



Proposed 2018-2027 TTC Capital Budget and Plan





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Capital Budget Directives

Annual Cash Flows

- Capital project annual cash flows reflect the departments capacity to spend (on a per project basis)
- Cash flows be adjusted based on the readiness of a project to proceed
- Annual Cash flows be adjusted based on stage gate approach

New Projects

- No new projects to be included in the Capital Plan unless critical and/or added to the 10th year.

Capital Staffing

- Justification that added positions support capital delivery
- Positions only be added if critical to support timely delivery of capital work
- Temporary positions be deleted following completion of capital requirement



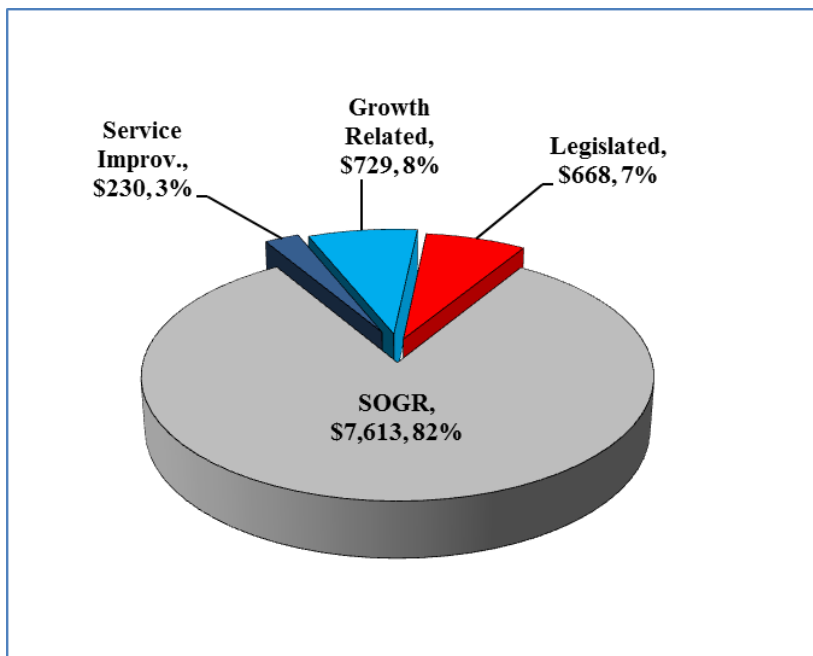


2018 – 2027 Capital Requirements

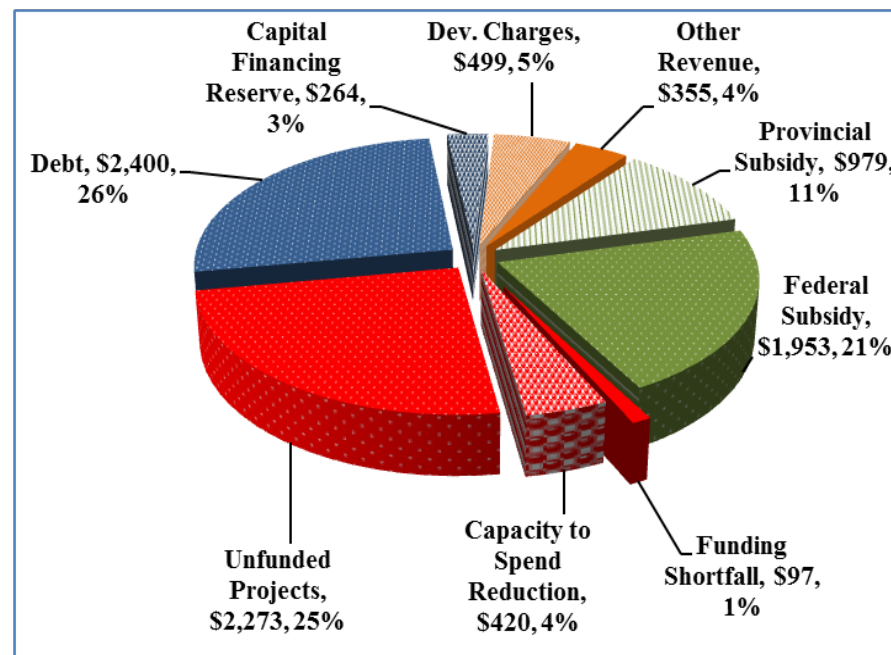




Where the Money Goes \$9,240 Million



Where the Money Comes From \$9,240 Million





TTC 2018 BASE CAPITAL BUDGET

	(\$Millions)		
<u>Vehicles:</u>			
Purchase of Low Floor 40' Diesel Buses - SOGR	212		
Purchase of 99 LF 40' Diesel Buses - Service Improvements	17		
Purchase of 360 Future Wheel Trans Buses	10		
Purchase of remaining TR Subway Cars	27	\$732	46%
Purchase of 204 (\$285M) & 60 (\$50M) LRV Cars	335		
Vehicle Overhaul Programs (Bus, WT, Subway, Streetcar)	104		
Other (Non-Revenue Vehicle Purchase & Overhaul)	27		
<u>Infrastructure Projects:</u>			
Track Programs	79		
Electrical Systems	63		
Signal Systems (Incl. Line 1 (YUS \$65M) and Line 2 (BD \$0.2M))	84		
Finishes	20		
Equipment	25		
Yards & Roads	13		
Bridges & Tunnels	34		
