

SB0414/570317/1

BY: Environment and Transportation Committee

AMENDMENTS TO SENATE BILL 414
(Third Reading File Bill)

AMENDMENT NO. 1

On page 1, strike beginning with “providing” in line 5 down through “funding;” in line 13; in line 13, after “the” insert “Department of the Environment, in consultation with the”; in line 14, after “Communities” insert “and certain State agencies,”; strike beginning with “Commission” in line 16 down through “Communities” in line 17 and substitute “Department of the Environment”; and strike beginning with “requiring” in line 18 down through “circumstances;” in line 22.

On page 2, strike beginning with “requiring” in line 24 down through “Code;” in line 47 and substitute “requiring the Maryland Department of Labor to adopt by regulation the most recent version of the International Green Construction Code on or before a certain date; requiring the Maryland Department of Labor to adopt each subsequent version of the International Green Construction Code within a certain period of time; requiring certain commercial buildings to have a roof that meets certain requirements; requiring the Maryland Department of Labor to adopt certain regulations for certain commercial buildings on or before a certain date;”.

On page 3, in line 6, after “funds;” insert “requiring the State to install a certain heating, ventilation, and air-conditioning system in certain State buildings under certain circumstances;”; strike beginning with “repealing” in line 6 down through “buildings;” in line 8; in line 9, strike “, schools,”; strike beginning with “and” in line 10 down through “buildings” in line 11; in lines 13 and 15, in each instance, after “cars” insert “and other light-duty vehicles”; in line 13, strike “a certain year” and substitute “certain years”; strike beginning with “establishing” in line 21 down through “circumstances;” in line 39; and in line 44, after “Fund” insert “or from debt of the Maryland Department of Transportation”.

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On page 4, in line 8, after the second “of” insert “diverse”; and in line 42, after “funding;” insert “requiring the Governor to include in the annual budget bill certain appropriations for certain purposes for certain fiscal years; requiring each unit of State government responsible for awarding a contract for the procurement of concrete or a certain contract that includes the purchase or use of concrete in the performance of the contract to give a certain percentage price preference to the procurement, or required use under the contract, of certain concrete mix designs that consist of Type 1L or blended cement and that meet certain other standards and specifications; providing that a certain percentage price preference shall only apply to a certain portion of a contract; requiring the Board of Public Works to adopt certain regulations; requiring the Board to publish certain guidelines on the Board’s website; establishing the Blue Ribbon Solar Land Use Commission; providing for the composition, cochairs, and staffing of the Blue Ribbon Solar Land Use Commission; prohibiting a member of the Blue Ribbon Solar Land Use Commission from receiving certain compensation, but authorizing the reimbursement of certain expenses; requiring the Blue Ribbon Solar Land Use Commission to study and make recommendations regarding certain matters relating to the State’s solar energy goals under the Renewable Energy Portfolio Standard; requiring the Blue Ribbon Solar Land Use Commission to report its findings and recommendations to the Governor and the General Assembly on or before a certain date;”.

On page 5, strike beginning with “requiring” in line 6 down through “account” in line 10 and substitute “stating the intent of the General Assembly that the Public Service Commission continue with the submission of certain plans and the making of certain determinations; requiring the Maryland Energy Administration and the Power Plant Research Program to jointly report to the Governor and General Assembly on or before a certain date on certain matters relating to solar installations on commercial and industrial property; requiring the Department of the Environment to report to the Governor and the General Assembly on or before a certain date on certain matters relating to least cost options for carbon reductions in the building sector; requiring the Department of the Environment to report to the Governor and the General Assembly on or before a certain date on certain matters relating to reducing statewide greenhouse

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gas emissions by a certain percentage from certain levels by a certain year"; in line 10, after "definitions;" insert "providing for the construction of this Act;"; strike in their entirety lines 21 through 25, inclusive; in line 28, strike "1-701(a) and (h);" and strike in their entirety lines 32 through 36, inclusive.

