

22105904D

HOUSE BILL NO. 74

AMENDMENT IN THE NATURE OF A SUBSTITUTE
(Proposed by the House Committee on Commerce and Energy
on February 8, 2022)

(Patron Prior to Substitute—Delegate Ware)

A BILL to amend and reenact §§ 56-576, 56-585.1:11, and 56-585.5 of the Code of Virginia, relating to Virginia Clean Economy Act; non-bypassable charges; energy-intensive trade-exposed industries.

Be it enacted by the General Assembly of Virginia:

1. That §§ 56-576, 56-585.1:11, and 56-585.5 of the Code of Virginia are amended and reenacted as follows:

§ 56-576. Definitions.

As used in this chapter:

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

"Aggregator" means a person that, as an agent or intermediary, (i) offers to purchase, or purchases, electric energy or (ii) offers to arrange for, or arranges for, the purchase of electric energy, for sale to, or on behalf of, two or more retail customers not controlled by or under common control with such person. The following activities shall not, in and of themselves, make a person an aggregator under this chapter: (i) furnishing legal services to two or more retail customers, suppliers or aggregators; (ii) furnishing educational, informational, or analytical services to two or more retail customers, unless direct or indirect compensation for such services is paid by an aggregator or supplier of electric energy; (iii) furnishing educational, informational, or analytical services to two or more suppliers or aggregators; (iv) providing default service under § 56-585; (v) engaging in activities of a retail electric energy supplier, licensed pursuant to § 56-587, which are authorized by such supplier's license; and (vi) engaging in actions of a retail customer, in common with one or more other such retail customers, to issue a request for proposal or to negotiate a purchase of electric energy for consumption by such retail customers.

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

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

"Commission" means the State Corporation Commission.

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

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

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

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

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

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

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

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

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

"Electric distribution grid transformation project" means a project associated with electric distribution infrastructure, including related data analytics equipment, that is designed to accommodate or facilitate

60 the integration of utility-owned or customer-owned renewable electric generation resources with the  
61 utility's electric distribution grid or to otherwise enhance electric distribution grid reliability, electric  
62 distribution grid security, customer service, or energy efficiency and conservation, including advanced  
63 metering infrastructure; intelligent grid devices for real time system and asset information; automated  
64 control systems for electric distribution circuits and substations; communications networks for service  
65 meters; intelligent grid devices and other distribution equipment; distribution system hardening projects  
66 for circuits, other than the conversion of overhead tap lines to underground service, and substations  
67 designed to reduce service outages or service restoration times; physical security measures at key  
68 distribution substations; cyber security measures; energy storage systems and microgrids that support  
69 circuit-level grid stability, power quality, reliability, or resiliency or provide temporary backup energy  
70 supply; electrical facilities and infrastructure necessary to support electric vehicle charging systems; LED  
71 street light conversions; and new customer information platforms designed to provide improved customer  
72 access, greater service options, and expanded access to energy usage information.

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

76 "Energy efficiency program" means a program that reduces the total amount of electricity that is  
77 required for the same process or activity implemented after the expiration of capped rates. Energy  
78 efficiency programs include equipment, physical, or program change designed to produce measured and  
79 verified reductions in the amount of electricity required to perform the same function and produce the  
80 same or a similar outcome. Energy efficiency programs may include, but are not limited to, (i) programs  
81 that result in improvements in lighting design, heating, ventilation, and air conditioning systems,  
82 appliances, building envelopes, and industrial and commercial processes; (ii) measures, such as but not  
83 limited to the installation of advanced meters, implemented or installed by utilities, that reduce fuel use  
84 or losses of electricity and otherwise improve internal operating efficiency in generation, transmission,  
85 and distribution systems; and (iii) customer engagement programs that result in measurable and  
86 verifiable energy savings that lead to efficient use patterns and practices. Energy efficiency programs  
87 include demand response, combined heat and power and waste heat recovery, curtailment, or other  
88 programs that are designed to reduce electricity consumption so long as they reduce the total amount of  
89 electricity that is required for the same process or activity. Utilities shall be authorized to install and  
90 operate such advanced metering technology and equipment on a customer's premises; however, nothing  
91 in this chapter establishes a requirement that an energy efficiency program be implemented on a  
92 customer's premises and be connected to a customer's wiring on the customer's side of the  
93 inter-connection without the customer's expressed consent.

