



2018-2027 TTC Capital Budget and Plan





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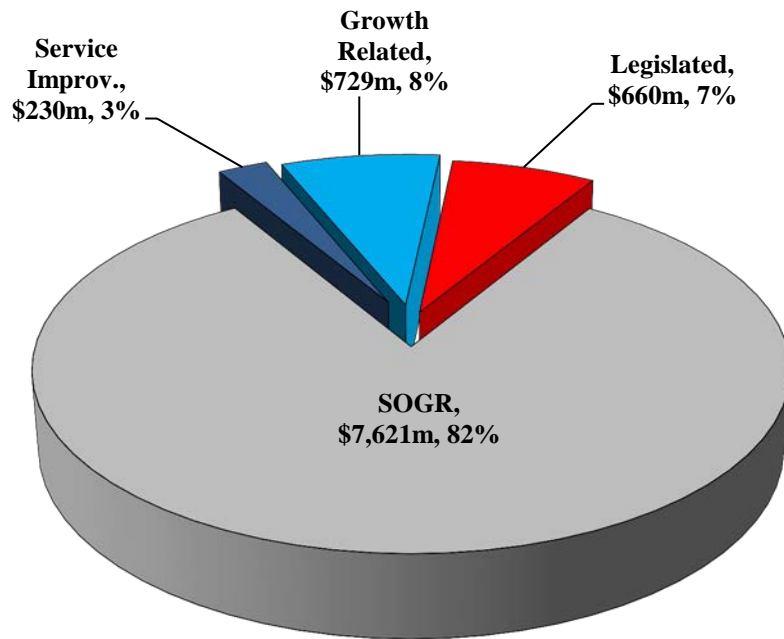
2018 – 2027 Capital Budget Requirements



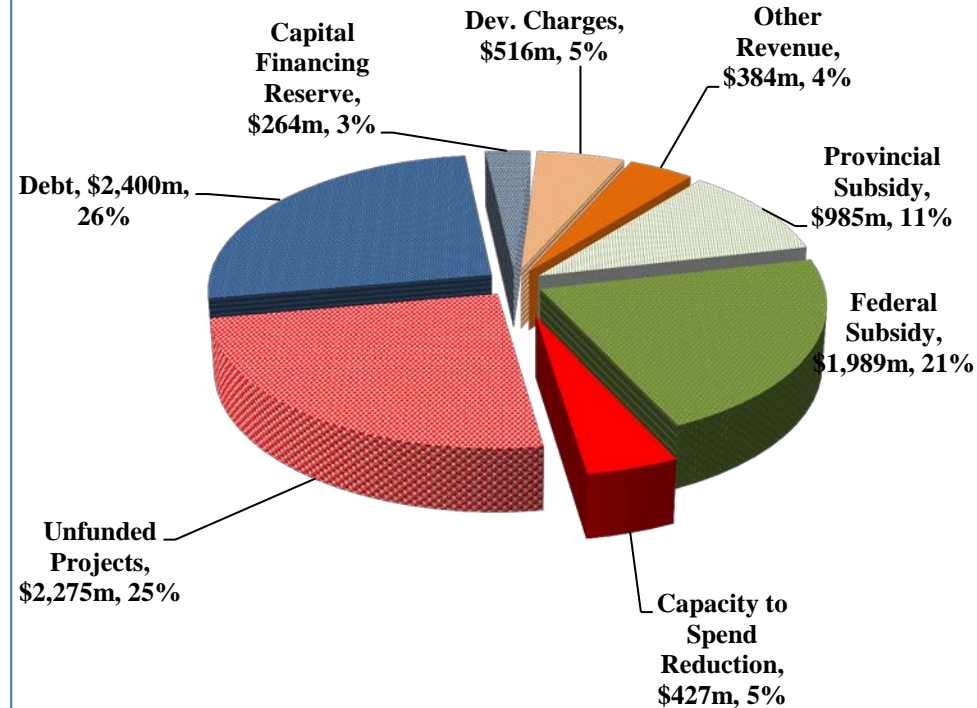


2018 to 2027 Capital Budget and Plan (GROSS ASK)

Where the Money Goes \$9.240 Billion



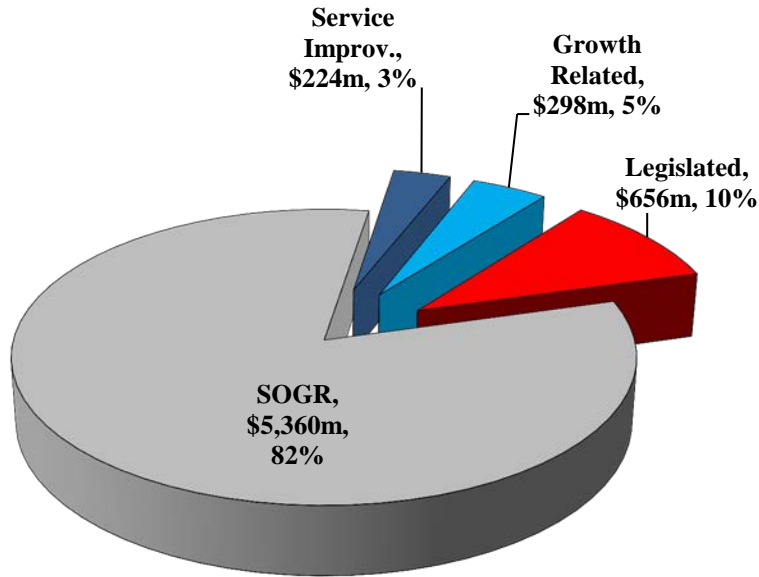
Where the Money Comes From \$9.240 Billion