On page 6, after line 5, insert:

"BY repealing and reenacting, with amendments,
Article – Public Safety
Section 12-503
Annotated Code of Maryland
(2018 Replacement Volume and 2020 Supplement)";

in line 8, strike "through 12-513"; in line 18, strike ", 4-809(f), and 6-226(a)(2)(ii)122. and 123." and substitute "and 4-809(f)"; strike in their entirety lines 21 through 25, inclusive; in line 28, strike "6-226(a)(2)(ii)124. and" and substitute "4-410.1,"; and in the same line, after "14-417" insert ", and 14-418".

On pages 6 and 7, strike in their entirety the lines beginning with line 31 on page 6 through line 5 on page 7, inclusive.

On page 8, strike in their entirety lines 12 through 29, inclusive.

AMENDMENT NO. 2

On pages 8 and 9, strike in their entirety the lines beginning with line 36 on page 8 through line 2 on page 9, inclusive.

On page 9, after line 5, insert:

"2-1205.

(c) (3) [The plans shall be developed in recognition of the finding by the Intergovernmental Panel on Climate Change that developed countries will need to reduce greenhouse gas emissions by between 80% and 95% from 1990 levels by 2050]
THE DEPARTMENT SHALL:

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(I) ON OR BEFORE DECEMBER 31, 2030, ADOPT A FINAL PLAN THAT ACHIEVES NET-ZERO STATEWIDE GREENHOUSE GAS EMISSIONS BY 2045; AND

(II) ON OR BEFORE DECEMBER 31, 2035, REVIEW AND, AS NECESSARY, REVISE THE FINAL PLAN TO ACHIEVE NET-ZERO STATEWIDE GREENHOUSE GAS EMISSIONS BY 2045.”.

On pages 9 through 12, strike in their entirety the lines beginning with line 8 on page 9 through line 28 on page 12, inclusive, and substitute:

“Article – Environment”.

On page 12, in line 30, strike “COMMISSION” and substitute “**DEPARTMENT, IN CONSULTATION WITH THE COMMISSION, THE MARYLAND DEPARTMENT OF HEALTH, THE MARYLAND DEPARTMENT OF LABOR, AND THE DEPARTMENT OF PLANNING,**”.

On pages 12 and 13, strike beginning with “AND” in line 31 on page 12 down through “PLANNING,” in line 2 on page 13.

On page 13, in line 17, strike “COMMISSION” and substitute “**DEPARTMENT**”.

On pages 13 and 14, strike in their entirety the lines beginning with line 31 on page 13 through line 16 on page 14, inclusive.

On page 15, after line 12, insert:

“2-1204.1.

The State shall reduce statewide greenhouse gas emissions by [40%] 50% from 2006 levels by 2030.”.

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On page 15, in lines 18 and 26, in each instance, strike “60%” and substitute “50%”.

On pages 15 and 16, strike in their entirety the lines beginning with line 30 on page 15 through line 7 on page 16, inclusive.

On page 19, in line 9, after the semicolon insert “AND”; and strike beginning with the semicolon in line 11 down through “EQUIVALENT” in line 13.

On page 23, strike beginning with “COMMISSION” in line 30 down through “COMMUNITIES” in line 31 and substitute “DEPARTMENT”.

AMENDMENT NO. 3

On page 24, after line 23, insert:

“12-503.

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

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

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

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

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

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

1. the International Energy Conservation Code;
2. Chapter 13, “Energy Efficiency”, of the International Building Code; or
3. Chapter 11, “Energy Efficiency”, of the International Residential Code;

(iv) accept written comments;

(v) consider any comments received; and

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

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

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

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

(d) (1) In addition to the Standards, the Department [may] SHALL adopt by regulation THE MOST RECENT VERSION OF the International Green Construction Code ON OR BEFORE DECEMBER 1, 2022.

(2) THE DEPARTMENT SHALL ADOPT EACH SUBSEQUENT VERSION OF THE INTERNATIONAL GREEN CONSTRUCTION CODE WITHIN 18 MONTHS AFTER IT IS ISSUED.

