

Zero-Emission Bus Program



Metro connects the Washington region through affordable, sustainable transportation every day. As the region embraces zero-emission bus technology, new policies and significant investments in energy infrastructure will be necessary. Metro's zero-emission program seeks to ensure readiness and a successful fleet transition as funding becomes available and infrastructure improvements come online.

Building upon the efforts of Metro's first-ever [Energy Action Plan](#), released in 2019, and the Washington Area [Bus Transformation Project](#), Metro is engaging in zero-emission fleet planning to enable a clean and sustainable region, control operating costs and support a more livable and prosperous region.

In 2020, Metro released its [Zero-Emission Bus Update](#), detailing regional benefits and opportunities, outlining actions Metro has undertaken, and delineating market, infrastructure and policy prerequisites for success.

The transition to zero-emission bus service will require shared commitment, as well as significant regional investment and coordination, including:

1. Energy infrastructure investments
2. New policies and rate-structures
3. Funding to convert facilities and replace buses

Already Moving

Metro's strategy looks beyond vehicle purchases to ensure we create a strong foundation for greening the fleet. This includes assessing challenges associated with extending energy infrastructure to fueling locations. Recent program updates include:

- Initiated the Electric Bus Test & Evaluation project (up to 12 buses), which will inform the future large-scale rollout of a zero-emission technology across Metro's more than 1,500 bus fleet.
- Obtained a \$4.2 million FTA Low or No Emission Program grant, supporting purchase of two 60' battery electric buses (RFP anticipated in FY22; separate RFP for additional 40' battery electric buses also expected in FY22).
- Continued to incorporate 'electric bus ready' design in new bus garages currently under development (Northern and Bladensburg).
- Issued an RFP for renewable natural gas (award anticipated by Q4 of FY21).
- Initiated fleet plan revision (anticipated to conclude by the end of FY21) to account for zero-emission technology.
- Established ongoing engagement with regional utilities to identify, define and plan for electric service capacity and infrastructure investment required for electrification, including grid updates and bus facility needs.
- Launched a regional stakeholder collaboration with bus transit providers, electric utilities, regional government and funding partners.

Zero-emission buses have the potential to reduce local air pollution; provide a quieter, smoother ride; and support a more livable and equitable region, but the transition to zero-emission bus service will require significant regional investment and coordination.

Metro is working with our partners to address these challenges and support the region in its move to a cleaner transportation future.

Find the full Zero-Emission Bus Update at: www.wmata.com/Sustainability

More Metro.
Less CO₂.

