

# HOUSE BILL 1451

M3, M5

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CF SB 779

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By: **Delegates Chisholm, Adams, Arentz, Baker, Beauchamp, Buckel, Ghrist, Grammer, Griffith, Hartman, Hinebaugh, Howard, Hutchinson, Jacobs, Kipke, Mangione, Miller, M. Morgan, Nawrocki, Nkongolo, Otto, Pippy, Reilly, Rose, Stonko, Szeliga, Tomlinson, Valentine, and Wivell**

Introduced and read first time: February 7, 2025

Assigned to: Environment and Transportation and Economic Matters

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## A BILL ENTITLED

1 AN ACT concerning

2 **Climate Solutions Affordability Act of 2025**

3 FOR the purpose of specifying that certain requirements under the Climate Solutions Now  
4 Act are to be carried out to the extent economically practicable, including  
5 requirements concerning achieving certain direct greenhouse gas emissions  
6 reductions from certain buildings, measuring and reporting direct emissions data to  
7 the Department of the Environment, achieving certain greenhouse gas emissions  
8 reduction goals, achieving zero-emission vehicle goals relating to the State vehicle  
9 fleet and local school buses, adopting a certain construction code, and the payment  
10 of a certain prevailing wage by contractors and subcontractors participating in  
11 certain projects undertaken by investor-owned electric companies or gas and electric  
12 companies; and generally relating to the implementation of the Climate Solutions  
13 Now Act.

14 BY repealing and reenacting, with amendments,  
15 Article – Environment  
16 Section 2–1205(e), 2–1505, and 2–1602(a) and (b)  
17 Annotated Code of Maryland  
18 (2013 Replacement Volume and 2024 Supplement)

19 BY repealing and reenacting, with amendments,  
20 Article – Environment  
21 Section 2–1602(a) and (b)  
22 Annotated Code of Maryland  
23 (2013 Replacement Volume and 2024 Supplement)  
24 (As enacted by Section 6 of Chapter 38 of the Acts of the General Assembly of 2022)

25 BY repealing and reenacting, without amendments,

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EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 Article – Environment  
2 Section 2–1205(a), (b), (c)(2) and (3), and (d)  
3 Annotated Code of Maryland  
4 (2013 Replacement Volume and 2024 Supplement)

5 BY repealing and reenacting, with amendments,  
6 Article – Labor and Employment  
7 Section 3–416  
8 Annotated Code of Maryland  
9 (2016 Replacement Volume and 2024 Supplement)

10 BY repealing and reenacting, with amendments,  
11 Article – Public Safety  
12 Section 12–503  
13 Annotated Code of Maryland  
14 (2022 Replacement Volume and 2024 Supplement)

15 BY repealing and reenacting, with amendments,  
16 Article – State Finance and Procurement  
17 Section 4–810 and 14–418  
18 Annotated Code of Maryland  
19 (2021 Replacement Volume and 2024 Supplement)

20 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
21 That the Laws of Maryland read as follows:

22 **Article – Environment**

23 2–1602.

24 (a) The Department shall develop building energy performance standards for  
25 covered buildings that achieve, **TO THE EXTENT ECONOMICALLY PRACTICABLE**:

26 (1) A 20% reduction in net direct greenhouse gas emissions on or before  
27 January 1, 2030, as compared with 2025 levels for average buildings of similar construction;  
28 and

29 (2) Net–zero direct greenhouse gas emissions on or before January 1, 2040.

30 (b) To facilitate the development of building energy performance standards under  
31 this section, the Department shall require the owners of covered buildings to measure and  
32 report, **TO THE EXTENT ECONOMICALLY PRACTICABLE**, direct emissions data to the  
33 Department annually beginning in 2025.

34 SECTION 2. AND BE IT FURTHER ENACTED, That the Laws of Maryland read  
35 as follows:

**Article – Environment**

2 2–1602.

3 (a) The Department shall develop building energy performance standards for  
4 covered buildings that achieve, **TO THE EXTENT ECONOMICALLY PRACTICABLE**, a 20%  
5 reduction in net direct greenhouse gas emissions on or before January 1, 2030, as compared  
6 with 2025 levels for average buildings of similar construction.

