



Decision: Green Bus Technology Plan Update

At its meeting on June 12, 2018, the TTC Board adopted the recommendations in the staff report as follows:

It is recommended that:

1. Staff exercise contract options to increase the procurement quantity of eBuses from 30 to 60 and work with Toronto Hydro on the design and installation of associated charging infrastructure (i.e. chargers and energy storage system), revising the project budget from \$50 million to an estimated \$120 million based on the following:
 - a. Award of contract options will be based on negotiating an acceptable agreement satisfactory to the TTC General Counsel with suppliers of the 30 eBuses;
 - b. All 60 eBuses are to be delivered no later than March 31, 2020 in order to ensure that the buses are eligible for PTIF funding.
2. The Board delegate authority to the TTC CEO to work with Toronto Hydro in modifying one of TTC's bus garages to accommodate up to 300 zero emissions (or near zero emissions) buses through the supply of a substation and a backup generator for an estimated project cost of \$18 million based on the following:
 - a. Recognizing that procurement, installation, and commissioning of a substation takes approximately two and a half years, staff is to work within PTIF guidelines to capture as much of the substation procurement cost as possible prior to the March 31, 2020 deadline;
 - b. The backup generator is to be delivered no later than March 31, 2020 in order to ensure that it is eligible for PTIF funding.
3. Staff return to the TTC Board in Q1 of 2019 with an information report providing award details and a project status update with respect to Recommendation Nos. 1 and 2.
4. Staff conduct a garage-by-garage feasibility study at an estimated cost of \$2 million and return to the TTC Board in Q4 of 2019 outlining preliminary estimates for the total costs, benefits, and potential funding opportunities associated with the green bus plan.

The Board also adopted the following member motions:

1. Recognizing that the bus fleet plan addresses projected ridership to improve service and promote further ridership growth, staff is requested to advance a 9th garage.
2. TTC confirm its target for procurement of only zero emissions propulsion technology starting in 2025 and define zero emissions propulsion technology as fossil fuel free.