

HOUSE BILL NO. 894

AMENDMENT IN THE NATURE OF A SUBSTITUTE

(Proposed by the House Committee on Commerce and Energy

on \_\_\_\_\_)

(Patron Prior to Substitute--Delegate Kilgore)

A BILL to amend and reenact §§ 45.2-1720, 56-576, and 56-585.5 of the Code of Virginia and to repeal the sixth and eleventh enactments of Chapter 1193 and the sixth and eleventh enactments of Chapter 1194 of the Acts of Assembly of 2020, relating to the Center for Rural Virginia; development of map of prime farmland; Southwest Virginia Energy Research and Development Authority; promotion of broadband; retirement of certain coal-fired electric generating units at end of useful life; Department of Energy; stakeholder group for promotion of advanced small modular reactors; Virginia Energy Plan; economic development of rural Virginia; repeal of fossil fuel moratorium.

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

**1. That §§ 45.2-1720, 56-576, and 56-585.5 of the Code of Virginia are amended and reenacted and that the Code of Virginia is amended by adding in Chapter 17 of Title 45.2 an article numbered 6.1, consisting of sections numbered 45.2-1724.1 through 45.2-1724.8, as follows:**

**§ 45.2-1720. (Effective until July 1, 2029) Powers and duties of the Authority.**

In addition to the other powers and duties established under this article, the Authority has the power and duty to:

- 1. Adopt, use, and alter at will an official seal;
- 2. Make bylaws for the management and regulation of its affairs;
- 3. Maintain an office at any place within the Commonwealth it designates;
- 4. Accept, hold, and administer moneys, grants, securities, or other property transferred, given, or

bequeathed to the Authority, absolutely or in trust, from any source, public or private, for the purposes for which the Authority is established;

27           5. Make and execute contracts and all other instruments and agreements necessary or convenient  
28 for the exercise of its powers and functions;

29           6. Employ, in its discretion, consultants, attorneys, architects, engineers, accountants, financial  
30 experts, investment bankers, superintendents, managers, and any other employees and agents necessary  
31 and fix their compensation to be payable from funds made available to the Authority;

32           7. Invest its funds as permitted by applicable law;

33           8. Receive and accept from any federal or private agency, foundation, corporation, association, or  
34 person grants, donations of money, or real or personal property for the benefit of the Authority, and receive  
35 and accept from the Commonwealth or any other state, from any municipality, county, or other political  
36 subdivision thereof, or from any other source, aid or contributions of either money, property, or other  
37 things of value, to be held, used, and applied for the purposes for which such grants and contributions may  
38 be made;

39           9. Enter into agreements with any department, agency, or instrumentality of the United States or  
40 of the Commonwealth and with lenders and enter into loans with contracting parties for the purpose of  
41 planning, regulating, and providing for the financing or assisting in the financing of any project;

42           10. Do any lawful act necessary or appropriate to carry out the powers granted or reasonably  
43 implied in this article;

44           11. Leverage the strength in energy workforce and energy technology research and development  
45 of the Commonwealth's public and private institutions of higher education;

46           12. Support the development of pump storage hydropower in Southwest Virginia and energy  
47 storage generally;

48           13. Promote the development of renewable energy generation facilities on brownfield sites,  
49 including abandoned mine sites;

50           14. Promote energy workforce development;

51           15. Promote the deployment of broadband in Southwest Virginia;

52           16. Assist energy technology research and development by, among other actions, promoting the  
53 development of a Southwest Virginia Energy Park; and

54 ~~16-17.~~ Identify and work with the Commonwealth's industries and nonprofit partners in advancing  
55 efforts related to energy development in Southwest Virginia.

56 **§ 56-576. Definitions.**

57 As used in this chapter:

58 "Affiliate" means any person that controls, is controlled by, or is under common control with an  
59 electric utility.

60 "Aggregator" means a person that, as an agent or intermediary, (i) offers to purchase, or purchases,  
61 electric energy or (ii) offers to arrange for, or arranges for, the purchase of electric energy, for sale to, or  
62 on behalf of, two or more retail customers not controlled by or under common control with such person.

63 The following activities shall not, in and of themselves, make a person an aggregator under this chapter:

64 (i) furnishing legal services to two or more retail customers, suppliers or aggregators; (ii) furnishing  
65 educational, informational, or analytical services to two or more retail customers, unless direct or indirect  
66 compensation for such services is paid by an aggregator or supplier of electric energy; (iii) furnishing  
67 educational, informational, or analytical services to two or more suppliers or aggregators; (iv) providing  
68 default service under § 56-585; (v) engaging in activities of a retail electric energy supplier, licensed  
69 pursuant to § 56-587, which are authorized by such supplier's license; and (vi) engaging in actions of a  
70 retail customer, in common with one or more other such retail customers, to issue a request for proposal  
71 or to negotiate a purchase of electric energy for consumption by such retail customers.

72 (Expires December 31, 2023) "Business park" means a land development containing a minimum  
73 of 100 contiguous acres classified as a Tier 4 site under the Virginia Economic Development Partnership's  
74 Business Ready Sites Program that is developed and constructed by an industrial development authority,  
75 or a similar political subdivision of the Commonwealth created pursuant to § 15.2-4903 or other act of the  
76 General Assembly, in order to promote business development and that is located in an area of the  
77 Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his  
78 delegation of authority to the Internal Revenue Service.

79 "Combined heat and power" means a method of using waste heat from electrical generation to  
80 offset traditional processes, space heating, air conditioning, or refrigeration.

81 "Commission" means the State Corporation Commission.

82 "Community in which a majority of the population are people of color" means a U.S. Census tract  
83 where more than 50 percent of the population comprises individuals who identify as belonging to one or  
84 more of the following groups: Black, African American, Asian, Pacific Islander, Native American, other  
85 non-white race, mixed race, Hispanic, Latino, or linguistically isolated.

86 "Cooperative" means a utility formed under or subject to Chapter 9.1 (§ 56-231.15 et seq.).

87 "Covered entity" means a provider in the Commonwealth of an electric service not subject to  
88 competition but does not include default service providers.

89 "Covered transaction" means an acquisition, merger, or consolidation of, or other transaction  
90 involving stock, securities, voting interests or assets by which one or more persons obtains control of a  
91 covered entity.

92 "Curtailment" means inducing retail customers to reduce load during times of peak demand so as  
93 to ease the burden on the electrical grid.

94 "Customer choice" means the opportunity for a retail customer in the Commonwealth to purchase  
95 electric energy from any supplier licensed and seeking to sell electric energy to that customer.