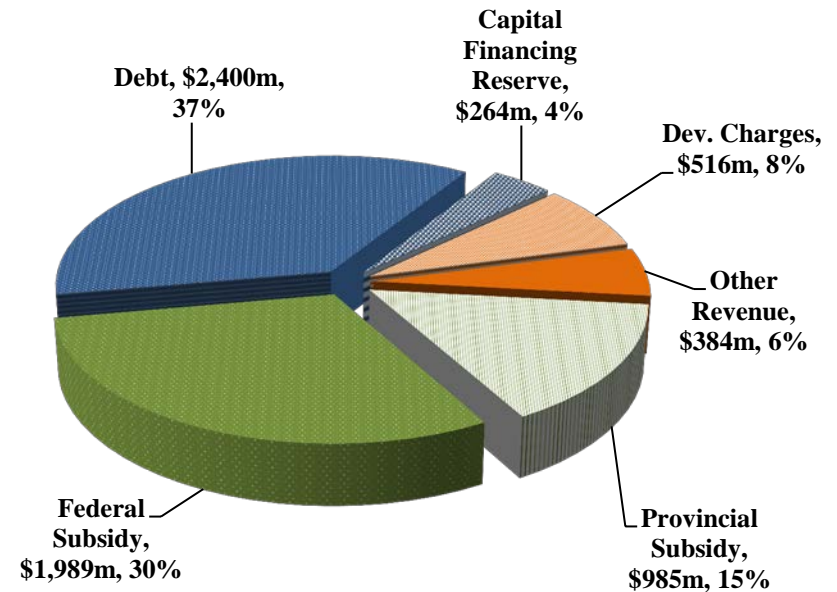


2018 to 2027 Capital Budget and Plan (FUNDED)

Where the Money Goes \$6.538 Billion



Where the Money Comes From \$6.538 Billion



2018 - 2027 TTC Capital Budget and Plan



TTC 2018 BASE CAPITAL BUDGET (Funded)

(\$Millions)

Vehicles:

Purchase of Buses - SOGR	212		
Purchase of Buses - Service Improvements	17		
Purchase of 360 Future Wheel Trans Buses	10		
Purchase of Subway Cars - SOGR	27	\$580	41%
Purchase of Streetcars (204) - SOGR	185		
Vehicle Overhaul Programs (Bus, WT, Subway, Streetcar)	104		
Other (Non-Revenue Vehicle Purchase & Overhaul)	25		

Infrastructure Projects:

Track Programs	79		
Electrical Systems	56		
Signal Systems (Incl. Line 1 (YUS \$65M) and Line 2 (BD \$0.2M))	84		
Finishes	20		
Equipment	24		
Yards & Roads	13		
Bridges & Tunnels	30		
Building & Structures:			
- New Subway Maintenance & Storage Facility	120		
- Fire Ventilation Upgrade	16		
- Easier Access Phase III	45	\$826	59%
- TR/T1 Rail Yard Accommodation	34		
- McNicoll Bus Garage	30		
- Surface Way Bldg. Replacement	19		
- Leslie Barns	17		
- Wheel-Trans 10 Yr Transformation Program	11		
- Duncan Shop Ventilation Upgrade	10		
- Stations Transformation	11		
- Other Building & Structure Projects	48	361	
Revenue and Fare Handling Equipment	12		
Information Technology	101		
Other Projects	46		
Total - Base Funded Program		\$1,406	



2018 - 2027 TTC Capital Budget and Plan

TTC 2018-2027 BASE CAPITAL BUDGET & PLAN (FUNDED)

Vehicles:

	(\$Millions)		
Purchase of Buses - SOGR	452		
Purchase of Buses - Service Improvements	82		
Purchase of 360 Future Wheel Trans Buses	81		
Purchase of Subway Cars - SOGR	32	\$1,984	30%
Purchase of Streetcars (204) - SOGR	502		
Vehicle Overhaul Programs (Bus, WT, Subway, Streetcar)	732		
Other (Non-Revenue Vehicle Purchase & Overhaul)	103		

Infrastructure Projects:

Track Programs		656		
Electrical Systems		369		
Signal Systems (Incl. Line 1 (YUS - \$180) and Line 2 (BD - \$300))		560		
Finishes		131		
Equipment		201		
Yards & Roads		158		
Bridges & Tunnels		360		
Building & Structures:				
- Fire Ventilation Upgrade	112			
- Easier Access Phase III	473			
- TR/T1 Rail Yard Accommodation	277			
- McNicoll Bus Garage	157			
- New Subway Maintenance & Storage Facility	120			
- Leslie Barns	24		\$4,554	70%
- Wheel-Trans 10 Yr Transformation Program	39			
- Stations Transformation	40			
- LRV Carhouse Facility	42			
- Subway Facility Renewal	57			
- Wilson Garage Ventilation Upgrade	49			
- Wilson Backup Centre (ITS/TC)	26			
- Duncan Shop Ventilation Upgrade	31			
- Surface Way Buildings Replacement	27			
- Backflow Preventers	24			
- Other Building & Structure Projects	<u>116</u>	1,614		
Environmental Projects		58		
Information Technology		298		
Other Projects		149		
Total - Base Funded Program		<u><u>6,538</u></u>		





BUSES





Bus Fleet & Facilities (\$Millions)

