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## 1 SENATE BILL NO. 1358

2 Offered January 13, 2025

3 Prefiled January 13, 2025

4 A BILL to amend and reenact § 56-585.1:5 of the Code of Virginia, relating to pilot program for  
5 underground transmission lines; qualifying projects.

6 Patron—Srinivasan

7 Referred to Committee on Commerce and Labor

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

## 9 1. That § 56-585.1:5 of the Code of Virginia is amended and reenacted as follows:

## 10 1.1 § 56-585.1:5. Pilot program for underground transmission lines.

11 A. There is hereby established a pilot program to further the understanding of underground electric  
12 transmission lines in regard to electric reliability, construction methods and related cost and timeline  
13 estimating, the probability of meeting such projections, and the benefits of undergrounding existing electric  
14 transmission lines to promote economic development within the Commonwealth. The pilot program shall  
15 consist of the approval (i) for subsections B or C, to construct qualifying electrical transmission lines of 230  
16 kilovolts or less (but greater than 69 kilovolts) in whole or in part underground or (ii) for subsection E, to  
17 construct qualifying electrical transmission lines of 500 kilovolts or less (but greater than 69 kilovolts) in  
18 whole or in part underground. Such pilot program shall consist of a total of two qualifying electrical  
19 transmission line projects, constructed in whole or in part underground, as specified and set forth in this  
20 section.21 B. Notwithstanding any other law to the contrary, as a part of the pilot program established pursuant to  
22 this section, the Commission shall approve as a qualifying project a transmission line of 230 kilovolts or less  
23 that is pending final approval of a certificate of public convenience and necessity from the Commission as of  
24 December 31, 2017, for the construction of an electrical transmission line approximately 5.3 miles in length  
25 utilizing both overhead and underground transmission facilities, of which the underground portion shall be  
26 approximately 3.1 miles in length, which has been previously proposed for construction within or  
27 immediately adjacent to the right-of-way of an interstate highway. Once the Commission has affirmed the  
28 project need through an order, the project shall be constructed in part underground, and the underground  
29 portion shall consist of a double circuit.30 C. The Commission shall approve such underground construction within 30 days of receipt of the written  
31 request of the public utility to participate in the pilot program pursuant to this section. The Commission shall  
32 not require the submission of additional technical and cost analyses as a condition of its approval but may  
33 request such analyses for its review. The Commission shall approve the underground construction of one  
34 contiguous segment of the transmission line that is approximately 3.1 miles in length that was previously  
35 proposed for construction within or immediately adjacent to the right-of-way of the interstate highway, for  
36 which, by resolution, the locality has indicated general community support. The remainder of the construction  
37 for the transmission line shall be aboveground. The Commission shall not be required to perform any further  
38 analysis as to the impacts of this route, including environmental impacts or impacts upon historical resources.39 D. The electric utility may proceed to acquire right-of-way and take such other actions as it deems  
40 appropriate in furtherance of the construction of the approved transmission line, including acquiring the  
41 cables necessary for the underground installation.42 E. In reviewing applications submitted by public utilities for certificates of public convenience and  
43 necessity for the construction of electrical transmission lines of 230 kilovolts or less filed between July 1,  
44 2018, and October 1, 2020, the Commission shall approve, consistent with the requirements of subsection  
45 D, one additional application as a qualifying project to be constructed in whole or in part underground, as a  
46 part of this pilot program. The one qualifying project shall be in addition to the qualifying project described  
47 in subsection B and shall be the relocation or conversion of an existing 230-kilovolt overhead line to an  
48 underground line.49 F. For purposes of subsection D, a project shall be qualified to be placed underground, in whole or in  
50 part, if it meets all of the following criteria: (i) an engineering analysis demonstrates that it is technically  
51 feasible to place the proposed line, in whole or in part, underground; (ii) the governing body of each locality  
52 in which a portion of the proposed line will be placed underground indicates, by resolution, general  
53 community support for the project and that it supports the transmission line to be placed underground; (iii) a  
54 project has been filed with the Commission or is pending issuance of a certificate of public convenience and  
55 necessity by October 1, 2020 December 31, 2024; and (iv) the estimated additional cost of placing the  
56 proposed line, in whole or in part, underground does not exceed \$40 million or, if greater than \$40 million,  
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59 the cost does not exceed 2.5 times the cost of placing the same line overhead, assuming accepted industry  
60 standards for undergrounding to ensure safety and reliability; if the public utility, the affected localities, and  
61 the Commission agree, a proposed underground line whose cost exceeds 2.5 times the cost of placing the line  
62 overhead may also be accepted into the pilot program; (v) the public utility requests that the project be  
63 considered as a qualifying project under this section; and (vi) the primary need of the project shall be for  
64 purposes of grid reliability, grid resiliency, or to support economic development priorities of the  
65 Commonwealth, including the economic development priorities and the comprehensive plan of the governing  
66 body of the locality in which at least a portion of line will be placed, and shall not be to address aging assets  
67 that would have otherwise been replaced in due course.