On page 25, strike in their entirety lines 3 through 5, inclusive; in line 6, strike “(4)” and substitute “(3) (I)”; in line 7, strike “AT LEAST 40% OF”; in lines 8 and 9, strike “(I)” and “(II)”, respectively, and substitute “1.” and “2.”, respectively; after line 10, insert:

“(II) “SOLAR-READY” DOES NOT INCLUDE ANY ROOF AREA THAT IS OCCUPIED BY:

- 1. A REFLECTIVE ROOFING SYSTEM; OR**
- 2. A VEGETATIVE TERRACE OR OTHER VEGETATED GREEN ROOFING SYSTEM.”;**

and after line 14, insert:

“(C) A COMMERCIAL BUILDING THAT MEETS THE REQUIREMENTS OF APPENDIX CA (SOLAR-READY ZONE-COMMERCIAL) OF THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE SHALL HAVE A ROOF THAT IS AT LEAST 40% SOLAR-READY, REFLECTIVE, OR GREEN.

(D) (1) ON OR BEFORE JULY 1, 2022, THE DEPARTMENT SHALL ADOPT REGULATIONS TO IMPLEMENT THIS SECTION.

(2) THE REGULATIONS ADOPTED UNDER THIS SUBSECTION SHALL APPLY TO EACH COMMERCIAL BUILDING SUBJECT TO THE REQUIREMENTS OF

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SUBSECTION (C) OF THIS SECTION FOR WHICH A BUILDING PERMIT APPLICATION IS RECEIVED ON OR AFTER JANUARY 1, 2023.

On pages 25 through 28, strike in their entirety the lines beginning with line 15 on page 25 through line 32 on page 28, inclusive.

AMENDMENT NO. 4

On page 30, in line 14, strike "**A.**"; in line 18, strike "**B.**" and substitute "**2.**"; in the same line, strike "**SCHOOL OR**"; in lines 24 and 28, in each instance, strike the bracket; and in lines 24 and 28, strike "**2.**" and "**3.**", respectively.

On pages 30 and 31, strike beginning with the semicolon in line 31 on page 30 down through "**SERVICES**" in line 6 on page 31.

On page 31, after line 21, insert:

"(2) THIS SUBSECTION DOES NOT APPLY TO A CAPITAL PROJECT FOR THE CONSTRUCTION OR MAJOR RENOVATION OF A SCHOOL BUILDING.";

and in line 22, strike "(2)" and substitute "**(3)**".

On page 32, after line 12, insert:

"4-410.1.

(A) (1) IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS INDICATED.

(2) "HIGH EFFICIENCY HVAC SYSTEM" MEANS A HIGH EFFICIENCY HEATING, VENTILATION, AND AIR-CONDITIONING (HVAC) SYSTEM THAT CONTAINS A GEOTHERMAL ENERGY SYSTEM, A WATER COOLED SYSTEM, OR AN EQUIVALENT ALL-ELECTRIC ENERGY EFFICIENT SYSTEM.

(3) (I) “STATE BUILDING” MEANS:

1. A BUILDING CONSTRUCTED BY OR FOR THE STATE WHERE A STATE AGENCY OR DEPARTMENT WILL OCCUPY MORE THAN 50% OF THE BUILDING FOR A LEASE OF AT LEAST 15 YEARS; OR

2. A BUILDING CONSTRUCTED FOR WHICH MORE THAN 50% OF THE MONEY FOR THE CONSTRUCTION CAME FROM STATE FUNDS.

(II) “STATE BUILDING” DOES NOT INCLUDE A PUBLIC SCHOOL BUILDING.

(B) THIS SECTION APPLIES ONLY TO NEW CONSTRUCTION.

(C) THE STATE SHALL INSTALL A HIGH EFFICIENCY HVAC SYSTEM IN EACH STATE BUILDING IF A LIFE-CYCLE ANALYSIS, BASED ON A 15-YEAR PERIOD, CONCLUDES THAT THE NET PRESENT VALUE FOR THE HIGH EFFICIENCY HVAC SYSTEM IS LESS THAN AN HVAC SYSTEM THAT COMPLIES WITH MINIMUM STANDARDS OF THE INTERNATIONAL CODE COUNCIL.”.

