0	0	0	0	0	0	0	269	0	269	
1	10	Communications - SOGR	CW	S6	03	0	0	0	0	2,507	2,507	34,964	37,471	33,403	0	0	0	0	0	0	0	4,068	0	37,471	

CITY OF TORONTO

Gross Expenditures (\$000's)

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

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.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>TTC907750 Toronto Rocket Yard & Storage Track Accommod:</u>																								
1	1	Toronto Rocket Yard - Storage Track Accommodation	CW	S2	03	38,204	65,391	81,357	104,280	69,889	359,121	43,390	402,511	17,579	103,688	98,199	79,195	0	0	0	0	103,850	0	402,511
		Sub-total				38,204	65,391	81,357	104,280	69,889	359,121	43,390	402,511	17,579	103,688	98,199	79,195	0	0	0	0	103,850	0	402,511
<u>TTC908032 McNicoll Bus Garage Facility</u>																								
0	1	McNicoll Bus Garage Facility - Growth	39	S2	05	2,308	20,500	50,000	50,000	51,950	174,758	0	174,758	0	34,314	88,809	0	0	0	0	0	51,635	0	174,758
		Sub-total				2,308	20,500	50,000	50,000	51,950	174,758	0	174,758	0	34,314	88,809	0	0	0	0	0	51,635	0	174,758
<u>TTS000392 Sheppard Subway</u>																								
4	1	Sheppard Subway - Expansion	CW	S2	05	3,706	0	0	0	0	3,706	0	3,706	0	0	0	0	0	0	0	0	3,706	0	3,706
		Sub-total				3,706	0	0	0	0	3,706	0	3,706	0	0	0	0	0	0	0	0	3,706	0	3,706
Total Program Expenditure						1,115,000	1,210,511	1,030,701	947,593	569,032	4,872,837	1,764,424	6,637,261	1,033,001	1,658,988	547,686	648,863	0	0	231,677	0	517,046	0	6,637,261

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: 2016 Preliminary Capital Budget; 2017 to 2025 Preliminary Capital Plan

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										
					2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt
Financed By:																					
Provincial Grants & Subsidies					133,501	201,350	124,984	121,818	75,226	656,879	376,122	1,033,001	1,033,001	0	0	0	0	0	0	0	1,033,001
Federal Subsidy					159,812	159,811	167,420	167,420	167,423	821,886	837,102	1,658,988	0	1,658,988	0	0	0	0	0	0	1,658,988
Development Charges					16,466	95,479	100,150	81,573	65,775	359,443	188,243	547,686	0	0	547,686	0	0	0	0	0	547,686
Reserves (Ind. "XQ" Ref.)					147,084	195,917	130,272	115,673	59,917	648,863	0	648,863	0	0	648,863	0	0	0	0	0	648,863
Other1 (Internal)					33,449	33,136	26,427	17,194	26,713	136,919	94,758	231,677	0	0	0	0	231,677	0	0	0	231,677
Debt					624,688	524,818	481,448	443,915	173,978	2,248,847	268,199	2,517,046	0	0	0	0	0	0,517,046	0	2,517,046	
Total Program Financing					1,115,000	1,210,511	1,030,701	947,593	569,032	4,872,837	1,764,424	6,637,261	1,033,001	1,658,988	547,686	648,863	0	0	231,677	0,517,046	6,637,261

