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**SENATE BILL NO. 371**  
**AMENDMENT IN THE NATURE OF A SUBSTITUTE**  
 (Proposed by the House Committee on Labor and Commerce  
 on \_\_\_\_\_)

(Patrons Prior to Substitute—Senators McPike and Srinivasan [SB 551])

A *BILL* to amend the Code of Virginia by adding in Chapter 23 of Title 56 a section numbered 56-596.7, relating to electric utilities; high energy demand customers; electric demand flexibility programs; reports.

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

**1. That the Code of Virginia is amended by adding in Chapter 23 of Title 56 a section numbered 56-596.7 as follows:**

**§ 56-596.7. Electric demand flexibility programs; high energy demand customers; reporting requirements.**

A. As used in this section:

"Capacity reduction credit" means a measured and verified standard unit of demand flexibility as approved by the Commission pursuant to this section.

"Cooperative" means a utility consumer services cooperative organized under Article 1 (§ 56.231.15 et seq.) of Chapter 9.1.

"Demand flexibility" means lowering electric grid system load requirements or shifting such requirements from time periods of peak system demand to time periods of lower system demand, including through programs by which high energy demand customers temporarily reduce or interrupt their electricity usage or through programs by which high energy demand customers secure measurable and verifiable electric load reductions from other retail electric service customers during time periods of peak system demand or other events that cause strain on the electric grid in the Commonwealth.

"High energy demand customer" means a retail electric service customer that has a contracted or measured electric demand of 25 megawatts or greater and an anticipated or measured average annual electric load factor of 75 percent or greater and that is not a contracted defense facility as defined in subsection D of § 18.2-121.3.

"Phase I Utility" and "Phase II Utility" have the same meanings as defined in subdivision A 1 of § 56-585.1.

B. 1. By January 15, 2027, each Phase I and Phase II Utility shall file a petition with the Commission for approval of a voluntary demand flexibility program that applies to high energy demand customers in the respective service territory of each such utility and that is designed to reasonably maximize electric grid system savings and improve reliability for retail electric service customers in the respective service territory of each such utility. The Commission shall issue a final order on such petitions no later than November 30, 2027. For each demand flexibility program established under this subsection, the Commission shall determine an appropriate demand flexibility standard, which each utility shall, working with its high energy demand customers, make best, reasonable efforts to meet or exceed annually. The Commission may establish separate standards for high energy demand customers beginning service before and after July 1, 2026. In reviewing such petitions, the Commission shall consider relevant provisions of other proceedings related to demand flexibility and may make any necessary modifications to such other proceedings to effectuate the provisions of this section.

2. In approving each such program to be established by a Phase I Utility or Phase II Utility, each utility shall in its petition provide analysis of, and the Commission shall consider, all forms of demand flexibility, including (i) geographical or spatial shifting, (ii) dynamic voltage and frequency scaling, (iii) the use of energy storage resources, and (iv) methods by which high energy demand customers may be eligible to participate without directly curtailing their own electricity use, such as by funding, supporting, or purchasing capacity reduction credits from other retail electric service customers. Subject to Commission approval, such petitions shall, as applicable, propose how capacity reduction credits could be achieved through collaboration with jurisdictional customers, non-jurisdictional customers, incumbent utilities, or third-party providers to deploy weatherization efforts, grid enhancing technologies, energy efficiency upgrades, conversions from electric resistance heat to electric heat pumps, demand response programs, customer-sited energy storage resources, virtual power plants, or other efforts the Commission deems appropriate to achieve the goals of reducing total peak system demand, provided that such efforts produce measured and verifiable results. In evaluating such petitions, the Commission shall determine the method for the measurement and verification standard for the capacity reduction credit. In approving each such program, the Commission shall also (i) identify, to the extent practicable, time periods of anticipated peak system demand; (ii) seek to minimize emissions and environmental and public health impacts; (iii) provide that carbon-emitting generating resources will be ineligible for participation in the demand flexibility program; (iv) consider the extent to which localized solutions may help advance the purposes of this subsection; and (v)

60 to the extent necessary, establish any standards for measuring and verifying savings achieved under this  
61 section.

