



**Massachusetts Bay
Transportation Authority**

Hybrid 40-foot Bus Procurement

Fiscal and Management Control Board

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Expanding peak service resources

- All of the Better Bus Project investments to date have been focused on **off-peak service improvements** (cost neutral changes, addition of new operators, service pilots, etc.)
- **Improving peak service** also is critical as **we do not meet our Service Delivery Policy** in many areas (e.g. frequency and crowding)
- MBTA has the opportunity to **expand our existing fleet size by 60 buses**, while still utilizing our current maintenance footprint
- This would allow the MBTA to **increase peak bus service by ~5%**. This service can be used for moving closer to meeting Service Delivery Policy, as well support for **Network Redesign Demonstration Projects**
- **Run-rate operating cost for these vehicles estimated to be ~\$15M of operating expense**



Overview

In line with the Authority's fleet plan, the Better Bus Project multi-year investment plan, and direction from the FMCB, procurement of an **additional sixty 40-foot diesel-electric hybrid buses** is required to deliver increased levels of service throughout Greater Boston.

- Work will be performed in accordance with Technical Specification VE14-041
- Production and delivery of the 60 advanced hybrid buses are anticipated to begin in June 2020 and be completed by the end of November 2020
- Production of these 60 buses will increase total fleet size



Background

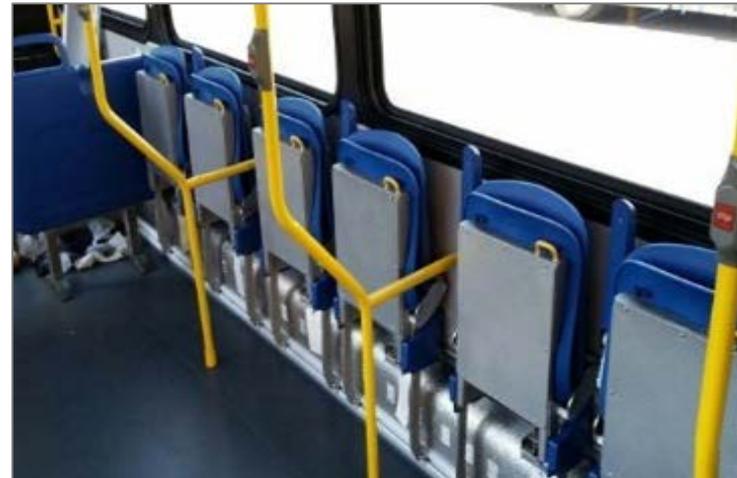
- MBTA current bus procurement with New Flyer Industries under Contract No. 679 was executed in 2015 for 325 40-foot buses
 - The base contract has been fully exercised (156 hybrid, 175 CNG buses)
 - The MBTA is currently taking delivery of remaining options for hybrid buses (194 hybrid buses)
- New Flyer's proposal under State of Virginia Contract E194-75548-MA2275 for 60 additional hybrid 40-foot buses
 - Technical configuration identical to the current production build of 194 buses



Justification

Exercising an order through the Virginia contract allows the MBTA to expedite procurement of 60 additional hybrid 40-foot buses to support immediate goals to provide enhanced service levels in the Greater Boston area.

- The time and effort required to complete technical documentation and solicitation process to execute a new contract for a limited number of buses are extensive.
- The Authority has successfully procured a substantial number of buses from New Flyer with similar or identical configuration.
- The MBTA would benefit from vehicle standardization, inventory simplicity, and commonality with existing MBTA fleets.
- Executing an order for identical buses already designed and approved allows the MBTA to forego a costly and time-consuming Design Review process.



Request of the Fiscal Management and Control Board

Vehicle Engineering requests that the Fiscal and Management Control Board authorize the General Manager, or his designee, to award and execute an order to **New Flyer Industries** through **existing Virginia Contract E194-75548-MA2275** to manufacture, furnish, and deliver sixty (60) new low-floor advanced hybrid buses with spares, training, training aids, specials tools, publications, and communications for a total delivered amount not to exceed **\$50,207,297**.