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

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

Appendix 4

2016 Cash Flow and Future Year Commitments

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Preliminary 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													
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
TTC000110 <u>Subway Track</u>																									
1	1	Subway Track - SOGR	CW	S2	03	26,978	15,984	0	0	0	42,962	0	42,962	0	8,358	0	0	0	0	0	0	34,604	0	42,962	
0	5	Subway Track Improvement	CW	S2	04	1,097	0	0	0	0	1,097	0	1,097	0	0	0	0	0	0	0	0	1,097	0	1,097	
0	6	Subway Track Improvement	CW	S3	04	593	322	59	0	0	974	0	974	0	0	0	0	0	0	0	0	974	0	974	
1	7	Subway Track - SOGR	CW	S5	03	0	26,624	0	0	0	26,624	0	26,624	0	0	0	17,961	0	0	0	0	8,663	0	26,624	
		Sub-total				28,668	42,930	59	0	0	71,657	0	71,657	0	8,358	0	17,961	0	0	0	0	45,338	0	71,657	
TTC000120 <u>Surface Track</u>																									
1	1	Surface Track - SOGR	CW	S2	03	30,927	26,658	0	0	0	57,585	0	57,585	0	0	0	0	0	0	0	0	57,585	0	57,585	
0	3	Surface Track Improvement	CW	S2	04	2,007	0	0	0	0	2,007	0	2,007	0	0	0	0	0	0	0	0	2,007	0	2,007	
1	7	Surface Track - SOGR	CW	S5	03	0	35,059	0	0	0	35,059	0	35,059	0	0	0	0	0	0	0	0	35,059	0	35,059	
		Sub-total				32,934	61,717	0	0	0	94,651	0	94,651	0	0	0	0	0	0	0	0	94,651	0	94,651	
TTC000210 <u>Traction Power - Various</u>																									
1	1	Traction Power - SOGR	CW	S2	03	25,025	5,290	0	0	0	30,315	0	30,315	0	0	0	21,320	0	0	0	0	8,995	0	30,315	
1	6	Traction Power - SOGR	CW	S5	03	0	16,678	1,759	0	0	18,437	0	18,437	0	0	0	14,104	0	0	0	0	4,333	0	18,437	
		Sub-total				25,025	21,968	1,759	0	0	48,752	0	48,752	0	0	0	35,424	0	0	0	0	13,328	0	48,752	
TTC000220 <u>Power Dist./Electric Systems - Various</u>																									
1	1	Power Dist./Electric Systems - SOGR	CW	S2	03	7,514	9,792	1,453	0	0	18,759	0	18,759	16,327	0	0	0	0	0	0	0	2,432	0	18,759	
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	0	6,752	0	0	6,752	0	6,752	6,752	0	0	0	0	0	0	0	0	0	6,752	
0	6	Power Dist./Electric Systems - Improvement	CW	S5	04	0	201	0	0	0	201	0	201	0	0	0	0	0	0	0	0	201	0	201	
		Sub-total				7,715	9,993	8,205	0	0	25,913	0	25,913	23,079	0	0	0	0	0	0	0	2,834	0	25,913	
TTC000230 <u>Communications - Various</u>																									
1	1	Communications - SOGR	CW	S2	03	23,889	20,192	16,641	16,787	5,748	83,257	0	83,257	43,089	0	0	0	0	0	0	0	40,168	0	83,257	
1	3	Communications - Legislated	CW	S2	02	3,604	2,253	729	0	0	6,586	0	6,586	0	0	0	0	0	0	0	0	6,586	0	6,586	
0	5	Communication -Improvement	CW	S2	04	269	0	0	0	0	269	0	269	0	0	0	0	0	0	0	0	269	0	269	

CITY OF TORONTO

Gross Expenditures (\$000's)

