

SENATE BILL NO. 1266

AMENDMENT IN THE NATURE OF A SUBSTITUTE

(Proposed by the Senate Committee on Commerce and Labor

on _____)

(Patron Prior to Substitute--Senator Surovell)

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

Be it enacted by the General Assembly of Virginia:

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

§ 56-594.3. Shared solar programs.

A. As used in this section:

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

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

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

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

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

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

25 "Minimum bill" means an amount determined by the Commission under subsection D that
26 subscribers are required to, at a minimum, pay on their utility bill each month after accounting for any bill
27 credits.

28 "Net bill" means the resulting amount a customer is required to pay the utility after deducting the
29 bill credit from the customer's monthly gross bill.

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

31 "Shared solar facility" means a facility that:

- 32 1. Generates electricity by means of a solar photovoltaic device with a nameplate capacity rating
33 that does not exceed 5,000 kilowatts of alternating current;
- 34 2. Is located in the service territory of an investor-owned electric utility;
- 35 3. Is connected to the electric distribution grid serving the Commonwealth;
- 36 4. Has at least three subscribers;
- 37 5. Has at least 40 percent of its capacity subscribed by customers with subscriptions of 25 kilowatts
38 or less; and
- 39 6. Is located on a single parcel of land.

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

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

45 "Subscriber organization" means any for-profit or nonprofit entity that owns or operates one or
46 more shared solar facilities. A subscriber organization shall not be considered a utility solely as a result
47 of its ownership or operation of a shared solar facility.

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

51 "Utility" means a Phase II Utility.

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

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

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

62 3. The subscriber organization shall, on a monthly basis, in a standardized electronic format, and
63 pursuant to guidelines established by the Commission, provide to the utility a subscriber list indicating the
64 ~~kilowatt hours~~ percentage of generation shared solar capacity attributable to each of the subscribers
65 participating in a shared solar facility in accordance with the subscriber's portion of the output of the
66 shared solar facility.

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

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

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

77 7. All environmental attributes associated with a shared solar facility, including renewable energy
78 certificates, shall be considered property of the subscriber organization. At the subscriber organization's

79 discretion, such environmental attributes may be distributed to the subscribers, sold to load-serving entities
80 with compliance obligations or other buyers, accumulated, or retired.

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

86 D. The Commission shall establish a minimum bill, ~~which shall include the costs of all utility~~
87 ~~infrastructure and services used to provide electric service and administrative costs of the shared solar~~
88 ~~program~~ below which a subscriber's net bill cannot go. The calculation of an individual customer's
89 minimum bill each month shall be based on the kilowatt hours billed by the utility rather than the
90 subscriber's portion of shared solar facility generation. The Commission may modify the minimum bill
91 over time. In establishing the minimum bill, the Commission shall (i) quantify the benefits that shared
92 solar facilities provide, including (a) transmission system benefits, (b) distribution system benefits, (c)
93 purchased power benefits, (d) fuel factor benefits, (e) economic benefits, and (f) environmental benefits;
94 (ii) ~~consider further~~ costs the Commission deems relevant to ensure subscribing customers pay a fair share
95 of the costs of providing electric services and ~~(ii)~~ (iii) minimize the costs shifted to customers not in a
96 shared solar program. Low-income customers shall be exempt from the minimum bill.

97 E. The Commission shall approve a shared solar facility program of ~~150~~ 700 megawatts with a
98 minimum requirement of 30 percent low-income customers. The Commission shall approve an additional
99 ~~50~~ 300 megawatts of capacity upon determining that at least ~~45~~ 210 megawatts of the aggregated shared
100 solar capacity in the Commonwealth have been subscribed to by low-income customers. Subscriber
101 organizations shall be allowed to demonstrate compliance with the low income requirement using either
102 project capacity or project savings methodology. The Commission, in collaboration with the Department
103 of Energy, may adopt mechanisms to ensure low-income customer participation.

104 F. The Commission shall establish by regulation a shared solar program that complies with the
105 provisions of subsections B, C, D, and E by January 1, 2021, and shall require each utility to file any

106 tariffs, agreements, or forms necessary for implementation of the program within 60 days of the utility's
107 full implementation of a new customer information platform or by July 1, 2023, whichever occurs first.

108 Any rule or utility implementation filings approved by the Commission shall:

- 109 1. Reasonably allow for the creation of shared solar facilities;
- 110 2. Allow all jurisdictional and nonjurisdictional customer classes to participate in the program;
- 111 3. Create a stakeholder working group including low-income community representatives and
112 community solar providers to facilitate low-income customer and low-income service organization
113 participation in the program;
- 114 4. Encourage public-private partnerships to further the Commonwealth's clean energy and equity
115 goals, such as state agency and affordable housing provider participation in the program as subscribers of
116 shared solar projects;
- 117 5. Not remove a customer from its otherwise applicable customer class in order to participate in a
118 shared solar facility;
- 119 6. Reasonably allow for the transferability and portability of subscriptions, including allowing a
120 subscriber to retain a subscription to a shared solar facility if the subscriber moves within the same utility's
121 service territory;
- 122 7. Establish standards, fees, and processes for the interconnection of shared solar facilities that
123 allow the utility to recover reasonable interconnection costs for each shared solar facility;
- 124 8. Adopt standardized consumer disclosure forms;
- 125 9. Allow the utility the opportunity to recover reasonable costs of administering the program;
- 126 10. Ensure nondiscriminatory and efficient requirements and utility procedures for interconnecting
127 projects;
- 128 11. Address the co-location of two or more shared solar facilities on a single parcel of land and
129 provide guidelines for determining when two or more facilities are co-located;
- 130 12. Include a program implementation schedule;
- 131 13. Prohibit credit checks as a means of establishing eligibility for residential customers to become
132 subscribers;

133 14. Require net crediting functionality as part of any new customer information platform approved
134 by the Commission. Under net crediting, the utility shall include the shared solar subscription fee on the
135 customer's utility bill and provide the customer with a net credit equivalent to the total bill credit value for
136 that generation period minus the shared solar subscription fee as set by the subscriber organization. The
137 net crediting fee shall not exceed one percent of the bill credit value. Net crediting shall be optional for
138 subscriber organizations, and any shared solar subscription fees charged via the net crediting model shall
139 be set to ensure that subscribers do not pay more in subscription fees than they receive in bill credits; and

140 15. Allow the utility to recover as the cost of purchased power pursuant to § 56-249.6 any
141 difference between the bill credit provided to the subscriber and the cost of energy injected into the grid
142 by the subscriber organization.

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

147 **2. That the State Corporation Commission shall implement through regulation the provisions of the**
148 **first enactment of this act within 180 days of enactment and shall require each utility, as that term**
149 **is defined in § 56-594.3 of the Code of Virginia, as amended by this act, to file any tariffs, agreements,**
150 **or forms necessary for implementation of the shared solar program within 60 days of the effective**
151 **date of such regulations.**

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