96 "Demand response" means measures aimed at shifting time of use of electricity from peak-use  
97 periods to times of lower demand by inducing retail customers to curtail electricity usage during periods  
98 of congestion and higher prices in the electrical grid.

99 "Distribute," "distributing," or "distribution of" electric energy means the transfer of electric  
100 energy through a retail distribution system to a retail customer.

101 "Distributor" means a person owning, controlling, or operating a retail distribution system to  
102 provide electric energy directly to retail customers.

103 "Electric distribution grid transformation project" means a project associated with electric  
104 distribution infrastructure, including related data analytics equipment, that is designed to accommodate or  
105 facilitate the integration of utility-owned or customer-owned renewable electric generation resources with  
106 the utility's electric distribution grid or to otherwise enhance electric distribution grid reliability, electric  
107 distribution grid security, customer service, or energy efficiency and conservation, including advanced

108 metering infrastructure; intelligent grid devices for real time system and asset information; automated  
109 control systems for electric distribution circuits and substations; communications networks for service  
110 meters; intelligent grid devices and other distribution equipment; distribution system hardening projects  
111 for circuits, other than the conversion of overhead tap lines to underground service, and substations  
112 designed to reduce service outages or service restoration times; physical security measures at key  
113 distribution substations; cyber security measures; energy storage systems and microgrids that support  
114 circuit-level grid stability, power quality, reliability, or resiliency or provide temporary backup energy  
115 supply; electrical facilities and infrastructure necessary to support electric vehicle charging systems; LED  
116 street light conversions; and new customer information platforms designed to provide improved customer  
117 access, greater service options, and expanded access to energy usage information.

118 "Electric utility" means any person that generates, transmits, or distributes electric energy for use  
119 by retail customers in the Commonwealth, including any investor-owned electric utility, cooperative  
120 electric utility, or electric utility owned or operated by a municipality.

121 "Energy efficiency program" means a program that reduces the total amount of electricity that is  
122 required for the same process or activity implemented after the expiration of capped rates. Energy  
123 efficiency programs include equipment, physical, or program change designed to produce measured and  
124 verified reductions in the amount of electricity required to perform the same function and produce the  
125 same or a similar outcome. Energy efficiency programs may include, but are not limited to, (i) programs  
126 that result in improvements in lighting design, heating, ventilation, and air conditioning systems,  
127 appliances, building envelopes, and industrial and commercial processes; (ii) measures, such as but not  
128 limited to the installation of advanced meters, implemented or installed by utilities, that reduce fuel use or  
129 losses of electricity and otherwise improve internal operating efficiency in generation, transmission, and  
130 distribution systems; and (iii) customer engagement programs that result in measurable and verifiable  
131 energy savings that lead to efficient use patterns and practices. Energy efficiency programs include  
132 demand response, combined heat and power and waste heat recovery, curtailment, or other programs that  
133 are designed to reduce electricity consumption so long as they reduce the total amount of electricity that  
134 is required for the same process or activity. Utilities shall be authorized to install and operate such

135 advanced metering technology and equipment on a customer's premises; however, nothing in this chapter  
136 establishes a requirement that an energy efficiency program be implemented on a customer's premises and  
137 be connected to a customer's wiring on the customer's side of the inter-connection without the customer's  
138 expressed consent.

139 "Generate," "generating," or "generation of" electric energy means the production of electric  
140 energy.

141 "Generator" means a person owning, controlling, or operating a facility that produces electric  
142 energy for sale.

143 "Historically economically disadvantaged community" means (i) a community in which a majority  
144 of the population are people of color or (ii) a low-income geographic area.

145 "Incumbent electric utility" means each electric utility in the Commonwealth that, prior to July 1,  
146 1999, supplied electric energy to retail customers located in an exclusive service territory established by  
147 the Commission.

148 "Independent system operator" means a person that may receive or has received, by transfer  
149 pursuant to this chapter, any ownership or control of, or any responsibility to operate, all or part of the  
150 transmission systems in the Commonwealth.

151 "In the public interest," for purposes of assessing energy efficiency programs, describes an energy  
152 efficiency program if the Commission determines that the net present value of the benefits exceeds the net  
153 present value of the costs as determined by not less than any three of the following four tests: (i) the Total  
154 Resource Cost Test; (ii) the Utility Cost Test (also referred to as the Program Administrator Test); (iii) the  
155 Participant Test; and (iv) the Ratepayer Impact Measure Test. Such determination shall include an analysis  
156 of all four tests, and a program or portfolio of programs shall be approved if the net present value of the  
157 benefits exceeds the net present value of the costs as determined by not less than any three of the four  
158 tests. If the Commission determines that an energy efficiency program or portfolio of programs is not in  
159 the public interest, its final order shall include all work product and analysis conducted by the  
160 Commission's staff in relation to that program, including testimony relied upon by the Commission's staff,  
161 that has bearing upon the Commission's decision. If the Commission reduces the proposed budget for a

162 program or portfolio of programs, its final order shall include an analysis of the impact such budget  
163 reduction has upon the cost-effectiveness of such program or portfolio of programs. An order by the  
164 Commission (a) finding that a program or portfolio of programs is not in the public interest or (b) reducing  
165 the proposed budget for any program or portfolio of programs shall adhere to existing protocols for  
166 extraordinarily sensitive information. In addition, an energy efficiency program may be deemed to be "in  
167 the public interest" if the program (1) provides measurable and verifiable energy savings to low-income  
168 customers or elderly customers or (2) is a pilot program of limited scope, cost, and duration, that is  
169 intended to determine whether a new or substantially revised program or technology would be cost-  
170 effective.

171 "Low-income geographic area" means any locality, or community within a locality, that has a  
172 median household income that is not greater than 80 percent of the local median household income, or  
173 any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the  
174 Treasury via his delegation of authority to the Internal Revenue Service.

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

178 "Measured and verified" means a process determined pursuant to methods accepted for use by  
179 utilities and industries to measure, verify, and validate energy savings and peak demand savings. This may  
180 include the protocol established by the United States Department of Energy, Office of Federal Energy  
181 Management Programs, Measurement and Verification Guidance for Federal Energy Projects,  
182 measurement and verification standards developed by the American Society of Heating, Refrigeration and  
183 Air Conditioning Engineers (ASHRAE), or engineering-based estimates of energy and demand savings  
184 associated with specific energy efficiency measures, as determined by the Commission.

185 "Municipality" means a city, county, town, authority, or other political subdivision of the  
186 Commonwealth.

187 "New underground facilities" means facilities to provide underground distribution service. "New  
188 underground facilities" includes underground cables with voltages of 69 kilovolts or less, pad-mounted

189 devices, connections at customer meters, and transition terminations from existing overhead distribution  
190 sources.