94 "*Energy-intensive trade-exposed industries*" or "*EITE industries*" means companies that are  
95 constrained in their ability to pass through carbon costs due to international competition and engage in  
96 importation of products that cause emission leakage, identified by the NAICS and defined within the  
97 American Clean Energy and Security Act of 2009. "*EITE industries*" also means critical infrastructure  
98 facilities identified by the U.S. Department of Homeland Security, the U.S. Department of Defense  
99 through its Critical Infrastructure Program, and the Cybersecurity and Infrastructure Security Agency  
100 and its Defense Industrial Base Sector.

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

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

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

106 "Incumbent electric utility" means each electric utility in the Commonwealth that, prior to July 1,  
107 1999, supplied electric energy to retail customers located in an exclusive service territory established by  
108 the Commission.

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

112 "In the public interest," for purposes of assessing energy efficiency programs, describes an energy  
113 efficiency program if the Commission determines that the net present value of the benefits exceeds the  
114 net present value of the costs as determined by not less than any three of the following four tests: (i) the  
115 Total Resource Cost Test; (ii) the Utility Cost Test (also referred to as the Program Administrator Test);  
116 (iii) the Participant Test; and (iv) the Ratepayer Impact Measure Test. Such determination shall include  
117 an analysis of all four tests, and a program or portfolio of programs shall be approved if the net present  
118 value of the benefits exceeds the net present value of the costs as determined by not less than any three  
119 of the four tests. If the Commission determines that an energy efficiency program or portfolio of  
120 programs is not in the public interest, its final order shall include all work product and analysis  
121 conducted by the Commission's staff in relation to that program, including testimony relied upon by the

122 Commission's staff, that has bearing upon the Commission's decision. If the Commission reduces the  
 123 proposed budget for a program or portfolio of programs, its final order shall include an analysis of the  
 124 impact such budget reduction has upon the cost-effectiveness of such program or portfolio of programs.  
 125 An order by the Commission (a) finding that a program or portfolio of programs is not in the public  
 126 interest or (b) reducing the proposed budget for any program or portfolio of programs shall adhere to  
 127 existing protocols for extraordinarily sensitive information. In addition, an energy efficiency program  
 128 may be deemed to be "in the public interest" if the program (1) provides measurable and verifiable  
 129 energy savings to low-income customers or elderly customers or (2) is a pilot program of limited scope,  
 130 cost, and duration, that is intended to determine whether a new or substantially revised program or  
 131 technology would be cost-effective.

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

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

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

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

148 "New underground facilities" means facilities to provide underground distribution service. "New  
 149 underground facilities" includes underground cables with voltages of 69 kilovolts or less, pad-mounted  
 150 devices, connections at customer meters, and transition terminations from existing overhead distribution  
 151 sources.

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

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

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

159 "Previously developed project site" means any property, including related buffer areas, if any, that  
 160 has been previously disturbed or developed for non-single-family residential, non-agricultural, or  
 161 non-silvicultural use, regardless of whether such property currently is being used for any purpose.

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

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

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

177 "Renewable thermal energy" means the thermal energy output from (i) a renewable-fueled combined  
 178 heat and power generation facility that is (a) constructed, or renovated and improved, after January 1,  
 179 2012, (b) located in the Commonwealth, and (c) utilized in industrial processes other than the combined  
 180 heat and power generation facility or (ii) a solar energy system, certified to the OG-100 standard of the  
 181 Solar Ratings and Certification Corporation or an equivalent certification body, that (a) is constructed, or  
 182 renovated and improved, after January 1, 2013, (b) is located in the Commonwealth, and (c) heats water

183 or air for residential, commercial, institutional, or industrial purposes.

