

1 HOUSE BILL NO. 151  
 2 AMENDMENT IN THE NATURE OF A SUBSTITUTE  
 3 (Proposed by the House Committee on General Laws  
 4 on \_\_\_\_\_)  
 5 (Patron Prior to Substitute--Delegate Helmer)

6 A BILL to amend and reenact § 15.2-1804.1 of the Code of Virginia, relating to Department of Energy;  
 7 building standards for certain local buildings.

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

9 **1. That § 15.2-1804.1 of the Code of Virginia is amended and reenacted as follows:**

10 **§ 15.2-1804.1. (For applicability, see Acts 2021, Sp. Sess. I, c. 473, cl. 2) Building by locality;**  
 11 **high performance standards.**

12 A. As used in this section:

13 "Appropriate resilience features" means features that are included to prepare for, by reducing risk  
 14 or enabling recovery, acts of nature, failures of systems, or adversarial acts that could cause a major  
 15 disruption to building functionality. A locality maintains the responsibility for identifying those potential  
 16 hazards for which a project should prepare and for determining the sufficiency of the incorporated features  
 17 to address the potential hazard, following consideration of any guidance pursuant to subsection E.

18 "Commissioning" means the process of ensuring functional performance of mechanical  
 19 equipment, water heating equipment, lighting, automated control systems, and building envelope,  
 20 including the steps described in the ICC G4-2018 "Guideline for Commissioning" or successor guidelines  
 21 and additional guidelines as may be applicable to such systems.

22 "Design phase" means the design of a building construction or renovation project, which, until  
 23 July 1, 2025, shall be inclusive of the issuance of a request for proposal and the project budget approval,  
 24 and after July 1, 2025, shall be based on the effective execution date of the contract with the design team.

25 "EV" means an electric vehicle.

26 "High performance building certification program" means a public building design, construction,  
27 and renovation program that achieves certification using the U.S. Green Building Council's Leadership in  
28 Energy and Environmental Design (LEED) green building rating standard or the Green Building  
29 Initiative's "Green Globes" building standard, ~~or meets the requirements of VEES.~~ For buildings 50,000  
30 square feet and smaller, Earthcraft Light Commercial at the silver level may instead be used for  
31 certification under this section.

32 "Locality" means a county, city, or town, inclusive of a school division.

33 "Major disruption" means a disturbance that interrupts the normal activities that are conducted in  
34 a building for a duration of time that would require that building to temporarily or permanently cease  
35 operations. Localities may define the parameters that would constitute a major disruption based on the  
36 nature and duration of a disrupting event, as well as on building typology, consistent with any guidance  
37 pursuant to subsection E.

38 "Sufficient ZEV charging and fueling infrastructure" means the provision of ~~ZEV charging or~~  
39 ~~fueling infrastructure, including EV ready charging electrical capacity and pre-wiring, (i) sufficient to~~  
40 ~~support every passenger type vehicle owned by the locality and available for use by the locality that will~~  
41 ~~be located at such building upon full occupancy, meet projected demand for such infrastructure during the~~  
42 ~~first 10 years following building occupancy, or (ii) that achieves the current ZEV or EV charging credit~~  
43 ~~for a high performance building certification program~~ EV supply equipment, EV-ready charging electrical  
44 capacity and pre-wiring, or fueling infrastructure for other ZEVs that is deemed sufficient based on  
45 meeting relevant guidelines or recommendations available during the design phase of a project from either  
46 the Virginia Department of Energy pursuant to subsection E or the U.S. Department of Energy.

47 "~~VEES~~" means the ~~Virginia Energy Conservation and Environmental Standards developed by the~~  
48 ~~Department considering the U.S. Green Building Council (LEED) green building rating standard, the~~  
49 ~~Green Building Initiative "Green Globes" building standard, and other appropriate requirements as~~  
50 ~~determined by the Department.~~

51 "ZEV" means a zero-emissions vehicle.

52 B. Any locality entering the design phase for the construction of a new building greater than 5,000  
53 gross square feet in size, or the renovation of a building where the cost of the renovation exceeds 50  
54 percent of the value of the building, shall ensure that such building:

55 1. Is designed, constructed, verified, and operated to comply with a high performance building  
56 certification program;

57 2. Has sufficient ZEV charging and fueling infrastructure. ~~In making a sufficiency determination,~~  
58 ~~the locality may also consider the interest of the Commonwealth in providing infrastructure for nearby~~  
59 ~~locations, geographical gaps in ZEV charging infrastructure, availability of incentives, and other factors;~~

60 3. Has features that permit the agency or institution to measure the building's energy consumption  
61 and associated carbon emissions, including metering of all electricity, gas, water, and other utilities; and

62 4. Incorporates appropriate onsite renewable energy generation, energy storage, and resilience and  
63 distributed energy features as determined by the locality and following consideration of any guidance  
64 pursuant to subsection E.

65 C. Notwithstanding the provisions of subsection B, for any such construction or renovation of a  
66 building that is less than 20,000 gross square feet in size, the locality may instead ensure that such building  
67 achieves the relevant ENERGY STAR certification and implement ~~mechanical, electrical, plumbing, and~~  
68 ~~envelope~~ commissioning. In the event that the specific building type is not eligible for ENERGY STAR  
69 certification, then the locality shall demonstrate, using energy modeling, that the project has been designed  
70 to perform at least as well as the ENERGY STAR Target Finder value for that building type or that the  
71 project has been designed to meet equivalent standards for such building types as provided in guidance  
72 pursuant to subsection E.

73 D. Upon a finding that special circumstances make the construction or renovation to the standards  
74 impracticable, the governing body of such locality may, by resolution, grant an exemption from any such  
75 design and construction standards. Such resolution shall be made in writing and shall explain the basis for  
76 granting the exemption. If the local governing body cites cost as a factor in granting an exemption, the  
77 local governing body shall include a comparison of the cost the locality will incur over the next 20 years

78 or the lifecycle of the project, whichever is shorter, if the locality does not comply with the standards  
79 required by subsection B versus the costs to the locality if the locality were to comply with such standards.

80 E. The Department of Energy shall upon request provide technical assistance related to subsections  
81 A, B, and C to localities subject to available budgetary resources. Such technical assistance may include  
82 the issuance of guidance. Localities shall provide to the Department information on activities under this  
83 section and shall identify any needs the locality may have for technical assistance and training to comply  
84 with this section.

85 ~~E-F.~~ Any local governing body may, by ordinance, adopt its own green design and construction  
86 program ~~that includes standards that are~~. When a local program includes standards that address all of the  
87 requirements in subsection B and is equal in stringency to or more stringent than any equivalent standard  
88 the standards in subsection B. ~~While such program remains in effect,~~ the locality shall be deemed  
89 compliant with the provisions of this section.

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