

Washington State Joint Transportation Committee

Electrification of public vehicle fleets in Washington State

The Washington State Legislature has directed the Joint Transportation Committee (JTC) to conduct an analysis of the electrification of public fleets in Washington State. The study will look specifically at the vehicle fleets owned by the State of Washington, cities, counties and transit agencies.

The purpose of this study is to provide information to members of the legislature and stakeholders on electrification of public vehicle fleets including current size and electrification status of the fleet, current and projected costs of electric vehicles and fueling/charging infrastructure, and financing mechanisms and other strategies that could accelerate the transition of publicly owned vehicle fleets to battery and fuel cell electric vehicles.

The JTC has contracted with Atlas Public Policy in partnership with Washington State University Energy Program and the National Renewable Energy Laboratory to conduct the study.

The specific elements of the study include:

- An inventory of existing fleets
- A review of currently available electric vehicle alternatives for vehicle types most commonly used in the public fleets
- The projected costs of achieving substantial conversion to battery and/or fuel cell electric vehicles by 2025, 2030 and 2035. The estimate will include vehicle acquisition costs, charging and refueling infrastructure costs, and other associated costs.
- Identification and analysis of financing mechanisms and strategies that could be used to facilitate the transition of publicly owned vehicles to battery and fuel cell electric vehicles
- The predicted number and location profile of electric vehicle fueling stations needed statewide to provide fueling for the public fleets.
- Identification of areas of the state that would benefit the most from vehicle emission reductions resulting from fleet conversion

The study report is due to the transportation committees of the legislature by September 30, 2020.

What is the Washington State Joint Transportation Committee?

The Joint Transportation Committee (JTC) is a bipartisan, bicameral legislative agency that conducts transportation related studies and other activities to inform state and local government policymakers, including legislators and associated staff. The JTC is governed by an Executive Committee consisting of the Chairs and Ranking Members of the House and Senate Transportation Committees: Rep. Jake Fey, Rep. Andrew Barkis, Sen. Steve Hobbs and Sen. Curtis King. JTC studies and other activities are managed and/or conducted by non-partisan JTC staff.

If you have questions about this study, please contact:
Dave Catterson, JTC Staff, Dave.Catterson@leg.wa.gov
Charles Satterfield, Project Manager, Atlas Public Policy,