62 C. 1. By January 1, 2029, each cooperative that serves one or more high energy demand customers shall  
63 establish a voluntary demand flexibility program that applies to high energy demand customers in the  
64 respective service territory of each such cooperative and that is designed to maximize electric grid system  
65 savings and improve reliability for retail electric service customers in the respective service territory of each  
66 such cooperative. For each demand flexibility program established under this subsection, the cooperative  
67 shall, subject to Commission approval consistent with this subsection, propose an appropriate demand  
68 flexibility standard that each cooperative with an approved program shall make best, reasonable efforts to  
69 meet. Such proposal may include separate standards for high energy demand customers beginning service  
70 before and after July 1, 2026.

71 2. To assist in developing such programs, each cooperative that serves one or more high energy demand  
72 customers shall convene a technical work group, or one or more consolidated technical work groups, and  
73 shall invite organizations and experts to represent the interests of high energy demand customers, other  
74 cooperative customers, and the environment. The work group shall (i) gather information and develop  
75 program proposals; (ii) consider all forms of demand flexibility, including geographic or spatial shifting,  
76 dynamic voltage and frequency scaling, the use of energy storage resources, and methods by which  
77 customers with high electric demand may be eligible to participate without directly curtailing their electricity  
78 use, such as by funding, supporting, or purchasing capacity reduction credits from other retail electric  
79 service customers; and (iii) consider whether any existing programs, rates, or tariffs offered by such  
80 cooperative, or offered by any generation and transmission cooperative to which such cooperative belongs,  
81 satisfy the provisions of this section. The work group shall evaluate ways system savings may be derived from  
82 such programs, including through weatherization efforts, grid enhancing technologies, energy efficiency  
83 upgrades, electric resistance heat to electric heat pump conversion, demand response programs, customer-  
84 sited energy storage resources, virtual power plants, or other efforts the work group deems appropriate to  
85 achieve the goals of reducing total peak system demand, provided that such efforts produce measurable and  
86 verifiable results. Any proposals recommended by the work group shall (a) identify time periods of peak  
87 system demand; (b) seek to minimize emissions and environmental and public health impacts; (c) prohibit a  
88 high energy demand customer from meeting demand flexibility standards using carbon-emitting generation  
89 resources; and (d) to the extent necessary, establish any standards for measuring and verifying system  
90 savings achieved under this section. The work group shall submit a report of its findings and  
91 recommendations to the Commission no later than September 30, 2027, after which the Commission shall  
92 solicit public comment on the report. If, after full consideration of the record, including public comment, the  
93 Commission finds that the report and recommendations satisfy the provisions of this section, the Commission  
94 shall issue an order to such effect without conducting any additional proceedings. If the Commission finds  
95 that the report and recommendations do not satisfy the provisions of this section, the Commission may order  
96 supplemental proceedings as it deems appropriate. Notwithstanding any other provision of law, upon  
97 receiving a finding of sufficiency from the Commission, a cooperative that serves one or more high energy  
98 demand customers shall propose, establish, and implement one or more demand flexibility programs. Such  
99 proposal and the establishment and implementation of such programs shall be without additional  
100 Commission approval upon an affirmative resolution of the board of directors of the cooperative and without  
101 requiring any other filing than as required under this subsection.

102 D. If a demand flexibility program established under this section includes incentives for participation by  
103 high energy demand customers, the Commission or cooperative shall design such incentives to encourage  
104 participation by high energy demand customers without unreasonably shifting or imposing any costs of  
105 program participation or administration onto other retail electric service customers of the utility. Such  
106 incentives may also include open and transparent procedures for accelerated interconnection to service by  
107 participating high energy demand customers, to the extent not already established by the Commission in a  
108 separate proceeding, provided that such accelerated interconnections do not sacrifice the reliability of the  
109 electric grid system. Any such incentives shall be contingent upon the measurement and verification of a  
110 participating high energy demand customer's reductions in peak demand or electric load reductions secured  
111 from other retail electric service customers.

112 E. Three years after the initial program approval and every three years thereafter, each Phase I and  
113 Phase II Utility with a demand flexibility program established under this section shall file a status report on  
114 such program with the Commission. Such report shall detail the program's performance and include any  
115 proposed changes or other recommendations to improve the program's implementation consistent with the  
116 provisions of this section. The Commission shall have the discretion to determine what, if any, other  
117 proceedings are necessitated by the status report.

118 F. By September 1, 2028, and annually thereafter, as part of the report required under subsection B of  
119 § 56-596, the Commission shall submit information summarizing the status and performance of any programs  
120 established under this section.