Building & Structures:			
- New Subway Maintenance & Storage Facility	120		
- Fire Ventilation Upgrade	16		
- Easier Access Phase III	45	\$849	54%
- TR/T1 Rail Yard Accommodation	34		
- Surface Way Bldg. Replacement	19		
- McNicoll Bus Garage	30		
- Leslie Barns	17		
- Wheel-Trans 10 Yr Transformation Program	11		
- Duncan Shop Ventilation Upgrade	10		
- Stations Transformation	11		
- Other Building & Structure Projects	<u>49</u>	362	
Environmental Projects	8		
Information Technology	105		
Other Projects	56		
Total - Base Program Request		<u>\$1,581</u>	





TTC 2018-2027 BASE CAPITAL BUDGET REQUEST

Vehicles:

		(\$Millions)		
Purchase of Buses (Incl. Purchase of 360 WT Buses - \$81M)	886			
Purchase of Subway Cars	1,513			
Purchase of LRVs	862	\$4,171	45%	
Vehicle Overhaul Programs (Bus, Subway, Streetcar)	796			
Purchase of NRV/NRV Overhaul	114			

Infrastructure Projects:

Track Programs	751			
Electrical Systems	433			
Signal Systems (Incl. Line 1 (YUS - \$180) and Line 2 (BD - \$300))	565			
Finishes	146			
Equipment	220			
Yards & Roads	176			
Bridges & Tunnels	421			
Building & Structures:				
- Fire Ventilation Upgrade	274			
- Easier Access Phase III	473			
- TR/T1 Rail Yard Accommodation	277			
- McNicoll Bus Garage	157			
- New Subway Maintenance & Storage Facility	120			
- Leslie Barns	24	\$5,069	55%	
- Wheel-Trans 10 Yr Transformaton 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>137</u>	1,797		
Environmental Projects	62			
Information Technology	324			
Other Projects	174			
Total - Base Program Request		<u>\$9,240</u>		





BUSES





Bus Fleet & Facilities (\$Millions)

