

## 1 VIRGINIA ACTS OF ASSEMBLY — CHAPTER

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

4 [S 371]

5 Approved

6 **Be it enacted by the General Assembly of Virginia:**7 **1. That the Code of Virginia is amended by adding in Chapter 23 of Title 56 a section numbered**  
 8 **56-596.7 as follows:**9 **§ 56-596.7. *Electric demand flexibility programs; high energy demand customers; reporting***  
 10 ***requirements.***11 *A. As used in this section:*12 *"Capacity reduction credit" means a measured and verified standard unit of demand flexibility as*  
 13 *approved by the Commission pursuant to this section.*14 *"Cooperative" means a utility consumer services cooperative organized under Article 1 (§ 56.231.15 et*  
 15 *seq.) of Chapter 9.1.*16 *"Demand flexibility" means lowering electric grid system load requirements or shifting such requirements*  
 17 *from time periods of peak system demand to time periods of lower system demand, including through*  
 18 *programs by which high energy demand customers temporarily reduce or interrupt their electricity usage or*  
 19 *through programs by which high energy demand customers secure measurable and verifiable electric load*  
 20 *reductions from other retail electric service customers during time periods of peak system demand or other*  
 21 *events that cause strain on the electric grid in the Commonwealth.*22 *"High energy demand customer" means a retail electric service customer that has a contracted or*  
 23 *measured electric demand of 25 megawatts or greater and an anticipated or measured average annual*  
 24 *electric load factor of 75 percent or greater and that is not a contracted defense facility as defined in*  
 25 *subsection D of § 18.2-121.3.*26 *"Phase I Utility" and "Phase II Utility" have the same meanings as defined in subdivision A 1 of*  
 27 *§ 56-585.1.*28 *B. 1. By January 15, 2027, each Phase I and Phase II Utility shall file a petition with the Commission for*  
 29 *approval of a voluntary demand flexibility program that applies to high energy demand customers in the*  
 30 *respective service territory of each such utility and that is designed to reasonably maximize electric grid*  
 31 *system savings and improve reliability for retail electric service customers in the respective service territory*  
 32 *of each such utility. The Commission shall issue a final order on such petitions no later than November 30,*  
 33 *2027. For each demand flexibility program established under this subsection, the Commission shall*  
 34 *determine an appropriate demand flexibility standard, which each utility shall, working with its high energy*  
 35 *demand customers, make best, reasonable efforts to meet or exceed annually. The Commission may establish*  
 36 *separate standards for high energy demand customers beginning service before and after July 1, 2026. In*  
 37 *reviewing such petitions, the Commission shall consider relevant provisions of other proceedings related to*  
 38 *demand flexibility and may make any necessary modifications to such other proceedings to effectuate the*  
 39 *provisions of this section.*40 *2. In approving each such program to be established by a Phase I Utility or Phase II Utility, each utility*  
 41 *shall in its petition provide analysis of, and the Commission shall consider, all forms of demand flexibility,*  
 42 *including (i) geographical or spatial shifting, (ii) dynamic voltage and frequency scaling, (iii) the use of*  
 43 *energy storage resources, and (iv) methods by which high energy demand customers may be eligible to*  
 44 *participate without directly curtailing their own electricity use, such as by funding, supporting, or purchasing*  
 45 *capacity reduction credits from other retail electric service customers. Subject to Commission approval, such*  
 46 *petitions shall, as applicable, propose how capacity reduction credits could be achieved through*  
 47 *collaboration with jurisdictional customers, non-jurisdictional customers, incumbent utilities, or third-party*  
 48 *providers to deploy weatherization efforts, grid enhancing technologies, energy efficiency upgrades,*  
 49 *conversions from electric resistance heat to electric heat pumps, demand response programs, customer-sited*  
 50 *energy storage resources, virtual power plants, or other efforts the Commission deems appropriate to*  
 51 *achieve the goals of reducing total peak system demand, provided that such efforts produce measured and*  
 52 *verifiable results. In evaluating such petitions, the Commission shall determine the method for the*  
 53 *measurement and verification standard for the capacity reduction credit. In approving each such program,*  
 54 *the Commission shall also (i) identify, to the extent practicable, time periods of anticipated peak system*  
 55 *demand; (ii) seek to minimize emissions and environmental and public health impacts; (iii) provide that*  
 56 *carbon-emitting generating resources will be ineligible for participation in the demand flexibility program;*

57 (iv) consider the extent to which localized solutions may help advance the purposes of this subsection; and (v)  
58 to the extent necessary, establish any standards for measuring and verifying savings achieved under this  
59 section.

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

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

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

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

116 F. By September 1, 2028, and annually thereafter, as part of the report required under subsection B of  
117 § 56-596, the Commission shall submit information summarizing the status and performance of any programs  
118 established under this section.