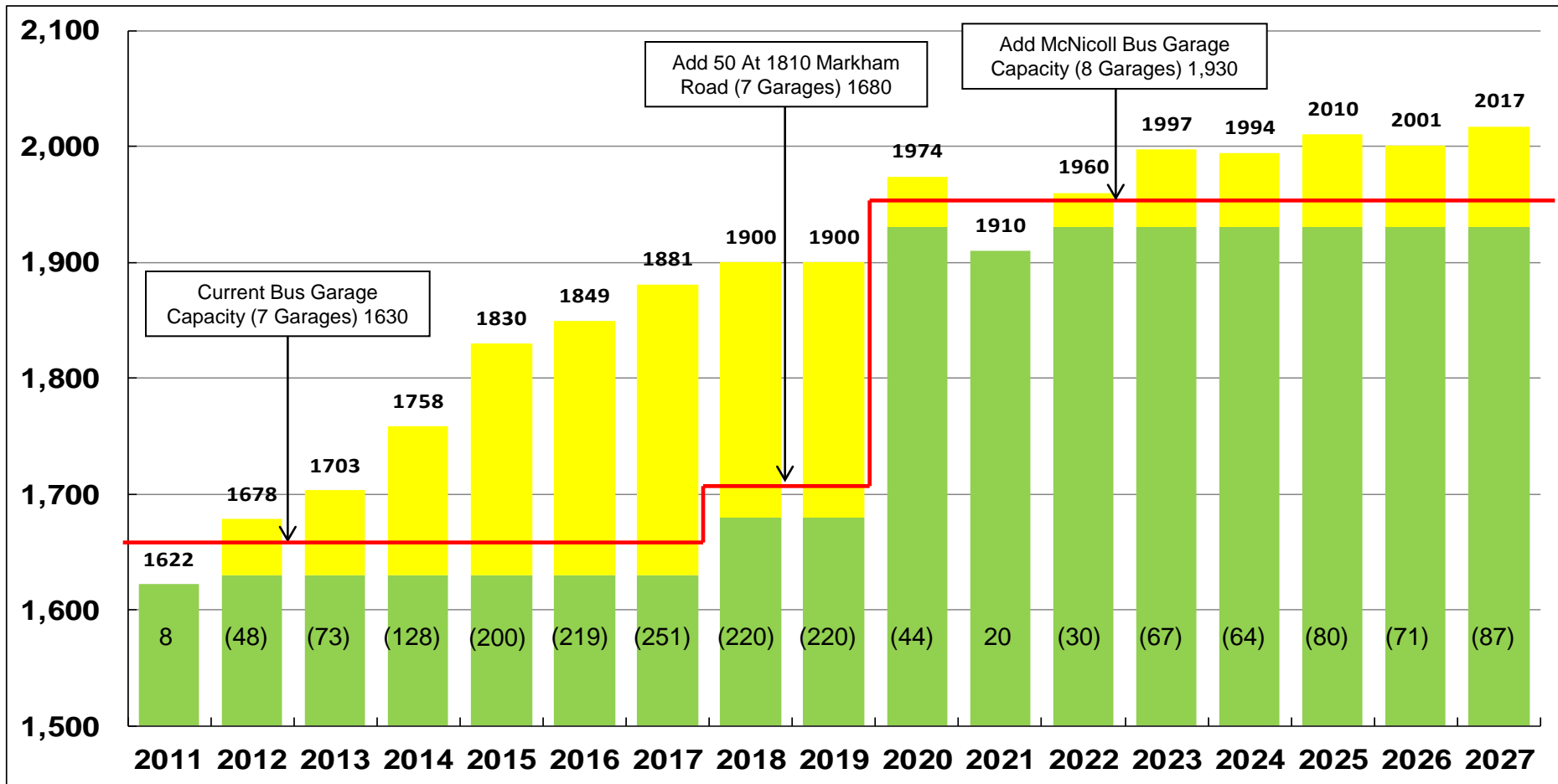
	Program *	LTD to 2017	2018-2027	EFC
Vehicles	Purchase of Buses - SOGR	324	452	776
	Purchase of Buses - Service Improvement	159	82	241
	Purchase of 360 Future Wheel-Trans Buses	3	82	85
	Bus Overhaul	251	425	676
Facilities	McNicoll Bus Garage	24	157	181
	Wheel-Trans 10-Yr Transformation Program	3	39	42
	Bus Garage/Shops Facility Renewal & Modifications	107	25	132
Other	Bus Cleaning Equipment Programs	6	9	15
	Bus Hoist	39	35	74
	Bus Washracks	15	14	29
	Bus Maintenance & Shop Equipment/Other	10	17	27
	Proposed Total	941	1,337	2,278
* Funded Projects				





OVER CAPACITY

Bus Facility Plan – 1810 Markham Road 2018 & McNicoll Garage 2020





NEW LRVs





LRV Fleet & Facilities (\$Millions)

	Program*	LTD to 2017	2018-2027	EFC
Vehicles	Purchase of 204 LRVs	685	502	1,187
	New LRV Overhaul	2	69	71
	ALRV/CLRV Life Extension	28	14	42
Facilities	Leslie Barns	500	24	524
	LRV Carhouse Facility Renewal Program/Other	69	69	138
Other	Surface Track	231	306	537
	Traction Power Substations	82	74	156
	Reconstruction of Streetcar Overhead	73	56	129
	Substation Electrical Rebuild	43	39	82
	Streetcar Network Upgrades for LRV	43	33	76
	O/H Pole Replacement	44	16	60
	Streetcar Trackswitch & Controllers Rehabilitation, Replacement & Equipment	10	19	29
	Streetcar Shelter Reconstruction	1	2	3
Proposed Total		1,811	1,223	3,034
* Funded Projects				





TORONTO ROCKETS





Subway Fleet & Facilities (\$Millions)