191 "Peak-shaving" means measures aimed solely at shifting time of use of electricity from peak-use  
192 periods to times of lower demand by inducing retail customers to curtail electricity usage during periods  
193 of congestion and higher prices in the electrical grid.

194 "Percentage of Income Payment Program (PIPP) eligible utility customer" means any person or  
195 household whose income does not exceed 150 percent of the federal poverty level.

196 "Person" means any individual, corporation, partnership, association, company, business, trust,  
197 joint venture, or other private legal entity, and the Commonwealth or any municipality.

198 "Previously developed project site" means any property, including related buffer areas, if any, that  
199 has been previously disturbed or developed for non-single-family residential, non-agricultural, or non-  
200 silvicultural use, regardless of whether such property currently is being used for any purpose. "Previously  
201 developed project site" includes a brownfield as defined in § 10.1-1230 or any parcel that has been  
202 previously used (i) for a retail, commercial, or industrial purpose; (ii) as a parking lot; (iii) as the site of a  
203 parking lot canopy or structure; (iv) for mining, which is any lands affected by coal mining that took place  
204 before August 3, 1977, or any lands upon which extraction activities have been permitted by the  
205 Department of Energy under Title 45.2; (v) for quarrying; or (vi) as a landfill.

206 "Qualified waste heat resource" means (i) exhaust heat or flared gas from an industrial process that  
207 does not have, as its primary purpose, the production of electricity and (ii) a pressure drop in any gas for  
208 an industrial or commercial process.

209 "Renewable energy" means energy derived from sunlight, wind, falling water, biomass,  
210 sustainable or otherwise, (the definitions of which shall be liberally construed), energy from waste, landfill  
211 gas, municipal solid waste, wave motion, tides, and geothermal power, and does not include energy  
212 derived from coal, oil, natural gas, or nuclear power. "Renewable energy" also includes the proportion of  
213 the thermal or electric energy from a facility that results from the co-firing of biomass. "Renewable  
214 energy" does not include waste heat from fossil-fired facilities or electricity generated from pumped  
215 storage but includes run-of-river generation from a combined pumped-storage and run-of-river facility.



216 "Renewable thermal energy" means the thermal energy output from (i) a renewable-fueled  
217 combined heat and power generation facility that is (a) constructed, or renovated and improved, after  
218 January 1, 2012, (b) located in the Commonwealth, and (c) utilized in industrial processes other than the  
219 combined heat and power generation facility or (ii) a solar energy system, certified to the OG-100 standard  
220 of the Solar Ratings and Certification Corporation or an equivalent certification body, that (a) is  
221 constructed, or renovated and improved, after January 1, 2013, (b) is located in the Commonwealth, and  
222 (c) heats water or air for residential, commercial, institutional, or industrial purposes.

223 "Renewable thermal energy equivalent" means the electrical equivalent in megawatt hours of  
224 renewable thermal energy calculated by dividing (i) the heat content, measured in British thermal units  
225 (BTUs), of the renewable thermal energy at the point of transfer to a residential, commercial, institutional,  
226 or industrial process by (ii) the standard conversion factor of 3.413 million BTUs per megawatt hour.

227 "Renovated and improved facility" means a facility the components of which have been upgraded  
228 to enhance its operating efficiency.

229 "Retail customer" means any person that purchases retail electric energy for its own consumption  
230 at one or more metering points or nonmetered points of delivery located in the Commonwealth.

231 "Retail electric energy" means electric energy sold for ultimate consumption to a retail customer.

232 "Revenue reductions related to energy efficiency programs" means reductions in the collection of  
233 total non-fuel revenues, previously authorized by the Commission to be recovered from customers by a  
234 utility, that occur due to measured and verified decreased consumption of electricity caused by energy  
235 efficiency programs approved by the Commission and implemented by the utility, less the amount by  
236 which such non-fuel reductions in total revenues have been mitigated through other program-related  
237 factors, including reductions in variable operating expenses.

238 "Rooftop solar installation" means a distributed electric generation facility, storage facility, or  
239 generation and storage facility utilizing energy derived from sunlight, with a rated capacity of not less  
240 than 50 kilowatts, that is installed on the roof structure of an incumbent electric utility's commercial or  
241 industrial class customer, including host sites on commercial buildings, multifamily residential buildings,  
242 school or university buildings, and buildings of a church or religious body.

243 "Solar energy system" means a system of components that produces heat or electricity, or both,  
244 from sunlight.

245 "Supplier" means any generator, distributor, aggregator, broker, marketer, or other person who  
246 offers to sell or sells electric energy to retail customers and is licensed by the Commission to do so, but it  
247 does not mean a generator that produces electric energy exclusively for its own consumption or the  
248 consumption of an affiliate.

249 "Supply" or "supplying" electric energy means the sale of or the offer to sell electric energy to a  
250 retail customer.

251 "Total annual energy savings" means (i) the total combined kilowatt-hour savings achieved by  
252 electric utility energy efficiency and demand response programs and measures installed in that program  
253 year, as well as savings still being achieved by measures and programs implemented in prior years, or (ii)  
254 savings attributable to newly installed combined heat and power facilities, including waste heat-to-power  
255 facilities, and any associated reduction in transmission line losses, provided that biomass is not a fuel and  
256 the total efficiency, including the use of thermal energy, for eligible combined heat and power facilities  
257 must meet or exceed 65 percent and have a nameplate capacity rating of less than 25 megawatts.

258 "Transmission of," "transmit," or "transmitting" electric energy means the transfer of electric  
259 energy through the Commonwealth's interconnected transmission grid from a generator to either a  
260 distributor or a retail customer.

261 "Transmission system" means those facilities and equipment that are required to provide for the  
262 transmission of electric energy.

263 "Waste coal" means usable material that is a by-product of previous coal processing operations.

264 "Waste heat to power" means a system that generates electricity through the recovery of a qualified  
265 waste heat resource.

266 **§ 56-585.5. Generation of electricity from renewable and zero carbon sources.**

267 A. As used in this section:

268 "Accelerated renewable energy buyer" means a commercial or industrial customer of a Phase I or  
269 Phase II Utility, irrespective of generation supplier, with an aggregate load over 25 megawatts in the prior  
270 calendar year, that enters into arrangements pursuant to subsection G, as certified by the Commission.

271 "Aggregate load" means the combined electrical load associated with selected accounts of an  
272 accelerated renewable energy buyer with the same legal entity name as, or in the names of affiliated  
273 entities that control, are controlled by, or are under common control of, such legal entity or are the names  
274 of affiliated entities under a common parent.

275 "Control" has the same meaning as provided in § 56-585.1:11.