On page 32, in lines 26 and 31, in each instance, strike the bracket; in line 31, before “ENSURE” insert “;AND

(7);

in the same line, strike “, PUBLIC SCHOOLS,”; and in line 32, strike “THAT ARE REQUIRED TO”.

On page 33, strike beginning with “OR” in line 1 down through “FUND” in line 19.

AMENDMENT NO. 5

On page 33, after line 24, insert:

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“(2) “LIGHT-DUTY VEHICLE” MEANS A VEHICLE WITH A GROSS WEIGHT OF 8,500 POUNDS OR LESS.”;

and in lines 25 and 27, strike **“(2)”** and **“(3)”**, respectively, and substitute **“(3)”** and **“(4)”**, respectively.

On page 34, strike beginning with the first **“THE”** in line 1 down through **“PRACTICABLE”** in line 3 and substitute **“OTHER LIGHT-DUTY VEHICLES IN THE STATE VEHICLE FLEET BE ZERO-EMISSION VEHICLES BY 2035”;**

in line 18, after **“(1)”** insert **“(I)”**; and in lines 21 and 24, strike **“(2)”** and **“(3)”**, respectively, and substitute **“(II)”** and **“(III)”**, respectively.

On page 34, in line 25, after **“VEHICLES”** insert **“; AND**

(2) (I) IN FISCAL YEARS 2027 THROUGH 2029, INCLUSIVE, AT LEAST 25% OF ALL OTHER LIGHT-DUTY VEHICLES PURCHASED FOR THE STATE VEHICLE FLEET ARE ZERO-EMISSION VEHICLES;

(II) IN FISCAL YEARS 2030 AND 2031, AT LEAST 50% OF ALL OTHER LIGHT-DUTY VEHICLES PURCHASED FOR THE STATE VEHICLE FLEET ARE ZERO-EMISSION VEHICLES; AND

(III) BEGINNING IN FISCAL YEAR 2032, 100% OF ALL OTHER LIGHT-DUTY VEHICLES PURCHASED FOR THE STATE VEHICLE FLEET ARE ZERO-EMISSION VEHICLES”.

On page 35, in lines 2, 4, and 6, in each instance, after **“CARS”** insert **“AND OTHER LIGHT-DUTY VEHICLES”**.

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On pages 35 through 39, strike in their entirety the lines beginning with line 16 on page 35 through line 9 on page 39, inclusive.

On page 41, in line 13, after “**FUND**” insert “**OR FROM DEBT OF THE MARYLAND DEPARTMENT OF TRANSPORTATION**”.

AMENDMENT NO. 6

On page 43, in line 15, after “**WITH**” insert “:

(1) MONEY APPROPRIATED UNDER SUBSECTION (C) OF THIS SECTION; OR

(2); in the same line, strike the first “**THE**” and substitute “**THE**”;

after line 16, insert:

“(C) (1) FOR EACH OF FISCAL YEARS 2024 THROUGH 2031, THE GOVERNOR SHALL INCLUDE IN THE ANNUAL BUDGET BILL AN APPROPRIATION OF \$2,500,000 TO FUND TREE PLANTINGS UNDER THIS SECTION AND OTHER TREE-PLANTING PROGRAMS ON AGRICULTURAL LAND.

(2) THE MONEY APPROPRIATED UNDER THIS SUBSECTION IS SUPPLEMENTAL TO AND MAY NOT TAKE THE PLACE OF FUNDING THAT OTHERWISE WOULD BE APPROPRIATED FOR TREE PLANTINGS UNDER THIS SECTION AND OTHER TREE-PLANTING PROGRAMS ON AGRICULTURAL LAND.”;

in line 21, after “**OF**” insert “**DIVERSE**”; in line 22, strike “**2030**” and substitute “**2031**”; and in line 27, after “**PLANTINGS**” insert “**OF DIVERSE SPECIES**”.

