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HOUSE BILL 1734

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State of Washington

61st Legislature

2009 Regular Session

By Representative Chase

Read first time 01/28/09. Referred to Committee on Education Appropriations.

1 AN ACT Relating to developing a program to allow Washington to be  
2 a leader in the conversion of plug-in hybrid vehicles; creating a new  
3 section; and making an appropriation.

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

5 NEW SECTION. **Sec. 1.** (1) The legislature finds that an expansion  
6 of the use of plug-in hybrid vehicles can play an important role in  
7 development of a green economy and carbon reduction planning. Plug-in  
8 vehicles not only dramatically reduce carbon loading in the atmosphere,  
9 but their use also provides electric utilities with the advantages of  
10 distributed generation that can be utilized on demand by the utility.

11 (2) The legislature further finds that developing local knowledge  
12 and training capacity relating to plug-in hybrid vehicles will position  
13 Washington within an important emerging marketplace. Investments made  
14 in plug-in hybrid vehicle technology, and other technologies relating  
15 to green energy and carbon emissions reductions, will help Washington  
16 build a strong and vibrant economic sector prepared to take advantage  
17 of current and future green economy opportunities.

18 (3) The legislature further finds that Washington's own Shoreline  
19 Community College has been recognized as a state community college

1 center for excellence in alternative energy curriculum development.  
2 Shoreline Community College is also the principle training center for  
3 Toyota dealerships, and is situated in a unique position to leverage  
4 its industry contacts with a rapidly growing zero-energy buildings  
5 program and become a training center for vehicle-to-grid development.

6 (4) The legislature further finds that Shoreline Community College,  
7 together with the Washington State University energy program's  
8 Northwest solar center, is in the process of developing a prototype  
9 solar/vehicle-to-grid charging station as an adjunct to a zero-energy  
10 house demonstration and training center on the campus of Shoreline  
11 Community College. The prototype charging station, to be developed by  
12 students of Shoreline Community College in collaboration with Toyota,  
13 will be designed to provide virtually all of the energy necessary to  
14 operate plug-in hybrid vehicles. Shoreline Community College intends  
15 for the vehicles retrofitted by the program to be first in a series of  
16 retrofits to Toyota hybrid cars and other vehicles that can be  
17 retrofitted to receive power from the grid.

18 (5) The legislature further finds that the program being developed  
19 by Shoreline Community College and Washington State University will  
20 assist the state in establishing an early leadership position in an  
21 important area of technical development. The acquisition of the  
22 materials needed for the program, including two hybrid cars, will allow  
23 the college to retrofit hybrid cars, sell the converted vehicles, and  
24 establish a revolving account within the college that provides ongoing  
25 funding resources for the program into the future.

26 NEW SECTION. **Sec. 2.** The sum of two hundred thirteen thousand  
27 dollars, or as much thereof as may be necessary, is appropriated for  
28 the fiscal year ending June 30, 2010, from the general fund to the  
29 Shoreline Community College for the purchase of two hybrid vehicles, a  
30 charging structure, and hybrid conversion kits. Moneys may also be  
31 used for curriculum development and an instructor's salary.

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