

# North American LRV/Streetcar Procurements ... since we last met

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13<sup>th</sup> National Light Rail & Streetcar Conference



# Information Presented

- Agency
- Carbuilder
- Car length
- % Low Floor
- Total fixed seats (+ folding seats)
- Purchase quantity
- Unit price (less spares, special tools and test equipment)
- Delivery/in-service year(s)

North American LRV/Streetcar  
Procurements ... since we last met

# Light Rail Vehicles



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# Boston

- MBTA
- CAF
- 72' (21.9m)
- 70% Low Floor
- 44 seats (+ 6)
- 24 cars
- \$4.7M
- 2017-19



# Calgary

- C-Train
- Siemens
- 84.8' (24.8m)
- High Floor
- 60 seats
- 63 cars
- \$3.1M
- 2015-16



# Minneapolis

- Metro
- Siemens
- 94' (28.5m)
- 70% Low Floor
- 56 seats (+ 4)
- 5 cars
- \$4M
- 2017



# Ottawa

- City of Ottawa
- Alstom
- 160.8' (49m)
- 100% Low Floor
- 104 seats (+16)
- 34 cars
- \$ n/a (DBM)
- 2017-18



# San Francisco

- SFMTA
- Siemens
- 75' (22.9m)
- High Floor
- 52 seats (+ 8)
- 175            40
- \$3.3M        \$3.4M
- 2017-28     2018-19





# Waterloo

- Region of Waterloo
- Bombardier
- 101' (30.8m)
- 100% Low Floor
- 56 seats (+ 4)
- 14
- \$ TBD  
(Metrolinx option)
- 2017



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# Streetcars



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# El Paso

- Camino Real Regional Mobility Authority
- Brookville
- 46.5' (14.2m)
- High Floor
- 41-44 seats
- 6 (+1) cars
- \$3.0M
- 2018



# Dallas

- City of Dallas/DART
- Brookville
- 66.9' (20.4m)
- 70% Low Floor
- 30 seats (+ 4)
- 2 cars (option)
- \$3.5M
- 2016

Onboard Energy Storage



# Detroit

- M-1 Rail
- Brookville
- 66.9' (20.4m)
- 70% Low Floor
- 28 seats (+ 4)
- 6 cars
- \$4.9M
- 2016-17

Onboard Energy Storage



# Kansas City

- City of Kansas City
- CAF
- 77.7' (23.6m)
- 100% Low Floor
- 32 seats (+ 6)
- 4
- \$3.6M  
(Cincinnati option)
- 2015-16



# Milwaukee

- City of Milwaukee
- Brookville
- 66.9' (20.4m)
- 70% Low Floor
- 32 seats (+ 4)
- 4 (+20) cars
- \$3.8M
- 2017-18



# Oklahoma City

- Oklahoma City
- Brookville
- 66.9' (20.4m)
- 70% Low Floor
- 30 seats (+ 4)
- 5 (+8)
- \$ not avlbl. yet
- 2017-18

Onboard Energy Storage





# What's Next?

## Light Rail Vehicles

Baltimore - Purple Line PPP (~58)

Edmonton - Valley Line PPP (~30)

Hamilton (~22)

Minneapolis (27+50)

Norfolk (4)

Seattle (122+30)

Durham-Orange (~12)

... more?

# What's Next?

## Streetcars

Fort Lauderdale (5 – w/onboard energy storage)



# What's Next?

## Streetcars

Charlotte (6-8 – w/onboard energy storage)



# What's Next?

## More Streetcars

Atlanta

Orange Cty, CA

Seattle

Columbus

Philadelphia

Tacoma

Grand Rapids

Providence

Tampa

Los Angeles

St. Paul

Tempe

Minneapolis

Salt Lake City

Washington, DC

Miami/

Sacramento/

Others?

Miami Beach

West Sacramento

# Summary

- Major fleet replacement for San Francisco  
(Philadelphia next?)
- More 100% low floor cars  
(Kansas City, Ottawa, others?)
- More streetcars w/onboard energy storage  
(Charlotte, Dallas, Detroit, Fort Lauderdale, Oklahoma City, others?)
- Several procurements by PPP/DBM  
(MDMTA Purple Line, Edmonton, Ottawa, others?)
- Numerous potential streetcar projects

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## *Thank You!*

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