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

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

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

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

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

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

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

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

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

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

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

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

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

#### 228 **§ 56-585.1:11. Development of offshore wind capacity.**

229 A. As used in this section:

230 "Advanced clean energy buyer" means a commercial or industrial customer of a Phase II Utility,  
231 irrespective of generation supplier, (i) with an aggregate load over 100 megawatts; (ii) with an aggregate  
232 amount of at least 200 megawatts of solar or wind energy supply under contract with a term of 10 years  
233 or more from facilities located within the Commonwealth by January 1, 2024; and (iii) that directly  
234 procures from the utility the electric supply and environmental attributes of the offshore wind facility  
235 associated with the lesser of 50 megawatts of nameplate capacity or 15 percent of the commercial or  
236 industrial customer's annual peak demand for a contract period of 15 years.

237 "Aggregate load" means the combined electrical load associated with selected accounts of an  
238 advanced clean energy buyer with the same legal entity name as, or in the names of affiliated entities  
239 that control, are controlled by, or are under common control of, such legal entity or are the names of  
240 affiliated entities under a common parent.

241 "Control" means the legal right, directly or indirectly, to direct or cause the direction of the  
242 management, actions, or policies of an affiliated entity, whether through the ability to exercise voting  
243 power, by contract, or otherwise. "Control" does not include control of an entity through a franchise or  
244 similar contractual agreement.

245 "Qualifying large general service customer" means a customer of a Phase II Utility, irrespective of  
246 general supplier, (i) whose peak demand during the most recent calendar year exceeded five megawatts  
247 and (ii) that contracts with the utility to directly procure electric supply and environmental attributes  
248 associated with the offshore wind facility in amounts commensurate with the customer's electric usage  
249 for a contract period of 15 years or more.

250 B. In order to meet the Commonwealth's clean energy goals, prior to December 31, 2034, the  
251 construction or purchase by a public utility of one or more offshore wind generation facilities located off  
252 the Commonwealth's Atlantic shoreline or in federal waters and interconnected directly into the  
253 Commonwealth, with an aggregate capacity of up to 5,200 megawatts, is in the public interest and the  
254 Commission shall so find, provided that no customers of the utility shall be responsible for costs of any  
255 such facility in a proportion greater than the utility's share of the facility.

256 C. 1. Pursuant to subsection B, construction by a Phase II Utility of one or more new utility-owned  
257 and utility-operated generating facilities utilizing energy derived from offshore wind and located off the  
258 Commonwealth's Atlantic shoreline, with an aggregate rated capacity of not less than 2,500 megawatts  
259 and not more than 3,000 megawatts, along with electrical transmission or distribution facilities associated  
260 therewith for interconnection is in the public interest. In acting upon any request for cost recovery by a  
261 Phase II Utility for costs associated with such a facility, the Commission shall determine the  
262 reasonableness and prudence of any such costs, provided that such costs shall be presumed to be  
263 reasonably and prudently incurred if the Commission determines that (i) the utility has complied with  
264 the competitive solicitation and procurement requirements pursuant to subsection E; (ii) the project's  
265 projected total levelized cost of energy, including any tax credit, on a cost per megawatt hour basis,  
266 inclusive of the costs of transmission and distribution facilities associated with the facility's  
267 interconnection, does not exceed 1.4 times the comparable cost, on an unweighted average basis, of a  
268 conventional simple cycle combustion turbine generating facility as estimated by the U.S. Energy  
269 Information Administration in its Annual Energy Outlook 2019; and (iii) the utility has commenced  
270 construction of such facilities for U.S. income taxation purposes prior to January 1, 2024, or has a plan  
271 for such facility or facilities to be in service prior to January 1, 2028. The Commission shall disallow  
272 costs, or any portion thereof, only if they are otherwise unreasonably and imprudently incurred. In its  
273 review, the Commission shall give due consideration to (a) the Commonwealth's renewable portfolio  
274 standards and carbon reduction requirements, (b) the promotion of new renewable generation resources,  
275 and (c) the economic development benefits of the project for the Commonwealth, including capital  
276 investments and job creation.

