

Zero Emissions Fleet Transition

Community Transit is on a multi-decade journey of transitioning to a fully zero emissions fleet by a target date of 2044. Zero emissions vehicles are expected to comprise about 30% of the agency’s bus fleet by 2030. The shift from diesel powered to zero emissions buses represents the agency’s most substantial investment to date and positions Community Transit as a regional leader in hydrogen fuel technology.

We’re committed to designing an operationally, financially, and environmentally sustainable strategy to support this objective, without compromising our ability to deliver existing and future service. Federal, state, regional, and local partnerships are key to our plan’s success.

Why Zero Emissions?

Community Transit has a history of providing safe and reliable transportation to our riders. Riding conventional diesel buses can reduce your greenhouse gases (GHGs) by as much as 33% per passenger mile when compared to driving your vehicle.¹

This evolution to zero emissions buses is a priority for Community Transit and will shape the future of sustainable mobility in Snohomish County, making your environmentally friendly trips even cleaner.

Shifting to a zero emissions fleet will:

- Provide a roadmap for reduced reliance on fossil fuels, paving the way for a sustainable future of transit in our county
- Ensure the agency is well-positioned to support future state and federal mandates
- Provide leadership for eco-friendly initiatives in the community

Battery Electric Bus (BEB) vs. Fuel Cell Electric Bus (FCEB)

Community Transit envisions a mixed fleet of BEB and FCEB as the optimal solution for our diverse topography and bus routes. Both BEB’s and FCEB’s drivetrains use electricity to power the bus, all while producing zero tailpipe emissions. The key difference between the technologies is the storage of latent energy – BEBs use up to seven battery packs for energy storage, whereas FCEBs store hydrogen gas in fuel tanks and convert to electricity to charge a single battery pack “on-the-fly.”



Community Transit envisions a mixed fleet of BEB and FCEB to best serve our communities.

Stay up-to-date at: [communitytransit.org/zeroemissions](https://www.communitytransit.org/zeroemissions)

¹ https://www.commerce.wa.gov/wp-content/uploads/2021/01/WA_2021SES_Chapter-C-Transportation.pdf

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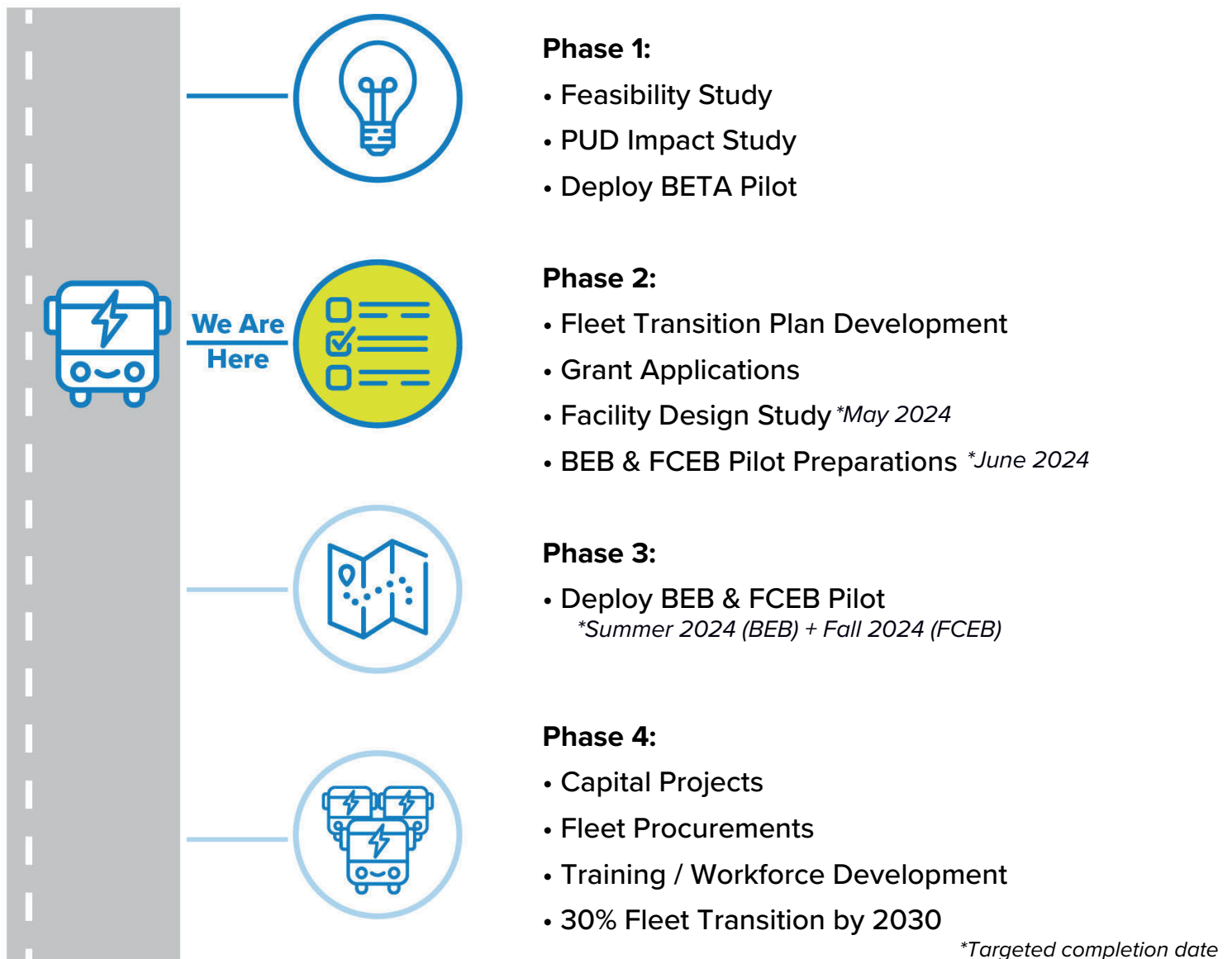
Leading the Charge with Hydrogen Fuel

In 2024, Community Transit will be the first agency operating a hydrogen fuel powered bus in the Puget Sound region, piloting the technology’s capabilities and learning about its challenges. At this time, we are exploring how to best secure a hydrogen fuel source locally. We are actively seeking collaboration locally, regionally, and nationally to drive sustainable deployment of clean transportation technologies.

Impact to Workforce

Community Transit’s zero emissions fleet transition will improve on existing job opportunities in areas like maintenance, infrastructure, and fleet management. Moreover, it provides a chance to train our existing employees for the evolving landscape of electric transportation.

Roadmap to Zero Emissions Fleet + Infrastructure



Phase 1:

- Feasibility Study
- PUD Impact Study
- Deploy BETA Pilot

Phase 2:

- Fleet Transition Plan Development
- Grant Applications
- Facility Design Study **May 2024*
- BEB & FCEB Pilot Preparations **June 2024*

Phase 3:

- Deploy BEB & FCEB Pilot
**Summer 2024 (BEB) + Fall 2024 (FCEB)*

Phase 4:

- Capital Projects
- Fleet Procurements
- Training / Workforce Development
- 30% Fleet Transition by 2030

**Targeted completion date*