7 (b) To facilitate the development of building energy performance standards under  
8 this section, the Department shall require the owners of covered buildings to measure and  
9 report, **TO THE EXTENT ECONOMICALLY PRACTICABLE**, direct emissions data to the  
10 Department annually beginning in 2025.

11 SECTION 3. AND BE IT FURTHER ENACTED, That the Laws of Maryland read  
12 as follows:

**Article – Environment**

14 2–1205.

15 (a) The State shall develop plans, adopt regulations, and implement programs  
16 that reduce statewide greenhouse gas emissions in accordance with this subtitle.

17 (b) On or before June 30, 2023, the Department shall:

18 (1) Submit a proposed plan that reduces statewide greenhouse gas  
19 emissions by 60% from 2006 levels by 2031 to the Governor and General Assembly;

20 (2) Make the proposed plan available to the public; and

21 (3) Convene a series of public workshops to provide interested parties with  
22 an opportunity to comment on the proposed plan.

23 (c) (2) The Department shall, on or before December 31, 2023, adopt a final  
24 plan that:

25 (i) Reduces statewide greenhouse gas emissions by 60% from 2006  
26 levels by 2031; and

27 (ii) Sets the State on a path toward achieving net–zero statewide  
28 greenhouse gas emissions by 2045.

29 (3) The Department shall:

30 (i) On or before December 31, 2030, adopt a final plan that achieves  
31 net–zero statewide greenhouse gas emissions by 2045; and

1 (ii) On or before December 31, 2035, review and, as necessary, revise  
2 the final plan to achieve net-zero statewide gas emissions by 2045.

3 (d) The final plans required under subsection (c) of this section shall include:

4 (1) Adopted regulations that implement all plan measures for which State  
5 agencies have existing statutory authority; and

6 (2) A summary of any new legislative authority needed to fully implement  
7 the plans and a timeline for seeking legislative authority.

8 (e) (1) A final plan developed under this section:

9 [(1)] (I) May not include highway widening or additional road  
10 construction as a greenhouse gas emission reduction measure;

11 [(2)] (II) May include the use of carbon capture, electric distribution and  
12 transmission infrastructure improvements, and storage technology as a greenhouse gas  
13 emission reduction measure only if the technology has been scientifically proven to achieve  
14 verifiable carbon reductions;

15 [(3)] (III) Shall use the global warming potential for methane over a  
16 20-year time horizon, as accepted in the most recent assessment of the Intergovernmental  
17 Panel on Climate Change, in estimating the State's greenhouse gas emissions reductions;

18 [(4)] (IV) Shall include policy recommendations to ensure the continued  
19 operation of Maryland's existing zero carbon emission electric generators through current  
20 operating licenses;

21 [(5)] (V) Shall include specific estimates of the greenhouse gas emissions  
22 reductions that could be achieved through the expansion of mass transit options; and

23 [(6)] (VI) Shall include specific estimates of the reductions expected from  
24 each greenhouse gas emissions reduction measure included in the plan.

25 (2) A FINAL PLAN ADOPTED UNDER SUBSECTION (C)(2)(I) OF THIS  
26 SECTION SHALL BE IMPLEMENTED TO THE EXTENT ECONOMICALLY PRACTICABLE.

27 2-1505.

28 (a) In this section, "incremental costs" means:

29 (1) In the case of a contract for the purchase of school buses, the cost  
30 difference between purchasing and operating school buses that are zero-emission vehicles  
31 and school buses that are diesel-powered vehicles; and



1 (i) involves the construction, reconstruction, installation,  
2 demolition, restoration, or alteration of any electric infrastructure of the company, and any  
3 related traffic control activities; and

4 (ii) is funded by federal funds to meet the State's policy goals for  
5 electric system planning under Title 7, Subtitle 8 of the Public Utilities Article, including  
6 funds made available under the federal Infrastructure Investment and Jobs Act or the  
7 federal Inflation Reduction Act; and

8 (2) only to the portion of the project supported by the federal funds.