Appendix 4: 2016 Preliminary 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													
						2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>TTC000340 Bridges and Tunnels - Various</u>																									
1	1	Bridges and Tunnels - SOGR	CW	S2	03	50,472	37,304	0	0	0	87,776	0	87,776	0	0	0	58,047	0	0	0	29,729	0	87,776		
1	4	Bridges and Tunnels - SOGR	CW	S5	03	0	17,363	14,120	0	0	31,483	0	31,483	0	0	0	31,483	0	0	0	0	0	31,483		
Sub-total						50,472	54,667	14,120	0	0	119,259	0	119,259	0	0	0	89,530	0	0	0	29,729	0	119,259		
<u>TTC000377 Queensway Bus Garage Renovations</u>																									
1	3	Queensway Bus Garage Renovations - SOGR	CW	S2	03	495	0	0	0	0	495	0	495	0	0	0	0	0	0	0	495	0	495		
Sub-total						495	0	0	0	0	495	0	495	0	0	0	0	0	0	0	0	495	0	495	
<u>TTC000379 Fire Ventilation Upgrade</u>																									
1	1	Fire Ventilation Upgrade - SOGR	CW	S2	03	23,687	22,947	40,659	37,499	0	124,792	0	124,792	15,636	0	0	11,413	0	0	0	97,743	0	124,792		
0	3	Fire Ventilation Upgrade	CW	S3	03	0	0	0	-10,488	0	-10,488	0	-10,488	0	0	0	0	0	0	0	-10,488	0	-10,488		
Sub-total						23,687	22,947	40,659	27,011	0	114,304	0	114,304	15,636	0	0	11,413	0	0	0	0	87,255	0	114,304	
<u>TTC000383 Easier Access Phase II & III</u>																									
1	1	Easier Access Phase III - Legislated	CW	S2	02	35,000	52,044	54,904	55,482	41,417	238,847	2,891	241,738	0	22,238	0	0	0	0	0	219,500	0	241,738		
1	4	Easier Access Phase III - Legislated	CW	S3	02	0	0	0	0	0	0	187,217	187,217	66,163	109,062	0	0	0	0	0	0	11,992	0	187,217	
Sub-total						35,000	52,044	54,904	55,482	41,417	238,847	190,108	428,955	66,163	131,300	0	0	0	0	0	0	0	231,492	0	428,955
<u>TTC000390 Other Bldgs & Structures Projects</u>																									
1	1	Other Buildings & Structures Projects - SOGRS	CW	S2	03	31,786	68,067	67,093	61,696	51,270	279,912	15,334	295,246	57,946	38,509	0	47,086	0	0	0	151,705	0	295,246		
3	4	Other bldgs & structures projects - Expansion	CW	S2	05	1,467	0	0	0	0	1,467	0	1,467	0	0	0	0	0	0	0	1,467	0	1,467		
1	5	Other Buildings and Structures - Legislated	CW	S2	02	1,624	1,811	2,831	2,897	1,879	11,042	12,990	24,032	5,431	1,407	0	0	0	0	0	17,194	0	24,032		
0	16	Other Building & Structures - Expansion Scope Cha	CW	S3	05	13	987	0	0	0	1,000	0	1,000	0	0	0	0	0	0	0	1,000	0	1,000		
0	17	Other Bldgs-Structures - SOGR	CW	S5	03	0	12,246	9,648	0	0	21,894	21,378	43,272	9,396	6,579	0	2,950	0	0	0	24,347	0	43,272		
0	18	Other Bldgs_Structure Projects-Legislated	CW	S3	02	574	0	735	665	679	2,653	0	2,653	0	0	0	0	0	0	0	2,653	0	2,653		
0	20	Other Buildings & Structure - Improvement	CW	S2	04	8,003	12,568	1,340	496	559	22,966	2,159	25,125	720	0	0	0	0	0	0	24,405	0	25,125		
Sub-total						43,467	95,679	81,647	65,754	54,387	340,934	51,861	392,795	73,493	46,495	0	50,036	0	0	0	0	222,771	0	392,795	
<u>TTC000414 Replace 40' Diesel Buses or Equivalent</u>																									
1	1	Replace 40 Diesel Buses or Equivalent - SOGR	CW	S2	03	64,508	73,400	60,600	69,472	4,449	272,429	305,528	577,957	0	195,104	102,522	0	0	0	0	280,331	0	577,957		

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

CITY OF TORONTO**Gross Expenditures (\$000's)****Appendix 4: 2016 Preliminary Cash Flow and Future Year Commitments**

Toronto Transit Commission					Current and Future Year Cash Flow Commitments and Estimates							Current and Future Year Cash Flow Commitments and Estimates Financed By											
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat. Cat.	2016	2017	2018	2019	2020	Total 2016-2020	Total 2021-2025	Total 2016-2025	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
Financed By:																							
		Provincial Grants & Subsidies			133,501	201,350	98,105	60,356	27,327	520,639	174,622	695,261	695,261	0	0	0	0	0	0	0	0	0	695,261
		Federal Subsidy			159,812	159,811	167,420	166,827	112,216	766,086	277,725	1,043,811	0	1,043,811	0	0	0	0	0	0	0	0	1,043,811
		Development Charges			16,466	95,479	100,150	81,573	65,775	359,443	186,483	545,926	0	0	545,926	0	0	0	0	0	0	0	545,926
		Reserves (Ind. "XQ" Ref.)			147,084	195,917	92,200	74,503	25,216	534,920	0	534,920	0	0	0	534,920	0	0	0	0	0	0	534,920
		Other1 (Internal)			33,449	33,136	22,300	10,906	18,234	118,025	13,331	131,356	0	0	0	0	0	0	131,356	0	0	0	131,356
		Debt			624,688	523,705	428,685	376,676	125,998	2,079,752	177,388	2,257,140	0	0	0	0	0	0	0	0	0,257,140	0	2,257,140
Total Program Financing					1,115,000	1,209,398	908,860	770,841	374,766	4,378,865	829,549	5,208,414	695,261	1,043,811	545,926	534,920	0	0	131,356	0,257,140	0	5,208,414	

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

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

Appendix 5

2016 Capital Budget with Financing Detail

(Phase 2) 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: 2016 Preliminary Capital Budget with Financing Detail