276 "Falling water" means hydroelectric resources, including run-of-river generation from a combined  
277 pumped-storage and run-of-river facility. "Falling water" does not include electricity generated from  
278 pumped-storage facilities.

279 "Low-income qualifying projects" means a project that provides a minimum of 50 percent of the  
280 respective electric output to low-income utility customers as that term is defined in § 56-576.

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

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

283 "Previously developed project site" means any property, including related buffer areas, if any, that  
284 has been previously disturbed or developed for non-single-family residential, nonagricultural, or  
285 nonsilvicultural use, regardless of whether such property currently is being used for any purpose.

286 "Previously developed project site" includes a brownfield as defined in § 10.1-1230 or any parcel that has  
287 been previously used (i) for a retail, commercial, or industrial purpose; (ii) as a parking lot; (iii) as the site  
288 of a parking lot canopy or structure; (iv) for mining, which is any lands affected by coal mining that took  
289 place before August 3, 1977, or any lands upon which extraction activities have been permitted by the  
290 Department of Energy under Title 45.2; (v) for quarrying; or (vi) as a landfill.

291 "Total electric energy" means total electric energy sold to retail customers in the Commonwealth  
292 service territory of a Phase I or Phase II Utility, other than accelerated renewable energy buyers, by the  
293 incumbent electric utility or other retail supplier of electric energy in the previous calendar year, excluding  
294 an amount equivalent to the annual percentages of the electric energy that was supplied to such customer

295 from nuclear generating plants located within the Commonwealth in the previous calendar year, provided  
296 such nuclear units were operating by July 1, 2020, or from any zero-carbon electric generating facilities  
297 not otherwise RPS eligible sources and placed into service in the Commonwealth after July 1, 2030.

298 "Zero-carbon electricity" means electricity generated by any generating unit that does not emit  
299 carbon dioxide as a by-product of combusting fuel to generate electricity.

300 B. 1. By December 31, 2024, except for any coal-fired electric generating units (i) jointly owned  
301 with a cooperative utility or (ii) owned and operated by a Phase II Utility located in the coalfield region  
302 of the Commonwealth that co-fires with biomass, any Phase I and Phase II Utility shall retire all generating  
303 units principally fueled by oil with a rated capacity in excess of 500 megawatts and all coal-fired electric  
304 generating units operating in the Commonwealth.

305 2. By December 31, 2028, each Phase I and II Utility shall retire all biomass-fired electric  
306 generating units that do not co-fire with coal.

307 3. By December 31, 2045, each Phase I and II Utility shall retire all other electric generating units  
308 located in the Commonwealth that emit carbon as a by-product of combusting fuel to generate electricity.

309 4. A Phase I or Phase II Utility may petition the Commission for relief from the requirements of  
310 this subsection on the basis that the requirement would threaten the reliability or security of electric service  
311 to customers. The Commission shall consider in-state and regional transmission entity resources and shall  
312 evaluate the reliability of each proposed retirement on a case-by-case basis in ruling upon any such  
313 petition.

314 5. Notwithstanding the provisions of this subsection or any other provision of law, no electric  
315 generating unit located in the coalfield region of the Commonwealth capable of generating electricity from  
316 waste coal that began commercial operations after January 1, 2010, shall be required to retire before such  
317 unit reaches the end of its useful life.

318 C. Each Phase I and Phase II Utility shall participate in a renewable energy portfolio standard  
319 program (RPS Program) that establishes annual goals for the sale of renewable energy to all retail  
320 customers in the utility's service territory, other than accelerated renewable energy buyers pursuant to  
321 subsection G, regardless of whether such customers purchase electric supply service from the utility or

322 from suppliers other than the utility. To comply with the RPS Program, each Phase I and Phase II Utility  
323 shall procure and retire Renewable Energy Certificates (RECs) originating from renewable energy  
324 standard eligible sources (RPS eligible sources). For purposes of complying with the RPS Program from  
325 2021 to 2024, a Phase I and Phase II Utility may use RECs from any renewable energy facility, as defined  
326 in § 56-576, provided that such facilities are located in the Commonwealth or are physically located within  
327 the PJM Interconnection, LLC (PJM) region. However, at no time during this period or thereafter may  
328 any Phase I or Phase II Utility use RECs from (i) renewable thermal energy, (ii) renewable thermal energy  
329 equivalent, (iii) biomass-fired facilities that are outside the Commonwealth, or (iv) biomass-fired facilities  
330 operating in the Commonwealth as of January 1, 2020, that supply 10 percent or more of their annual net  
331 electrical generation to the electric grid or more than 15 percent of their annual total useful energy to any  
332 entity other than the manufacturing facility to which the generating source is interconnected. From  
333 compliance year 2025 and all years after, each Phase I and Phase II Utility may only use RECs from RPS  
334 eligible sources for compliance with the RPS Program.

335 In order to qualify as RPS eligible sources, such sources must be (a) electric-generating resources  
336 that generate electric energy derived from solar or wind located in the Commonwealth or off the  
337 Commonwealth's Atlantic shoreline or in federal waters and interconnected directly into the  
338 Commonwealth or physically located within the PJM region; (b) falling water resources located in the  
339 Commonwealth or physically located within the PJM region that were in operation as of January 1, 2020,  
340 that are owned by a Phase I or Phase II Utility or for which a Phase I or Phase II Utility has entered into a  
341 contract prior to January 1, 2020, to purchase the energy, capacity, and renewable attributes of such falling  
342 water resources; (c) non-utility-owned resources from falling water that (1) are less than 65 megawatts,  
343 (2) began commercial operation after December 31, 1979, or (3) added incremental generation  
344 representing greater than 50 percent of the original nameplate capacity after December 31, 1979, provided  
345 that such resources are located in the Commonwealth or are physically located within the PJM region; (d)  
346 waste-to-energy or landfill gas-fired generating resources located in the Commonwealth and in operation  
347 as of January 1, 2020, provided that such resources do not use waste heat from fossil fuel combustion or  
348 forest or woody biomass as fuel; or (e) biomass-fired facilities in operation in the Commonwealth and in

349 operation as of January 1, 2020, that supply no more than 10 percent of their annual net electrical  
 350 generation to the electric grid or no more than 15 percent of their annual total useful energy to any entity  
 351 other than the manufacturing facility to which the generating source is interconnected. Regardless of any  
 352 future maintenance, expansion, or refurbishment activities, the total amount of RECs that may be sold by  
 353 any RPS eligible source using biomass in any year shall be no more than the number of megawatt hours  
 354 of electricity produced by that facility in 2019; however, in no year may any RPS eligible source using  
 355 biomass sell RECs in excess of the actual megawatt-hours of electricity generated by such facility that  
 356 year. In order to comply with the RPS Program, each Phase I and Phase II Utility may use and retire the  
 357 environmental attributes associated with any existing owned or contracted solar, wind, or falling water  
 358 electric generating resources in operation, or proposed for operation, in the Commonwealth or physically  
 359 located within the PJM region, with such resource qualifying as a Commonwealth-located resource for  
 360 purposes of this subsection, as of January 1, 2020, provided such renewable attributes are verified as RECs  
 361 consistent with the PJM-EIS Generation Attribute Tracking System.