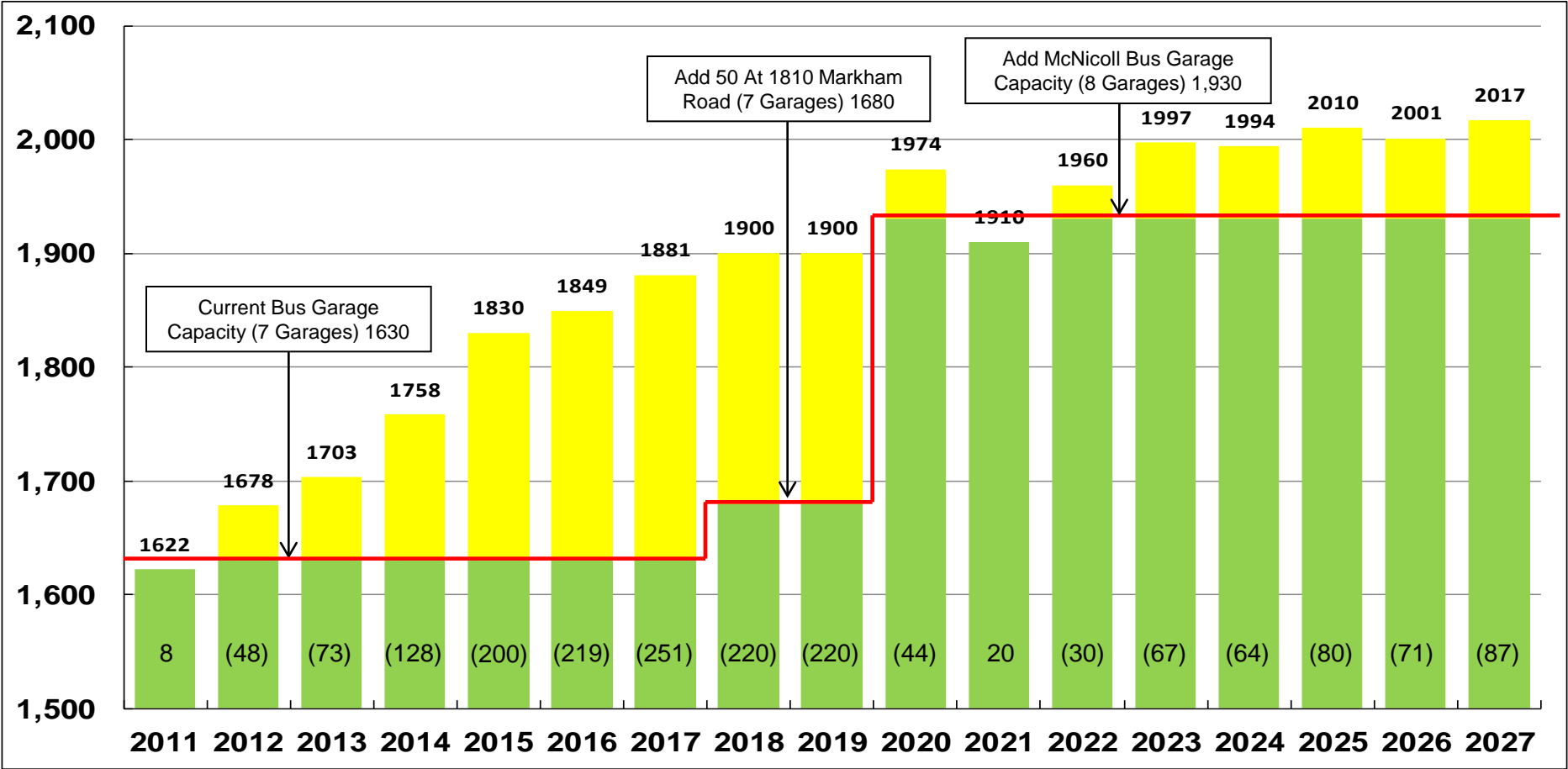
	Program	2018-2027	EFC
Vehicles	Purchase of 272 Low Floor 40ft. Diesel Buses (to 2019)	140	205
	Purchase of 309 Low Floor Diesel Buses (2020 to 2023)	313	313
	Purchase of 496 Low Floor 40ft. Diesel Buses (2018 to 2019)	187	348
	Purchase of 77 Low Floor 40ft. Diesel Buses (2023 to 2026)	83	83
	Purchase of 99 Low Floor 40ft. Diesel Buses (2018 to 2021)	82	85
	Purchase of 360 Future Wheel-Trans Buses (2018 to 2027)	81	85
	Bus Overhaul	489	740
Facilities	McNicoll Bus Garage	157	181
	Wheel-Trans 10-Yr Transformation Program	39	43
	Bus Garage/Shops Facility Renewal & Modifications	25	69
Other	Bus Cleaning Equipment Programs	9	15
	Bus Hoist	35	74
	Bus Washracks	14	29
	Bus Maintenance & Shop Equipment/Other	16	27
	Proposed Total	1,670	2,297





OVER CAPACITY

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





NEW LRVs





LRV Fleet & Facilities (\$Millions)

	Program	2018-2027	EFC
Vehicles	Purchase of 204 LRVs (To 2020)	502	1,187
	Purchase of 60 LRVs (2018 - 2021)	361	361
	New LRV Overhaul	69	69
	ALRV/CLRV Life Extension	14	44
Facilities	Leslie Barns	24	523
	LRV Carhouse Facility Renewal Program/Other	69	138
Other	Surface Track	347	578
	Streetcar Network Upgrades for LRV	33	76
	Reconstruction of Streetcar Overhead	56	129
	Traction Power Substations/Other	143	268
	O/H Pole Replacement	16	60
	Streetcar Trackswitch & Controllers Rehabilitation, Replacement & Equipm	19	29
	Streetcar Shelter Reconstruction	3	4
	Proposed Total	1,656	3,466





TORONTO ROCKETS





Subway Fleet & Facilities (\$Millions)