Toronto Transit Commission

Sub-Project Summary

Project/Financing Priority Project	Project Name	Start Date	Completion Date	2016	Financing											
				Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable		
0	<u>TTC906010</u>	<u>Purchase of Legacy LRVs</u>														
0	2 Purchase of Legacy LRVs - SOGR	11/18/2005	12/31/2020	174,871	55,376	42,909	0	0	0	0	0	0	0	76,586	0	
	Project Sub-total:			174,871	55,376	42,909	0	0	0	0	0	0	0	76,586	0	
0	<u>TTC907744</u>	<u>Fare System</u>														
0	1 Fare System - SOGR	09/29/2010	12/31/2018	295	0	0	0	0	0	0	0	0	0	295	0	
0	2 Fare System - Expansion	11/09/2010	12/31/2020	13,228	0	0	0	0	0	0	0	0	0	13,228	0	
0	3 Fare System - Expansion - Scope Change	01/01/2013	12/31/2020	-528	0	0	0	0	0	0	0	0	0	-528	0	
	Project Sub-total:			12,995	0	0	0	0	0	0	0	0	0	12,995	0	
0	<u>TTC908032</u>	<u>McNicoll Bus Garage Facility</u>														
0	1 McNicoll Bus Garage Facility - Growth	01/01/2013	12/31/2017	2,308	0	0	0	0	0	0	0	0	0	2,308	0	
	Project Sub-total:			2,308	0	0	0	0	0	0	0	0	0	2,308	0	
1	<u>TTC000110</u>	<u>Subway Track</u>														
0	5 Subway Track Improvement	10/12/2006	12/31/2014	1,097	0	0	0	0	0	0	0	0	0	1,097	0	
0	6 Subway Track Improvement	01/01/2016	01/01/2016	593	0	0	0	0	0	0	0	0	0	593	0	
1	1 Subway Track - SOGR	01/01/1996	12/31/2017	26,978	0	8,358	0	0	0	0	0	0	0	18,620	0	
	Project Sub-total:			28,668	0	8,358	0	0	0	0	0	0	0	20,310	0	
1	<u>TTC000120</u>	<u>Surface Track</u>														
0	3 Surface Track Improvement	10/17/2003	10/17/2016	2,007	0	0	0	0	0	0	0	0	0	2,007	0	
1	1 Surface Track - SOGR	01/01/1996	12/31/2016	30,927	0	0	0	0	0	0	0	0	0	30,927	0	
	Project Sub-total:			32,934	0	0	0	0	0	0	0	0	0	32,934	0	
1	<u>TTC000210</u>	<u>Traction Power - Various</u>														
1	1 Traction Power - SOGR	01/01/1996	12/31/2018	25,025	0	0	0	16,030	0	0	0	0	0	8,995	0	
	Project Sub-total:			25,025	0	0	0	16,030	0	0	0	0	0	8,995	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	7,514	6,043	0	0	0	0	0	0	0	0	1,471	0	
	Project Sub-total:			7,715	6,043	0	0	0	0	0	0	0	0	1,672	0	
1	<u>TTC000230</u>	<u>Communications - Various</u>														
0	5 Communication -Improvement	10/27/2003	12/31/2014	269	0	0	0	0	0	0	0	0	0	269	0	
1	1 Communications - SOGR	01/01/1996	12/31/2023	23,889	0	0	0	0	0	0	0	0	0	23,889	0	
1	3 Communications - Legislated	01/01/2006	12/31/2018	3,604	0	0	0	0	0	0	0	0	0	3,604	0	



