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SENATE BILL 6386

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State of Washington                      58th Legislature                      2004 Regular Session

By Senators Fraser, Morton, Winsley, Carlson, Regala and Kline

Read first time 01/19/2004.      Referred to Committee on Natural Resources, Energy & Water.

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

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

6            NEW SECTION.    **Sec. 1.** The legislature recognizes that the air  
7 quality around idling heavy duty diesel vehicles and large vessels can  
8 contribute to unhealthy conditions. Idling vehicles not only consume  
9 up to one billion gallons of diesel fuel a year, but also contribute to  
10 air pollution by releasing volatile organic compounds, carbon monoxide,  
11 carbon dioxide, nitrogen oxides, and particulates. Likewise, large  
12 vessels contribute to the degradation of the local air quality when  
13 they idle their engines in port. Additionally, in the case of idling  
14 vehicles, the legislature recognizes that they contribute to driver  
15 fatigue through exposure to noise, vibration, and elevated levels of  
16 carbon monoxide and other pollutants.

17            The state can assist in the reduction of idling vehicles and  
18 vessels by providing infrastructure to support the use of auxiliary

1 power through a system of stand-alone and on-board electrification  
2 projects.

3 The legislature intends to provide assistance to owners and  
4 operators of heavy duty diesel vehicles and large vessels which  
5 contribute to areas of concentrated air pollution when operating their  
6 engines while in stationary positions such as truck stops and ports.  
7 The assistance will take the form of providing infrastructure to  
8 support the electrification of these facilities and seeking federal  
9 assistance to aid the owners and operators of vehicles and vessels to  
10 modify their equipment to accept auxiliary power when stationary.

11 The legislature intends to support the initial electrification  
12 projects in areas where the current conditions are especially harmful  
13 to human health and where the emissions are generated in  
14 environmentally sensitive areas.

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

17 (1) The department shall develop, in consultation with local air  
18 authorities, the department of transportation, and the Washington  
19 public ports association, a list of prioritized sites where stand-alone  
20 electrification projects should be initiated for heavy duty diesel  
21 vehicles. The sites shall be selected in areas where these vehicles  
22 commonly operate their engines, while stationary, for lengthy periods  
23 of time.

24 (2) In developing the list of stand-alone electrification projects,  
25 the following factors shall be considered, in the priority listed:

26 (a) Cost-effectiveness of the site in terms of the estimated amount  
27 of pollution prevented for the estimated amount of funding necessary to  
28 complete the project;

29 (b) Existing truck stops where the greatest hazards to human health  
30 are suspected;

31 (c) Areas designated by the environmental protection agency as in  
32 nonattainment for any air pollutant, former nonattainment areas, or  
33 areas at risk of receiving a nonattainment designation;

34 (d) Existing idling locations located in known environmentally  
35 sensitive areas;

36 (e) The estimated amount of fuel conserved by the proposed project;

37 (f) The estimated amount of noise reduction in urban settings; and

1 (g) Sites suitable for collocating a renewable energy project as the  
2 energy source.

3 (3) The prioritized list of potential electrification projects  
4 shall be submitted to the appropriate committees of the legislature and  
5 the governor by December 15, 2004. The list may be updated as the  
6 department deems appropriate.

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

9 The department shall initiate, by January 1, 2005, a request for  
10 proposal process to build a stand-alone electrification project at the  
11 highest priority site identified under the provisions of section 2 of  
12 this act. The department shall initiate additional stand-alone  
13 projects based upon the funding available under section 5 of this act.

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

16 (1) In order to provide the legislature with additional information  
17 on cost and benefits of additional electrification projects, the  
18 department shall conduct a study regarding the development of on-board  
19 electrification projects for heavy duty diesel vehicles, ports,  
20 airports, or railyards.

21 (2) In conducting the study, the department shall consider and  
22 identify:

23 (a) The cost-effectiveness of each type of project in terms of the  
24 estimated amount of pollution prevented for the estimated amount of  
25 funding necessary to complete the project;

26 (b) Which existing areas are suspected to be the greatest hazards  
27 to human health;

28 (c) The number and location of areas used for idling vehicles and  
29 vessels that are located in zones designated by the environmental  
30 protection agency as in nonattainment for any air pollutant, former  
31 nonattainment areas, or areas at risk of receiving a nonattainment  
32 designation;

33 (d) Existing locations where frequent heavy duty diesel vehicle and  
34 vessel idling occurs in known environmentally sensitive areas;

35 (e) The estimated amount of fuel that could be conserved at the  
36 different types of projects;

1 (f) The types of projects that would have the greatest impact on  
2 noise reduction in urban settings; and

3 (g) Which types of projects would be most suitable for collocating  
4 a renewable energy project as the energy source.

5 (3) In conducting the study, the department is not required to  
6 conduct any original scientific research. The department shall use  
7 existing, available information and shall make reasonable assumptions  
8 and estimates as it deems necessary to meet the intent of this section.

9 (4) The department shall also include information regarding  
10 possible sources for funding for on-board electrification projects,  
11 both in terms of the infrastructure and providing assistance to  
12 individuals.

13 (5) In conducting the study, the department shall involve local air  
14 authorities, the department of transportation, the Washington ports  
15 association, and may include individuals representing trucking, truck  
16 stop, airport, maritime, and railway organizations and businesses, and  
17 environmental and public health organizations.

18 (6) The results of the study shall be submitted to the appropriate  
19 committees of the legislature and the governor by October 15, 2005.

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

22 The department shall seek financial assistance from federal and  
23 nonstate sources to fund stand-alone and on-board electrification  
24 infrastructure projects, and to assist owners and operators of heavy  
25 duty diesel vehicles and large vessels to modify their on-board  
26 equipment to accept auxiliary power when stationary.

27 The department shall also develop a state funding strategy for  
28 construction of additional stand-alone projects on the priority list  
29 developed under section 2 of this act.

30 NEW SECTION. **Sec. 6.** A new section is added to chapter 70.94 RCW  
31 to read as follows:

32 For the purposes of sections 2 through 5 of this act, the following  
33 words shall have the following meanings:

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

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

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

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

11 NEW SECTION. **Sec. 7.** This act is necessary for the immediate  
12 preservation of the public peace, health, or safety, or support of the  
13 state government and its existing public institutions, and takes effect  
14 May 1, 2004.

15 NEW SECTION. **Sec. 8.** This act expires June 30, 2014.

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