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On page 45, in line 19, strike “**2022 THROUGH 2030**” and substitute “**2023 THROUGH 2031**”; and after line 33, insert:

“(4) (I) FOR EACH OF FISCAL YEARS 2024 THROUGH 2031, THE GOVERNOR SHALL INCLUDE IN THE ANNUAL BUDGET BILL AN APPROPRIATION OF \$2,500,000 TO THE FUND, TO BE USED, SUBJECT TO THE REQUIREMENTS OF SUBPARAGRAPH (II) OF THIS PARAGRAPH, FOR TREE PLANTINGS ON PUBLIC AND PRIVATE LAND.

(II) THE MONEY APPROPRIATED UNDER THIS PARAGRAPH:

1. MAY BE DISTRIBUTED IN ACCORDANCE WITH § 8-2A-04(C)(2) OF THIS SUBTITLE;

2. MAY BE USED TO COVER THE COSTS OF:

A. SITE PREPARATION, LABOR, AND MATERIALS FOR TREE-PLANTING PROJECTS;

B. MAINTAINING TREES FOLLOWING A TREE-PLANTING PROJECT; AND

C. LANDOWNER INCENTIVE PAYMENTS OR SIGNING BONUSES OF UP TO \$1,000 PER ACRE OF TREES PLANTED;

3. MAY NOT BE USED TO PLANT TREES INTENDED FOR TIMBER HARVEST; AND

4. MAY BE USED ONLY FOR TREE PLANTINGS ON PRIVATE LAND IF THE LANDOWNER ENTERS INTO A BINDING LEGAL AGREEMENT TO MAINTAIN THE PLANTED AREA IN TREE COVER FOR AT LEAST 15 YEARS.

(III) THE MONEY APPROPRIATED UNDER THIS PARAGRAPH IS SUPPLEMENTAL TO AND MAY NOT TAKE THE PLACE OF FUNDING THAT OTHERWISE WOULD BE APPROPRIATED FOR TREE PLANTINGS ON PUBLIC AND PRIVATE LAND.”.

On page 48, in line 25, strike “AND” and substitute:

“(II) MONEY APPROPRIATED IN THE STATE BUDGET TO THE PROGRAM; AND”;

and in line 26, strike “(II)” and substitute “(III)”.

On page 49, after line 13, insert:

“(H) (1) FOR EACH OF FISCAL YEARS 2024 THROUGH 2031, THE GOVERNOR SHALL INCLUDE IN THE ANNUAL BUDGET BILL AN APPROPRIATION OF \$10,000,000 FOR THE PROGRAM.

(2) THE MONEY APPROPRIATED UNDER THIS SUBSECTION IS SUPPLEMENTAL TO AND MAY NOT TAKE THE PLACE OF FUNDING THAT OTHERWISE WOULD BE APPROPRIATED FOR THE PROGRAM.”;

and in line 30, strike “TRANSFERS” and substitute “TRANSFER”.

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On page 50, in line 1, strike “YEARS” and substitute “YEAR 2023”; in the same line, strike “2023 THROUGH 2031”; and in lines 3, 6, and 11, in each instance, strike “PER FISCAL YEAR”.

On pages 51 and 52, strike in their entirety the lines beginning with line 5 on page 51 through line 24 on page 52, inclusive.

AMENDMENT NO. 7

On page 52, after line 24, insert:

“SECTION 6. AND BE IT FURTHER ENACTED, That the Laws of Maryland read as follows:

Article – State Finance and Procurement

14-418.

(A) IN THIS SECTION, “CONCRETE” MEANS STRUCTURAL AND NONSTRUCTURAL MASONRY AND READY MIX CONCRETE BUILDING PRODUCTS.