	Program	2018-2027	EFC
Vehicles	Purchase of 234 New Subway Cars (To 2018)	14	650
	Replacement of 126 H6 Subway Cars (To 2018)	8	295
	Purchase of 60 New Subway Cars (To 2018)	4	222
	Purchase of 372 New Subway Cars (2018 to Post 2026)	1,416	1,861
	Ridership Growth for Line 1 (YUS) & Line 2 (BD)	70	287
	Subway Car Overhaul	224	477
Facilities	Wilson Garage Ventilation Upgrades	49	51
	New Subway Maintenance and Storage Facility (Property)	120	120
	TR/T1 Rail Yard Accommodation	277	966
	Stations Transformation	40	51
	Subway Facility Renewal/Other	75	132
	Subway Equipment	161	300
Other	Subway Track	404	581
	Line 1 (YUS) ATC Resignalling	180	563
	Line 2 (BD) ATC Resignalling	300	431
	Proposed Total	3,342	6,987



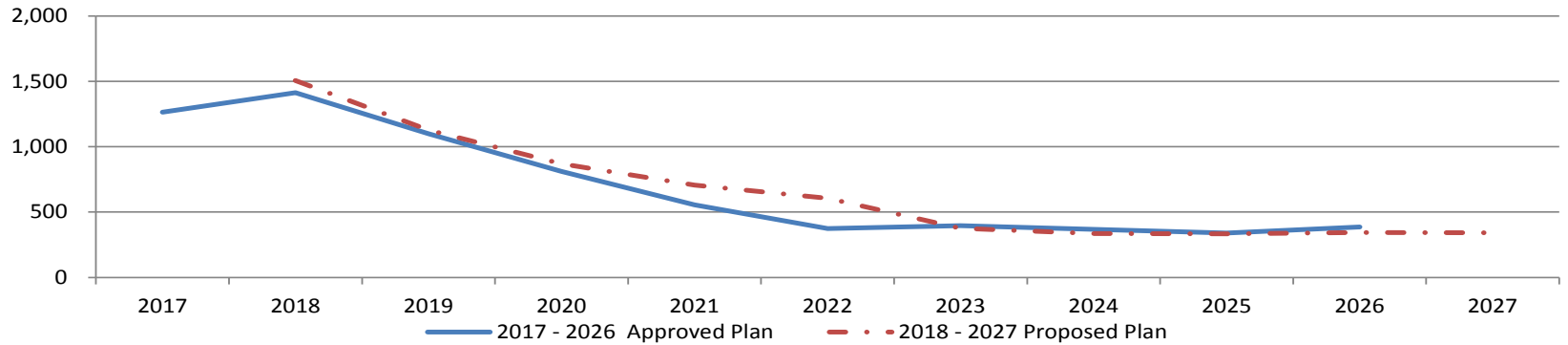


2018 – 2027 Proposed Capital Budget & Plan





Changes from the 2017 – 2026 Capital Plan



Changes to the 2017 - 2026 Approved Capital 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 Proposed Plan		1,506	1,128	870	707	606	376	336	334	344	341	6,548
Change	-1,264	93	29	58	151	232	-20	-31	-5	-41	341	-457
Change over Nine Common Years			93	29	58	151	232	-20	-31	-5	-41	466

10-Year Capital Plan

- Decrease of \$457 million in funding from the 2017 10-Year Plan, resulting from:
 - Greater 2017 cash flow resulting from \$615 million in PTIF projects
 - Reduced cash flow in 2027 that excludes \$296 million in capital needs that are currently unfunded

Key Change Drivers (Nine Common Years)

- Increase of \$466 million in funding over the nine common years (2018 – 2026)
 - Carry Forward Funding from 2017 to 2018 (\$194 million)
 - Increased Funding for Existing Capital Requirements (\$270 million)
 - Cash Flow Acceleration and Deferrals





**For 2018-2026, \$270M* is for changes to Existing Projects
Included major programs are:**

- \$172 million for Purchase of Subway Cars
- \$113 million for New Subway Maintenance & Storage Facility (Property Acquisition)
- \$ 35 million for Traction Power
- \$ 35 million for Streetcar Overhaul
- \$ 27 million for Fire Ventilation
- \$ 21 million for Surface Track
- \$ 19 million for Other Buildings and Structures
- \$ 17 million for TR Subway Car Overhaul
- \$ 12 million for Turnstile Replacement
- \$ 12 million for Bridges & Tunnels
- \$ 7 million for Yard & Roads
- \$ 16 million for other projects
- \$(99) million for ATC Resignalling (Line 2 BD)
- \$(45) million for Purchase of 360 Future WT Buses
- \$(25) million for Revenue Operations Facility
- \$(14) million for Information Technology
- \$ (9) million for Subway Track
- \$ (9) million for Purchase of Buses
- \$ (8) million for Bus Overhaul
- \$ (7) million for TR/T1 Rail Yard Accommodation

** Note: Net of carryforward of \$194 million*





Capital Funding Shortfall

\$97 million remaining net funding shortfall:

- \$113 million – New Subway Maintenance & Storage Facility (Property Acquisition)
- -\$16 million – Various other changes

Additional Capital Funding Options:

- Acceleration of Bus Orders leveraging PTIF funding
- Further Reduce 2018 Cash Flows based on 2017 Carry Forward Funding
- Development Charge Funding based on project eligibility
- Recoverable debt (when appropriate)
- Energy Loan (when appropriate)
- Review additional City funding capacity based on City-wide 2018 Budget reviews:
 - Draw from the Capital Financing Reserve (For One-Time Project Claim)
 - Increased Debt Funding in Outer Years





Capacity to Spend Reductions & 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	6.450
Above Current Affordabilit	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.097</u>
Shortfall	<u>2.367</u>	<u>2.679</u>	<u>2.435</u> *	<u>2.693</u> **

Note:

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

** After applying the capacity to spend reduction of \$420M the net shortfall is \$2.370B

*** Does not include additional confidential claim on existing project





Capacity-to-Spend Reductions

Project Description	Proposed Reductions										
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 to 2027
<i>Capacity to Spend Projects</i>											
Subway Track	-	-	6.4	7.8	5.6	5.7	5.8	5.9	6.0	6.2	49.5
Surface Track	-	-	3.7	4.3	4.7	4.9	4.2	4.8	5.7	5.9	38.3
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	61.2
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 Projects</i>	26.2	29.7	43.1	49.1	46.2	43.2	41.2	42.9	48.3	50.5	420.5

- Capacity to spend reductions 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.
- These reductions are consistent with Council budget directions
- Reductions were applied based on individual project performance and prior year spending rates.





Capacity-to-Spend Reductions and Unfunded Projects

Unfunded Projects											
(\$Millions)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	10-Year Total
Capacity to Spend (CTS) Reduction (Various Projects)	26	30	43	49	46	43	41	43	48	50	420
ATC Resignalling (Line 2)					18	17	18	19	19	20	112
Fire Ventilation Upgrades				2	50	47	29	21	13	0	162
Purchase of Buses			5	90	94	60	29	8	26	11	323
Purchase of 372 New Subway Cars					149	172	170	319	290	144	1,245
Ridership Growth for YUS and BD										70	70
Purchase of Streetcars	50		222	89							361
Total CTS Reduction and Unfunded Projects	76	30	270	231	358	339	288	410	396	296	2,693

- Long term funding strategy needs to be developed with City support to address the remaining \$2.693 billion in unfunded base capital requirements
 - \$2.273 billion in unfunded capital projects
 - \$420 million in capacity to spend reductions
- Future consideration will be required for an additional \$3.391 billion in capital needs (details available in Appendix 3)





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 (\$Millions)	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 & Vehicle	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 & Vehicle	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 & Vehicle	-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	





2019 Capital Budget Process





2019 Capital Budget Process

Continued/Enhance:

- Focus on PTIF Project Delivery
- Business case development and review
- Implementation of a Stage Gate approach to project approval
- Capacity to spend & project readiness to proceed reviews
- Prioritization of unfunded projects

Begin:

- Prioritize capital investments that yield operating efficiencies (i.e. Modernization, Energy Consumption, etc.)
- Re-establish anticipated operating impacts for all capital projects
- Identify temporary positions required for capital delivery for each project by year
- Greater focus on Capital Funding opportunities (i.e. Energy Loans, DC Funding, Recoverable Debt)





APPENDICES



Proposed 2018 - 2027 TTC Capital Budget and Plan



2018-2027 Capital Budget Funding Summary * For TTC BC Meeting - September 26, 2017 \$Millions

