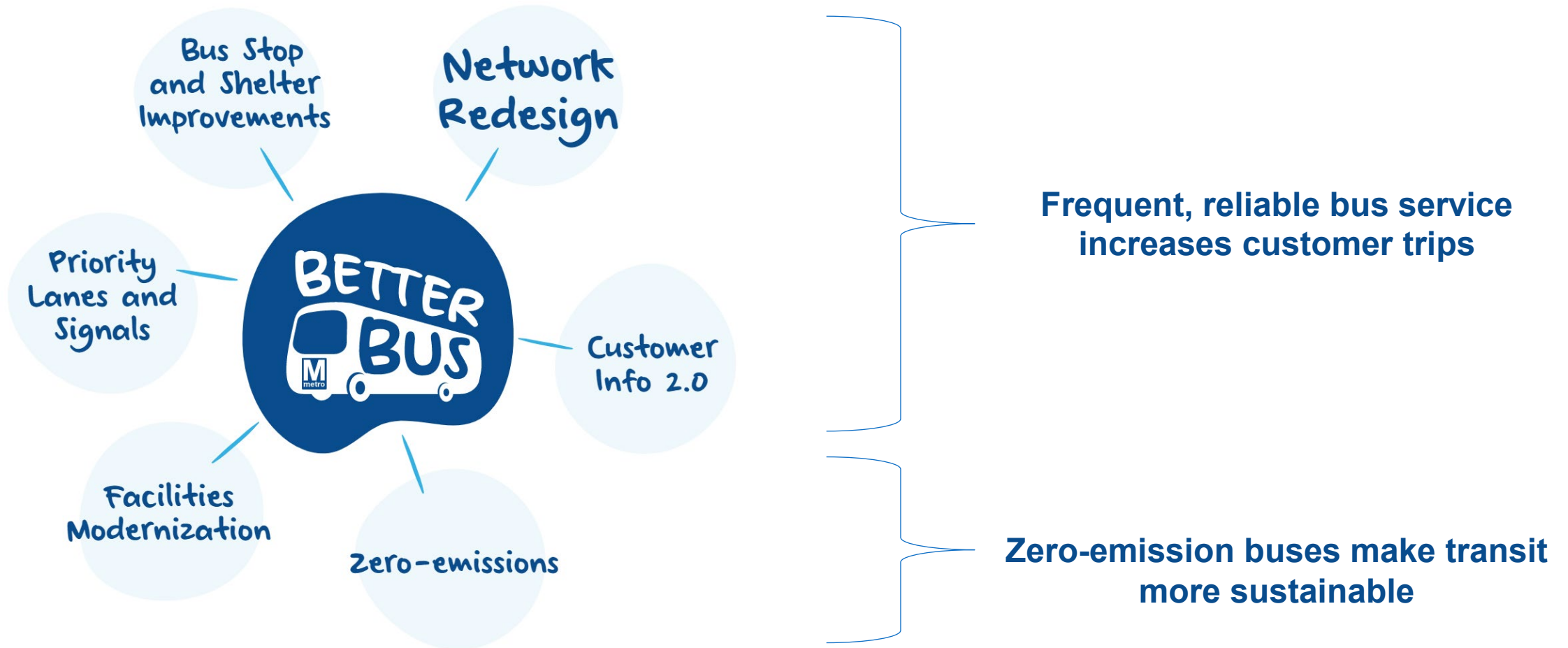


Metro's Zero-Emission Bus Transition

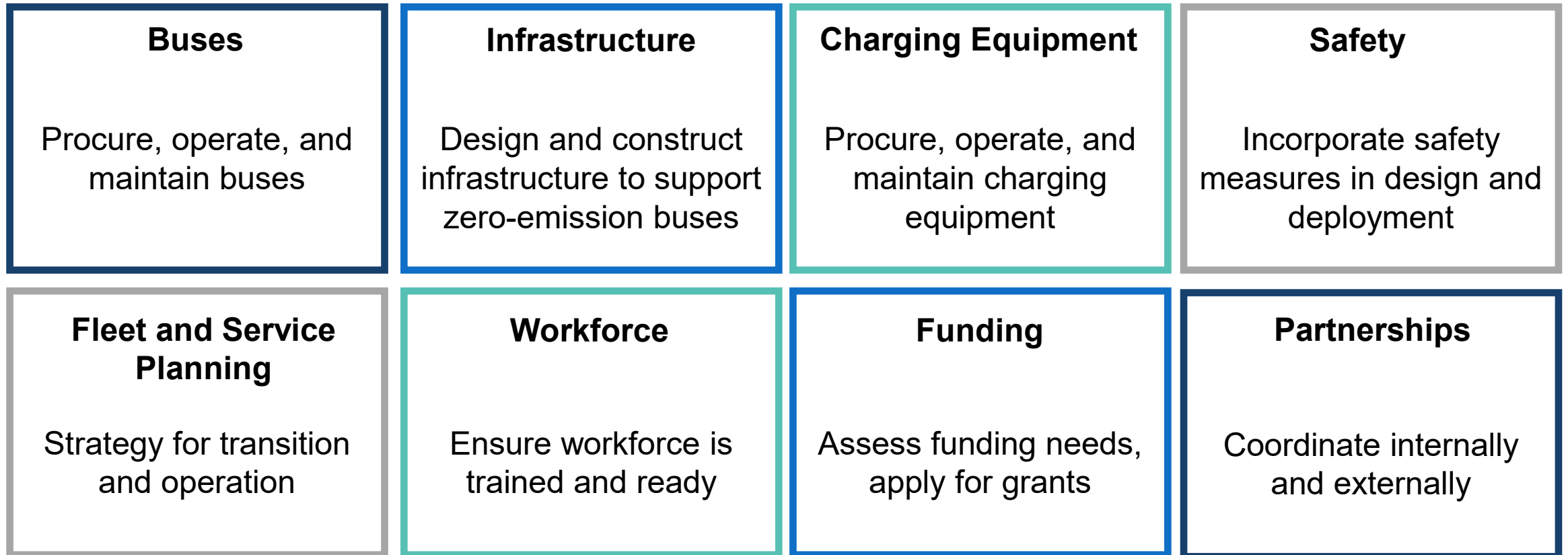
Amy Mesrobian
Director, Zero-Emission Vehicles, WMATA
DC Commission on Climate Change & Resiliency
March 14, 2024