(B) EACH UNIT RESPONSIBLE FOR AWARDING A CONTRACT FOR THE PROCUREMENT OF CONCRETE OR A CONTRACT THAT INCLUDES THE PURCHASE OR USE OF CONCRETE IN THE PERFORMANCE OF THE CONTRACT SHALL GIVE A PERCENTAGE PRICE PREFERENCE, AS DETERMINED BY THE BOARD, TO THE PROCUREMENT, OR REQUIRED USE UNDER THE CONTRACT, OF A CONCRETE MIX DESIGN THAT:

(1) CONSISTS OF TYPE 1L CEMENT OR AN ASTM C595 BLENDED CEMENT WITH SLAG CEMENT, FLY ASH, OR NATURAL POZZOLAN;

(2) MEETS SPECIFICATIONS SET BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS; AND

(3) MEETS OR EXCEEDS ANY OTHER ENGINEERING PERFORMANCE

STANDARDS SET BY THE STATE.

(C) THE PERCENTAGE PRICE PREFERENCE IN SUBSECTION (B) OF THIS SECTION SHALL ONLY APPLY TO THE PORTION OF A CONTRACT THAT IS DIRECTLY ATTRIBUTABLE TO THE COST OF THE CONCRETE.

(D) THE BOARD SHALL ADOPT REGULATIONS TO IMPLEMENT THIS SECTION, INCLUDING REGULATIONS THAT:

(1) ESTABLISH GUIDELINES TO ASSIST UNITS IN DETERMINING WHICH CONTRACTS ARE SUBJECT TO THE REQUIREMENTS OF THIS SECTION; AND

(2) PROVIDE FOR THE MONITORING OF THE IMPLEMENTATION OF THIS SECTION.

(E) THE BOARD SHALL PUBLISH ON THE BOARD'S WEBSITE THE GUIDELINES ESTABLISHED IN ACCORDANCE WITH SUBSECTION (D) OF THIS SECTION.

SECTION 7. AND BE IT FURTHER ENACTED, That:

(a) There is a Blue Ribbon Solar Land Use Commission.

(b) The Commission consists of the following members:

(1) one member of the Senate of Maryland, appointed by the President of the Senate;

(2) one member of the House of Delegates, appointed by the Speaker of the House;

(3) the Secretary of Agriculture, or the Secretary's designee;

(4) the Secretary of Natural Resources, or the Secretary's designee;

(5) the Chairman of the Public Service Commission, or the Chairman's designee;

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(6) one representative of the Maryland Association of Counties, selected by the Maryland Association of Counties; and

(7) the following members, appointed by the Governor:

(i) one representative of the Maryland Farm Bureau;

(ii) one representative of the Coalition for Community Solar
Access;

(iii) one representative of the Chesapeake Solar & Storage
Association; and

(iv) one representative of the Chesapeake Climate Action
Network.

(c) The member of the Senate of Maryland and the member of the House of Delegates shall cochair the Commission.

(d) The Power Plant Research Program in the Department of Natural Resources shall staff the Commission.

(e) A member of the Commission:

(1) may not receive compensation as a member of the Commission; but

(2) is entitled to reimbursement for expenses under the Standard State Travel Regulations, as provided in the State budget.

(f) The Commission shall study and make recommendations regarding the land use needs to meet the State's solar energy goals under the Renewable Energy Portfolio Standard, including:

(1) the total area of land, including agricultural land, that is likely necessary to meet the solar energy goals in a manner that is cost-effective for ratepayers in the State;

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(2) the total number of megawatts of solar electricity that is needed to meet the solar energy goals;

(3) the rate of rooftop solar panels compared to ground-mounted solar panels that is needed to meet the number of megawatts of solar electricity identified under item (2) of this subsection;

(4) the number of ground-mounted solar panels that would be required to be allocated to each county, including Baltimore City, to meet the number of megawatts of solar electricity identified under item (2) of this subsection, based on the following equally weighted factors:

(i) the county's population;

(ii) the county's total area; and

(iii) how much of the county is agricultural land; and

(5) any other matter that the Commission considers necessary to help the State meet its solar energy goals in a cost-effective manner.

(g) On or before June 1, 2022, the Commission shall report its findings and recommendations to the Governor and, in accordance with § 2-1257 of the State Government Article, the General Assembly.”;

and in line 25, strike “7.” and substitute “8.”.