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
2017 to 2026 Council Approved Budget	1,413	1,099	812	556	374	396	367	339	385		5,741
Carry Forward	194										194
Change to Existing Projects	-26	58	328	381	589	319	257	405	356	638	3,305
New Projects	23	44	68	62	116	101	151	242	146	97	1,050
Net Change to 2018 to 2027 CB (from 2017 to 2026 CB)	191	102	396	444	705	419	408	647	501	735	4,549
2018-2027 Proposed Budget Request (Gross Ask)	1,605	1,201	1,208	1,000	1,079	816	775	986	886	735	10,290
Funding Sources											
Provincial Gas Tax	75	75	75	75	75	75	75	75	75	75	752
Canada Strategic Infrastructure Fund (CSIF) - Interest			16								16
Capital Reserve (Metrolinx)			58								58
204 LRV Funding	90	63									153
Total Provincial Funding	165	138	149	75	75	75	75	75	75	75	979
Base Federal Gas Tax - 5 cent (population)	167	167	167	167	167	167	167	167	167	167	1,674
Canada Strategic Infrastructure Fund (CSIF)											0
Public Transit Infrastructure Fund (PTIF) - Fed 50% **	222	56									279
Total Federal Funding	390	224	167	167	167	167	167	167	167	167	1,953
TTC Internal (depreciation)	29	18	12	13	10	12	9	11	19	18	152
Other Funding (LRV LDs)	2										2
Other Reserves / Funding Partners	2	2	2	2	2	2	2	2	2	2	18
Development Charges	131	63	64	63	63	41	27	28	7	10	499
Total Other Funding	164	83	78	79	74	55	38	40	28	30	670
City Debt Request (including City PTIF)	596	491	420	235	65	105	78	84	126	200	2,400
City Carryforward - Deferred Debt Issued	184										184
Other Funding (LRV LDs)											0
City Funding - Reserve Funds (Capital Financing Strategy)	70	157	38								264
Total City / Other Funding	1,015	731	535	313	139	160	116	125	154	230	3,518
Total Funding	1,570	1,093	851	556	382	402	359	367	397	473	6,450
Funding Shortfall/(Surplus)	35	109	357	444	697	413	416	619	490	262	3,840
Capacity to Spend Reduction	26	30	43	49	46	43	41	43	48	50	420
Existing Unfunded Projects	50	0	227	182	294	279	228	348	329	225	2,161
Unfunded Projects - New BD Line					18	17	18	19	19	20	112
Net Funding Shortfall/(Surplus)	-41	79	87	213	339	75	128	209	93	-35	1,147
New Projects	23	44	68	62	116	101	151	242	146	97	1,050
Net Funding Shortfall/(Surplus)	-64	35	18	151	224	-26	-23	-33	-53	-132	97

* This funding summary is undergoing review with City staff and is subject to change

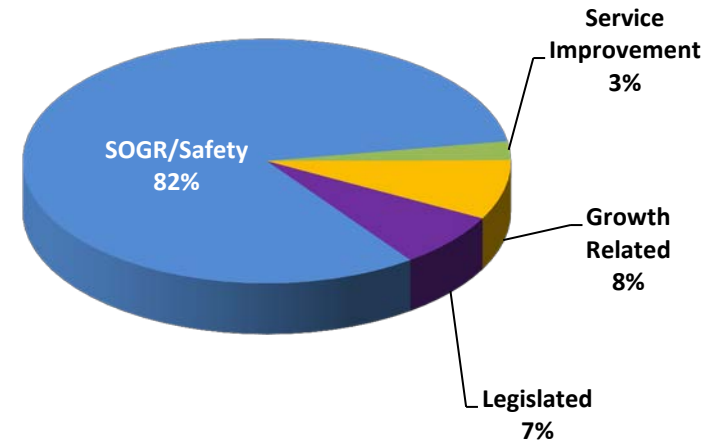




2018-2027 Base Capital Budget Requirement

Ten Year Capital Needs – By Category (\$Millions)

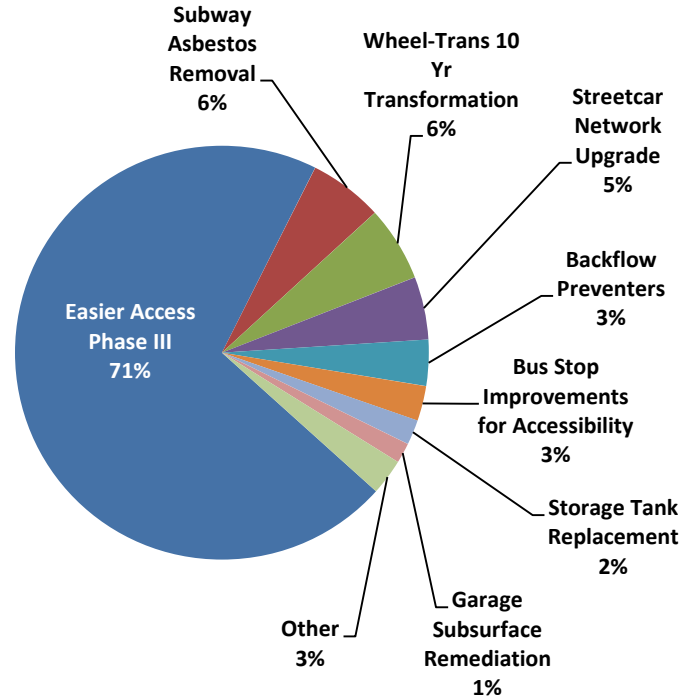
	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Legislated	80	588	668	7%
SOGR/Safety	1,226	6,387	7,613	82%
Service Improvement	61	169	230	3%
Growth Related	214	515	729	8%
<i>Total</i>	1,581	7,659	9,240	100%





