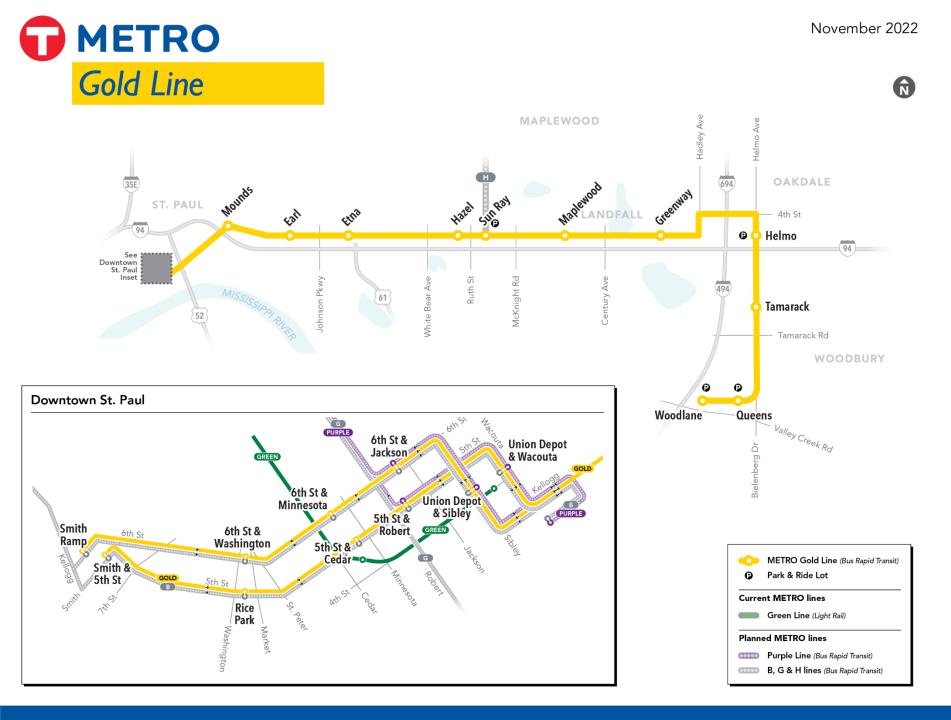


METRO Gold Line BRT

Transportation Committee, Business Item 2023-121 SW

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

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



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

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

Technical Viability

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Strive to achieve a level of service where ZEBs and diesel buses are referred to as just "buses" rather than by their propulsion type

Technical Viability

Partner with Xcel Energy to assess and upgrade electrical infrastructure for bus operations and

maintenance facilities

Equity & Environmental Justice

Fiq

Implement and prioritize ZEB service reflecting transparent fact-driven community engagement and education

Equity & Environmental Justice

Target ZEB investment in communities where air pollution, racial, and socioeconomic disparities are greatest while also balancing the challenges of new technology

Fiscal Impact



Deploy ZEBs in a fiscally efficient manner in order to maximize use of vehicles and infrastructure

Fiscal Impact

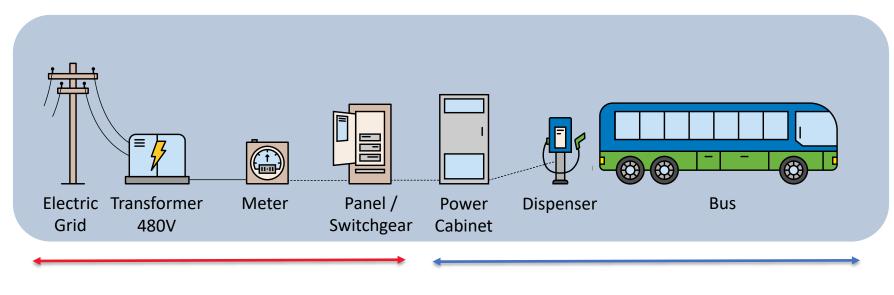


Operate and invest within fiscal means by planning for and optimizing capital and operating expenditures while pursuing new funding streams

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



Work in collaboration with Xcel Energy

BI 2023-121 SW

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.

