
SUBSTITUTE SENATE BILL 6386

State of Washington

58th Legislature

2004 Regular Session

By Senate Committee on Natural Resources, Energy & Water (originally sponsored by Senators Fraser, Morton, Winsley, Carlson, Regala and Kline)

READ FIRST TIME 02/06/04.

1 AN ACT Relating to electrification projects to reduce air pollution
2 in environmentally hazardous areas; adding new sections to chapter
3 70.94 RCW; creating a new section; and declaring an emergency.

4 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

5 NEW SECTION. **Sec. 1.** The legislature recognizes that the air
6 quality around idling heavy duty diesel vehicles at truck stops and
7 large vessels in marine ports can contribute to unhealthy conditions.
8 The legislature also recognizes that many other states, the federal
9 government, and the countries of Canada and Mexico and private sector
10 organizations are examining the issues related to this problem.
11 Washington state must work cooperatively with these governments and
12 organizations to seek compatible solutions to improve the air quality.
13 The legislature recognizes and declares that environmental issues of
14 this nature should not become issues that interfere with the
15 competitiveness of businesses, and that the states' efforts include
16 solutions that work especially well with any projects undertaken by
17 Idaho, Oregon, California, Canada, and Mexico.

18 Idling vehicles not only consume up to one billion gallons of
19 diesel fuel a year, but also contribute to air pollution by releasing

1 volatile organic compounds, carbon monoxide, carbon dioxide, nitrogen
2 oxides, and particulates. Additionally, these conditions contribute to
3 driver fatigue through exposure to noise, vibration, and elevated
4 levels of carbon monoxide and other pollutants.

5 These emissions include fine particles and gases that contribute to
6 deteriorating human health conditions, including asthma, heart disease,
7 cancer, aggravated allergies, and more.

8 The state can assist in the reduction of idling vehicles by
9 providing infrastructure to support the use of auxiliary power through
10 a system of stand-alone and onboard electrification projects.

11 The legislature intends to provide assistance to owners and
12 operators of heavy duty diesel vehicles which contribute to areas of
13 concentrated air pollution by providing infrastructure to support the
14 electrification of these facilities and seeking federal assistance to
15 aid the owners and operators of vehicles, vessels, and trains to modify
16 their equipment to accept auxiliary power when stationary.

17 The legislature intends to support electrification projects in
18 areas where the current conditions are especially harmful to human
19 health and there exist cost-effective solutions.

20 NEW SECTION. **Sec. 2.** A new section is added to chapter 70.94 RCW
21 to read as follows:

22 (1) The department shall develop, in consultation with the
23 department of transportation and the Washington public ports
24 association, a list of approximately ten sites where cost-effective
25 electrification projects appear to be practical and could be initiated
26 for heavy duty diesel vehicles or large vessels. The sites shall be
27 selected in areas where these vehicles and vessels commonly operate
28 their engines or run diesel generators, while stationary, for lengthy
29 periods of time. The department shall also develop a list of
30 recommended nonelectrification options for improving the air quality at
31 truck stops and in marine ports.

32 (2) In developing the list of potential electrification sites, the
33 department shall consider:

34 (a) Cost of installing electrification infrastructure; and

35 (b) Areas designated by the environmental protection agency as in
36 nonattainment for any air pollutant, former nonattainment areas, or

1 areas at risk of receiving a nonattainment designation, or areas where
2 the greatest hazards to human health are suspected.

3 (3) In developing the site list and list of nonelectrification
4 options, the department is not required to conduct any original
5 scientific research. The department shall use existing, available
6 information including ongoing studies and initiatives being conducted
7 in other states, by the federal government, and in Canada and Mexico.
8 The department shall make reasonable assumptions and estimates as it
9 deems necessary to meet the intent of this section.

10 (4) In the site list, the department shall seek the advice of
11 individuals representing trucking, truck stop, and maritime
12 organizations and businesses, local air authorities, and public health
13 organizations.

14 (5) The list of sites for potential electrification projects and
15 the list of nonelectrification options shall be submitted to the
16 appropriate committees of the legislature and the governor by December
17 15, 2004. The list may be updated as the department deems appropriate.

18 NEW SECTION. **Sec. 3.** A new section is added to chapter 70.94 RCW
19 to read as follows:

20 The department shall initiate electrification pilot projects at
21 sites identified under the provisions of section 2 of this act as
22 funding becomes available under section 4 of this act.

23 NEW SECTION. **Sec. 4.** A new section is added to chapter 70.94 RCW
24 to read as follows:

25 The department shall seek financial assistance from federal and
26 nonstate sources to fund stand-alone and onboard electrification
27 infrastructure projects and, when needed, to assist owners and
28 operators of heavy duty diesel vehicles to modify their onboard
29 equipment to accept auxiliary power when stationary.

30 The department shall also develop a state funding strategy for
31 construction of additional electrification projects.

32 NEW SECTION. **Sec. 5.** A new section is added to chapter 70.94 RCW
33 to read as follows:

34 For the purposes of sections 2 through 4 of this act, the following
35 words shall have the following meanings:

1 (1) "Heavy duty diesel vehicles" means any diesel vehicle with a
2 gross vehicle weight rating over fourteen thousand pounds;

3 (2) "Large vessel" means a tank vessel, cargo vessel, or passenger
4 vessel as those terms are defined in RCW 88.40.011;

5 (3) "Onboard electrification projects" means systems that require
6 the truck or vessel to be equipped with the necessary components to
7 accept electrical power, including inverters, heat and air systems
8 capable of being powered by electricity, and hardware to plug into an
9 electrical outlet; and

10 (4) "Stand-alone electrification projects" means an independent
11 system that supplies the vehicle's needs for heating, ventilation, and
12 air conditioning without modification to the vehicle.

13 NEW SECTION. **Sec. 6.** This act is necessary for the immediate
14 preservation of the public peace, health, or safety, or support of the
15 state government and its existing public institutions, and takes effect
16 immediately.

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