LEGISLATED 2018-2027 (\$Millions)

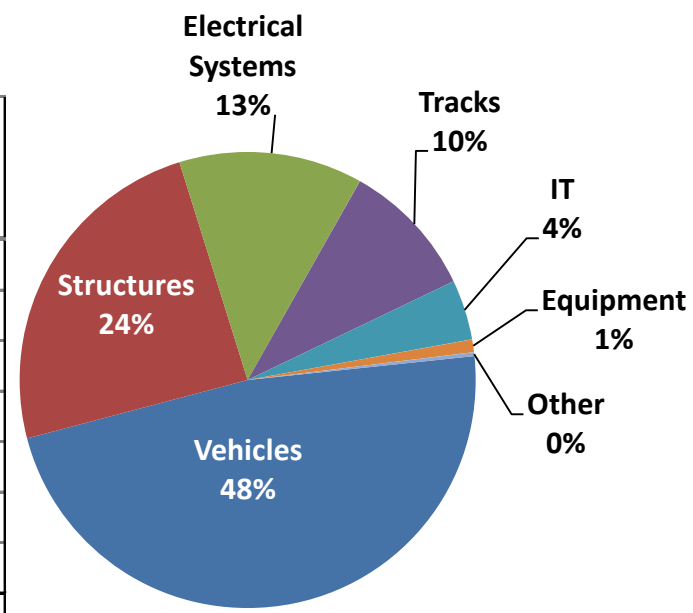
	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Easier Access Phase III	45	428	473	71%
Subway Asbestos Removal	3	35	38	6%
Wheel-Trans 10 Yr Transformation	11	28	39	6%
Streetcar Network Upgrade	2	31	33	5%
Backflow Preventers	1	23	24	3%
Bus Stop Improvements for Accessibility	4	14	18	3%
Storage Tank Replacement	3	10	13	2%
Garage Subsurface Remediation	2	9	11	1%
Other	9	10	19	3%
Total	80	588	668	100%





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

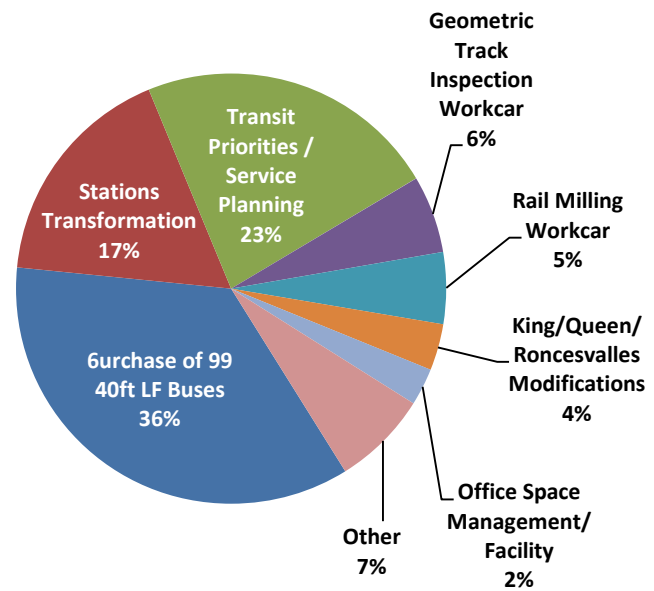
	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Vehicles	651	2,969	3,620	48%
Structures	225	1,625	1,850	24%
Electrical Systems	144	846	990	13%
Tracks	73	666	739	10%
IT	105	219	324	4%
Equipment	24	45	69	1%
Other	4	17	21	0%
Total	1,226	6,387	7,613	100%





SERVICE IMPROVEMENT 2018-2027 (\$Millions)