362 The RPS Program requirements shall be a percentage of the total electric energy sold in the  
 363 previous calendar year and shall be implemented in accordance with the following schedule:

a	Phase I Utilities		Phase II Utilities	
a	Year	RPS Program	Year	RPS Program
b		Requirement		Requirement
c	2021	6%	2021	14%
d	2022	7%	2022	17%
e	2023	8%	2023	20%
f	2024	10%	2024	23%
g	2025	14%	2025	26%
h	2026	17%	2026	29%
i	2027	20%	2027	32%
j	2028	24%	2028	35%

k	2029	27%	2029	38%
l	2030	30%	2030	41%
m	2031	33%	2031	45%
n	2032	36%	2032	49%
o	2033	39%	2033	52%
p	2034	42%	2034	55%
q	2035	45%	2035	59%
r	2036	53%	2036	63%
s	2037	53%	2037	67%
t	2038	57%	2038	71%
u	2039	61%	2039	75%
v	2040	65%	2040	79%
w	2041	68%	2041	83%
x	2042	71%	2042	87%
y	2043	74%	2043	91%
z	2044	77%	2044	95%
aa	2045	80%	2045 and thereafter	100%
ab	2046	84%		
ac	2047	88%		
ad	2048	92%		
ae	2049	96%		
af	2050 and thereafter	100%		

**365** A Phase II Utility shall meet one percent of the RPS Program requirements in any given  
**366** compliance year with solar, wind, or anaerobic digestion resources of one megawatt or less located in the

367 Commonwealth, with not more than 3,000 kilowatts at any single location or at contiguous locations  
368 owned by the same entity or affiliated entities and, to the extent that low-income qualifying projects are  
369 available, then no less than 25 percent of such one percent shall be composed of low-income qualifying  
370 projects.

371 Beginning with the 2025 compliance year and thereafter, at least 75 percent of all RECs used by a  
372 Phase II Utility in a compliance period shall come from RPS eligible resources located in the  
373 Commonwealth.

374 Any Phase I or Phase II Utility may apply renewable energy sales achieved or RECs acquired in  
375 excess of the sales requirement for that RPS Program to the sales requirements for RPS Program  
376 requirements in the year in which it was generated and the five calendar years after the renewable energy  
377 was generated or the RECs were created. To the extent that a Phase I or Phase II Utility procures RECs  
378 for RPS Program compliance from resources the utility does not own, the utility shall be entitled to recover  
379 the costs of such certificates at its election pursuant to § 56-249.6 or subdivision A 5 d of § 56-585.1.

380 D. Each Phase I or Phase II Utility shall petition the Commission for necessary approvals to  
381 procure zero-carbon electricity generating capacity as set forth in this subsection and energy storage  
382 resources as set forth in subsection E. To the extent that a Phase I or Phase II Utility constructs or acquires  
383 new zero-carbon generating facilities or energy storage resources, the utility shall petition the Commission  
384 for the recovery of the costs of such facilities, at the utility's election, either through its rates for generation  
385 and distribution services or through a rate adjustment clause pursuant to subdivision A 6 of § 56-585.1.  
386 All costs not sought for recovery through a rate adjustment clause pursuant to subdivision A 6 of § 56-  
387 585.1 associated with generating facilities provided by sunlight or onshore or offshore wind are also  
388 eligible to be applied by the utility as a customer credit reinvestment offset as provided in subdivision A  
389 8 of § 56-585.1. Costs associated with the purchase of energy, capacity, or environmental attributes from  
390 facilities owned by the persons other than the utility required by this subsection shall be recovered by the  
391 utility either through its rates for generation and distribution services or pursuant to § 56-249.6.



392 1. Each Phase I Utility shall petition the Commission for necessary approvals to construct, acquire,  
393 or enter into agreements to purchase the energy, capacity, and environmental attributes of 600 megawatts  
394 of generating capacity using energy derived from sunlight or onshore wind.

395 a. By December 31, 2023, each Phase I Utility shall petition the Commission for necessary  
396 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
397 environmental attributes of at least 200 megawatts of generating capacity located in the Commonwealth  
398 using energy derived from sunlight or onshore wind, and 35 percent of such generating capacity procured  
399 shall be from the purchase of energy, capacity, and environmental attributes from solar or onshore wind  
400 facilities owned by persons other than the utility, with the remainder, in the aggregate, being from  
401 construction or acquisition by such Phase I Utility.

402 b. By December 31, 2027, each Phase I Utility shall petition the Commission for necessary  
403 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
404 environmental attributes of at least 200 megawatts of additional generating capacity located in the  
405 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
406 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from solar  
407 or onshore wind facilities owned by persons other than the utility, with the remainder, in the aggregate,  
408 being from construction or acquisition by such Phase I Utility.

409 c. By December 31, 2030, each Phase I Utility shall petition the Commission for necessary  
410 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
411 environmental attributes of at least 200 megawatts of additional generating capacity located in the  
412 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
413 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from solar  
414 or onshore wind facilities owned by persons other than the utility, with the remainder, in the aggregate,  
415 being from construction or acquisition by such Phase I Utility.

416 d. Nothing in this subdivision 1 shall prohibit such Phase I Utility from constructing, acquiring, or  
417 entering into agreements to purchase the energy, capacity, and environmental attributes of more than 600  
418 megawatts of generating capacity located in the Commonwealth using energy derived from sunlight or

419 onshore wind, provided the utility receives approval from the Commission pursuant to §§ 56-580 and 56-  
420 585.1.

421           2. By December 31, 2035, each Phase II Utility shall petition the Commission for necessary  
422 approvals to (i) construct, acquire, or enter into agreements to purchase the energy, capacity, and  
423 environmental attributes of 16,100 megawatts of generating capacity located in the Commonwealth using  
424 energy derived from sunlight or onshore wind, which shall include 1,100 megawatts of solar generation  
425 of a nameplate capacity not to exceed three megawatts per individual project and 35 percent of such  
426 generating capacity procured shall be from the purchase of energy, capacity, and environmental attributes  
427 from solar facilities owned by persons other than a utility, including utility affiliates and deregulated  
428 affiliates and (ii) pursuant to § 56-585.1:11, construct or purchase one or more offshore wind generation  
429 facilities located off the Commonwealth's Atlantic shoreline or in federal waters and interconnected  
430 directly into the Commonwealth with an aggregate capacity of up to 5,200 megawatts. At least 200  
431 megawatts of the 16,100 megawatts shall be placed on previously developed project sites.

