

1 SENATE BILL NO. 575

2 AMENDMENT IN THE NATURE OF A SUBSTITUTE

3 (Proposed by the House Committee on General Laws

4 on \_\_\_\_\_)

5 (Patron Prior to Substitute--Senator Mason)

6 A BILL to amend the Code of Virginia by adding a section numbered 2.2-1176.2, relating to Department  
7 of General Services; fleet managers to use total cost of ownership calculations; report.

8 **Be it enacted by the General Assembly of Virginia:**

9 **1. That the Code of Virginia is amended by adding a section numbered 2.2-1176.2 as follows:**

10 **§ 2.2-1176.2. Declaration of policy supporting cost-effective vehicle purchase and lease; total**  
11 **cost of ownership calculator; report.**

12 A. It is the policy of the Commonwealth to encourage and promote the use of cost-effective  
13 vehicles by considering the total cost of ownership by agencies of the Commonwealth.

14 B. By October 1, 2022, the Department shall identify a publicly available total cost of ownership  
15 calculator that will be used to assess and compare the total cost to purchase, own, lease, and operate light-  
16 duty internal combustion-engine vehicles (ICEVs) versus comparable electric vehicles (EVs). Beginning  
17 on January 1, 2023, the Department and all agencies of the Commonwealth shall utilize the calculator  
18 prior to purchasing or leasing any light-duty vehicles and shall purchase or lease an EV unless the  
19 calculator clearly indicates that purchasing or leasing an ICEV has a lower cost of ownership.

20 1. The calculator shall, at a minimum, account for the vehicle's make, model, and age; the average  
21 miles traveled per year for similarly used vehicles; the expected life expectancy of the vehicle and average  
22 annual depreciation; the upfront and annual costs of purchasing such vehicle and all other costs of vehicle  
23 ownership or lease; and all costs the agency must incur to add chargers or other fueling facilities to support  
24 such vehicles. The calculator shall be updated at least annually to account for updates in information,  
25 including information on the latest light-duty vehicle models available.

26 2. The Department shall make the calculator available to all state and local public bodies and transit  
27 agencies. The Department shall also provide technical assistance to such public bodies utilizing the  
28 calculator upon request.

29 For purposes of this subsection, "light-duty vehicle" means a motor vehicle with a gross vehicle  
30 weight of 14,000 pounds or less.

31 C. Beginning January 1, 2026, and every three years thereafter, the Department shall submit to the  
32 Governor and the General Assembly a report summarizing the Department's vehicle procurements and the  
33 vehicle procurements of other agencies of the Commonwealth. The report shall, at a minimum, include a  
34 compilation of types of vehicles by size, fuel sources, and the total estimated cost savings and avoided  
35 emissions attributable to purchasing or leasing of EVs instead of ICEVs.

36 D. Emergency vehicles, as defined in § 46.2-920, and any vehicles used by an agency of the  
37 Commonwealth in law-enforcement, incident response, or other emergency response activities shall be  
38 exempt from the requirements of this section. The Department may authorize other exemptions from the  
39 requirements of this section upon finding that an EV is not a practicable alternative to an ICEV for a  
40 particular use, or for some other compelling reason.

41 E. The Department shall develop guidance documents regarding the procedure for requesting  
42 exemptions from the requirements of this section and the criteria for evaluating such exemption requests.  
43 Before adopting or revising such guidance documents, the Department shall publish the document on its  
44 website and provide a 30-day period for public review and comment.

45 F. The Department shall be responsible for ensuring that all agencies of the Commonwealth adhere  
46 to the requirements of this section. The Department may issue any directives or guidance documents or  
47 promulgate any regulations as may be necessary to implement the requirements of this section.

48 **2. That the initial report required pursuant to subsection C of § 2.2-1176.2 of the Code of Virginia,**  
49 **as created by this act, shall be due January 1, 2026.**

50 **3. That the Department of General Services (the Department) Public Body Procurement**  
51 **Workgroup (the Workgroup) shall evaluate the appropriateness of requiring the Department and**  
52 **all agencies of the Commonwealth to use a total cost of ownership (TCO) calculator to, prior to**

53 purchasing or leasing any medium-duty or heavy-duty vehicle, assess and compare the total cost to  
54 purchase, own, lease, and operate medium-duty or heavy-duty internal combustion-engine vehicles  
55 versus comparable electric vehicles. In conducting its evaluation, the Workgroup shall consult with  
56 relevant stakeholders, including at least one medium-duty or heavy-duty vehicle technology  
57 provider with experience in real-world deployments, to consider (i) the current commercial market  
58 for medium-duty and heavy-duty electric vehicles; (ii) the unique characteristics of medium-duty  
59 and heavy-duty vehicles, including charging infrastructure and operational duty cycles; (iii) the  
60 potential volume of medium-duty and heavy-duty vehicles purchased by the Department and  
61 agencies of the Commonwealth; (iv) the availability of public TCO calculators for medium-duty and  
62 heavy-duty vehicles and their suitability for use by the Department and agencies of the  
63 Commonwealth; and (v) any other information it determines relevant to its evaluation.

64 The Department shall report the Workgroup's findings and any recommendations to the  
65 Chairmen of the House Committee on General Laws and the Senate Committee on General Laws  
66 and Technology on or before December 1, 2022.

67 For purposes of this enactment, "medium-duty and heavy-duty vehicle" means a motor  
68 vehicle with a gross weight greater than 14,000 pounds.

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