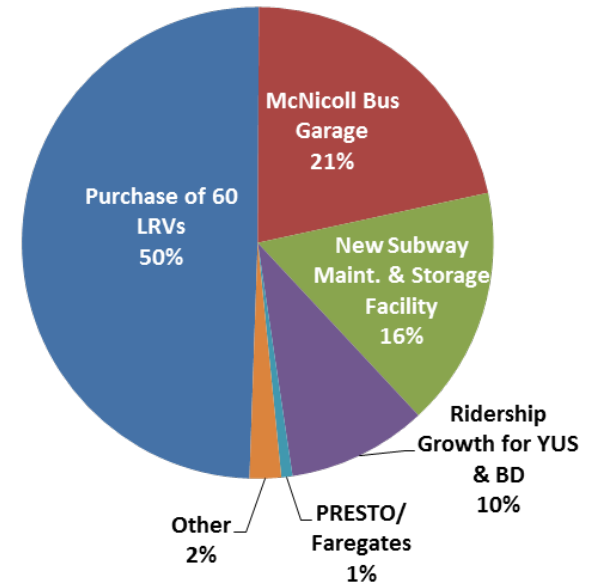
	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Purchase of 99 40ft LF Buses	17	65	82	36%
Stations Transformation	11	29	40	17%
Transit Priorities / Service Planning	12	40	52	23%
Geometric Track Inspection Workcar	5	8	13	6%
Rail Milling Workcar	1	11	12	5%
King/Queen/Roncesvalles Modifications	4	4	8	4%
Office Space Management/Facility	4	2	6	2%
Other	7	10	17	7%
Total	61	169	230	100%





GROWTH RELATED 2018-2027 (\$Millions)

	2018	2019 to 2027	2018 to 2027	Total 10 Year %
Purchase of 60 LRVs	50	311	361	50%
McNicoll Bus Garage	30	127	157	21%
New Subway Maint. & Storage Facility	120	0	120	16%
Ridership Growth for YUS & BD	0	70	70	10%
PRESTO/Faregates	6	0	6	1%
Other	8	7	15	2%
Total	214	515	729	100%





Additional Unfunded Projects

For 2018-2027, there is \$1.050 billion for New Projects including:

- \$612 million for Purchase of 549 Low Floor Buses
- \$ 97 million for CNG Facility Upgrade & Fuelling Station
- \$ 93 million for Davenport Garage Renewal
- \$ 71 million for Warden Redevelopment
- \$ 52 million for Greenwood Shop End of Life Replacement
- \$ 25 million for New Bus Technologies
- \$ 23 million for EAM Implementation Program
- \$ 20 million for Subway Bus Platform Ventilation Equipment Replacement
- \$ 18 million for Purchase of 60 Future Wheel-Trans Buses (8M)
- \$ 15 million for Station Tactile Wayfinding Upgrade
- \$ 8 million for Welding Ventilation Upgrades at all Garages
- \$ 5 million for SharePoint SOGR
- \$ 4 million for Hillcrest Track Replacement Expansion
- \$ 2 million for Enterprise Data SOGR
- \$ 5 million for Other Initiatives





Additional Unfunded Projects(Continued)

Scope Change to Existing Projects – Not included in the Base Program (\$128M)

- \$60 million for Fire Ventilation Upgrade
- \$22 million for Escalator Replacement Program
- \$15 million for LRV Carhouse Facility Renewal Program
- \$ 7 million for Subway Station Fire Alarm Modification
- \$ 6 million for Skylights Replacement Project
- \$ 4 million for Yonge Bloor Capacity Improvements
- \$ 3 million for Station Finish Renewal Program
- \$ 3 million for Elevator Overhaul
- \$ 2 million for Building Facility Renewal Program
- \$ 2 million for Bus Garage/Shops Facility Renewal Program
- \$ 1 million for Wheel Trans Facility Renewal Program
- \$ 1 million Replacement Lighting for Buildings/Garages/Shops/Carhouses
- \$ 1 million for Subway Pump Replacement Program
- \$ 1 million for Industrial Facility Requirements





Additional Unfunded Projects (Continued)

Projects for Future Consideration (\$2.216 Billion)

- \$1,027 million for Yonge Bloor Capacity Improvements
- \$348 million for Platform Edge Doors – Line 1 (YUS)
- \$317 million for New Davisville Facility Detail Design and Construction
- \$120 million for Station Modernization Program
- \$100 million for New Transit Control Centre
- \$ 79 million for Islington Station Improvements
- \$ 72 million for Lighting in Open Cut Subway Right of Way
- \$ 30 million for Bus Rapid Transit (BRT) Yonge Street from Finch Station to Steeles Avenue
- \$ 28 million for Culverts and East Don River Bridge
- \$ 26 million for McBrien Building Renovations
- \$ 19 million for Park Lawn Loop
- \$ 15 million for New Shelters
- \$ 10 million for Commuter Parking Expansion RGS Kipling and Islington Parking
- \$ 7 million for Transit Shelters & Loops
- \$ 7 million for Flash Butt Mobile Welding Car
- \$ 7 million Rail String Threading Car
- \$ 2 million for Electrical Substation Upgrade and Leak Remediation
- \$ 2 million for Surface AC and Lighting Upgrade

