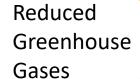
September 27, 2021 Board of Directors Meeting

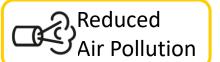
Benefits of Electrification

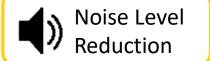
Reduced

Fuel Costs









Background

- FY19 announced transition to zero emission
- FY20 constructed electric bus charging facility at North Ops and launched 12 electric bus fleet
- FY22 FY26 Fleet Plan* includes
 136 fixed route fleet electric buses
 65 MetroRapid electric buses
- Charging strategy under analysis and will include both depot charging and on-route
- Long Range Fleet Transition Plan under development and will roadmap through 2035







Electric Fleet Performance

Vehicle Size	Driven [miles]	Efficiency [kWh/mi]	Average Trip [miles]	Average Max [miles]
40-foot	208,500	2.14	114	185
60-foot	28,100	3.44	95	139

Beneficial Reductions	Savings		
Diesel fuel	62,500 gallons		
Carbon Dioxide (CO2)	700 tons		
Oxides of Nitrogen (NOx)	2,300 lbs.		
Particulate Matter (PM)	58 lbs.		

Accomplishments

240 Drivers Trained

Demonstrated Charger Interoperability

Assisted in Texas A&M Charger Commissioning

Challenges

Day to Day Logistics

Assigning Blocks * Handling State of Charge * Altering Overnight Routine

Innovative Propulsion Technologies

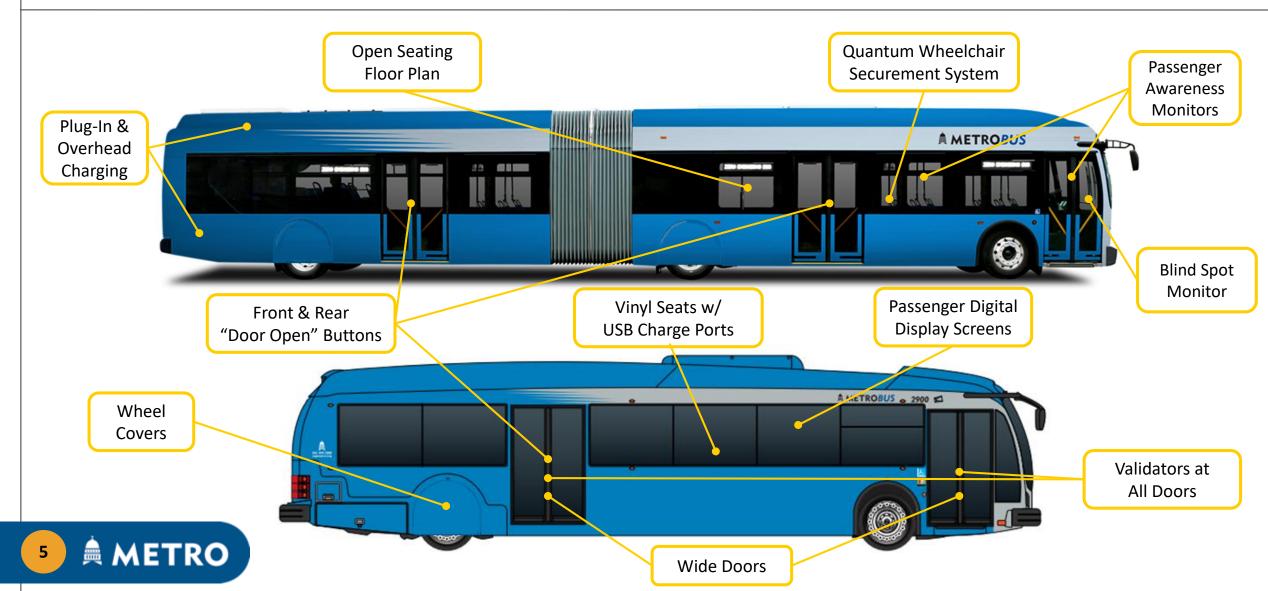
Battery Pack Imbalance * Traction Motor Shaft

Innovative Auxiliary Systems

Electric Doors * Electric A/C * Electric Steering



Vehicle Features



Contract Vehicles

By Size	Quantity		
40-foot Electric Bus	178		
60-foot Electric Bus	19		
Total	197		

By Service	Fixed Route Replacement	MetroRapid Expansion	
40-foot Electric Bus	118	60	
60-foot Electric Bus	14	5	
Total	132	65	

Base & Options	Base Award	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
40-foot Electric Bus	52	40	11	52		18	5
60-foot Electric Bus	4			2	8		5



+ Options: Chargers, staff training and warranties

Board Action

Contract Category	SOGR	PC Expansion	Contract	
Base Award	\$ 19,192,497	\$ 33,850,149	\$ 53,042,646	
Vehicle Options	\$ 108,157,200	\$ 27,932,700	\$ <u>136,089,900</u>	
Subtotal – Vehicles	\$ 127,349,697	\$ 61,782,849	\$ 189,132,546	
Chargers, staff training, warranties			\$65,851,544	
Total Contract			\$254,984,090	

- The contracts exceed current CIP budget in order to allow flexibility for future charger purchases
- Allows flexibility to provide both depot and overhead chargers
- Options will not be exercised unless funding is included in Board-approved budget

*Vehicle pricing shown is for base vehicle. Additional budget is allocated for final configuration changes, such as fare equipment, Wi-Fi routers, etc.