	Program*	LTD to 2017	2018-2027	EFC
Vehicles	Purchase of Subway Cars - SOGR	1,140	32	1,172
	Subway Car Overhaul (EFC Incl. Post 2027 \$88.6M)	165	224	479
Facilities	Wilson Garage Ventilation Upgrades	2	49	51
	New Subway Maintenance and Storage Facility (Property)	-	120	120
	TR/T1 Rail Yard Accommodation (EFC Incl. Post 2027 \$471M)	219	277	966
	Stations Transformation	11	40	51
	Subway Facility Renewal/Other	113	127	240
	Subway Equipment	140	161	301
Other	Subway Track	177	351	528
	Tunnel & Station Leak Remediation Program	77	49	126
	Other Signal Systems	80	209	199
	Line 1 (YUS) ATC Resignalling	383	180	563
	Line 2 (BD) ATC Resignalling (EFC Incl. Post 2027 \$131M)	1	300	431
Proposed Total		2,508	2,119	5,227

* Funded Projects





2018 – 2027 Capital Budget & Plan





Changes to the Sept. 26 Recommended 10-Year Capital Budget & Plan

Base Capital Program	10-Yr Capital Budget & Plan - September 26/17 TTC Budget Committee Meeting										
(\$Millions)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 -2027
Debt Affordability Target	596	491	420	235	65	105	78	84	126	200	2,400
Requested Debt	532	526	438	386	289	79	55	51	74	68	2,497
Over/Under Debt Target	-64	35	18	151	224	-26	-23	-33	-53	-132	97
5-Yr Changes	364					-267					97
Base Capital Program	10-Yr Capital Budget & Plan - November 28/17 Board Meeting										
(\$Millions)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 -2027
Debt Affordability Target	596	491	420	235	65	105	78	84	126	200	2,400
Requested Debt	406	564	436	384	147	103	80	77	104	100	2,400
Over/Under Debt Target	-190	72	16	149	82	-2	2	-7	-22	-100	0
5-Yr Changes	129					-129					0
Change	-126	37	-2	-2	-142	24	25	26	30	32	-97
5-Yr Changes	-234					138					-97

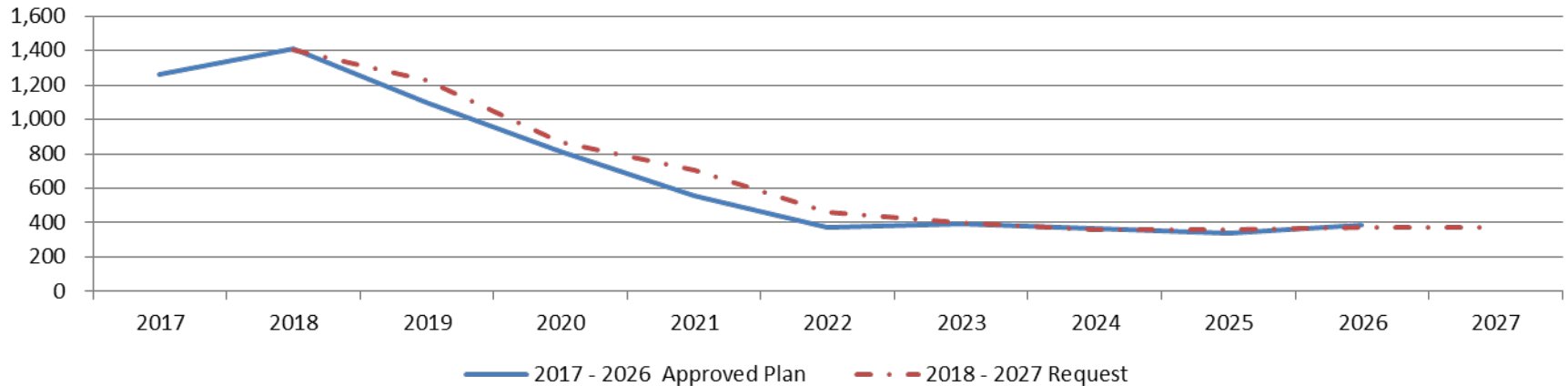
- Key Changes

- Additional provincial funding - \$6.0 million (Primarily Provincial Gas Tax funding)
- Additional PTIF Funding - \$36.5 million (Initial estimate for 115 buses delivered prior to March 2019)
- 2018 and FY Cash Flow reductions based on anticipated 2017 underspending - \$52.1 million
- Unfunded Projects - \$2.1 million in added requirements based on project funding changes:
 - BD ATC Resignalling – Added to 10-Year Plan (\$111.6 million)
 - Purchase of 360 Future Wheel Trans Buses – Added to 10-Year Plan (\$52.8 million)
 - Purchase of 372 New Subway Cars – Added to unfunded list (\$166.5 million in 2022)





Changes from the 2017 – 2026 Capital Plan



Changes to the 2017 - 2026 Approved Capital Budget & Plan												
(\$Millions)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Total
2017 - 2026 Approved Plan	1,264	1,413	1,099	812	556	374	396	367	339	385		7,005
2018 - 2027 Request		1,406	1,227	868	705	464	400	361	360	374	373	6,538
Change	-1,264	-7	128	56	149	90	4	-6	21	-11	373	-467
Change over Nine Common Years		-7	128	56	149	90	4	-6	21	-11		424

Key Change Drivers for Nine Common Years

- Carry Forward Funding from 2017 to 2018
- New Subway Maintenance & Storage Facility
- Cash Flow Acceleration and Deferrals





For 2018-2026, \$176M* is for changes to Existing Projects

Included major programs are:

- \$113 million for New Subway Maintenance & Storage Facility (Property Acquisition)
- \$32 million for Traction Power
- \$37 million for Streetcar Overhaul
- \$34 million for Other Buildings and Structures
- \$25 million for Fire Ventilation
- \$21 million for Service Planning
- \$13 million for Surface Track
- \$11 million for Revenue and Fare Handling
- \$7 million for Power Distribution
- \$6 million for Bridges & Tunnels
- \$6 million for Finishes
- \$5 million for Shop Equipment
- \$(26) million for Purchase of Buses
- \$(25) million for Revenue Operations Facility
- \$(22) million for Information Technology
- \$(16) million for TR/T1 Rail Yard Accommodation
- \$(14) million for Subway Track
- \$(8) million for Bus Overhaul
- \$(6) million for Purchase of Non-Revenue Vehicle and Overhaul
- \$(5) million for Signal Systems
- \$(5) million for Communications Program
- \$(3) million for TR Subway Car Overhaul
- \$(4) million for other projects

** Note: Net of carryforward of \$248 million*





**Capacity to Spend Adjustments
And
Unfunded Projects**





10 - Year Capital Budget Comparison

Base Program

(\$Billions)

	2015 - 2024 <u>Approved</u>	2016 - 2025 <u>Approved</u>	2017 - 2026 <u>Approved</u>	2018 - 2027 <u>Request</u>
Budget/Request	9.268	9.316	9.440	9.240
Funding Available	6.901	6.637	7.005	6.538
Shortfall	<u>2.367</u>	<u>2.679</u>	<u>2.435</u> *	<u>2.702</u> **

Note:

* After applying the capacity to spend adjustment of \$482M the net shortfall is \$1.954B

** Shortfall includes the capacity to spend adjustment of \$427M and Unfunded Projects of \$2.275B





Capital Funding

2018 - 2027 Capital Budget and Plan											
(\$Millions)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Total
2018 - 2027 Proposed Capital Plan Request	1,481.4	1,257.3	1,139.9	937.6	963.4	715.2	623.3	743.6	740.7	637.6	9,240.0
Funding Sources											
Provincial Funding	136.7	173.0	148.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	985.1
Federal Funding (Including PTIF)	399.1	250.9	167.4	167.4	167.4	167.4	167.4	167.4	167.4	167.4	1,989.3
Debt Funding	596.5	491.4	419.6	234.6	65.1	104.8	77.9	84.2	126.2	200.0	2,400.2
2017 Carry Forward Funding (Debt portion)	229.6										229.6
Capital Financing Reserve	70.3	156.5	37.6								264.4
TTC Internal (Depreciation)	29.3	18.1	11.9	13.5	9.7	12.0	9.3	10.6	18.8	18.4	151.7
Development Charges	132.8	65.0	65.9	65.1	64.7	43.1	28.9	29.8	9.1	12.0	516.4
TTC Other	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Total Funding Sources	1,595.9	1,154.9	851.3	555.8	382.1	402.5	358.7	367.3	396.8	473.1	6,538.4
Funding Shortfall	(114.6)	102.4	288.7	381.8	581.3	312.7	264.6	376.3	343.9	164.5	2,701.6
Reductions to address shortfall:											
Capacity to Spend (CTS) Adjustments	26.2	30.2	45.1	51.1	48.2	43.2	41.2	42.9	48.3	50.5	427.0
Existing Unfunded Projects	49.6	0.0	227.2	181.5	451.2	271.7	221.2	340.3	318.0	214.1	2,274.7
Total CTS Adjustments and Unfunded Projects	75.7	30.2	272.3	232.7	499.4	315.0	262.4	383.2	366.3	264.5	2,701.6
Final Net Funding Shortfall	(190.3)	72.2	16.4	149.1	81.9	(2.3)	2.3	(6.9)	(22.4)	(100.0)	0.0

\$2.7 B

- Meets 10-Year debt affordability target
- **\$2.7 billion in unfunded projects**
- Deferred consideration of an additional \$1.2 billion in projects





Capacity-to-Spend Adjustments

Project Description	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 to 2027
<i>Capacity to Spend Adjustment</i>											
Subway Track	-	0.2	7.4	8.8	6.6	5.7	5.8	5.9	6.0	6.2	52.7
Surface Track	-	0.2	4.7	5.3	5.7	4.9	4.2	4.8	5.7	5.9	41.5
Traction power	2.1	2.8	2.8	2.8	2.8	2.9	3.1	3.2	3.4	4.1	30.1
Power Dist./Electric Systems	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.3	10.6
Communications	3.8	1.8	2.0	2.2	2.0	2.0	1.9	2.0	2.4	3.0	23.1
Signal Systems	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.2
ATC Resignalling (Line 2 - BD)	-	-	-	-	-	-	-	-	-	-	-
Finishes	-	-	2.1	2.8	3.7	1.9	1.3	1.1	1.4	1.2	15.6
Equipment	0.9	1.4	1.9	1.9	1.6	2.0	2.0	2.0	1.8	2.9	18.5
On-Grade Paving Rehabilitation	-	-	2.2	3.1	2.9	1.9	1.8	1.9	1.9	1.9	17.6
Transit Shelters & Loops	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.5
Bridges and Tunnels	3.7	5.2	5.9	6.0	6.1	6.5	6.6	7.0	7.1	7.2	61.3
Fire Ventilation Upgrade	-	-	-	-	-	-	-	-	-	-	-
Other Bldgs & Structures Projects	1.7	3.4	4.2	3.6	3.5	1.3	1.2	1.1	0.8	0.8	21.5
Replacement of Wheel-Trans Vehicles	-	-	-	-	-	-	-	-	-	-	-
Bus Overhaul	-	4.0	5.3	7.2	7.3	7.4	7.5	7.7	8.7	8.3	63.4
Automotive Non-Revenue Vehicles	1.9	1.3	1.1	0.9	1.0	1.0	0.6	0.6	0.6	0.6	9.7
Rail Non-Revenue Vehicle Overhaul	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	1.3
Tools and Shop Equipment	2.1	1.3	0.9	2.0	0.8	0.6	0.6	0.6	0.6	0.7	10.3
Other Maintenance Equipment	1.8	1.6	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	6.7
Environmental Programs	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	3.9
Information Technology System	4.1	2.3	1.6	1.6	1.4	2.2	1.7	2.0	4.7	4.5	26.2
Furniture & Office Equipment	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.7
Transit Priorities Project	1.7	2.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	6.5
<i>Sub-Total Capacity-to-Spend Adjustment</i>	26.2	30.2	45.1	51.1	48.2	43.2	41.2	42.9	48.3	50.5	426.9

