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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*

33 *system savings and improve reliability for retail electric service customers in the respective service territory*  
34 *of each such utility. The Commission shall issue a final order on such petitions no later than November 30,*  
35 *2027. For each demand flexibility program established under this subsection, the Commission shall*  
36 *determine an appropriate demand flexibility standard, which each utility shall, working with its high energy*  
37 *demand customers, make best, reasonable efforts to meet or exceed annually. The Commission may establish*  
38 *separate standards for high energy demand customers beginning service before and after July 1, 2026. In*  
39 *reviewing such petitions, the Commission shall consider relevant provisions of other proceedings related to*  
40 *demand flexibility and may make any necessary modifications to such other proceedings to effectuate the*  
41 *provisions of this section.*

42 *2. In approving each such program to be established by a Phase I Utility or Phase II Utility, each utility*  
43 *shall in its petition provide analysis of, and the Commission shall consider, all forms of demand flexibility,*  
44 *including (i) geographical or spatial shifting, (ii) dynamic voltage and frequency scaling, (iii) the use of*  
45 *energy storage resources, and (iv) methods by which high energy demand customers may be eligible to*  
46 *participate without directly curtailing their own electricity use, such as by funding, supporting, or purchasing*  
47 *capacity reduction credits from other retail electric service customers. Subject to Commission approval, such*  
48 *petitions shall, as applicable, propose how capacity reduction credits could be achieved through*  
49 *collaboration with jurisdictional customers, non-jurisdictional customers, incumbent utilities, or third-party*  
50 *providers to deploy weatherization efforts, grid enhancing technologies, energy efficiency upgrades,*  
51 *conversions from electric resistance heat to electric heat pumps, demand response programs, customer-sited*  
52 *energy storage resources, virtual power plants, or other efforts the Commission deems appropriate to*  
53 *achieve the goals of reducing total peak system demand, provided that such efforts produce measured and*  
54 *verifiable results. In evaluating such petitions, the Commission shall determine the method for the*  
55 *measurement and verification standard for the capacity reduction credit. In approving each such program,*  
56 *the Commission shall also (i) identify, to the extent practicable, time periods of anticipated peak system*  
57 *demand; (ii) seek to minimize emissions and environmental and public health impacts; (iii) provide that*  
58 *carbon-emitting generating resources will be ineligible for participation in the demand flexibility program;*  
59 *(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.*