



Massachusetts Bay Transportation Authority

Silver Line Bus Update: Current and Future Vehicle Investments

June 5, 2017



Overview

The MBTA is making progress on efforts to rehabilitate of the current fleet and its planning effort for the future of the service.

This presentation will update the Board on the following:

- The Current Silver Line Fleet
- Dual Mode Articulated (DMA) Bus Delivery Schedule
- Future Bus Technologies



The Fleet

	Vehicle	Propulsion
Surface Routes SL4 and SL5	21 --New Flyer 60ft hybrid buses	Diesel hybrid
Transit Way Tunnel Routes SL1 and SL2	32 -- Dual Mode Articulated (DMA)	All electric with off-wire capability using diesel engine



New Flyer 60ft Hybrid Bus



Dual Mode Articulated (DMA) Bus Delivery Schedule

The MBTA executed Change Order No. 1 to increase program resources, revise the production schedule, and order additional material. Notice to Proceed was provided to Maine Military Authority (MMA) on April 11, 2017.

- The First bus was delivered on **May 24, 2017**
- MMA's production schedule is on target to deliver 1 bus every 2.5 weeks.
- MMA's schedule indicates all 32 buses will be returned to the MBTA by **May 2018**



1st bus returned (ahead of schedule)



DMA Bus in-process of being overhauled



Future Bus Technologies

- Staff continues to work with partners to introduce new technologies that will improve performance and reliability for Silver Line Customers.
- In partnership with Massport, staff is working to insure the future bus fleets is well suited for use in the Silver Line Transit Way Tunnel:
 - “Engine-off” vehicle for use in the 2.2 mile zero emissions Transit Way Tunnel
 - All electric vehicle, capable of in-route rapid charge battery technology
 - Introduction of geofencing technology to support automated engine engagement