9 (b) An investor-owned electric company or gas and electric company shall require  
10 a contractor or subcontractor on a project described in subsection (a) of this section to:

11 (1) pay, **TO THE EXTENT ECONOMICALLY PRACTICABLE**, the area  
12 prevailing wage for each trade employed, including wages and fringe benefits;

13 (2) offer health care and retirement benefits to the employees working on  
14 the project;

15 (3) participate in an apprenticeship program registered with the State for  
16 each trade employed on the project;

17 (4) establish and execute a plan for outreach, recruitment, and retention of  
18 State residents to perform work on the project, with an aspirational goal of 25% of total  
19 work hours performed by Maryland residents, including residents who are:

20 (i) returning citizens;

21 (ii) women;

22 (iii) minority individuals; or

23 (iv) veterans;

24 (5) have been in compliance with federal and State wage and hour laws for  
25 the previous 3 years;

26 (6) be subject to all State reporting and compliance requirements; and

27 (7) maintain all appropriate licenses in good standing.

## 28 Article – Public Safety

29 12-503.

1           (a)   (1)   The Department shall adopt by regulation, as the Maryland Building  
2 Performance Standards, the International Building Code, including the International  
3 Energy Conservation Code, with the modifications incorporated by the Department under  
4 subsection (b) of this section.

5           (2)   The Department shall adopt each subsequent version of the Standards  
6 within 18 months after it is issued.

7           (b)   (1)   Before adopting each version of the Standards, the Department shall:

8                   (i)   review the International Building Code to determine whether  
9 modifications should be incorporated in the Standards;

10                   (ii)   consider changes to the International Building Code to enhance  
11 energy conservation and efficiency;

12                   (iii)   subject to the provisions of paragraph (2)(ii) of this subsection,  
13 adopt modifications to the Standards that allow any innovative approach, design,  
14 equipment, or method of construction that can be demonstrated to offer performance that  
15 is at least the equivalent to the requirements of:

16                           1.   the International Energy Conservation Code;

17                           2.   Chapter 13, "Energy Efficiency", of the International  
18 Building Code; or

19                           3.   Chapter 11, "Energy Efficiency", of the International  
20 Residential Code;

21                   (iv)   accept written comments;

22                   (v)   consider any comments received; and

23                   (vi)   hold a public hearing on each proposed modification.

24           (2)   (i)   Except as provided in subparagraph (ii) of this paragraph and §  
25 12-510 of this subtitle, the Department may not adopt, as part of the Standards, a  
26 modification of a building code requirement that is more stringent than the requirement in  
27 the International Building Code.

28                   (ii)   The Department may adopt energy conservation requirements  
29 that are more stringent than the requirements in the International Energy Conservation  
30 Code, but may not adopt energy conservation requirements that are less stringent than the  
31 requirements in the International Energy Conservation Code.

32           (c)   The Standards apply to each building or structure in the State for which a  
33 building permit application is received by a local jurisdiction on or after August 1, 1995.

1 (d) (1) In addition to the Standards, the Department shall:

2 [(1)] (I) on or before January 1, 2023, adopt by regulation the 2018  
3 International Green Construction Code; and

4 [(2)] (II) adopt each subsequent version of the Code within 18 months  
5 after it is issued.

6 (2) **A REGULATION ADOPTED UNDER THIS SUBSECTION SHALL ALLOW**  
7 **FOR THE INTERNATIONAL GREEN CONSTRUCTION CODE TO BE IMPLEMENTED TO**  
8 **THE EXTENT ECONOMICALLY PRACTICABLE.**

9 **Article – State Finance and Procurement**

10 4–810.

11 On or before January 1, 2030, each primary procurement unit shall ensure, **TO THE**  
12 **EXTENT ECONOMICALLY PRACTICABLE**, that at least 75% of the electricity supply  
13 procured by the unit for use in State facilities is derived from no– or low–carbon energy  
14 sources.

15 14–418.

16 (a) (1) In this section the following words have the meanings indicated.