277 2. Notwithstanding the provisions of § 56-585.1, the Commission shall not grant an enhanced rate of  
278 return to a Phase II Utility for the construction of one or more new utility-owned and utility-operated  
279 generating facilities utilizing energy derived from offshore wind and located off the Commonwealth's  
280 Atlantic shoreline pursuant to this section.

281 3. Any such costs proposed for recovery through a rate adjustment clause pursuant to subdivision A  
282 6 of § 56-585.1 shall be allocated to all customers of the utility in the Commonwealth as a  
283 non-bypassable charge, regardless of the generation supplier of any such customer, other than (i) PIPP  
284 eligible utility customers, (ii) advanced clean energy buyers, (iii) *energy-intensive trade-exposed*  
285 *industries*, and (iii) (iv) qualifying large general service customers. No electric cooperative customer of  
286 the utility shall be assigned, nor shall the utility collect from any such cooperative, any of the costs of  
287 such facilities, including electrical transmission or distribution facilities associated therewith for  
288 interconnection. The Commission may promulgate such rules, regulations, or other directives necessary  
289 to administer the eligibility for these exemptions.

290 4. The Commission shall permit a portion of the nameplate capacity of any such facility, in the  
291 aggregate, to be allocated to (i) advanced clean energy buyers or (ii) qualifying large general service  
292 customers, provided that no more than 10 percent of the offshore wind facility's capacity is allocated to  
293 qualifying large general service customers. A Phase II Utility shall petition the Commission for approval  
294 of a special contract with any advanced clean energy buyer, or any special rate applicable to qualifying  
295 large general service customers, pursuant to § 56-235.2, no later than 15 months prior to the projected  
296 commercial operation date of the facility, and all customer enrollments associated with such special  
297 contracts or rates shall be completed prior to commercial operation of the facility. Any such special  
298 contract or rate may include provisions for levelized rates of service over the duration of the customer's  
299 contracted agreement with the utility, and the Commission shall determine that such special contract or  
300 rate is designed to hold nonparticipating customers harmless over its term in connection with any  
301 petition for approval by the utility. The utility may petition for approval of such special contracts or  
302 rates in connection with any petition for approval of a rate adjustment clause pursuant to subdivision A  
303 6 of § 56-585.1 to recover the costs of the facility, and the Commission shall rule upon any such  
304 petitions in its final order in such proceeding within nine months from the date of filing.

305 D. In constructing any such facility contemplated in subsection B, the utility shall develop and

306 submit a plan to the Commission for review that includes the following considerations: (i) options for  
307 utilizing local workers; (ii) the economic development benefits of the project for the Commonwealth,  
308 including capital investments and job creation; (iii) consultation with the Commonwealth's Chief  
309 Workforce Development Officer, the Chief Diversity, Equity, and Inclusion Officer, and the Virginia  
310 Economic Development Partnership on opportunities to advance the Commonwealth's workforce and  
311 economic development goals, including furtherance of apprenticeship and other workforce training  
312 programs; (iv) giving priority to the hiring, apprenticeship, and training of veterans, as that term is  
313 defined in § 2.2-2000.1, local workers, and workers from historically economically disadvantaged  
314 communities; and (v) procurement of equipment from Virginia-based or United States-based  
315 manufacturers using materials or product components made in Virginia or the United States, if  
316 reasonably available and competitively priced.

