Utility Partnership in Electrifying Transit

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Introduction

PSE Electric Service Territory

- Covers greater Puget Sound
- 1.1 million electric customers
- 6,000 square miles
- Diverse geography

PSE Service Territory

- 8 agencies in territory
- Zero-emissions goals
- ~45% of WA GHG emissions from transportation

Transit Agencies
Planning in Partnership

Early Engagement
- Stakeholder involvement
- Timing

Charging Requirements
- Footprint
- Upgrades
- Current fleet layovers/utilization

Route Planning
- Battery range
- Charging buffer in route timing

Slow-charge
- Range of ~140 miles
- 2-5 hours to charge or overnight

Fast-charge
- Range of ~25 miles
- 10 mins to charge
Planning in Partnership

King County Metro
- 3 fast-charging buses
- Goal of 120 BEBs by 2020

Kitsap Transit
- 1 pilot bus, two charging locations
- 2 more buses in 2018/19

Whatcom Transit
- Early-stage BEB planning
Path Forward

- Early stakeholder engagement
- Planning for ridership and routes
  - Evaluating charging needs
- Integration with current fleet and phasing
- Emerging transit opportunities
  - Rideshare, paratransit, dial-a-ride

Metro Fleet Transition Planning
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