



Metro

Los Angeles County  
Metropolitan Transportation  
Authority  
One Gateway Plaza  
3rd Floor Board Room  
Los Angeles, CA

## Board Report

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**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE  
OCTOBER 20, 2016**

**RECEIVE oral report on System Safety, Security and Operations, update on Metro Bus Buy.**

**ITEM 25**



**October 20, 2016  
COO Report  
Bus Procurement Updates**



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# Overview of Existing Metro Bus Fleet

Bus Type	Series	Delivery	Quantity
40' CNG	3850 New Flyer	2015-2016	350
40' CNG	5600 New Flyer	2014-2015	550
45' Compo CNG	8100 NABI	2008-2012	539
60' Articulated CNG	9200 NABI	2005-2008	389
45' Compo CNG	8000 NABI	2003-2004	100
40' CNG	7000 NABI	2001-2004	311
40' CNG	5000 New Flyer	2001	121
<b>Total Active Fleet</b>			<b>2360*</b>

**Average Bus Fleet Age: 7.6 Years**

Source: Metro Bus Assignment Report, October 2016

\* Includes buses in Make Ready, and assigned to Contract Services

# 900<sup>th</sup> New Flyer 40' CNG Bus



Bus 4199 finishing final assembly at New Flyer, Ontario CA

- Bus 4199, last bus of 900 New Flyer bus order, will be delivered the week of October 24, 2016
- Highest reliability in Metro Bus Fleet (MMBF)
- Enhanced ADA Amenities including Q'Pod securement system, additional space for ADA passengers.
- 2016 Metro Magazine award for “Best Transit Technology Innovation” for dashboard diagnostic touchscreen

# Bus Manufacturing and Acceptance Process



- Initial bus structural assembly starts in St. Cloud, MN.
- Buses driven 1,850 miles to New Flyer facility in Ontario, CA
- Final assembly in Ontario, CA includes installation of passenger seating, stanchions, operator barriers.
- Final acceptance inspections conducted by Metro staff.
- Buses delivered and released for “Make Ready” work (farebox and radio system installation, logging each bus into Metro radio communication and tracking systems).

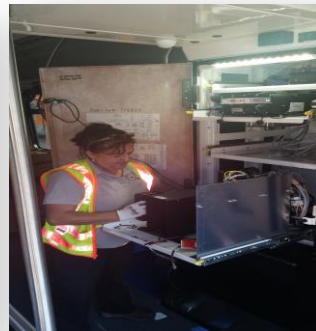


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# New Bus Procurement Update

- RFP underway for up to 1000 40' and 60' buses
  - RFP released July 29, 2016
  - Black-Out period in force
  - Up to 400 articulated 60' buses
  - Up to 600 conventional 40' buses
  - Up to 100 40' and 100 60' buses (200 buses in total) may be Zero Emission (ZE) battery electric buses
- Multiple vendors are interested
  - 59 firms are in the plan-holders list that have downloaded the RFP
  - Proposals for 40' and 60' CNG buses now due November 2016
  - Proposals for 40' and 60' ZE battery/electric buses now due January 2017



# New Bus Procurement Update

- **CNG Buses (40' and 60')**
  - Award recommendation(s) expected in Feb/March 2017
- **ZEB Battery Electric Buses (40' and 60')**
  - Award recommendations for expected in April 2017