68 *E. In reviewing applications submitted by public utilities for certificates of public convenience and  
69 necessity for the construction of electrical transmission lines of 500 kilovolts or less filed between January 1,  
70 2025, and December 31, 2026, the Commission shall approve applications for qualifying projects to be  
71 constructed in whole or in part underground, as part of this pilot program. The qualifying projects shall  
72 traverse along highways in developed areas and where the route of the proposed transmission lines and  
73 towers traverse areas protected by a scenic easement, a view shed easement, areas of registered historic  
74 designation, or areas with conservation easements, where such easements run to the benefit of the public and  
75 are held by the governing body of the federal, state, or local jurisdiction in which the transmission line is to  
76 be placed and where the project is required to meet reliability requirements and at least a portion of the  
77 project is needed to support and promote economic development of the Commonwealth and its localities. If a  
78 qualifying project is approved pursuant to this subsection for purposes of the pilot program, the Commission  
79 shall request that the public utility provide technical and cost analyses for placing the proposed line  
80 overhead and for placing the proposed line, in whole or in part, underground. For purposes of this  
81 subsection, a project shall be qualified to be placed underground, in whole or in part, if it meets all of the  
82 following criteria: (i) an engineering analysis demonstrates that it is technically feasible to place the  
83 proposed line, in whole or in part, underground; (ii) the governing body of each locality in which a portion of  
84 the proposed line will be placed has entered into an agreement with the public utility to pay its proportional  
85 share of 20 percent of any portion of the cost of the project not recoverable under applicable rates, terms,  
86 and conditions approved by the Federal Energy Regulatory Commission; (iii) a project has been filed with  
87 the Commission or is pending issuance of a certificate of public convenience and necessity by December 31,  
88 2025; (iv) the public utility requests that the project be considered as a qualifying project under this section;  
89 and (vi) the primary need of the project shall be for purposes of grid reliability, grid resiliency, or to support  
90 economic development priorities of the Commonwealth, including the economic development priorities and  
91 the comprehensive plan of the governing body of the locality in which at least a portion of line will be placed,  
92 and shall not be to address aging assets that would have otherwise been replaced in due course.*

93 *F. A transmission line project that is found to meet the criteria of subsection D or E shall be deemed to  
94 satisfy the requirements of subsection B of § 56-46.1 with respect to a finding of the Commission that the line  
95 is needed.*

96 *F. G. Approval of a transmission line pursuant to this section for inclusion in the pilot program shall be  
97 deemed to satisfy the requirements of § 15.2-2232 and local zoning ordinances with respect to such  
98 transmission line and any associated facilities, such as stations, substations, transition stations and locations,  
99 and switchyards or stations, that may be required.*

100 *G. H. The Commission shall report annually to the Commission on Electric Utility Restructuring, the  
101 Joint Commission on Technology and Science, and the Governor on the progress of the pilot program by no  
102 later than December 1 of each year that this section is in effect. The Commission shall submit a final report to  
103 the Commission on Electric Utility Restructuring, the Joint Commission on Technology and Science, and the  
104 Governor no later than December 1, 2024, analyzing the entire program and making recommendations about  
105 the continued placement of transmission lines underground in the Commonwealth. The Commission's final  
106 report shall include analysis and findings of the costs of underground construction and historical and future  
107 consumer rate effects of such costs, effect of underground transmission lines on grid reliability, operability  
108 (including operating voltage), probability of meeting cost and construction timeline estimates of such  
109 underground transmission lines, and economic development, aesthetic or other benefits attendant to the  
110 placement of transmission lines underground.*

111 *H. I. For the qualifying projects chosen pursuant to this section and not fully recoverable as charges for  
112 new transmission facilities pursuant to subdivision A 4 of § 56-585.1, the Commission shall approve a rate  
113 adjustment clause. The rate adjustment clause shall provide for the full and timely recovery of any portion of  
114 the cost of such project not recoverable under applicable rates, terms, and conditions approved by the Federal  
115 Energy Regulatory Commission and shall include the use of the fair return on common equity most recently  
116 approved in a State Corporation Commission proceeding for such utility. ~~Such~~ For a qualifying project  
117 approved under subsection B or C, such costs shall be entirely assigned to the utility's Virginia jurisdictional  
118 customers. For a qualifying project approved under subsection E, such costs shall be partially borne by each  
119 locality in which a portion of the proposed line will be placed in accordance with an agreement entered into*

120 *with the public utility and the remainder of such costs shall be assigned to the utility's data center customers.*  
121 The Commission's final order regarding any petition filed pursuant to this subsection shall be entered not  
122 more than three months after the filing of such petition.

123 ~~I. J. The provisions of this section shall not be construed to limit the ability of the Commission to approve~~  
124 ~~additional applications for placement of transmission lines underground. Approval by the Commission of a~~  
125 ~~transmission line for inclusion in the program pursuant to subsection B shall preclude the placement of future~~  
126 ~~overhead electrical transmission lines of at least 69 kilovolts in the same right-of-way as described in~~  
127 ~~subsection B for a period of 10 years from July 1, 2018, but shall not preclude the placement of (i) any~~  
128 ~~underground transmission lines in such right-of-way or (ii) any electrical distribution lines in such~~  
129 ~~right-of-way.~~

130 ~~J. If two applications are not submitted to the Commission that meet the requirements of this section, the~~  
131 ~~Commission shall document the failure of the projects to qualify for the pilot program in order to justify~~  
132 ~~approving fewer than two projects to be placed underground, in whole or in part.~~

133 K. Insofar as the provisions of this section are inconsistent with the provisions of any other law or local  
134 ordinance, the provisions of this section shall be controlling.