

1 HOUSE BILL NO. 106
 2 AMENDMENT IN THE NATURE OF A SUBSTITUTE
 3 (Proposed by the House Committee on Labor and Commerce
 4 on _____)
 5 (Patron Prior to Substitute--Delegate Sullivan)

6 A BILL to amend and reenact § 56-594.3 of the Code of Virginia, relating to shared solar programs; Phase
 7 II Utility; minimum bill; capacity.

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

9 **1. That § 56-594.3 of the Code of Virginia is amended and reenacted as follows:**

10 **§ 56-594.3. Shared solar programs; Phase II Utility.**

11 A. As used in this section:

12 "Administrative cost" means the reasonable incremental cost to the investor-owned utility to
 13 process subscribers' bills for the program.

14 "Applicable bill credit rate" means the dollar-per-kilowatt-hour rate used to calculate the
 15 subscriber's bill credit.

16 "Bill credit" means the monetary value of the electricity, in kilowatt-hours, generated by the shared
 17 solar facility allocated to a subscriber to offset that subscriber's electricity bill.

18 "Dual-use agricultural facility" means agricultural production and electricity production from solar
 19 photovoltaic panels occurring simultaneously on the same property.

20 "Gross bill" means the amount that a customer would pay to the utility based on the customer's
 21 monthly energy consumption before any bill credits are applied.

22 "Incremental cost" means any cost directly caused by the implementation of the shared solar
 23 program that would not have occurred absent the implementation of the shared solar program.

24 "Low-income customer" means any person or household whose income is no more than 80 percent
 25 of the median income of the locality in which the customer resides. The median income of the locality is
 26 determined by the U.S. Department of Housing and Urban Development.

27 "Low-income service organization" means a nonresidential customer of an investor-owned utility
28 whose primary purpose is to serve low-income individuals and households.

29 "Low-income shared solar facility" means a shared solar facility at least 30 percent of the capacity
30 of which is subscribed by low-income customers or low-income service organizations.

31 "Minimum bill" means an amount determined by the Commission under subsection D that
32 ~~subscribers are~~ a subscriber is required to, at a minimum, pay on ~~their~~ the subscriber's utility bill each
33 month after accounting for any bill credits.

34 "Net bill" means the resulting amount a customer must pay the utility after deducting the bill credit
35 from the customer's monthly gross bill.

36 "Phase II Utility" has the same meaning as provided in subdivision A 1 of § 56-585.1.

37 "Shared solar facility" means a facility that:

38 1. Generates electricity by means of a solar photovoltaic device with a nameplate capacity rating
39 that does not exceed 5,000 kilowatts of alternating current;

40 2. ~~Is located in the service territory of an investor-owned electric utility~~ interconnected with a
41 Phase II Utility's distribution system within the Commonwealth;

42 3. ~~Is connected to the electric distribution grid serving the Commonwealth;~~

43 4. Has at least three subscribers;

44 ~~5-4.~~ Has at least 40 percent of its capacity subscribed by customers with subscriptions of 25
45 kilowatts or less; and

46 ~~6-5.~~ Is located on a single parcel of land.

47 "Shared solar program" or "program" means the program created through the adoption of rules to
48 allow for the development of shared solar facilities.

49 "Subscriber" means a retail customer of a utility that (i) owns one or more subscriptions of a shared
50 solar facility that is interconnected with the utility and (ii) receives service in the service territory of the
51 same utility in whose service territory the shared solar facility is ~~located~~ interconnected.

52 "Subscriber organization" means any for-profit or nonprofit entity that owns or operates one or
53 more shared solar facilities. A subscriber organization shall not be considered a utility solely as a result

54 of its ownership or operation of a shared solar facility. A subscriber organization licensed with the
55 Commission shall be eligible to own or operate shared solar facilities in more than one investor-owned
56 utility service territory.

57 "Subscription" means a contract or other agreement between a subscriber and the owner of a shared
58 solar facility. A subscription shall be sized such that the estimated bill credits do not exceed the
59 subscriber's average annual bill for the customer account to which the subscription is attributed.

60 "Utility" means a Phase II Utility.

61 B. The Commission shall establish by regulation a program that affords customers of a Phase II
62 Utility the opportunity to participate in shared solar projects. Under its shared solar program, a utility shall
63 provide a bill credit for the proportional output of a shared solar facility attributable to that subscriber.
64 The shared solar program shall be administered as follows:

65 1. The value of the bill credit for the subscriber shall be calculated by multiplying the subscriber's
66 portion of the kilowatt-hour electricity production from the shared solar facility by the applicable bill
67 credit rate for the subscriber. Any amount of the bill credit that exceeds the subscriber's monthly bill,
68 minus the minimum bill, shall be carried over and applied to the next month's bill.