CITY OF TORONTO

Appendix 5: 2016 Preliminary Capital Budget with Financing Detail

Toronto Transit Commission

Sub-Project Summary

Project/Financing				2016	Financing										
Priority	Project	Project Name	Start Date	Completion Date	Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
1	TTC000390	Other Bldgs & Structures Projects													
0		20 Other Buildings & Structure - Improvement	01/01/2014	12/31/2017	8,003	0	0	0	0	0	0	0	0	8,003	0
1		1 Other Buildings & Structures Projects - SOGRS	01/01/2000	12/31/2021	31,786	0	0	0	0	0	0	0	0	31,786	0
1		5 Other Buildings and Structures - Legislated	01/01/2002	12/31/2014	1,624	0	0	0	0	0	0	0	0	1,624	0
3		4 Other bldgs & structures projects - Expansion	01/01/2014	12/31/2018	1,467	0	0	0	0	0	0	0	0	1,467	0
		Project Sub-total:			43,467	0	0	0	0	0	0	0	0	43,467	0
1	TTC000414	Replace 40' Diesel Buses or Equivalent													
0		6 Purchase 40 Diesel Buses or Equivalent - SI	01/01/2015	12/31/2016	11,084	0	11,084	0	0	0	0	0	0	0	0
0		9 Purchase of 40ft Buses - Improvements	01/01/2016	01/01/2017	2,988	0	2,988	0	0	0	0	0	0	0	0
1		1 Replace 40 Diesel Buses or Equivalent - SOGR	01/01/2000	12/31/2017	64,508	0	47,636	0	0	0	0	0	0	16,872	0
		Project Sub-total:			78,580	0	61,708	0	0	0	0	0	0	16,872	0
1	TTC000421	Subway Car Purchases													
1		1 Subway Car Purchases - SOGR	01/01/1996	12/31/2017	24,236	0	12,965	0	0	0	0	0	0	11,271	0
		Project Sub-total:			24,236	0	12,965	0	0	0	0	0	0	11,271	0
1	TTC000432	Bus Heavy Rebuild Program - Overhaul													
0		6 Bus Heavy Rebuild Prog. Overhaul - Legislated	01/01/2015	12/31/2016	5,026	0	0	0	3,860	0	0	0	0	1,166	0
0		7 Bus Heavy Rebuild/Overhaul-Legislated	01/01/2016	01/01/2017	1,715	0	0	0	1,663	0	0	0	0	52	0
1		1 Bus Heavy Rebuild Program, Overhaul - SOGR	01/01/1996	12/31/2016	69,229	65,182	0	0	2,384	0	0	0	0	1,663	0
		Project Sub-total:			75,970	65,182	0	0	7,907	0	0	0	0	2,881	0
1	TTC000450	Streetcar Overhaul Program													
0		4 Streetcar Overhaul Program - Legislated	01/01/2015	12/31/2024	410	0	0	0	0	0	0	0	0	410	0
1		1 Streetcar Overhaul Program - SOGR	01/01/2003	12/31/2023	9,772	0	0	0	0	0	0	0	0	9,772	0
		Project Sub-total:			10,182	0	0	0	0	0	0	0	0	10,182	0
1	TTC000460	Subway Car Overhaul Program													
1		1 Subway Car Overhaul Program - SOGR	01/01/1996	12/31/2024	30,755	0	0	0	30,755	0	0	0	0	0	0
1		4 Subway Car Overhaul Program - SOGR Scope Change	01/01/2015	12/31/2024	37,402	0	0	0	27,480	0	0	0	0	9,922	0
		Project Sub-total:			68,157	0	0	0	58,235	0	0	0	0	9,922	0
1	TTC000470	Automotive Non-Revenue Vehicles													
1		1 Automotive Non-Revenue Vehicles - SOGR	01/01/1996	12/31/2015	4,380	0	0	0	0	0	0	4,380	0	0	0
1		4 Automotive Non-Revenue Vehicles - SOGR	01/01/2006	12/31/2024	4,948	0	0	0	0	0	0	1,467	0	3,481	0
		Project Sub-total:			9,328	0	0	0	0	0	0	5,847	0	3,481	0
1	TTC000480	Rail Non-Revenue Vehicle Overhaul													
1		1 Rail Non-Revenue Vehicle Overhaul - SOGR	01/01/1999	12/31/2017	1,061	0	0	0	0	0	0	0	0	1,061	0