432           a. By December 31, 2024, each Phase II Utility shall petition the Commission for necessary  
433 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
434 environmental attributes of at least 3,000 megawatts of generating capacity located in the Commonwealth  
435 using energy derived from sunlight or onshore wind, and 35 percent of such generating capacity procured  
436 shall be from the purchase of energy, capacity, and environmental attributes from solar or onshore wind  
437 facilities owned by persons other than the utility, with the remainder, in the aggregate, being from  
438 construction or acquisition by such Phase II Utility.

439           b. By December 31, 2027, each Phase II Utility shall petition the Commission for necessary  
440 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
441 environmental attributes of at least 3,000 megawatts of additional generating capacity located in the  
442 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
443 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from solar  
444 or onshore wind facilities owned by persons other than the utility, with the remainder, in the aggregate,  
445 being from construction or acquisition by such Phase II Utility.

446 c. By December 31, 2030, each Phase II Utility shall petition the Commission for necessary  
447 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
448 environmental attributes of at least 4,000 megawatts of additional generating capacity located in the  
449 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
450 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from solar  
451 or onshore wind facilities owned by persons other than the utility, with the remainder, in the aggregate,  
452 being from construction or acquisition by such Phase II Utility.

453 d. By December 31, 2035, each Phase II Utility shall petition the Commission for necessary  
454 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and  
455 environmental attributes of at least 6,100 megawatts of additional generating capacity located in the  
456 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
457 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from solar  
458 or onshore wind facilities owned by persons other than the utility, with the remainder, in the aggregate,  
459 being from construction or acquisition by such Phase II Utility.

460 e. Nothing in this subdivision 2 shall prohibit such Phase II Utility from constructing, acquiring,  
461 or entering into agreements to purchase the energy, capacity, and environmental attributes of more than  
462 16,100 megawatts of generating capacity located in the Commonwealth using energy derived from  
463 sunlight or onshore wind, provided the utility receives approval from the Commission pursuant to §§ 56-  
464 580 and 56-585.1.

465 3. Nothing in this section shall prohibit a utility from petitioning the Commission to construct or  
466 acquire zero-carbon electricity or from entering into contracts to procure the energy, capacity, and  
467 environmental attributes of zero-carbon electricity generating resources in excess of the requirements in  
468 subsection B. The Commission shall determine whether to approve such petitions on a stand-alone basis  
469 pursuant to §§ 56-580 and 56-585.1, provided that the Commission's review shall also consider whether  
470 the proposed generating capacity (i) is necessary to meet the utility's native load, (ii) is likely to lower  
471 customer fuel costs, (iii) will provide economic development opportunities in the Commonwealth, and  
472 (iv) serves a need that cannot be more affordably met with demand-side or energy storage resources.

473 Each Phase I and Phase II Utility shall, at least once every year, conduct a request for proposals  
474 for new solar and wind resources. Such requests shall quantify and describe the utility's need for energy,  
475 capacity, or renewable energy certificates. The requests for proposals shall be publicly announced and  
476 made available for public review on the utility's website at least 45 days prior to the closing of such request  
477 for proposals. The requests for proposals shall provide, at a minimum, the following information: (a) the  
478 size, type, and timing of resources for which the utility anticipates contracting; (b) any minimum  
479 thresholds that must be met by respondents; (c) major assumptions to be used by the utility in the bid  
480 evaluation process, including environmental emission standards; (d) detailed instructions for preparing  
481 bids so that bids can be evaluated on a consistent basis; (e) the preferred general location of additional  
482 capacity; and (f) specific information concerning the factors involved in determining the price and non-  
483 price criteria used for selecting winning bids. A utility may evaluate responses to requests for proposals  
484 based on any criteria that it deems reasonable but shall at a minimum consider the following in its selection  
485 process: (1) the status of a particular project's development; (2) the age of existing generation facilities;  
486 (3) the demonstrated financial viability of a project and the developer; (4) a developer's prior experience  
487 in the field; (5) the location and effect on the transmission grid of a generation facility; (6) benefits to the  
488 Commonwealth that are associated with particular projects, including regional economic development and  
489 the use of goods and services from Virginia businesses; and (7) the environmental impacts of particular  
490 resources, including impacts on air quality within the Commonwealth and the carbon intensity of the  
491 utility's generation portfolio.

492 4. In connection with the requirements of this subsection, each Phase I and Phase II Utility shall,  
493 commencing in 2020 and concluding in 2035, submit annually a plan and petition for approval for the  
494 development of new solar and onshore wind generation capacity. Such plan shall reflect, in the aggregate  
495 and over its duration, the requirements of subsection D concerning the allocation percentages for  
496 construction or purchase of such capacity. Such petition shall contain any request for approval to construct  
497 such facilities pursuant to subsection D of § 56-580 and a request for approval or update of a rate  
498 adjustment clause pursuant to subdivision A 6 of § 56-585.1 to recover the costs of such facilities. Such  
499 plan shall also include the utility's plan to meet the energy storage project targets of subsection E, including

500 the goal of installing at least 10 percent of such energy storage projects behind the meter. In determining  
501 whether to approve the utility's plan and any associated petition requests, the Commission shall determine  
502 whether they are reasonable and prudent and shall give due consideration to (i) the RPS and carbon dioxide  
503 reduction requirements in this section, (ii) the promotion of new renewable generation and energy storage  
504 resources within the Commonwealth, and associated economic development, and (iii) fuel savings  
505 projected to be achieved by the plan. Notwithstanding any other provision of this title, the Commission's  
506 final order regarding any such petition and associated requests shall be entered by the Commission not  
507 more than six months after the date of the filing of such petition.

