



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: October 17, 2022

Re: Authorizing the Purchase of five Electric Buses for the City of Columbia GoCOMO fleet

Executive Summary

Staff is requesting Council authorize the purchase of five (5) additional electric buses to replace five (5) diesel buses that are beyond their usable life.

Discussion

GoCOMO has been awarded an annual FTA vehicle replacement grant and a Low or No Emission vehicle grant that will allow the purchase of an additional five (5) BYD brand 35 feet extended range electric buses from the previously approved Washington State Department of Enterprise Services agreement. The current electric buses are 30 feet and able to be on route only for six (6) hours before recharging. That equates to needing two (2) buses to complete a daily fixed route. Extended range buses are proposed to provide an additional thirty percent (30%) time on route and the 35 foot bus will allow more passenger seating.

Tracking the current electric bus fleet for nearly two (2) years has shown them to be efficient and reliable when compared to both diesel and CNG vehicles. Based on the attached data, staff believes purchasing these vehicles will serve to improve overall fleet efficiency and make progress toward meeting CAAP goals of a more sustainable bus fleet.

Staff will be submitting a request to authorize an agreement with a previously used third-party firm to assist with pre and post-build requirements as well as key performance indicator (KPI) data collection, build inspections, and route efficiency planning when the agreement is approved by legal.

Fiscal Impact

The cost for the five (5) buses is \$4,310,679.80 with an estimated local match requirement of \$862,135.96 included.

With grant awards of \$5,125,999 and local reserve funds totaling \$1,005,687 dedicated for grant matching, GoCOMO is within the budget to purchase these vehicles.

Long-Term Impact: Unknown at this time.



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Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Economy, Tertiary Impact: Operational Excellence

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Mobility, Connectivity, and Accessibility

Legislative History

Date	Action
09/07/2021	B267-21 Amending the FY 2021 Annual Budget by appropriating funds for the purchase of buses and para-transit vans for the GoCOMO Public Transit System

Suggested Council Action

Approve the purchase of five (5) BYD 35 foot extended range electric buses for the GoCOMO transit fleet.