CITY OF TORONTO

Appendix 5: 2016 Preliminary Capital Budget with Financing Detail

Toronto Transit Commission

Sub-Project Summary

Project/Financing		Start Date	Completion Date	2016 Cash Flow	Financing										
Priority	Project				Project Name	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
1	TTC000480	Rail Non-Revenue Vehicle Overhaul													
1		9 Rail Non-Revenue Vehicle Overhaul - SOGR Scope Cha	01/01/2016	01/01/2017	458	0	0	0	0	0	0	0	0	458	0
		Project Sub-total:			1,519	0	0	0	0	0	0	0	0	1,519	0
1	TTC000510	Tools and Shop Equipment													
1		1 Tools and Shop Equipment - SOGR	01/01/1996	12/31/2016	5,628	0	0	0	0	0	0	892	0	4,736	0
1		6 Tools and Shop Equipment - SOGR	01/01/2003	12/31/2024	4,960	0	0	0	0	0	4,960	0	0	0	0
		Project Sub-total:			10,588	0	0	0	0	0	5,852	0	4,736	0	
1	TTC000520	Fare Handling Equipment													
0		3 Fare Handling Equipment - Expansion S3	11/24/2016	12/31/2016	260	0	0	0	0	0	0	0	0	260	0
0		8 Fare Handling Equipment - Expansion	01/01/2014	12/31/2015	800	0	0	0	0	0	0	0	0	800	0
1		1 Fare Handling Equipment - SOGR	01/01/1997	12/31/2015	5,370	0	0	0	0	0	0	0	0	5,370	0
1		7 Fare Handling Equipment - SOGR	01/01/1997	12/31/2024	30,505	2,900	0	0	0	0	0	354	0	27,251	0
		Project Sub-total:			36,935	2,900	0	0	0	0	354	0	33,681	0	
1	TTC000530	Other Maintenance Equipment													
1		1 Other Maintenance Equipment - SOGR S2	01/01/1996	12/31/2015	6,698	0	0	0	0	0	1,462	0	0	5,236	0
1		4 Other Maintenance Equipment - SOGR S5	01/01/2014	12/31/2024	902	0	0	0	0	0	0	0	0	902	0
		Project Sub-total:			7,600	0	0	0	0	0	1,462	0	6,138	0	
1	TTC000710	Information Technology System-Infrastructure													
1		1 Information Tech. System-Infrastructure - SOGR	01/01/1996	12/31/2020	82,123	0	0	0	0	0	19,934	0	0	62,189	0
1		8 Information Tech. Systems-Infrastructure - SOGR	01/01/2013	12/31/2024	6,807	0	0	0	0	0	0	0	0	6,807	0
		Project Sub-total:			88,930	0	0	0	0	0	19,934	0	68,996	0	
1	TTC000910	Furniture & Office Equipment													
1		1 Furniture & Office Equipment - SOGR	01/01/1996	12/31/2016	199	0	0	0	0	0	0	0	0	199	0
1		4 Furniture & Office Equipment - SOGR	01/01/2016	12/31/2024	10	0	0	0	0	0	0	0	0	10	0
		Project Sub-total:			209	0	0	0	0	0	0	0	0	209	0
1	TTC906365	Purchase of Rail Non-Revenue Vehicle													
0		6 Purchase of Rail Non-Revenue Vehicle - SOGR	01/01/2016	12/31/2016	4,655	0	0	0	0	0	0	0	0	4,655	0
1		1 Purchase of Rail Non-Revenue Vehicle - SOGR	01/01/1996	12/31/2019	7,128	0	0	0	0	0	0	0	0	7,128	0
1		3 Purchase of Rail Non-Revenue Vehicle - Improvement	01/01/1996	12/31/2016	70	0	0	0	0	0	0	0	0	70	0
		Project Sub-total:			11,853	0	0	0	0	0	0	0	0	11,853	0
1	TTC907743	ATC Resignalling													
0		1 ATC YUS Resignalling - SOGR	09/24/2010	12/31/2020	56,330	0	0	3,389	0	0	0	0	0	52,941	0



CITY OF TORONTO

Appendix 5: 2016 Preliminary Capital Budget with Financing Detail

Toronto Transit Commission

Sub-Project Summary

Project/Financing		Start Date	Completion Date	2016 Cash Flow	Financing									
Priority	Project Name				Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
1	<u>TTC907743</u> <u>ATC Resignalling</u>													
0	2 ATC BD Resignalling - SOGR	01/01/2015	12/31/2024	1,500	0	0	1,317	0	0	0	0	0	183	0
	Project Sub-total:			57,830	0	0	4,706	0	0	0	0	0	53,124	0
1	<u>TTC907748</u> <u>Wilson Complex - Modifications for the Toronto Roc</u>													
0	2 Wilson Complex - Modification for the Toronto Roc	11/09/2010	12/31/2016	103	0	0	0	0	0	0	0	0	103	0
	Project Sub-total:			103	0	0	0	0	0	0	0	0	103	0
1	<u>TTC907749</u> <u>Leslie Barns Streetcar Maint. & Storage Facility</u>													
1	1 Leslie Barns Streetcar Main. & Storage Facility	10/04/2010	12/31/2016	33,804	0	7,022	10,000	1,366	0	0	0	0	15,416	0
	Project Sub-total:			33,804	0	7,022	10,000	1,366	0	0	0	0	15,416	0
1	<u>TTC907750</u> <u>Toronto Rocket Yard & Storage Track Accommodation</u>													
1	1 Toronto Rocket Yard - Storage Track Accommodation	10/04/2010	12/31/2019	38,204	0	15,282	0	22,922	0	0	0	0	0	0
	Project Sub-total:			38,204	0	15,282	0	22,922	0	0	0	0	0	0
2	<u>TTC000383</u> <u>Easier Access Phase II & III</u>													
1	1 Easier Access Phase III - Legislated	01/01/1996	12/31/2025	35,000	0	5,696	0	0	0	0	0	0	29,304	0
	Project Sub-total:			35,000	0	5,696	0	0	0	0	0	0	29,304	0
2	<u>TTC000610</u> <u>Environmental Programs</u>													
2	1 Environmental Programs - Legislated	01/01/1996	12/31/2019	10,337	0	0	0	0	0	0	0	0	10,337	0
	Project Sub-total:			10,337	0	0	0	0	0	0	0	0	10,337	0
3	<u>TTC000920</u> <u>Other Service Planning</u>													
0	6 Other Service Planning - SOGR	01/01/2014	12/31/2017	750	0	0	0	0	0	0	0	0	750	0
0	7 Other Service Planning - Legislated	01/01/2015	12/31/2025	200	0	0	0	0	0	0	0	0	200	0
3	1 Other Service Planning - Improvement	01/01/1996	12/31/2015	6,570	0	0	1,760	0	0	0	0	0	4,810	0
	Project Sub-total:			7,520	0	0	1,760	0	0	0	0	0	5,760	0
3	<u>TTC000921</u> <u>Transit Shelters & Loops</u>													
0	4 Transit Shelters & Loops - SOGR	01/01/2013	12/31/2016	298	0	0	0	0	0	0	0	0	298	0
	Project Sub-total:			298	0	0	0	0	0	0	0	0	298	0
4	<u>TTC000330</u> <u>Yards and Roads - Various</u>													
1	1 Yards and Roads - Legislated	01/01/1997	12/31/2020	4,110	0	0	0	0	0	0	0	0	4,110	0
	Project Sub-total:			4,110	0	0	0	0	0	0	0	0	4,110	0