- Capacity to spend adjustments do not reflect a decrease in capital need but rather aligns annual cash flows with the TTC's capacity to spend/deliver on each project on an annual basis.
- Capacity to spend Adjustments are consistent with Council budget directions
- Capacity to Spend Adjustments were applied based on individual project performance and prior year spending rates.





Capacity-to-Spend Adjustments and Unfunded Projects

Unfunded Projects											
(\$Millions)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Total
Capacity to Spend (CTS) Adjustments (Various Projects)	26	30	45	51	48	43	41	43	48	51	427
Unfunded Projects:											
Fire Ventilation Upgrades	-	-	-	2	50	47	29	21	13	-	162
Purchase of Buses	-	-	5	90	86	53	22	-	15	-	271
Purchase of 372 New Subway Cars	-	-	-	-	316	172	170	319	290	144	1,411
Ridership Growth for YUS and BD	-	-	-	-	-	-	-	-	-	70	70
Purchase of Streetcars	50	-	222	89	-	-	-	-	-	-	361
Total CTS Adjustments and Unfunded Projects	76	30	272	233	499	315	262	383	366	265	2,702

Note:

- \$2.7 Billion in TTC Unfunded Projects
 - Need greater focus on unfunded projects and associated risks of not proceeding with critical investments
 - Long term funding strategy needs to be developed with City support





Transit Expansion Projects





Toronto York Spadina Subway Extension (EFC \$3.2B)

- The Toronto-York Spadina Subway Extension project is jointly funded by the Government of Canada, the Province of Ontario, the City of Toronto and the Regional Municipality of York;
- The in service date is targeted for December 17, 2017.

Description (\$000)	Prior Years		10-Yr Capital Budget & Plan			EFC
	2016 and Prior	2017	2018	2019 - 2027	2018 - 2027	
Toronto York Spadina Subway Extension						
2017 - 2026 Approved Budget	2,478,859	545,057	160,255	0.0	160,255	3,184,171
2018 - 2027 Proposed Budget	2,415,328	568,449	200,394	0.0	200,394	3,184,171
Change	-63,531	23,392	40,139	0.0	40,139	0.0





Scarborough Subway Extension (EFC\$3.6B)

- Replace aging Scarborough RT with a Scarborough Subway Extension;
- Scarborough Subway also includes:
 - SRT Life Extension – Facilities, Equipment & Vehicles
 - SRT Decommissioning & Demolition

Scarborough Subway Extension (\$000)	Prior Years		10-Yr Capital Budget & Plan											Post 2027	EFC	
	2016 and Prior	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 - 2027			
2017 - 2026 Approved Budget																
Scarborough Subway	39,830	86,820	539,710	400,327	478,896	474,982	555,511	456,710	247,581	24,633			3,178,350		3,305,000	
SRT Life Extension - Facilities, Equipment & Vehicles	19,933	38,374	38,253	16,833	6,278	3,484	6,873	1,971					73,693		132,000	
SRT Decommissioning & Demolition										123,000			123,000		123,000	
Total 2017 - 2026 Approved Budget	59,763	125,194	577,963	417,160	485,174	478,466	562,384	458,681	247,581	147,633	0	0	3,375,043	0	3,560,000	
2018 - 2027 Proposed Budget																
Scarborough Subway	30,480	59,320	85,390	86,310	162,830	248,860	459,670	1,019,480	631,310	300,960	115,660	85,270	3,195,740	19,460	3,305,000	
SRT Life Extension - Facilities, Equipment & Vehicles	12,061	18,929	27,861	33,458	16,772	3,984	12,160	2,870	2,315	950	640	0	101,010	0	132,000	
SRT Decommissioning & Demolition											24,600	98,400	123,000		123,000	
Total 2018 - 2027 Proposed Budget	42,541	78,249	113,251	119,768	179,602	252,844	471,830	1,022,350	633,625	301,910	140,900	183,670	3,419,750	19,460	3,560,000	
Change																
Scarborough Subway	-9,350	-27,500	-454,320	-314,017	-316,066	-226,122	-95,841	562,770	383,729	276,327	115,660	85,270	17,390	19,460	0	
SRT Life Extension - Facilities, Equipment & Vehicles	-7,872	-19,445	-10,392	16,625	10,494	500	5,287	899	2,315	950	640	0	27,317	0	0	
SRT Decommissioning & Demolition	0	0	0	0	0	0	0	0	0	-123,000	24,600	98,400	0	0	0	
Total Change	-17,222	-46,945	-464,712	-297,392	-305,572	-225,622	-90,554	563,669	386,044	154,277	140,900	183,670	44,707	19,460	0	





Relief Line & Waterfront Capital Budget and Plan

Description (\$000)	10-Yr Capital Budget & Plan				EFC
	2017	2018	2019 - 2027	2018 - 2027	
Relief Line					
Class 3 Estimate Development *	7,500	40,000	52,500	92,500	100,000
Waterfront Transit					
Exhibition to Dufferin Gate Loop	2,900	700		700	3,600
Total Relief Line and Waterfront Transit Expansion	10,400	40,700	52,500	93,200	103,600

* Note: Funding of \$55 million will be sourced through a 50%/50% split between City's contribution and the Federal PTIF Phase I program and the remaining \$44.5 million will be sourced through the June 2016 Province/Metrolinx \$150 million funding allocation to advance Relief Line planning and design.

