



## King County

### **Dow Constantine**

King County Executive  
401 Fifth Avenue, Suite 800  
Seattle, WA 98104-1818

**206-263-9600** Fax 206-296-0194  
TTY Relay: 711  
[www.kingcounty.gov](http://www.kingcounty.gov)

September 30, 2020

The Honorable Claudia Balducci  
Chair, King County Council  
Room 1200  
C O U R T H O U S E

Dear Councilmember Balducci:

This letter transmits the zero-emission battery bus preliminary implementation plan, in response to Ordinance 19052, Section 4, subsection C.

As required, the enclosed report outlines King County Metro Transit Department's (Metro) battery-electric bus (BEB) implementation. The report details Metro's fleet plan and construction milestones to reach zero-emissions by either 2035 or 2040. Additionally, it provides a summary of Metro's BEB testing and a detailed description of on-going electrification construction projects. The report also includes an overview of BEB technology and a market analysis. Finally, there is a review of the state of the ADA paratransit vehicle industry and options for increasing zero-emission vehicle technologies at King County park and rides.

With the impacts of COVID-19, Metro expects to have reduced service and ridership in the next few years, and this has resulted in a no-growth fleet plan. As a result of these budgetary impacts, the procurement of BEBs and the construction of electrical, charging infrastructure will slow down. However, Metro still plans to meet its target of electrifying its fixed-route fleet by 2040. The report provides fleet plans and construction milestones to support both 2035 and 2040 electrification.

The implementation report furthers the goal of the King County Strategic Plan goal of environmental sustainability and reduction of greenhouse gas emissions. It describes Metro's capital and bus procurement strategy for reaching zero-emission fleet and discusses opportunities and barriers to electrification of the ADA paratransit fleet. The report aligns with King County's Equity and Social Justice Initiative by deploying BEBs in South King County, a historically underserved area of the County.

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It is estimated that this report required 340 hours by Metro staff to produce costing approximately \$20,400 and \$119,000 in consultant costs. The estimated printing costs for this report is nominal.

Thank you for your consideration of this report. This important work discussed in this report will help King County move its climate and equity goals forward.

If your staff have any questions, please contact Radhika Moolgavkar, Special Projects Manager II, King County Metro Transit Department, at 206-263-4188.

Sincerely,

A handwritten signature in black ink, appearing to read "Dow Constantine". The signature is fluid and cursive, with a horizontal line at the end.

Dow Constantine

King County Executive

Enclosure

cc: King County Councilmembers

ATTN: Carolyn Busch, Chief of Staff

Melani Pedroza, Clerk of the Council

Shannon Braddock, Deputy Chief of Staff, Office of the Executive

Karan Gill, Director, Council Relations, Office of the Executive

Terry White, Interim General Manager, Metro Transit Department