

# Kitsap Transit

Sustainability Plan

2022-2030



# Continual Improvement

- Kitsap Transit became ISO 14001 certified in 2014
- 2014 Kitsap Transit implemented an Environmental Sustainability Management System or (ESMS). This system incorporates sustainability and environmental impact awareness on all aspects of Kitsap Transit



# Continual Improvement

- Since 2015 Kitsap Transit has achieved its annual goals for reduction in  $CO_2$  emissions
- 2015 Kitsap Transit implemented its Vehicle Idling Policy
- 2016 switched bulk of *ACCESS* and Dial-a-Ride fleet to propane
- 2018 Kitsap Transit put in service its first electric battery powered coach



# Continual Improvement

- 2019 Kitsap Transit put the first hybrid electric diesel ferry in service on the Puget Sound
- 2020 Kitsap Transit put in service its second electric battery powered coach
- 2021 Kitsap Transit committed purchase battery powered small engine equipment as the fossil fuel powered equipment comes to the end of life



# Continual Improvement

- Since 2018 Kitsap Transit's foot ferry service has taken 1,726 cars off the road the equivalent of 7,938 metric tons of  $CO_2$
- Since 2018 Kitsap Transit's bus service has taken 4,117 cars off the road equivalent to 18,939 metric tons of  $CO_2$
- Since 2018 Kitsap Transit's Fast Ferry service to Seattle has taken an estimated 42,294 cars off the road equivalent to 194,553 metric tons of  $CO_2$



# Continual Improvement

- Kitsap Transit ordered a new Roush propane evacuation system. This will eliminate propane burn off and allow tank to tank transfer
- Kitsap Transit will switch to Shell Rotella T4 NG Plus 10W-30 oil. This will allow for better engine performance, less emissions, and can potentially replace all other oils used by KT.



# Continual Improvement

- 2021 Kitsap Transit put in electric infrastructure to support 18 EV charging stations at the Charleston Base location and 8 EV charging stations at the North Base location
- 2021 Kitsap Transit accepted the FTA “Sustainable Transit for a Healthy Planet” challenge



# Looking to the future







- In second half of 2022 Kitsap Transit will receive 6 electric battery powered coaches
- 2023 Kitsap Transit will receive 12 electric battery powered coaches
- Kitsap Transit will order 10 additional electric battery powered coaches totaling 30 (Pending FTA funding)



- 2022 Kitsap Transit will receive 11 ultra low NOx propane coaches
- 2023 Kitsap Transit will receive 13 ultra low NOx propane coaches
- Kitsap Transit plans to replace all propane coaches with ultra lo NOx



- Kitsap Transit will install 2 induction style charging areas at the new Silverdale Transit Center
- Kitsap Transit exploring the possibility of producing hydrogen for use in fuel cell coaches



- Kitsap Transit actively working with multiple entities in the Puget Sound to develop an electric battery powered hydrofoil fast ferry



- January 2023 Kitsap Transit's Charleston base will have a new solar panel array which is projected to produce 74.8kW
- Potential for solar at other Kitsap Transit locations

# Projected Kitsap Transit Array