69 2. The utility shall provide bill credits to a shared solar facility's subscribers for not less than 25
70 years from the date the shared solar facility becomes commercially operational.

71 3. The subscriber organization shall, on a monthly basis, and in a standardized electronic format,
72 and pursuant to guidelines established by the Commission, provide to the utility a subscriber list indicating
73 the kilowatt-hours of generation attributable to each of the subscribers participating in a shared solar
74 facility in accordance with the subscriber's portion of the output of the shared solar facility.

75 4. Subscriber lists may be updated monthly to reflect canceling subscribers and to add new
76 subscribers. The utility shall apply bill credits to subscriber bills within two billing cycles following the
77 cycle during which the energy was generated by the shared solar facility.

78 5. Each utility shall, on a monthly basis and in a standardized electronic format, provide to the
79 subscriber organization a report indicating the total value of bill credits generated by the shared solar
80 facility in the prior month, as well as the amount of the bill credit applied to each subscriber.

81 6. A subscriber organization may accumulate bill credits in the event that all of the electricity
82 generated by a shared solar facility is not allocated to subscribers in a given month. On an annual basis
83 and pursuant to guidelines established by the Commission, the subscriber organization shall furnish to the
84 utility allocation instructions for distributing excess bill credits to subscribers.

85 ~~7. All~~ A subscriber organization that registers a shared solar facility in the program within the first
86 200 megawatts alternating current of awarded capacity shall own all environmental attributes associated
87 with a shared solar facility, including renewable energy certificates; At such subscriber organization's
88 direction, such environmental attributes may be distributed to subscribers, sold to load-serving entities
89 with compliance obligations or other buyers, accumulated, or retired. For a shared solar facility registered
90 in the program after the first 200 megawatts alternating current of awarded capacity, the registering
91 subscriber organization shall be distributed to the subscribers transfer renewable energy certificates to a
92 Phase II Utility to be retired for compliance with such Phase II Utility's renewable portfolio standard
93 obligations pursuant to subsection C of § 56-585.5.

94 8. Projects shall be entitled to receive incentives when they are located on rooftops, brownfields,
95 or landfills, are dual-use agricultural facilities, or meet the definition of another category established by
96 the Department of Energy pursuant to this section.

97 C. Each subscriber shall pay a minimum bill, established pursuant to subsection D, and shall
98 receive an applicable bill credit based on the subscriber's customer class of residential, commercial, or
99 industrial. Each class's applicable credit rate shall be calculated by the Commission annually by dividing
100 revenues to the class by sales, measured in kilowatt-hours, to that class to yield a bill credit rate for the
101 class (\$/kWh).

102 D. The Commission shall establish a minimum bill, which shall include the costs of all utility
103 infrastructure and services used to provide electric service and administrative costs of the shared solar
104 program. The Commission may modify the minimum bill over time. In establishing the minimum bill, the
105 Commission shall (i) consider further costs the Commission deems relevant to ensure subscribing
106 customers pay a fair share of the costs of providing electric services and generation sufficient to meet
107 customer needs at all times, (ii) minimize the costs shifted to customers not in a shared solar program, and

108 (iii) calculate the benefits of shared solar to the electric grid and to the Commonwealth and deduct such
109 benefits from other costs. The Commission shall explicitly set forth its findings as to each cost and benefit,
110 or other value used to determine such minimum bill. Low-income customers shall be exempt from the
111 minimum bill.

112 E. The Commission shall approve a shared solar program with an aggregate capacity of 150, 200
113 megawatts with a minimum requirement of 30 percent low-income customers. The Commission shall
114 approve up to an additional 50, 150 megawatts of capacity, of which 75 megawatts of shared solar facilities
115 serve no more than 51 percent low-income customers, upon determining that at least 45, 50 percent of the
116 megawatts of the aggregated shared solar capacity in the Commonwealth have been subscribed to by low-
117 income customers and construction on such projects is substantially complete. Subscriber organizations
118 shall be allowed to demonstrate compliance with the low income requirement using either project capacity
119 or project savings methodology. The Commission, in collaboration with the Department of Energy, may
120 adopt mechanisms to ensure low-income customer participation.