(Phase 2) 20-Toronto Transit Commission

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

Type: B Sub-Project Status: S2

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



CITY OF TORONTO

Appendix 5: 2016 Preliminary Capital Budget with Financing Detail

Toronto Transit Commission

Sub-Project Summary

Project/Financing		Start Date	Completion Date	2016 Cash Flow	Financing										
Priority	Project				Project Name	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
4	TTS000392	Sheppard Subway													
4	1	Sheppard Subway - Expansion		01/01/1996 12/31/2019	3,706	0	0	0	0	0	0	0	0	3,706	0
Project Sub-total:					3,706	0	0	0	0	0	0	0	0	3,706	0
Program Total:					1,115,000	133,501	159,812	16,466	147,084	0	0	33,449	0	624,688	0

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

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

Appendix 6

Reserve / Reserve Fund Review

Table 12: Reserve / Reserve Fund Review - Corporate (\$000s)

Reserve / Reserve Fund Name (In \$000s)	Reserve / Reserve Fund Number	Projected Balance as of Dec. 31, 2015 *	Rec'd Withdrawals (-) / Contributions (+)										2016 - 2015 Total Contribution/ (Withdrawal)
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Projected Beginning Balance		367,470.0	319,993.0	241,316.0	4,314.0	(93,275.0)	(97,604.0)	(45,009.0)	68,441.0	181,891.0	20,691.0	36,691.0	
Capital Fin Rs	XQ0011												
<i>Proposed Withdrawals (-)</i>													
<i>Bridges and Tunnels</i>			(33,441.0)	(41,969.0)	(29,100.0)	(5,575.0)							(110,085.0)
<i>Bus Heavy Rebuild Prog. Overhaul - Legislated</i>			(3,860.0)										(3,860.0)
<i>Bus Heavy Rebuild Program, Overhaul</i>			(2,384.0)										(2,384.0)
<i>Bus Heavy Rebuild/Overhaul-Legislated</i>			(1,663.0)										(1,663.0)
<i>Equipment</i>				(33,469.0)	(28,032.0)								(61,501.0)
<i>Equipment</i>					(587.0)								(587.0)
<i>Fire Ventilation Upgrade</i>				(2,269.0)		(9,144.0)							(11,413.0)
<i>Leslie Barns Streetcar Main. & Storage Facility</i>			(1,366.0)										(1,366.0)
<i>Other Bldgs-Structures</i>				(2,950.0)									(2,950.0)
<i>Other Buildings & Structures Projects</i>				(10,121.0)	(12,355.0)	(19,636.0)	(4,974.0)						(47,086.0)
<i>Purchase of Legacy LRVs</i>				(18,593.0)		(13,625.0)							(32,218.0)
<i>Signal Systems</i>			(7,183.0)	(14,749.0)	(15,954.0)	(9,987.0)	(2,587.0)						(50,460.0)
<i>Subway Car Overhaul Program</i>			(30,755.0)	(2,461.0)	(5,935.0)	(6,061.0)	(6,524.0)						(51,736.0)
<i>Subway Car Overhaul Program Scope Change</i>			(27,480.0)										(27,480.0)
<i>Subway Track</i>				(17,961.0)	(19,000.0)	(35,595.0)	(15,634.0)						(88,190.0)
<i>Surface Track</i>					(4,092.0)		(16,480.0)						(20,572.0)
<i>Toronto Rocket Yard - Storage Track Accommodation</i>			(22,922.0)	(23,953.0)	(4,452.0)	(14,150.0)	(13,718.0)						(79,195.0)
<i>Traction Power</i>			(16,030.0)	(19,394.0)									(35,424.0)
<i>Yards and Roads - Expansion</i>				(51.0)									(51.0)
<i>Yards and Roads - Legislated</i>				(7,000.0)	(10,765.0)	(1,900.0)							(19,665.0)
<i>Yards and Roads Expansion</i>				(977.0)									(977.0)
Total Withdrawals for TTC			(147,084.0)	(195,917.0)	(130,272.0)	(115,673.0)	(59,917.0)						(648,863.0)
<i>Other Allocation for Waterfront and Subway Cost Recovery</i>			(97,573.0)	(141,085.0)	(57,317.0)	(43,656.0)	(42,488.0)	(41,550.0)	(41,550.0)	(316,200.0)	(59,000.0)	(59,000.0)	(899,419.0)
Total Withdrawals			(324,902.0)	(244,657.0)	(337,002.0)	(187,589.0)	(159,329.0)	(102,405.0)	(41,550.0)	(41,550.0)	(316,200.0)	(59,000.0)	(1,548,282.0)
<i>Contributions</i>		277,425.0	165,980.0	100,000.0	90,000.0	155,000.0	155,000.0	155,000.0	155,000.0	155,000.0	75,000.0	75,000.0	1,280,980.0
Total Reserve / Reserve Fund Draws / Contributions		319,993.0	241,316.0	4,314.0	(93,275.0)	(97,604.0)	(45,009.0)	68,441.0	181,891.0	20,691.0	36,691.0	52,691.0	370,147.0
Balance at Year-End		319,993.0	241,316.0	4,314.0	(93,275.0)	(97,604.0)	(45,009.0)	68,441.0	181,891.0	20,691.0	36,691.0	52,691.0	370,147.0