17 (2) “Hybrid vehicle” means an automobile that can draw propulsion energy  
18 from both of the following sources of stored energy:

19 (i) gasoline or diesel fuel; and

20 (ii) a rechargeable energy storage system.

21 (3) “Light–duty vehicle” means a vehicle with a gross weight of 8,500  
22 pounds or less.

23 (4) “Passenger car” has the meaning stated in § 11–144.2 of the  
24 Transportation Article.

25 (5) “Zero–emission vehicle” has the meaning stated in § 23–206.4 of the  
26 Transportation Article.

27 (b) It is the intent of the General Assembly that, **TO THE EXTENT**  
28 **ECONOMICALLY PRACTICABLE**, 100% of:



1 (1) passenger cars in the State vehicle fleet be zero-emission vehicles by  
2 2031; and

3 (2) other light-duty vehicles in the State vehicle fleet be zero-emission  
4 vehicles by 2036.

5 (c) This section does not apply to the purchase of vehicles:

6 (1) that have special performance requirements necessary for the  
7 protection and welfare of the public; or

8 (2) by the Department of Transportation or the Maryland Transit  
9 Administration that will be used to provide paratransit service.

10 (d) **[The] TO THE EXTENT ECONOMICALLY PRACTICABLE, THE** State shall  
11 ensure that:

12 (1) (i) in fiscal years 2023 through 2025, inclusive, at least 25% of  
13 passenger cars purchased for the State vehicle fleet are zero-emission vehicles;

14 (ii) in fiscal years 2026 and 2027, at least 50% of passenger cars  
15 purchased for the State vehicle fleet are zero-emission vehicles;

16 (iii) beginning in fiscal year 2028, 100% of passenger cars purchased  
17 for the State vehicle fleet are zero-emission vehicles; and

18 (iv) beginning in fiscal year 2024, any passenger car purchased for  
19 the State vehicle fleet that is not a zero-emission vehicle is a hybrid vehicle; and

20 (2) (i) in fiscal years 2028 through 2030, inclusive, at least 25% of all  
21 other light-duty vehicles purchased for the State vehicle fleet are zero-emission vehicles;

22 (ii) in fiscal years 2031 and 2032, at least 50% of all other light-duty  
23 vehicles purchased for the State vehicle fleet are zero-emission vehicles; and

24 (iii) beginning in fiscal year 2033, 100% of all other light-duty  
25 vehicles purchased for the State vehicle fleet are zero-emission vehicles.

26 (e) The Department of General Services shall ensure the development of charging  
27 infrastructure to support the operation of zero-emission vehicles in the State vehicle fleet.

28 (f) (1) On or before December 1 each year, the Chief Procurement Officer shall  
29 submit to the General Assembly, in accordance with § 2-1257 of the State Government  
30 Article, an annual report that includes, for the immediately preceding fiscal year:

31 (i) the total number of passenger cars and other light-duty vehicles  
32 purchased by each unit;

1 (ii) the number of zero-emission passenger cars and other  
2 light-duty vehicles purchased by each unit;

3 (iii) the current percentage of passenger cars and other light-duty  
4 vehicles in the State vehicle fleet that are zero-emission vehicles;

5 (iv) any operational savings associated with the purchase and  
6 operation of zero-emission vehicles; and

7 (v) an evaluation of the charging infrastructure that exists to  
8 support the operation of zero-emission vehicles in the State vehicle fleet.

9 (2) Each unit shall cooperate with the Chief Procurement Officer in the  
10 collection and reporting of the information required under this subsection.

11 SECTION 4. AND BE IT FURTHER ENACTED, That Section 2 of this Act shall take  
12 effect on the taking effect of the termination provision specified in Section 17 of Chapter 38  
13 of the Acts of the General Assembly of 2022. If that termination provision takes effect,  
14 Section 1 of this Act, with no further action required by the General Assembly, shall be  
15 abrogated and of no further force and effect. This Act may not be interpreted to have any  
16 effect on that termination provision.

17 SECTION 5. AND BE IT FURTHER ENACTED, That, subject to the provisions of  
18 Section 4 of this Act, this Act shall take effect October 1, 2025.