Metrobus Helps Meet the Region's Climate Goals



Zero-Emission Bus Transition Requires Coordinated Action



Metro's Zero-Emission Bus Program Activities Underway

- First ZEB Transition Plan completed
- Preparing facilities for ZEBs
 - Northern, Bladensburg in design & construction
- 2 BEBs in service, addl procurement underway
- \$104M FTA Low-No grant awarded
- Regional Coordination
 - Utilities
 - Transit partners
 - First responders

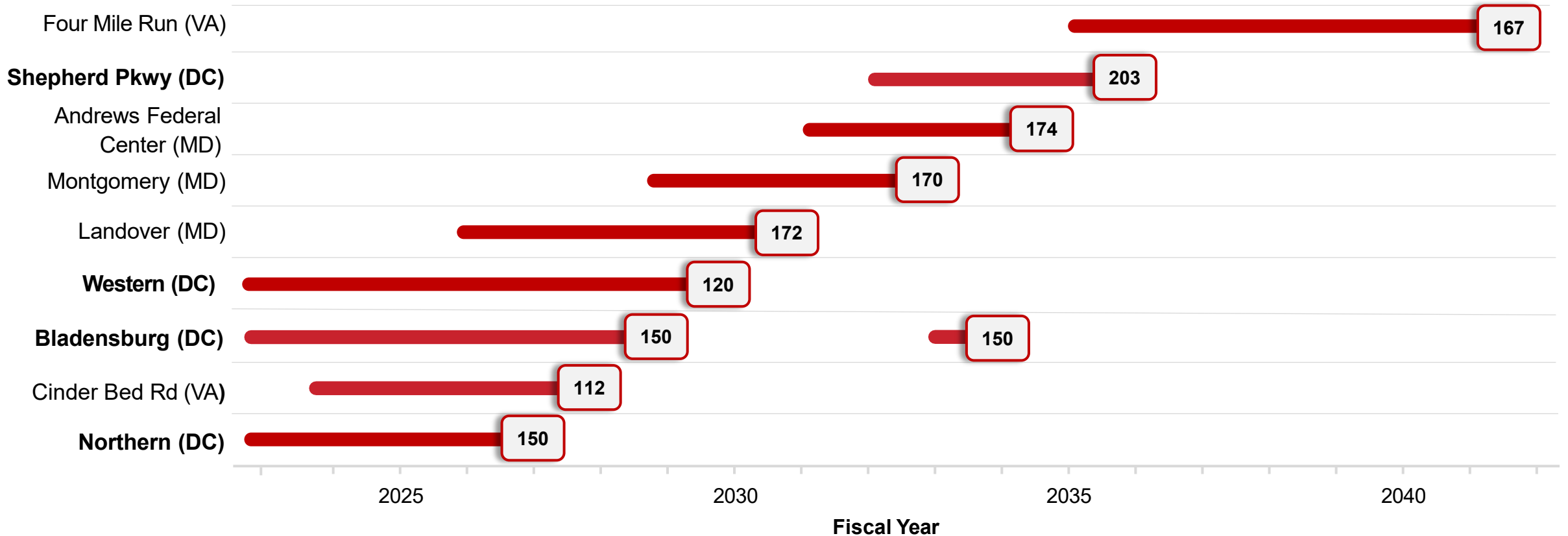
Metro's ZEB goals

- 100% ZEB purchases by 2027
- 100% ZEB fleet by 2042



Metro's first battery-electric bus on display

Metro Plans to Convert 9 Bus Divisions across DMV by 2042*



*Initial plan for converting 9 Metro Bus Divisions to support nearly 1,600 ZEBs. Current funding constraints put future bus procurements and garage conversions at risk.

█ Design, Procurement & Construction
Battery-Electric Bus Facility Opening Date & Approx. Capacity



Initial Deployment from Shepherd Parkway Bus Division

ZEB Deployment Phase 1 includes:

- 12 battery-electric buses
 - Two 60' buses in service
 - Ten 40' buses expected in 2024-2025
- Charging equipment and infrastructure
- New training and SOPs
- Project safety certification
- Route modeling
 - Deploy first two BEBs on W4 route in DC



Overhead pantograph at Shepherd Parkway



Charger cabinets at Shepherd Parkway



Metro's new battery-electric bus

Metro Awarded \$104 Million Low or No Emission Vehicle Grant

- Received FTA's largest award of FY 2023 Low-No funding
- Funding supports:
 - Bus procurements
 - Conversion of Cinder Bed Facility in partnership with Fairfax County
 - Workforce development and training



FTA Deputy Administrator Veronica Vanterpool delivered the grant award

Questions / Discussion

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www.wmata.com/initiatives/plans/zero-emission-buses.cfm