Reserve / Reserve Fund Name (In \$000s)	Reserve / Reserve Fund Number	Projected Balance as of Dec. 31, 2015 *	Rec'd Withdrawals (-) / Contributions (+)										2016 - 2015 Total Contribution/ (Withdrawal)
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Projected Beginning Balance		68,084.6	68,084.6	30,481.6	(8,898.4)	(28,693.4)	(31,860.4)	(33,597.4)	(22,203.4)	7,068.6	37,721.6	102,599.6	170,570.3
Development Charges (2009) - Roads & Related	XR2109												
<i>Proposed Withdrawals (-)</i>													
<i>McNicoll Bus Garage Facility - Growth</i>			(10,463.0)	(30,350.0)	(13,950.0)	(34,046.0)							(88,809.0)
<i>ATC BD Resignalling - SOGR</i>						(20,350.0)	(25,000.0)	(38,879.0)	(23,719.0)	(27,271.0)			(135,219.0)
<i>ATC YUS Resignalling - SOGR</i>			(57,823.0)	(27,189.0)		(5,619.0)							(90,631.0)
<i>Leslie Barns Streetcar Main. & Storage Facility</i>													
<i>Other Service Planning - Improvement</i>			(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)	(1,760.0)		(15,840.0)
<i>Replace 40 Diesel Buses or Equivalent - SOGR</i>			(10,498.0)	(12,000.0)	(11,450.0)	(4,000.0)	(38,000.0)	(11,626.0)	(9,300.0)	(5,648.0)			(102,522.0)
<i>Toronto Rocket Yard - Storage Track Accommodation</i>			(14,935.0)	(28,851.0)	(54,413.0)								(98,199.0)
Total Withdrawals for TTC			(95,479.0)	(100,150.0)	(81,573.0)	(65,775.0)	(64,760.0)	(52,265.0)	(34,779.0)	(34,679.0)	(1,760.0)		(531,220.0)
<i>Contributions</i>			57,876.0	60,770.0	61,778.0	62,608.0	63,023.0	63,659.0	64,051.0	65,332.0	66,638.0	67,970.8	633,705.8
Total Reserve / Reserve Fund Draws / Contributions		68,084.6	30,481.6	(8,898.4)	(28,693.4)	(31,860.4)	(33,597.4)	(22,203.4)	7,068.6	37,721.6	102,599.6	170,570.3	273,056.1
Other Program / Agency Net Withdrawals & Contributions													
Balance at Year-End		68,084.6	30,481.6	(8,898.4)	(28,693.4)	(31,860.4)	(33,597.4)	(22,203.4)	7,068.6	37,721.6	102,599.6	170,570.3	273,056.1

* Based on 9-month 2015 Reserve Fund Variance Report