508           5. If, in any year, a Phase I or Phase II Utility is unable to meet the compliance obligation of the  
509 RPS Program requirements or if the cost of RECs necessary to comply with RPS Program requirements  
510 exceeds \$45 per megawatt hour, such supplier shall be obligated to make a deficiency payment equal to  
511 \$45 for each megawatt-hour shortfall for the year of noncompliance, except that the deficiency payment  
512 for any shortfall in procuring RECs for solar, wind, or anaerobic digesters located in the Commonwealth  
513 shall be \$75 per megawatts hour for resources one megawatt and lower. The amount of any deficiency  
514 payment shall increase by one percent annually after 2021. A Phase I or Phase II Utility shall be entitled  
515 to recover the costs of such payments as a cost of compliance with the requirements of this subsection  
516 pursuant to subdivision A 5 d of § 56-585.1. All proceeds from the deficiency payments shall be deposited  
517 into an interest-bearing account administered by the Department of Energy. In administering this account,  
518 the Department of Energy shall manage the account as follows: (i) 50 percent of total revenue shall be  
519 directed to job training programs in historically economically disadvantaged communities; (ii) 16 percent  
520 of total revenue shall be directed to energy efficiency measures for public facilities; (iii) 30 percent of  
521 total revenue shall be directed to renewable energy programs located in historically economically  
522 disadvantaged communities; and (iv) four percent of total revenue shall be directed to administrative costs.

523           For any project constructed pursuant to this subsection or subsection E, a utility shall, subject to a  
524 competitive procurement process, procure equipment from a Virginia-based or United States-based  
525 manufacturer using materials or product components made in Virginia or the United States, if reasonably  
526 available and competitively priced.

527 E. To enhance reliability and performance of the utility's generation and distribution system, each  
528 Phase I and Phase II Utility shall petition the Commission for necessary approvals to construct or acquire  
529 new, utility-owned energy storage resources.

530 1. By December 31, 2035, each Phase I Utility shall petition the Commission for necessary  
531 approvals to construct or acquire 400 megawatts of energy storage capacity. Nothing in this subdivision  
532 shall prohibit a Phase I Utility from constructing or acquiring more than 400 megawatts of energy storage,  
533 provided that the utility receives approval from the Commission pursuant to §§ 56-580 and 56-585.1.

534 2. By December 31, 2035, each Phase II Utility shall petition the Commission for necessary  
535 approvals to construct or acquire 2,700 megawatts of energy storage capacity. Nothing in this subdivision  
536 shall prohibit a Phase II Utility from constructing or acquiring more than 2,700 megawatts of energy  
537 storage, provided that the utility receives approval from the Commission pursuant to §§ 56-580 and 56-  
538 585.1.

539 3. No single energy storage project shall exceed 500 megawatts in size, except that a Phase II  
540 Utility may procure a single energy storage project up to 800 megawatts.

541 4. All energy storage projects procured pursuant to this subsection shall meet the competitive  
542 procurement protocols established in subdivision D 3.

543 5. After July 1, 2020, at least 35 percent of the energy storage facilities placed into service shall  
544 be (i) purchased by the public utility from a party other than the public utility or (ii) owned by a party  
545 other than a public utility, with the capacity from such facilities sold to the public utility. By January 1,  
546 2021, the Commission shall adopt regulations to achieve the deployment of energy storage for the  
547 Commonwealth required in subdivisions 1 and 2, including regulations that set interim targets and update  
548 existing utility planning and procurement rules. The regulations shall include programs and mechanisms  
549 to deploy energy storage, including competitive solicitations, behind-the-meter incentives, non-wires  
550 alternatives programs, and peak demand reduction programs.

551 F. All costs incurred by a Phase I or Phase II Utility related to compliance with the requirements  
552 of this section or pursuant to § 56-585.1:11, including (i) costs of generation facilities powered by sunlight  
553 or onshore or offshore wind, or energy storage facilities, that are constructed or acquired by a Phase I or

554 Phase II Utility after July 1, 2020, (ii) costs of capacity, energy, or environmental attributes from  
555 generation facilities powered by sunlight or onshore or offshore wind, or falling water, or energy storage  
556 facilities purchased by the utility from persons other than the utility through agreements after July 1, 2020,  
557 and (iii) all other costs of compliance, including costs associated with the purchase of RECs associated  
558 with RPS Program requirements pursuant to this section shall be recovered from all retail customers in  
559 the service territory of a Phase I or Phase II Utility as a non-bypassable charge, irrespective of the  
560 generation supplier of such customer, except (a) as provided in subsection G for an accelerated renewable  
561 energy buyer or (b) as provided in subdivision C 3 of § 56-585.1:11, with respect to the costs of an offshore  
562 wind generation facility, for a PIPP eligible utility customer or an advanced clean energy buyer or  
563 qualifying large general service customer, as those terms are defined in § 56-585.1:11. If a Phase I or  
564 Phase II Utility serves customers in more than one jurisdiction, such utility shall recover all of the costs  
565 of compliance with the RPS Program requirements from its Virginia customers through the applicable  
566 cost recovery mechanism, and all associated energy, capacity, and environmental attributes shall be  
567 assigned to Virginia to the extent that such costs are requested but not recovered from any system  
568 customers outside the Commonwealth.

569 By September 1, 2020, the Commission shall direct the initiation of a proceeding for each Phase I  
570 and Phase II Utility to review and determine the amount of such costs, net of benefits, that should be  
571 allocated to retail customers within the utility's service territory which have elected to receive electric  
572 supply service from a supplier of electric energy other than the utility, and shall direct that tariff provisions  
573 be implemented to recover those costs from such customers beginning no later than January 1, 2021.  
574 Thereafter, such charges and tariff provisions shall be updated and trued up by the utility on an annual  
575 basis, subject to continuing review and approval by the Commission.

576 G. 1. An accelerated renewable energy buyer may contract with a Phase I or Phase II Utility, or a  
577 person other than a Phase I or Phase II Utility, to obtain (i) RECs from RPS eligible resources or (ii)  
578 bundled capacity, energy, and RECs from solar or wind generation resources located within the PJM  
579 region and initially placed in commercial operation after January 1, 2015, including any contract with a  
580 utility for such generation resources that does not allocate to or recover from any other customer of the