317 E. Any project constructed or purchased pursuant to subsection B shall (i) be subject to competitive  
318 procurement or solicitation for a substantial majority of the services and equipment, exclusive of  
319 interconnection costs, associated with the facility's construction; (ii) involve at least one experienced  
320 developer; and (iii) demonstrate the economic development benefits within the Commonwealth, including  
321 capital investments and job creation. A utility may give appropriate consideration to suppliers and  
322 developers that have demonstrated successful experience in offshore wind.

323 F. Any project shall include an environmental and fisheries mitigation plan submitted to the  
324 Commission for the construction and operation of such offshore wind facilities, provided that such plan  
325 includes an explicit description of the best management practices the bidder will employ that considers  
326 the latest science at the time the proposal is made to mitigate adverse impacts to wildlife, natural  
327 resources, ecosystems, and traditional or existing water-dependent uses. The plan shall include a  
328 summary of pre-construction assessment activities, consistent with federal requirements, to determine the  
329 spatial and temporal presence and abundance of marine mammals, sea turtles, birds, and bats in the  
330 offshore wind lease area.

331 **§ 56-585.5. Generation of electricity from renewable and zero carbon sources.**

332 A. As used in this section:

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

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

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

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

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

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

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

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

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

357 "Total electric energy" means total electric energy sold to retail customers in the Commonwealth  
358 service territory of a Phase I or Phase II Utility, other than accelerated renewable energy buyers, by the  
359 incumbent electric utility or other retail supplier of electric energy in the previous calendar year,  
360 excluding an amount equivalent to the annual percentages of the electric energy that was supplied to  
361 such customer from nuclear generating plants located within the Commonwealth in the previous calendar  
362 year, provided such nuclear units were operating by July 1, 2020, or from any zero-carbon electric  
363 generating facilities not otherwise RPS eligible sources and placed into service in the Commonwealth  
364 after July 1, 2030.

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

367 B. 1. By December 31, 2024, except for any coal-fired electric generating units (i) jointly owned

368 with a cooperative utility or (ii) owned and operated by a Phase II Utility located in the coalfield region  
369 of the Commonwealth that co-fires with biomass, any Phase I and Phase II Utility shall retire all  
370 generating units principally fueled by oil with a rated capacity in excess of 500 megawatts and all  
371 coal-fired electric generating units operating in the Commonwealth.

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

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

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

382 C. Each Phase I and Phase II Utility shall participate in a renewable energy portfolio standard  
383 program (RPS Program) that establishes annual goals for the sale of renewable energy to all retail  
384 customers in the utility's service territory, other than accelerated renewable energy buyers pursuant to  
385 subsection G, regardless of whether such customers purchase electric supply service from the utility or  
386 from suppliers other than the utility. To comply with the RPS Program, each Phase I and Phase II  
387 Utility shall procure and retire Renewable Energy Certificates (RECs) originating from renewable energy  
388 standard eligible sources (RPS eligible sources). For purposes of complying with the RPS Program from  
389 2021 to 2024, a Phase I and Phase II Utility may use RECs from any renewable energy facility, as  
390 defined in § 56-576, provided that such facilities are located in the Commonwealth or are physically  
391 located within the PJM Interconnection, LLC (PJM) region. However, at no time during this period or  
392 thereafter may any Phase I or Phase II Utility use RECs from (i) renewable thermal energy, (ii)  
393 renewable thermal energy equivalent, (iii) biomass-fired facilities that are outside the Commonwealth, or  
394 (iv) biomass-fired facilities operating in the Commonwealth as of January 1, 2020, that supply 10  
395 percent or more of their annual net electrical generation to the electric grid or more than 15 percent of  
396 their annual total useful energy to any entity other than the manufacturing facility to which the  
397 generating source is interconnected. From compliance year 2025 and all years after, each Phase I and  
398 Phase II Utility may only use RECs from RPS eligible sources for compliance with the RPS Program.