121 F. The Commission shall establish by regulation a shared solar program that complies with the
122 provisions of subsections B, C, D, and E by January 1, 2024, 2025, and shall require each utility to file any
123 tariffs, agreements, or forms necessary for implementation of the program within 60 days of the utility's
124 full implementation of a new customer information platform or by July, December 1, 2023, whichever
125 occurs first 2025. Any tariffs, agreements, and forms currently in effect at the time of enactment shall
126 remain in effect until such revisions are approved by the Commission. Any rule or utility implementation
127 filings approved by the Commission shall:

- 128 1. Reasonably allow for the creation of shared solar facilities;
- 129 2. Allow all customer classes to participate in the program;
- 130 3. Create a stakeholder working group including low-income community representatives and
131 community solar providers to facilitate low-income customer and low-income service organization
132 participation in the program;

- 133 4. Encourage public-private partnerships to further the Commonwealth's clean energy and equity
134 goals, such as state agency and affordable housing provider participation ~~in the program~~ as subscribers of
135 a shared solar projects program;
- 136 5. Not remove a customer from its otherwise applicable customer class in order to participate in a
137 shared solar facility;
- 138 6. Reasonably allow for the transferability and portability of subscriptions, including allowing a
139 subscriber to retain a subscription to a shared solar facility if the subscriber moves within the same utility's
140 service territory;
- 141 7. Establish standards, fees, and processes for the interconnection of shared solar facilities that
142 allow the utility to recover reasonable interconnection costs for each shared solar facility;
- 143 8. Adopt standardized consumer disclosure forms;
- 144 9. Allow the utility the opportunity to recover reasonable costs of administering the program;
- 145 10. Ensure nondiscriminatory and efficient requirements and utility procedures for interconnecting
146 projects;
- 147 11. Address the co-location of two or more shared solar facilities on a single parcel of land and
148 provide guidelines for determining when two or more such facilities are co-located;
- 149 12. Include a program implementation schedule;
- 150 13. Prohibit credit checks as a means of establishing eligibility for residential customers to become
151 subscribers;
- 152 14. Prohibit early termination fees and credit reporting for any low-income customer;
- 153 15. Require a customer's affirmative consent by written or electronic signature before providing
154 access to customer billing and usage data to a subscriber organization;
- 155 16. Establish customer engagement rules and minimum rules for education, contract reviews, and
156 continued engagement;
- 157 17. Require net crediting functionality as part of any new customer information platform approved
158 by the Commission. Under net crediting, the utility shall include the shared solar subscription fee on the
159 customer's utility bill and provide the customer with a net credit equivalent to the total bill credit value for

160 that generation period minus the shared solar subscription fee as set by the subscriber organization. The
161 net crediting fee shall not exceed one percent of the bill credit value. Net crediting shall be optional for
162 subscriber organizations, and any shared solar subscription fees charged via the net crediting model shall
163 be set to ensure that subscribers do not pay more in subscription fees than they receive in bill credits; and

164 ~~15-18.~~ Allow the utility to recover as the cost of purchased power pursuant to § 56-249.6 any
165 difference between the bill credit provided to the subscriber and the cost of energy injected into the grid
166 by the subscriber organization.

167 G. Within 180 days of finalization of the Commission's adoption of regulations for the shared solar
168 program, a utility shall, ~~provided that the utility has successfully implemented its customer information~~
169 ~~platform,~~ begin crediting subscriber accounts of each shared solar facility interconnected in its service
170 territory, subject to the requirements of this section and regulations adopted thereto.

171 **2. That, pursuant to subdivision B 8 of § 56-594.3 of the Code of Virginia, as amended by this act,**
172 **the Department of Energy (the Department) shall convene a stakeholder work group to determine**
173 **the amounts and forms of project incentives and shall document the proceedings of the stakeholder**
174 **work group, submit a written report to the Chairmen of the House Committee on Labor and**
175 **Commerce and the Senate Committee on Commerce and Labor no later than November 30, 2024,**
176 **and make such report publicly available on the Department's website at the same time as its**
177 **submission to the House and Senate Committees. In establishing such project incentives, the**
178 **Department shall give special consideration to projects seeking to leverage funding from the**
179 **Virginia Brownfield and Coal Mine Renewable Energy Grant Program established pursuant to**
180 **Article 7 (§ 45.2-1725) of Chapter 17 of Title 45.2 of the Code of Virginia.**

181 **3. That the provisions of this act amending subsection D of § 56-594.3 of the Code of Virginia shall**
182 **become effective on January 1, 2025.**

183 **4. That the State Corporation Commission shall initiate a proceeding to recalculate the minimum**
184 **bill in accordance with § 56-594.3 of the Code of the Virginia, as amended by this act, within 30 days**
185 **of its final order in the proceeding required by § 56-594 of the Code of Virginia.**

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