- As per Council direction, transferred to the TTC Budget on November 7, 2017
- Include PTIF funding, requiring substantial completion no later than March 31, 2019
- Unspent 2017 Cash Flow will be carried forward to 2018





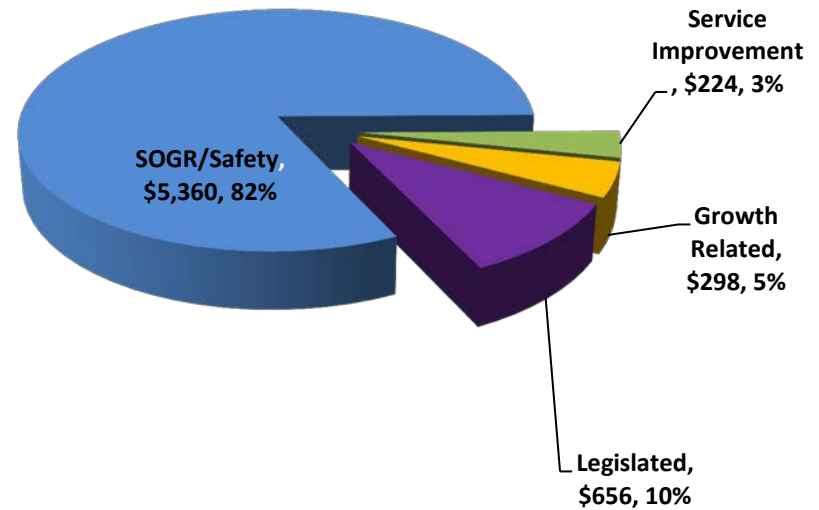
APPENDICES





BASE CAPITAL BUDGET Ten Year Capital Needs By Major Category (\$ millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Legislated	75	581	656	10%
SOGR/Safety	1,107	4,253	5,360	82%
Service Improvement	60	164	224	3%
Growth Related	164	134	298	5%
<i>Total Funded Request</i>	1,406	5,132	6,538	100%



* **Note:** the 10 year Gross Base Capital Request is \$9.2 billion

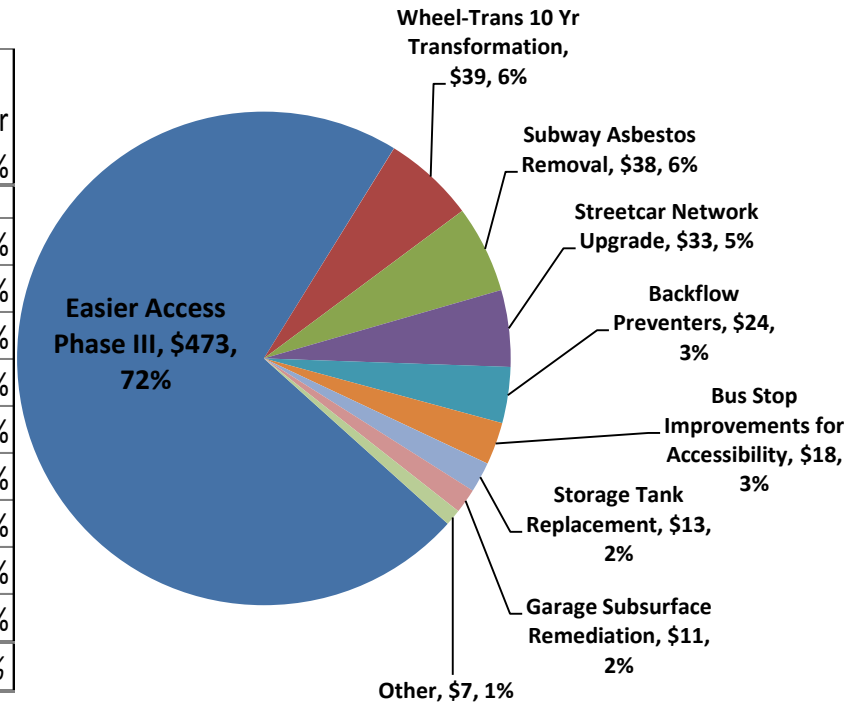


2018 - 2027 TTC Capital Budget and Plan



LEGISLATED 2018-2027 (\$Millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Easier Access Phase III	45	428	473	72%
Wheel-Trans 10 Yr Transformation	11	28	39	6%
Subway Asbestos Removal	3	35	38	6%
Streetcar Network Upgrade	2	31	33	5%
Backflow Preventers	1	23	24	3%
Bus Stop Improvements for Accessibility	4	14	18	3%
Storage Tank Replacement	4	9	13	2%
Garage Subsurface Remediation	1	10	11	2%
Other	4	3	7	1%
Total	75	581	656	100%