399 In order to qualify as RPS eligible sources, such sources must be (a) electric-generating resources  
400 that generate electric energy derived from solar or wind located in the Commonwealth or off the  
401 Commonwealth's Atlantic shoreline or in federal waters and interconnected directly into the  
402 Commonwealth or physically located within the PJM region; (b) falling water resources located in the  
403 Commonwealth or physically located within the PJM region that were in operation as of January 1,  
404 2020, that are owned by a Phase I or Phase II Utility or for which a Phase I or Phase II Utility has  
405 entered into a contract prior to January 1, 2020, to purchase the energy, capacity, and renewable  
406 attributes of such falling water resources; (c) non-utility-owned resources from falling water that (1) are  
407 less than 65 megawatts, (2) began commercial operation after December 31, 1979, or (3) added  
408 incremental generation representing greater than 50 percent of the original nameplate capacity after  
409 December 31, 1979, provided that such resources are located in the Commonwealth or are physically  
410 located within the PJM region; (d) waste-to-energy or landfill gas-fired generating resources located in  
411 the Commonwealth and in operation as of January 1, 2020, provided that such resources do not use  
412 waste heat from fossil fuel combustion or forest or woody biomass as fuel; or (e) biomass-fired facilities  
413 in operation in the Commonwealth and in operation as of January 1, 2020, that supply no more than 10  
414 percent of their annual net electrical generation to the electric grid or no more than 15 percent of their  
415 annual total useful energy to any entity other than the manufacturing facility to which the generating  
416 source is interconnected. Regardless of any future maintenance, expansion, or refurbishment activities,  
417 the total amount of RECs that may be sold by any RPS eligible source using biomass in any year shall  
418 be no more than the number of megawatt hours of electricity produced by that facility in 2019;  
419 however, in no year may any RPS eligible source using biomass sell RECs in excess of the actual  
420 megawatt-hours of electricity generated by such facility that year. In order to comply with the RPS  
421 Program, each Phase I and Phase II Utility may use and retire the environmental attributes associated  
422 with any existing owned or contracted solar, wind, or falling water electric generating resources in  
423 operation, or proposed for operation, in the Commonwealth or physically located within the PJM region,  
424 with such resource qualifying as a Commonwealth-located resource for purposes of this subsection, as of  
425 January 1, 2020, provided such renewable attributes are verified as RECs consistent with the PJM-EIS  
426 Generation Attribute Tracking System.

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

Phase I Utilities			Phase II Utilities		
Year	RPS Program Requirement		Year	RPS Program Requirement	
2021	6%		2021	14%	
2022	7%		2022	17%	
2023	8%		2023	20%	
2024	10%		2024	23%	
2025	14%		2025	26%	
2026	17%		2026	29%	
2027	20%		2027	32%	
2028	24%		2028	35%	
2029	27%		2029	38%	
2030	30%		2030	41%	
2031	33%		2031	45%	
2032	36%		2032	49%	
2033	39%		2033	52%	
2034	42%		2034	55%	
2035	45%		2035	59%	
2036	53%		2036	63%	
2037	53%		2037	67%	
2038	57%		2038	71%	
2039	61%		2039	75%	
2040	65%		2040	79%	
2041	68%		2041	83%	
2042	71%		2042	87%	
2043	74%		2043	91%	
2044	77%		2044	95%	
2045	80%	2045 and thereafter		100%	
2046	84%				
2047	88%				
2048	92%				
2049	96%				
2050 and thereafter	100%				

A Phase II Utility shall meet one percent of the RPS Program requirements in any given compliance year with solar, wind, or anaerobic digestion resources of one megawatt or less located in the Commonwealth, with not more than 3,000 kilowatts at any single location or at contiguous locations owned by the same entity or affiliated entities and, to the extent that low-income qualifying projects are available, then no less than 25 percent of such one percent shall be composed of low-income qualifying projects.

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

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

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

1. Each Phase I Utility shall petition the Commission for necessary approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and environmental attributes of 600 megawatts

494 of generating capacity using energy derived from sunlight or onshore wind.