581 utility the cost of such resources. Such an accelerated renewable energy buyer may offset all or a portion  
582 of its electric load for purposes of RPS compliance through such arrangements. An accelerated renewable  
583 energy buyer shall be exempt from the assignment of non-bypassable RPS compliance costs pursuant to  
584 subsection F, with the exception of the costs of an offshore wind generating facility pursuant to § 56-  
585 585.1:11, based on the amount of RECs obtained pursuant to this subsection in proportion to the  
586 customer's total electric energy consumption, on an annual basis. An accelerated renewable energy buyer  
587 obtaining RECs only shall not be exempt from costs related to procurement of new solar or onshore wind  
588 generation capacity, energy, or environmental attributes, or energy storage facilities, by the utility pursuant  
589 to subsections D and E, however, an accelerated renewable energy buyer that is a customer of a Phase II  
590 Utility and was subscribed, as of March 1, 2020, to a voluntary companion experimental tariff offering of  
591 the utility for the purchase of renewable attributes from renewable energy facilities that requires a  
592 renewable facilities agreement and the purchase of a minimum of 2,000 renewable attributes annually,  
593 shall be exempt from allocation of the net costs related to procurement of new solar or onshore wind  
594 generation capacity, energy, or environmental attributes, or energy storage facilities, by the utility pursuant  
595 to subsections D and E, based on the amount of RECs associated with the customer's renewable facilities  
596 agreements associated with such tariff offering as of that date in proportion to the customer's total electric  
597 energy consumption, on an annual basis. To the extent that an accelerated renewable energy buyer  
598 contracts for the capacity of new solar or wind generation resources pursuant to this subsection, the  
599 aggregate amount of such nameplate capacity shall be offset from the utility's procurement requirements  
600 pursuant to subsection D. All RECs associated with contracts entered into by an accelerated renewable  
601 energy buyer with the utility, or a person other than the utility, for an RPS Program shall not be credited  
602 to the utility's compliance with its RPS requirements, and the calculation of the utility's RPS Program  
603 requirements shall not include the electric load covered by customers certified as accelerated renewable  
604 energy buyers.

605           2. Each Phase I or Phase II Utility shall certify, and verify as necessary, to the Commission that  
606 the accelerated renewable energy buyer has satisfied the exemption requirements of this subsection for  
607 each year, or an accelerated renewable energy buyer may choose to certify satisfaction of this exemption



608 by reporting to the Commission individually. The Commission may promulgate such rules and regulations  
609 as may be necessary to implement the provisions of this subsection.

610 3. Provided that no incremental costs associated with any contract between a Phase I or Phase II  
611 Utility and an accelerated renewable energy buyer is allocated to or recovered from any other customer of  
612 the utility, any such contract with an accelerated renewable energy buyer that is a jurisdictional customer  
613 of the utility shall not be deemed a special rate or contract requiring Commission approval pursuant to §  
614 56-235.2.

615 H. No customer of a Phase II Utility with a peak demand in excess of 100 megawatts in 2019 that  
616 elected pursuant to subdivision A 3 of § 56-577 to purchase electric energy from a competitive service  
617 provider prior to April 1, 2019, shall be allocated any non-bypassable charges pursuant to subsection F  
618 for such period that the customer is not purchasing electric energy from the utility, and such customer's  
619 electric load shall not be included in the utility's RPS Program requirements. No customer of a Phase I  
620 Utility that elected pursuant to subdivision A 3 of § 56-577 to purchase electric energy from a competitive  
621 service provider prior to February 1, 2019, shall be allocated any non-bypassable charges pursuant to  
622 subsection F for such period that the customer is not purchasing electric energy from the utility, and such  
623 customer's electric load shall not be included in the utility's RPS Program requirements.

624 I. Nothing in this section shall apply to any entity organized under Chapter 9.1 (§ 56-231.15 et  
625 seq.).

626 J. The Commission shall adopt such rules and regulations as may be necessary to implement the  
627 provisions of this section, including a requirement that participants verify whether the RPS Program  
628 requirements are met in accordance with this section.

629 **2. That § 30-209 of the Code of Virginia and the sixth and eleventh enactments of Chapter 1193 and**  
630 **the sixth and eleventh enactments of Chapter 1194 of the Acts of Assembly of 2020 are repealed.**

631 **3. That the Department of Energy, in cooperation with the Virginia Nuclear Energy Consortium**  
632 **Authority, shall convene a stakeholder work group to identify strategies and any needed public**  
633 **policies, including statutory or regulatory changes, for promoting the development of advanced**  
634 **small modular reactors in the Commonwealth.**

635 4. That the Department of Energy shall consider the economic development of rural Virginia while  
636 minimizing the impact on prime farmland, as defined in § 3.2-205 of the Code of Virginia, a key  
637 priority in completing its update to the Virginia Energy Plan scheduled for 2022.

638 5. That the Virginia Cooperative Extension shall work to develop a map or repository of prime  
639 farmland and in doing so shall consult with relevant and necessary state agencies, including the  
640 Department of Agriculture and Consumer Services, the Department of Forestry, the Department of  
641 Conservation and Recreation, and the Department of Energy. Such agencies shall provide  
642 assistance, including access to relevant data or information for purposes of developing a map or  
643 repository of prime farmland, as defined in § 3.2-205 of the Code of Virginia, to the Virginia  
644 Cooperative Extension upon request. The Virginia Cooperative Extension may enter into  
645 agreements with private nonprofit groups for the purpose of gathering additional data to identify  
646 land with conservation easements or agricultural potential and land that would be more suitable  
647 for development with solar energy collection devices or energy storage devices. The Virginia  
648 Cooperative Extension may work with Phase I and Phase II Utilities to identify relevant distribution  
649 and transmission grid information to further assist localities in siting determinations regarding  
650 solar energy collection devices or energy storage devices. Such electric distribution and transmission  
651 grid information shall not be subject to the disclosure requirements of the Virginia Freedom of  
652 Information Act, (§ 2.2-3700 et seq. of the Code of Virginia). The Virginia Cooperative Extension  
653 shall submit to the Governor and the General Assembly an initial report on the development of a  
654 map or repository for prime farmland, as required by the provisions of this enactment, no later  
655 than December 1, 2022. Such report shall include recommendations for the appropriate permanent  
656 location for such map or repository, methods by which such map or repository can be made  
657 available for public use, and the estimated initial and ongoing costs to be incurred in maintaining  
658 such map or repository. The development of the report and recommendations by the Virginia  
659 Cooperative Extension shall be funded either privately or through appropriations designated for  
660 specified activities required by this enactment.

661 6. That, in furtherance of economic development in the Commonwealth, the State Corporation  
662 Commission (the Commission) shall develop a site readiness program for economic development  
663 sites identified by the Virginia Economic Development Partnership served by a Phase I Utility or  
664 Phase II Utility, as those terms are defined in subdivision A 1 of § 56-585.1 of the Code of Virginia,  
665 based on best practices in key competitor states. In developing this program, the Commission shall  
666 consider, but is not limited by, the provisions of the existing pilot program established in § 56-  
667 585.1:10 of the Code of Virginia. In developing this program, the Commission shall consult with the  
668 Virginia Economic Development Partnership, local economic development officials, affected  
669 utilities, and other stakeholders as it deems appropriate. The Commission shall implement such a  
670 program no later than December 1, 2022, and shall report by December 15, 2022, to the Governor  
671 and General Assembly any recommendations it identifies for additional legislative changes in  
672 furtherance of site readiness specifically and economic development generally.

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