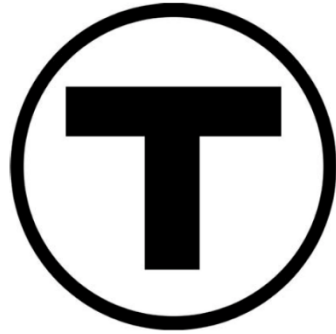




Massachusetts Bay Transportation Authority

65 40-foot Enhanced Electric Hybrid Bus Option Order

Presenter: William G. Wolfgang

Senior Director of Vehicle Engineering

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Summary and Purpose

MBTA continues to invest in new bus fleet procurements to meet service needs and to replace aging fleets with more efficient and reliable vehicles.

- New Bus Procurement Contract No. 712-22 with New Flyer Industries was executed in March 2022 for 160 new low-floor 40-foot Enhanced Electric Hybrid buses, with options for an additional 300 buses.
- This presentation defines the overall program and approach to procure 65 Enhanced Electric Hybrid buses. This procurement will occur in parallel with the scheduled retirement of New Flyer 2014 Hybrid fleet. The buses being replaced will be beyond the FTA minimum useful life of 12 years in 2028.
- MBTA will exercise available Contract Option to manufacture and deliver 65 Enhanced Electric Hybrid buses between spring and fall of 2028.



Enhanced Electric Hybrid Bus Fleets

- This procurement supports the Better Bus Project, Bus Network Redesign, and other Commonwealth's initiatives.
- Enhanced Electric Hybrid buses offer efficient, reliable, and service proven technology to replace aging buses, helping to maintain overall state of good repair for the MBTA.
- Enhanced Electric Hybrid technology reduces tailpipe emissions and improves air quality in our communities, without requiring additional infrastructure investment.
- Notable features include:
 - Industry leading safety features
 - Cummins B7.2-liter engine with 2027 EPA and CARB compliance
 - No range limitations
 - Meets or exceeds ADA accommodation requirements
 - Enhanced driver's security barrier to promote operator safety
 - Dual passenger information screens
 - Mobileye advanced driver assistance system
 - Geofencing capability, start-stop, arrive and go, and extended electric vehicle mode (EEVM)



Project Timeline

- Board Award 65 New Flyer 40-foot EEH Option
- Vehicle Design Review Activities
- Vehicle Deliveries Begins
- Vehicle Deliveries Concludes

Today

Winter 2027

Spring 2028

Fall 2028



Request of the MBTA Board of Directors

The total estimated budget for this project is as follows:

• Material Procurement	\$78,895,391.25
• Capital Spares	\$2,036,238.19
• Training	\$267,414.00
• Training Aids	\$1,000,000.00
• Special Tools	\$1,657,555.00
• Force Account	\$600,000.00
• Project Administration	\$3,548,701.15
• Professional Services	\$1,709,025.00
• Contingency	\$2,969,714.38

Estimated total budget: **\$92,720,038.97**

Note:

MBTA was awarded \$78,566,512 in funding from the Federal Transit Administration FY25 Low- and No-Emissions Grant Program in support of this EEH bus fleet procurement.



Recommendation to the MBTA Board

VOTED:

- To recommend that the Board authorize the General Manager, or his designee, to award and execute Option 1 of Formal Contract No. 712-22 to New Flyer of America Inc. to manufacture and deliver **65 new low floor 40-foot Enhanced Electric Hybrid Buses with capital spares, training, training aids, special tools, and publications** for a total delivered amount not to exceed \$83,856,598.44

FURTHER VOTED:

- To recommend that the Board authorize the General Manager, or his designee, to execute any necessary or ancillary documents effectuate this 65 40-foot Enhanced Electric Hybrid Bus procurement in accordance with the terms of the Agreement.

