



# METRO Gold Line BRT

Transportation Committee, Business Item 2023-121 SW

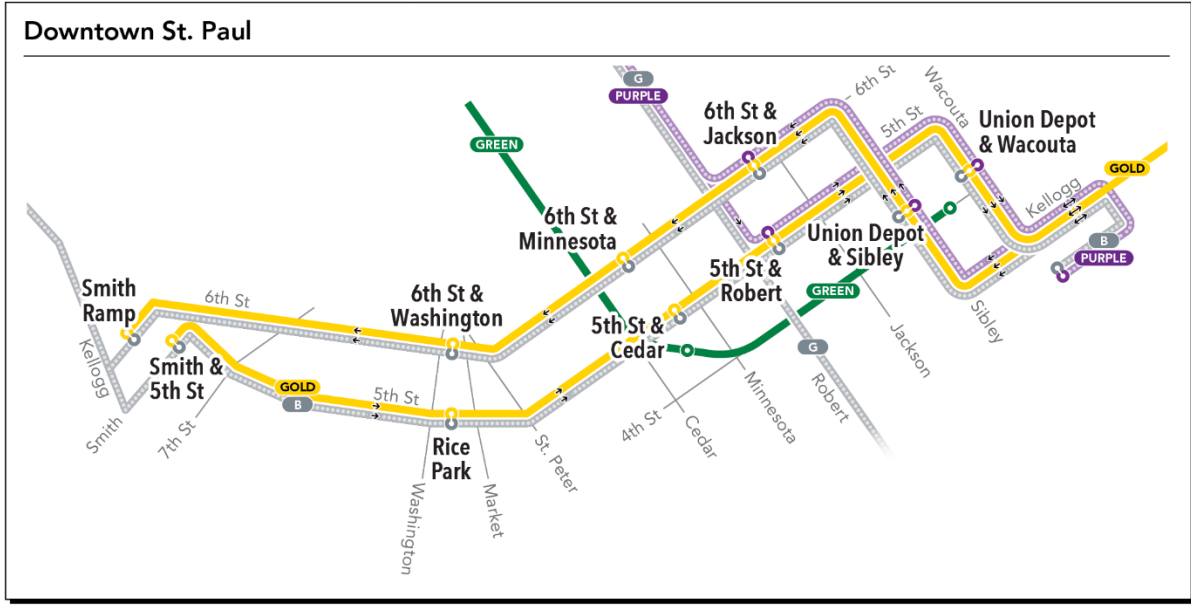
Jeremiah Riter (he/him) – Bus Maintenance Assistant Director

Carrie Desmond (she/her) – Electric Bus Infrastructure Manager



## Gold Line Overview:

- Frequent, all-day service operating primarily in bus-only lanes
- Budget: \$505.3 million
- 10-miles & 16 new stations
- 17 BRT-branded 60' buses (12 diesel, 5 electric)
- BRT upgrades to existing East Metro Garage in St. Paul
- 3 surface park-and-rides and 1 parking structure
- 8 grade-separated BRT crossings



	METRO Gold Line (Bus Rapid Transit)
	Park & Ride Lot
<b>Current METRO lines</b>	
	Green Line (Light Rail)
<b>Planned METRO lines</b>	
	Purple Line (Bus Rapid Transit)
	B, G & H lines (Bus Rapid Transit)

