



Metro 2022 Outlook and New Revenue

# Electrification

Metro is actively transitioning its bus fleet to zero emission vehicles powered by renewable energy by 2035, consistent with the King County 2020 Strategic Climate Action Plan (SCAP) and Ordinance 19052. Investments in transportation electrification address climate change and reduce local air pollution. Electrification also aligns with equity commitments for environmental and climate justice. Priority populations are disproportionately impacted by air pollution and climate change. Electrification will modernize Metro and advance the adoption of new green transportation technology, contributing to a climate-friendly economic recovery.

## Major Electrification Investments

Metro's capital program positions Metro to continue its commitment to a zero-emission fleet while supporting Metro's recovering demand for service and improved financial outlook. Metro will purchase only zero emission buses starting in 2025 and will accelerate its pace of investment in fleet, infrastructure, and technology.

## Priorities for 2021-22

Metro is adding 40 extended range battery electric buses and a new test charging facility at its South Campus. Additional staff will be needed to support the charging of the buses. Metro will also begin electrification of Interim Base at South Campus and designing South Annex Base and will initiate planning and investment for layover charging.

Metro is also working to transition its non-bus fleets to zero emission. Metro is exploring pilot opportunities for Access, installing chargers to support its non-revenue fleet vehicles and will initiate a study to explore zero emission ferry boat concepts.

## Timeline of Capital Investments

- 2022
  - Take delivery of 40 extended range BEBs
  - Begin operation of South Base Test Charging Facility to test different chargers
  - Initiate planning for layover charging and electrification of an existing bus base
  - Continue to install charging infrastructure for non-revenue fleets
  - Launch Access paratransit electrification pilot; begin study to assess facility needs for Contracted Services (including Access)
- 2025
  - Open Interim Base supporting 120 BEBs
- 2027
  - Purchase 30 trolley buses
  - Complete construction of fully electric South Annex Base to support 250 BEBs
- 2028
  - 250 BEBs arrive; prepare for additional base electrification

## Future Investments

To stay on track for the goal of a fully zero-emission bus fleet by 2035 while supporting potential future service growth, Metro needs additional investment beyond what's identified above. These investments include electrification of additional existing bases, additional zero emission fleet and layover charging locations.