
2020 CAPITAL BUDGET BRIEFING NOTE

Breakdown of Proposed Additional Vehicles in the Toronto Transit Commission's 2020-2029 Capital Budget & Plan

Issue/Background:

This Budget Briefing Note responds to the Budget Committee's request made at its meeting of January 17, 2020, for the Toronto Transit Commission (TTC) to provide a breakdown of the proposed expenditures on additional vehicles, including a breakdown by type and fuel source.

- At its meeting of January 27, 2020, the TTC Board adjusted their requested 2020-2029 Capital Budget & Plan for the TTC.
- The Plan was adjusted to incorporate key capital investment priorities to be funded with the additional \$4.23 billion in new capital funding identified following the TTC Board's December 16, 2019 approval, increasing TTC's overall 10-year Capital Plan to \$11.9 billion.
- As a result, TTC's 2020-2029 Capital Budget & Plan presented to the Budget Committee at its meeting of January 17, 2020 included:
 - Specific subway infrastructure and capacity improvement projects totalling \$3.09 billion; and
 - A \$1.14 billion allocation towards the refurbishment and procurement of additional vehicles, with the details subject to the TTC Board's consideration of an accelerated vehicle procurement plan at its January 27, 2020 meeting.
- \$1.14 billion in additional funding allocated to vehicle purchases through an accelerated vehicle procurement plan as itemized below:

New Subway Trains

- \$458 million, representing approximately 1/3 of the 10-year cost for 62 trains, to replace the legacy fleet of T1 trains on Line 2 required for delivery in 2026 through 2030, and which will require an additional \$122 million to fund the 1/3 cost between 2030 and 2034.

- \$165 million, representing approximately 1/3 of the total estimated cost of \$494 million towards procurement of 18 trains to meet growth in ridership demand on Line 1 required for delivery in 2026-2027.
- As a result of these investments in new trains, the budget includes a \$399 million reduction in the T1 (Subway Car) life extension overhaul program.

Bus and Wheel-Trans Buses

- \$772 million, with \$686 million representing approximately 1/3 of the estimated 10-year cost, towards the procurement of 614 of the 1,575 buses required; \$64 million for eBus charging system infrastructure; and \$22 million to fully fund the next 4 years of Wheel-Trans bus procurements or 232 of the 498 buses required.

New Streetcars

- The remaining \$140 million, representing approximately 1/3 of the total cost for the procurement of 60 new streetcars required to meet projected growth on streetcar routes until 2026.

Key Points:

The following is a summary of vehicle procurements required over the next 10 to 15 years:

- **Subway Trains:** 80 (6-car) trains needed between 2026 and 2030;
- **Buses and Wheel-Trans:** 1,575 buses and 498 Wheel-Trans buses needed in the 10-year budget window (and approximately 190 buses per year thereafter); and
- **Streetcars:** 60 additional streetcars needed immediately, but between likely to be delivered no earlier than 2022 through 2024.

The \$1.1 billion of the \$4.2 billion from the City Building Fund is 1/3 of the total funds for the required vehicle quantities above. The 1/3rd funding for new subway trains and additional streetcars requires additional funds to initiate procurement; however, this funding may be applied for the procurement of buses and wheel-trans buses in the quantities below.

10-Year Capital Budget & Plan		
Mode	Quantity	Fuel Type
Subway Trains	80	Electric
Buses	614	Hybrid-Electric: 249 Electric:365
Wheel-Trans Buses	232	Gasoline
Streetcar	60	Electric

In the event full funding is not forthcoming by late 2020 when vehicle procurement decisions are required, TTC staff will revisit its recommendations and report back on alternate strategies. As an example, the 1/3 of funding allocated for new subway trains may be reallocated to fund a life extension overhaul of the existing subway fleet.

Note: the \$1.1 billion fully covers the purchases of the first four years for the wheel-trans vehicle procurements (232 buses of the 498 required).

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