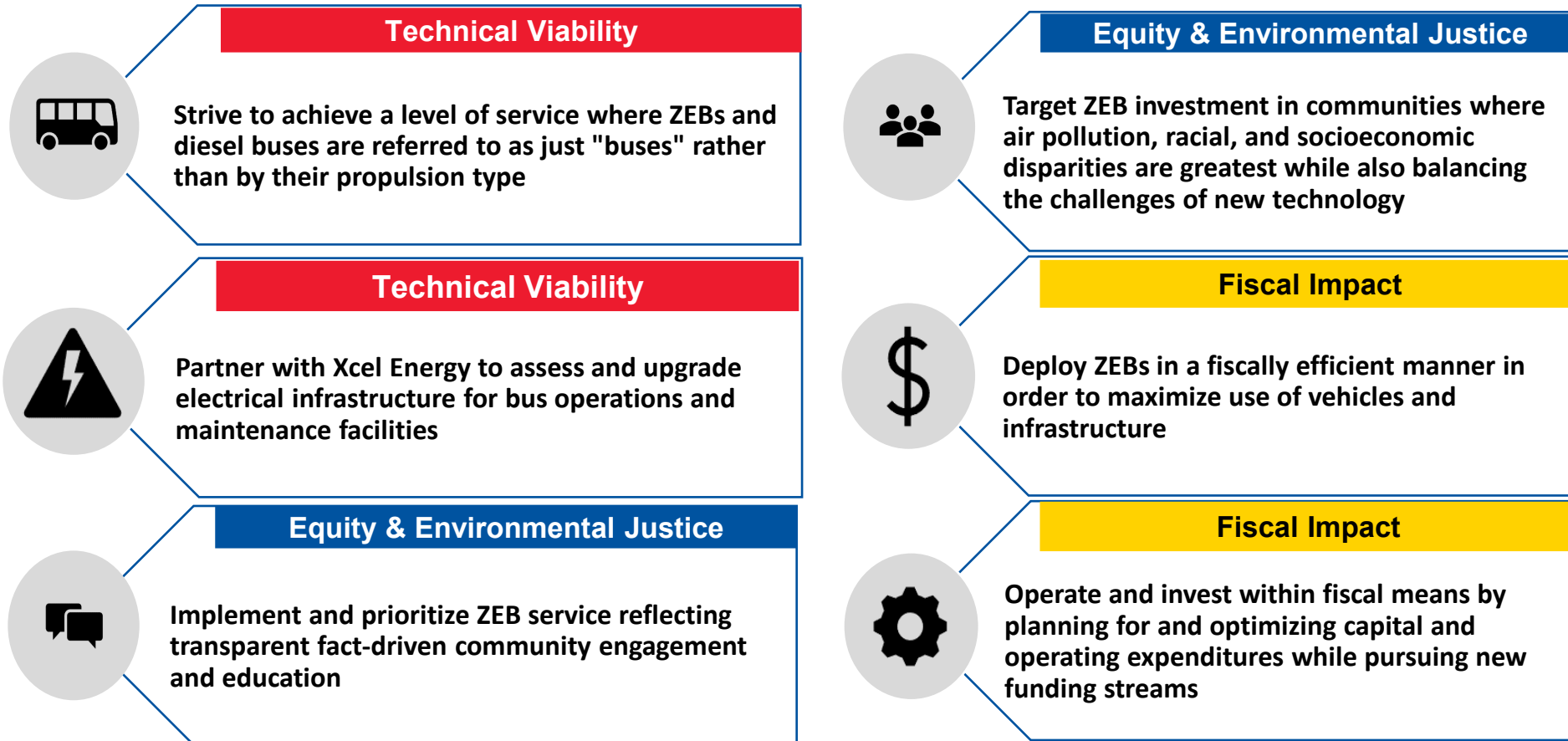
# Fleet and Route Considerations

- **Price:**
  - Actual diesel bus price \$998,363.18, estimated electric bus price \$1.9M
- **Range (from full tank/charge):**
  - Average diesel bus range 385 miles, estimated electric bus usable range 91 miles
- **Route Considerations:**
  - Service will be provided by a combination of diesel and electric buses
  - Service plan includes 5 electric buses and 12 diesel buses
  - Based on range, Electric buses will be planned for 9 trips per day, diesel buses closer to 38
  - Goal is to continue to gain experience as described in our Zero Emission Bus Transition Plan