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

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

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

516 d. Nothing in this subdivision 1 shall prohibit such Phase I Utility from constructing, acquiring, or  
517 entering into agreements to purchase the energy, capacity, and environmental attributes of more than 600  
518 megawatts of generating capacity located in the Commonwealth using energy derived from sunlight or  
519 onshore wind, provided the utility receives approval from the Commission pursuant to §§ 56-580 and  
520 56-585.1.

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

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

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

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

553 d. By December 31, 2035, each Phase II Utility shall petition the Commission for necessary  
554 approvals to construct, acquire, or enter into agreements to purchase the energy, capacity, and

555 environmental attributes of at least 6,100 megawatts of additional generating capacity located in the  
556 Commonwealth using energy derived from sunlight or onshore wind, and 35 percent of such generating  
557 capacity procured shall be from the purchase of energy, capacity, and environmental attributes from  
558 solar or onshore wind facilities owned by persons other than the utility, with the remainder, in the  
559 aggregate, being from construction or acquisition by such Phase II Utility.

560 e. Nothing in this subdivision 2 shall prohibit such Phase II Utility from constructing, acquiring, or  
561 entering into agreements to purchase the energy, capacity, and environmental attributes of more than  
562 16,100 megawatts of generating capacity located in the Commonwealth using energy derived from  
563 sunlight or onshore wind, provided the utility receives approval from the Commission pursuant to  
564 §§ 56-580 and 56-585.1.

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

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

592 4. In connection with the requirements of this subsection, each Phase I and Phase II Utility shall,  
593 commencing in 2020 and concluding in 2035, submit annually a plan and petition for approval for the  
594 development of new solar and onshore wind generation capacity. Such plan shall reflect, in the  
595 aggregate and over its duration, the requirements of subsection D concerning the allocation percentages  
596 for construction or purchase of such capacity. Such petition shall contain any request for approval to  
597 construct such facilities pursuant to subsection D of § 56-580 and a request for approval or update of a  
598 rate adjustment clause pursuant to subdivision A 6 of § 56-585.1 to recover the costs of such facilities.  
599 Such plan shall also include the utility's plan to meet the energy storage project targets of subsection E,  
600 including the goal of installing at least 10 percent of such energy storage projects behind the meter. In  
601 determining whether to approve the utility's plan and any associated petition requests, the Commission  
602 shall determine whether they are reasonable and prudent and shall give due consideration to (i) the RPS  
603 and carbon dioxide reduction requirements in this section, (ii) the promotion of new renewable  
604 generation and energy storage resources within the Commonwealth, and associated economic  
605 development, and (iii) fuel savings projected to be achieved by the plan. Notwithstanding any other  
606 provision of this title, the Commission's final order regarding any such petition and associated requests  
607 shall be entered by the Commission not more than six months after the date of the filing of such  
608 petition.

609 5. If, in any year, a Phase I or Phase II Utility is unable to meet the compliance obligation of the  
610 RPS Program requirements or if the cost of RECs necessary to comply with RPS Program requirements  
611 exceeds \$45 per megawatt hour, such supplier shall be obligated to make a deficiency payment equal to  
612 \$45 for each megawatt-hour shortfall for the year of noncompliance, except that the deficiency payment  
613 for any shortfall in procuring RECs for solar, wind, or anaerobic digesters located in the Commonwealth  
614 shall be \$75 per megawatts hour for resources one megawatt and lower. The amount of any deficiency  
615 payment shall increase by one percent annually after 2021. A Phase I or Phase II Utility shall be entitled  
616 to recover the costs of such payments as a cost of compliance with the requirements of this subsection

617 pursuant to subdivision A 5 d of § 56-585.1. All proceeds from the deficiency payments shall be  
618 deposited into an interest-bearing account administered by the Department of Energy. In administering  
619 this account, the Department of Energy shall manage the account as follows: (i) 50 percent of total  
620 revenue shall be directed to job training programs in historically economically disadvantaged  
621 communities; (ii) 16 percent of total revenue shall be directed to energy efficiency measures for public  
622 facilities; (iii) 30 percent of total revenue shall be directed to renewable energy programs located in  
623 historically economically disadvantaged communities; and (iv) four percent of total revenue shall be  
624 directed to administrative costs.