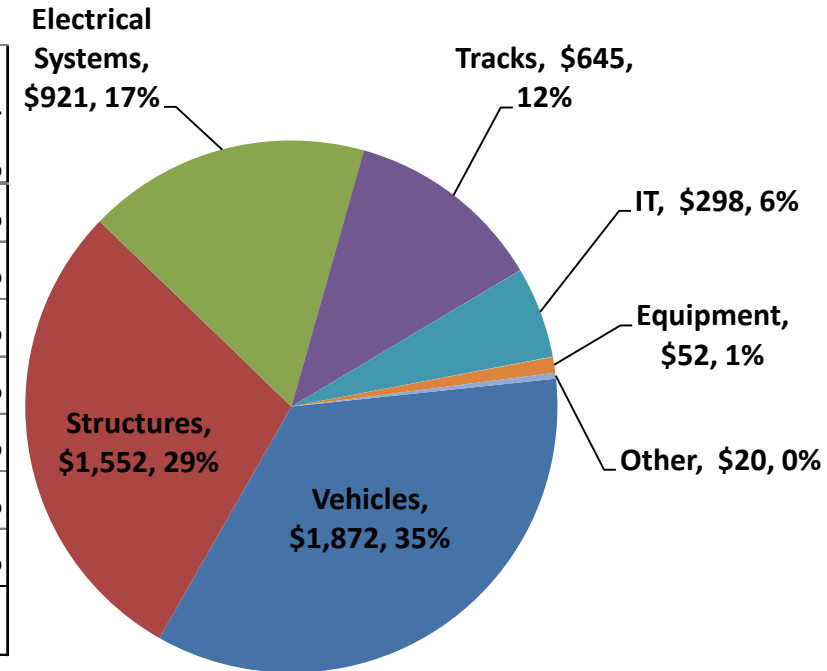
Note: 2018-2027 Gross Requested for Legislated Programs/Projects - \$660.2 million





STATE OF GOOD REPAIR/SAFETY 2018-2027 (\$Millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Vehicles	554	1,318	1,872	35%
Structures	218	1,334	1,552	29%
Electrical Systems	136	785	921	17%
Tracks	73	572	645	12%
IT	101	197	298	6%
Equipment	20	32	52	1%
Other	5	15	20	0%
Total	1,107	4,253	5,360	100%



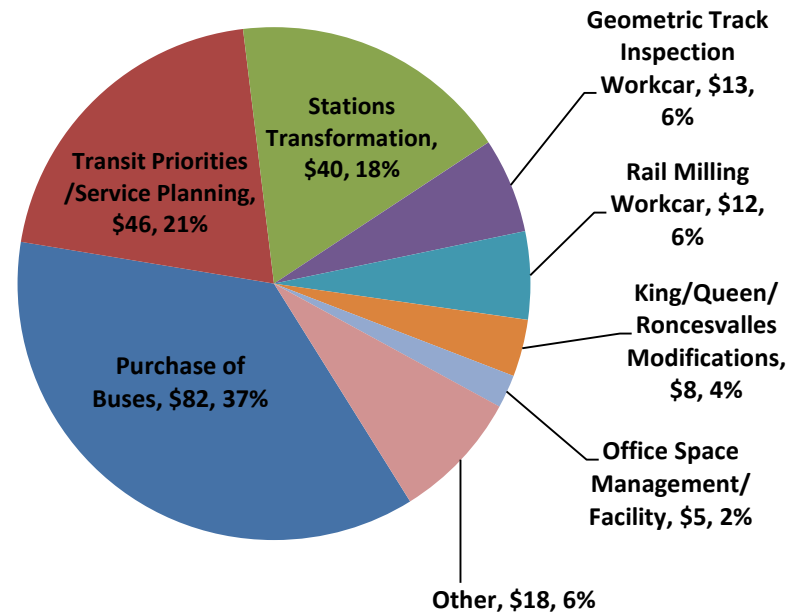
Note: 2018-2027 Gross Requested for SOGR Programs/Projects - \$7,620.8 million





SERVICE IMPROVEMENT 2018-2027 (\$Millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Purchase of Buses	17	65	82	37%
Transit Priorities / Service Planning	10	36	46	21%
Stations Transformation	11	29	40	18%
Geometric Track Inspection Workcar	5	8	13	6%
Rail Milling Workcar	1	11	12	6%
King/Queen/Roncesvalles Modifications	4	4	8	4%
Office Space Management/Facility	1	4	5	2%
Other	11	7	18	6%
Total	60	164	224	100%



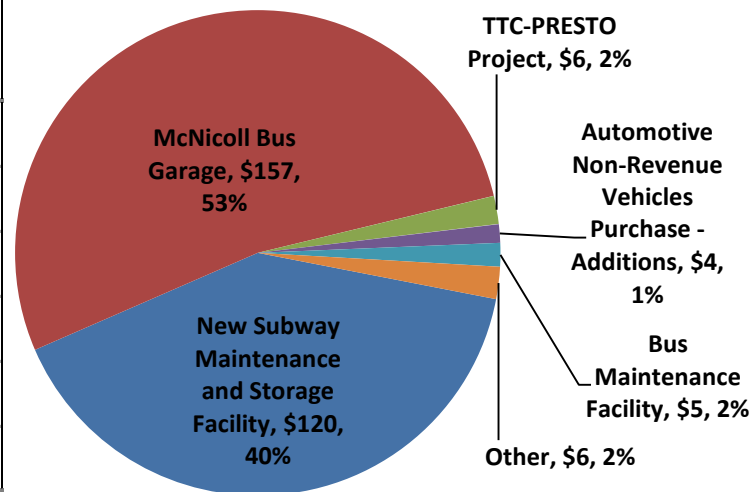
Note: 2018-2027 Gross Requested for Service Improvements Programs/Projects - \$230.2 million





GROWTH RELATED 2018-2027 (\$Millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
New Subway Maintenance and Storage Facility	120	0	120	40%
McNicoll Bus Garage	30	127	157	53%
TTC-PRESTO Project	6	0	6	2%
Automotive Non-Revenue Vehicles Purchase - Additions	4	0	4	1%
Bus Maintenance Facility	3	2	5	2%
Other	1	5	6	2%
Total	164	134	298	100%



Note: 2018-2027 Gross Requested for Growth Related Programs/Projects - \$728.7 million