# New Flyer 60-foot Electric Bus



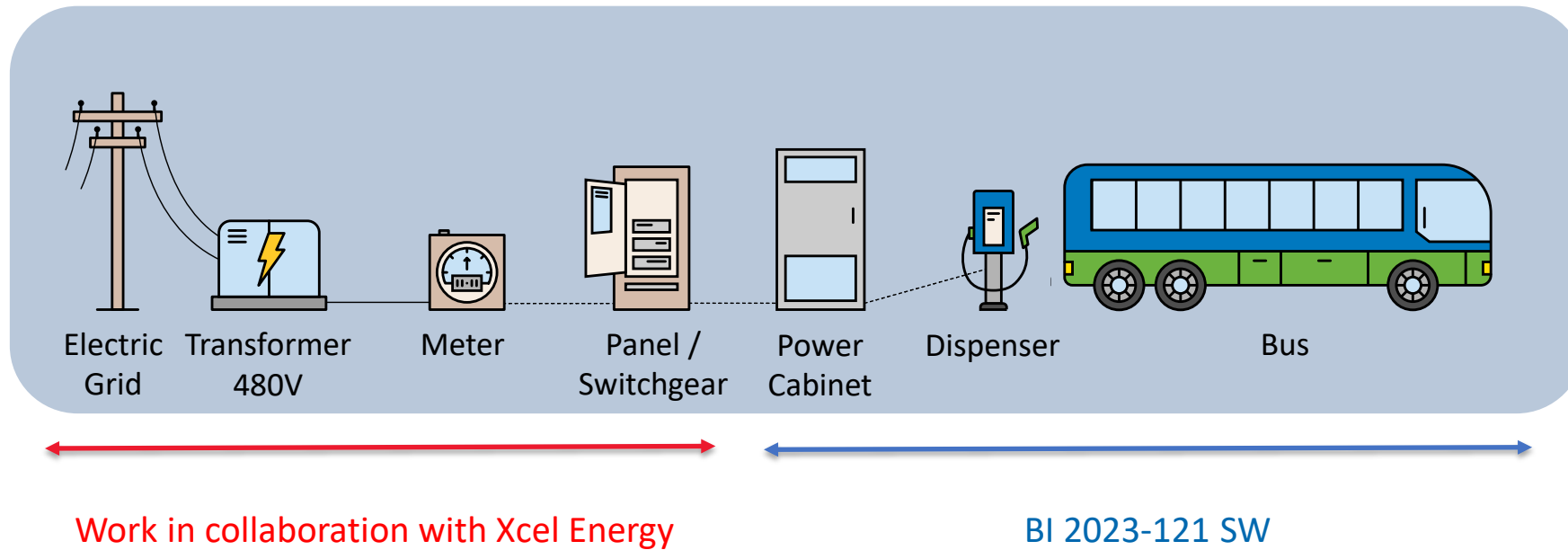
# Zero-Emission Bus (ZEB) Transition Plan Guiding Principles



# Transition Milestones & Vehicle Procurements

- **Vehicle procurement target:**
  - Gold Line: (5) 60-foot electric buses
  - Between 2022 and 2027, at least 20% of Metro Transit 40' bus replacement purchases will be electric.
- **Performance Measure Reporting** – Update the Council on performance of the ZEB fleet and infrastructure at least once per year.
- **Community Engagement** – Host public engagement activities at least once per year on ZEBTP progress.
- **Budget Planning** – Update the capital and operating plans annually based on ZEB fleet and infrastructure performance.
- **Continuous Improvement** – Strive to not only meet but exceed all ZEBTP milestones and performance measures.

# BEB Charging Infrastructure & Electric Bus



# Procurement Facts

- Utilized State of Washington Cooperative Purchasing Venture
- Benefits for utilization include:
  - Saves Time
  - Reduces costs
  - Connects with top suppliers
  - Delivers Value
  - FTA compliant
- Authorization





# Action: BI 2023-121 SW: Gold Line Bus Rapid Transit Electric Bus and Charger Purchase

- That the Metropolitan Council authorize the Regional Administrator to exercise bus purchase options utilizing the State of Washington's Master Contract 06719-01 with New Flyer of America Inc. to purchase five sixty-foot electric buses and five electric bus chargers for the METRO Gold Line Bus Rapid Transit project in an amount not to exceed \$10,844,000.