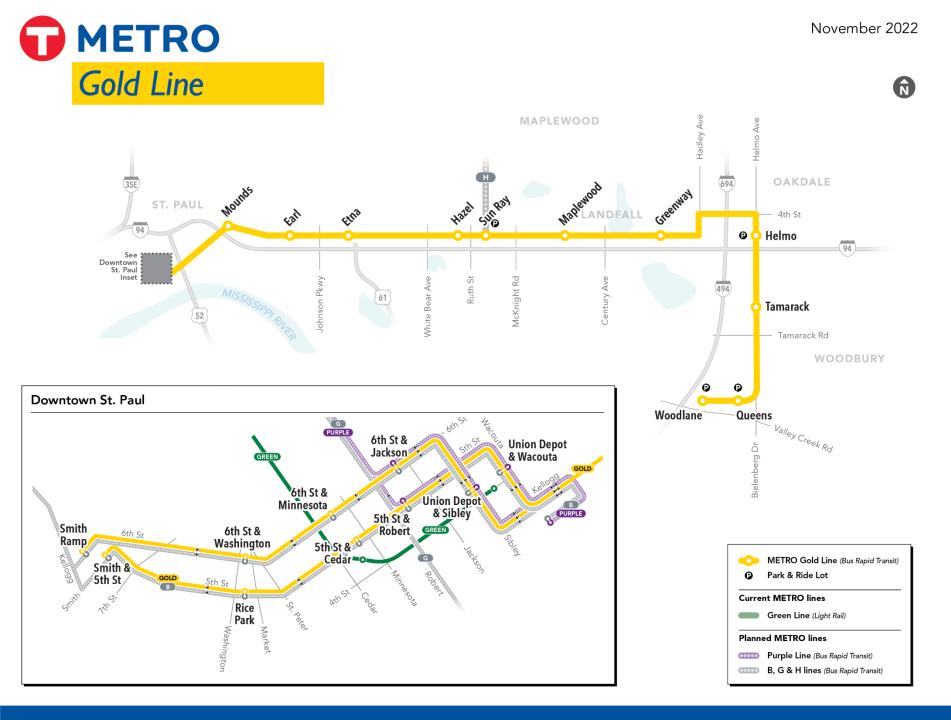


# **METRO Gold Line BRT**

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

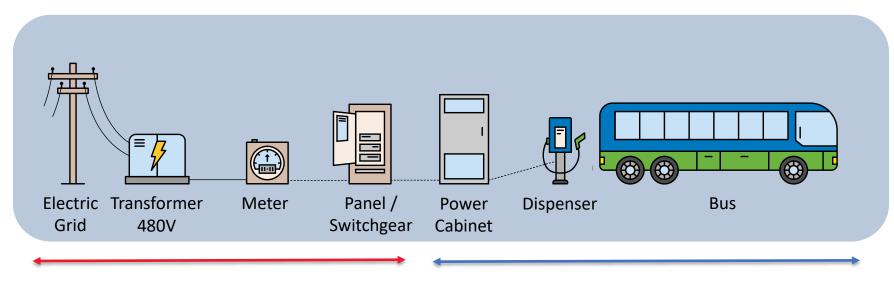


Operate and invest within fiscal means by planning for and optimizing capital and operating expenditures while pursuing new funding streams

### **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.