On page 53, in line 2, after “(4)” insert “the Secretary of Transportation, or the Secretary's designee;”

(5)”;

and in lines 3, 5, 7, 10, 12, 14, 16, 18, 20, 23, and 25, strike “(5)”, “(6)”, “(7)”, “(8)”, “(9)”, “(10)”, “(11)”, “(12)”, “(13)”, “(14)”, and “(15)”, respectively, and substitute “(6)”, “(7)”, “(8)”, “(9)”, “(10)”, “(11)”, “(12)”, “(13)”, “(14)”, “(15)”, and “(16)”, respectively.

On page 54, in line 6, after “5,000,000” insert “diverse”; in the same line, strike “2030” and substitute “2031”; in line 18, after “quality” insert “and wildlife habitat”;

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and in line 25, after “planted” insert “ensuring that species are diverse and not monoculture plantings”.

On page 55, strike in their entirety lines 15 through 18, inclusive, and substitute:

“SECTION 9. AND BE IT FURTHER ENACTED, That:

(a) Subject to subsection (b) of this section, it is the intent of the General Assembly that the Public Service Commission continue with the submission of plans and making the determinations required under Sections 2 and 3 of Chapters 14 and 780 of the Acts of the General Assembly of 2017.

(b) The determination of the advisability of maintaining the methodology and magnitude of the savings trajectory established in § 7–211(g)(2) of the Public Utilities Article shall take into account the changes made in § 7–211(g)(2) of the Public Utilities Article, as enacted by this Act.

SECTION 10. AND BE IT FURTHER ENACTED, That on or before June 1, 2022, the Maryland Energy Administration and the Power Plant Research Program in the Department of Natural Resources shall jointly:

(1) conduct a study to identify and assess policies and cost considerations relating to solar installations on commercial and industrial property, including policies and cost considerations relating to storage, net metering, aggregation and capacity, rate structure, infrastructure readiness, and interconnection; and

(2) report to the Governor and, in accordance with § 2-1257 of the State Government Article, the General Assembly on the findings of the study required under item (1) of this section.

SECTION 11. AND BE IT FURTHER ENACTED, That, on or before June 1, 2022, the Department of the Environment shall:

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(1) conduct a study on least cost options for carbon reductions in the building sector, including a study of the market potential and consumer economics of renewable thermal and beneficial electrification that examines incremental first costs, payback periods, appropriate incentive levels, and source greenhouse gas emissions savings associated with oil, propane, electric, and natural gas options; and

(2) report to the Governor and, in accordance with § 2-1257 of the State Government Article, the General Assembly on the findings of the study required under item (1) of this section.

SECTION 12. AND BE IT FURTHER ENACTED, That, on or before December 15, 2021, the Department of the Environment, in consultation with the Maryland Commission on Climate Change, shall:

(1) conduct a study on the opportunities for and the challenges of achieving a 60% reduction in statewide greenhouse gas emissions from 2006 levels by 2035, taking into account new federal programs on infrastructure and clean energy; and

(2) report to the Governor and, in accordance with § 2-1257 of the State Government Article, the General Assembly on the findings of the study required under item (1) of this section.

SECTION 13. AND BE IT FURTHER ENACTED, That this Act may not be construed to limit a local jurisdiction's authority to adopt energy conservation requirements for buildings that are more stringent than energy conservation requirements for buildings established under State law or regulation.”;

in lines 19, 20, 21, 23, and 33, strike “9.”, “4”, “2025”, “10.”, and “12.”, respectively, and substitute “14.”, “9”, “2030”, “15.” and “16.”, respectively; strike in their entirety lines 27 through 32, inclusive; in lines 33 and 35, in each instance, strike “Section 7” and substitute “Sections 7 and 8”; in line 34, strike “It” and substitute “Sections 7 and 8”; and after line 36, insert:

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“SECTION 17. AND BE IT FURTHER ENACTED, That Section 6 of this Act shall take effect July 1, 2022.”.

On page 56, in line 1, strike “13.” and substitute “18.”; in line 2, strike “9” and substitute “14”; and in the same line, strike “12” and substitute “17”.