

**RCW 47.80.090 Regional transportation planning organizations—
Electric vehicle infrastructure.** (1) A regional transportation planning organization containing any county with a population in excess of one million in collaboration with representatives from the department of ecology, the department of commerce, local governments, and the office of regulatory assistance must seek federal or private funding for the planning for, deployment of, or regulations concerning electric vehicle infrastructure. These efforts should include:

(a) Development of short-term and long-term plans outlining how state, regional, and local government construction may include electric vehicle infrastructure in publicly available off-street parking and government fleet vehicle parking, including what ratios of charge spots to parking may be appropriate based on location or type of facility or building;

(b) Consultations with the state building code council and the department of labor and industries to coordinate the plans with state standards for new residential, commercial, and industrial buildings to ensure that the appropriate electric circuitry is installed to support electric vehicle infrastructure;

(c) Consultation with the workforce development council and the student achievement council to ensure the development of appropriate educational and training opportunities for citizens of the state in support of the transition of some portion of vehicular transportation from combustion to electric vehicles;

(d) Development of an implementation plan for counties with a population greater than five hundred thousand with the goal of having public and private parking spaces, in the aggregate, be ten percent electric vehicle ready by December 31, 2018; and

(e) Development of model ordinances and guidance for local governments for siting and installing electric vehicle infrastructure, in particular battery charging stations, and appropriate handling, recycling, and storage of electric vehicle batteries and equipment.

(2) These plans and any recommendations developed as a result of the consultations required by this section must be submitted to the legislature by December 31, 2010, or as soon as reasonably practicable after the securing of any federal or private funding. Priority will be given to the activities in subsection (1)(e) of this section and any ordinances or guidance that is developed will be submitted to the legislature, the department of commerce, and affected local governments prior to December 31, 2010, if completed.

(3) The definitions in this subsection apply throughout this section unless the context clearly requires otherwise.

(a) "Battery charging station" means an electrical component assembly or cluster of component assemblies designed specifically to charge batteries within electric vehicles, which meet or exceed any standards, codes, and regulations set forth by chapter 19.28 RCW and consistent with rules adopted under RCW 19.27.540.

(b) "Battery exchange station" means a fully automated facility that will enable an electric vehicle with a swappable battery to enter a drive lane and exchange the depleted battery with a fully charged battery through a fully automated process, which meets or exceeds any standards, codes, and regulations set forth by chapter 19.28 RCW and consistent with rules adopted under RCW 19.27.540.

(c) "Electric vehicle infrastructure" means structures, machinery, and equipment necessary and integral to support an electric

vehicle, including battery charging stations, rapid charging stations, and battery exchange stations.

(d) "Rapid charging station" means an industrial grade electrical outlet that allows for faster recharging of electric vehicle batteries through higher power levels, which meets or exceeds any standards, codes, and regulations set forth by chapter 19.28 RCW and consistent with rules adopted under RCW 19.27.540. [2012 c 229 § 592; 2009 c 459 § 2.]

Effective date—2012 c 229 §§ 101, 117, 401, 402, 501 through 594, 601 through 609, 701 through 708, 801 through 821, 902, and 904:
See note following RCW 28B.77.005.

Finding—Purpose—2009 c 459: "The legislature finds the development of electric vehicle infrastructure to be a critical step in creating jobs, fostering economic growth, reducing greenhouse gas emissions, reducing our reliance on foreign fuels, and reducing the pollution of Puget Sound attributable to the operation of petroleum-based vehicles on streets and highways. Limited driving distance between battery charges is a fundamental disadvantage and obstacle to broad consumer adoption of vehicles powered by electricity. In order to eliminate this fundamental disadvantage and dramatically increase consumer acceptance and usage of electric vehicles, it is essential that an infrastructure of convenient electric vehicle charging opportunities be developed. The purpose of this act is to encourage the transition to electric vehicle use and to expedite the establishment of a convenient, cost-effective, electric vehicle infrastructure that such a transition necessitates. The state's success in encouraging this transition will serve as an economic stimulus to the creation of short-term and long-term jobs as the entire automobile industry and its associated direct and indirect jobs transform over time from combustion to electric vehicles." [2009 c 459 § 1.]