

JAN 23 2006

S.B. NO. 2121

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# A BILL FOR AN ACT

RELATING TO BIODIESEL.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

- 1           SECTION 1. The legislature recognizes:
- 2           (1) That the use of motor vehicles has a significant
- 3           impact on the environment and public health of the
- 4           state of Hawaii;
- 5           (2) Motor vehicles greatly contribute to carbon dioxide
- 6           emissions and other toxic contaminants that infiltrate
- 7           Hawaii's natural beauty. Diesel exhaust, in
- 8           particular, is likely to cause lung cancer in humans,
- 9           chronic and acute bronchitis, asthma attacks, and
- 10          respiratory illnesses. Children are particularly at
- 11          risk. For example, nearly 200,000 children risk their
- 12          health breathing diesel exhaust fumes from riding
- 13          diesel-powered buses to school every day;
- 14          (3) Although stringent standards established by the United
- 15          States Environmental Protection Agency for new diesel
- 16          engine technology will take effect with the 2007 model
- 17          year, a significant majority of diesel-powered school



1 buses used presently will continue to be used for  
2 several more years;

3 (4) Using biodiesel in place of, or blended with,  
4 petroleum diesel reduces emissions of carbon monoxide,  
5 hydrocarbon particulates, and air toxins from new or  
6 existing diesel engines; and

7 (5) The State maintains a large motor pool of over 5,000  
8 vehicles, a great number of which are diesel-powered.

9 SECTION 2. The comptroller of the department of accounting  
10 and general services shall conduct a pilot program on the use of  
11 biodiesel in all diesel-powered compression-ignition engines  
12 owned and operated by the State in its motor pool. The use of  
13 biodiesel in the state motor pool shall be phased in  
14 accordingly:

15 (1) 25 per cent of the motor pool within the first year  
16 after the effective date of this act;

17 (2) 50 per cent of the motor pool within the second year  
18 after the effective date of this act; and

19 (3) 100 per cent of the motor pool within the third year  
20 after the effective date of this act.

21 SECTION 3. The state diesel-powered motor pool is  
22 encouraged to use a fuel blend of twenty per cent biodiesel and



1 eighty per cent petroleum diesel for use in diesel-powered motor  
2 pool vehicles. Effective June 1, 2006, in order to comply with  
3 the ultra-low sulfur diesel mandate of the United States  
4 Environmental Protection Agency for on-highway diesel fuel, the  
5 comptroller shall use biodiesel as an additive to ultra-low  
6 sulfur diesel for lubricity, provided that the use of a  
7 lubricity additive is warranted and that the use of biodiesel is  
8 comparable in performance and cost with other available  
9 lubricity additives. The amount of biodiesel added to the  
10 ultra-low sulfur diesel fuel shall be not less than two per  
11 cent.

12 SECTION 4. For purposes of this act, the term "biodiesel",  
13 unless the context clearly requires otherwise, means a mono  
14 alkyl ester of long chain fatty acids derived from vegetable  
15 oils or animal fats for use in compression-ignition engines and  
16 that meets the requirements of the American society of testing  
17 and materials specification D 6751 in effect as of the effective  
18 date of this act.

19 SECTION 5. The comptroller shall submit a report to the  
20 legislature setting forth the findings of the biodiesel pilot  
21 project, including feasibility, cost effectiveness, performance  
22 evaluations, effect on the environment, and any other relevant



1 determination, not later than twenty days before the convening  
2 of the regular session of 2010.

3 SECTION 6. It is the intent of the legislature that  
4 implementation of this pilot project will not produce a  
5 significant financial burden on the department of accounting and  
6 general services or the State. The legislature calls upon the  
7 comptroller to explore alternative means of funding this pilot  
8 project, which are those costs not associated with the purchase  
9 of diesel fuels for the motor pool. Examples of alternative  
10 means of funding include the use of state and federal grants,  
11 but excluding the use of money from the state general fund.  
12 Examples of costs not associated with the purchase of diesel  
13 fuels includes additional administrative costs, research costs,  
14 or other costs necessary to bring about the report required of  
15 the legislature. The department of accounting and general  
16 services may use those funds available in its general budget.

17 SECTION 7. The biodiesel pilot project shall cease after  
18 adjournment sine die of the 2010 regular session of the  
19 legislature.

20 SECTION 8. The department of accounting and general  
21 services may continue to utilize biodiesel on its own accord



1 after the expiration of this pilot project without further  
2 legislative act.

3 SECTION 10. This Act shall take effect upon its approval.

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INTRODUCED BY:

*John L. ...*

*[Signature]*  
*Bob ...*  
*[Signature]*

SB2121

**Report Title:**

State-owned Vehicles; Biodiesel Pilot Program

**Description:**

Requires the comptroller of the department of accounting and general services to begin a pilot program to run state-owned diesel-powered vehicles on biodiesel fuel.

SB SMO 06-010