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

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

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

636 2. By December 31, 2035, each Phase II Utility shall petition the Commission for necessary  
637 approvals to construct or acquire 2,700 megawatts of energy storage capacity. Nothing in this  
638 subdivision shall prohibit a Phase II Utility from constructing or acquiring more than 2,700 megawatts  
639 of energy storage, provided that the utility receives approval from the Commission pursuant to  
640 §§ 56-580 and 56-585.1.

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

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

645 5. After July 1, 2020, at least 35 percent of the energy storage facilities placed into service shall be  
646 (i) purchased by the public utility from a party other than the public utility or (ii) owned by a party  
647 other than a public utility, with the capacity from such facilities sold to the public utility. By January 1,  
648 2021, the Commission shall adopt regulations to achieve the deployment of energy storage for the  
649 Commonwealth required in subdivisions 1 and 2, including regulations that set interim targets and  
650 update existing utility planning and procurement rules. The regulations shall include programs and  
651 mechanisms to deploy energy storage, including competitive solicitations, behind-the-meter incentives,  
652 non-wires alternatives programs, and peak demand reduction programs.

653 F. All costs incurred by a Phase I or Phase II Utility related to compliance with the requirements of  
654 this section or pursuant to § 56-585.1:11, including (i) costs of generation facilities powered by sunlight  
655 or onshore or offshore wind, or energy storage facilities, that are constructed or acquired by a Phase I or  
656 Phase II Utility after July 1, 2020, (ii) costs of capacity, energy, or environmental attributes from  
657 generation facilities powered by sunlight or onshore or offshore wind, or falling water, or energy storage  
658 facilities purchased by the utility from persons other than the utility through agreements after July 1,  
659 2020, and (iii) all other costs of compliance, including costs associated with the purchase of RECs  
660 associated with RPS Program requirements pursuant to this section shall be recovered from all retail  
661 customers in the service territory of a Phase I or Phase II Utility as a non-bypassable charge,  
662 irrespective of the generation supplier of such customer, except (a) as provided in subsection G for an  
663 accelerated renewable energy buyer or, (b) *as provided in subsection H for energy-intensive*  
664 *trade-exposed industries, or (c) as provided in subdivision C 3 of § 56-585.1:11, with respect to the*  
665 *costs of an offshore wind generation facility, for a PIPP eligible utility customer or an advanced clean*  
666 *energy buyer or qualifying large general service customer, as those terms are defined in § 56-585.1:11.*  
667 If a Phase I or Phase II Utility serves customers in more than one jurisdiction, such utility shall recover  
668 all of the costs of compliance with the RPS Program requirements from its Virginia customers through  
669 the applicable cost recovery mechanism, and all associated energy, capacity, and environmental attributes  
670 shall be assigned to Virginia to the extent that such costs are requested but not recovered from any  
671 system customers outside the Commonwealth.

672 By September 1, 2020, the Commission shall direct the initiation of a proceeding for each Phase I  
673 and Phase II Utility to review and determine the amount of such costs, net of benefits, that should be  
674 allocated to retail customers within the utility's service territory which have elected to receive electric  
675 supply service from a supplier of electric energy other than the utility, and shall direct that tariff  
676 provisions be implemented to recover those costs from such customers beginning no later than January  
677 1, 2021. Thereafter, such charges and tariff provisions shall be updated and tried up by the utility on an

678 annual basis, subject to continuing review and approval by the Commission.

679 G. 1. An accelerated renewable energy buyer may contract with a Phase I or Phase II Utility, or a  
680 person other than a Phase I or Phase II Utility, to obtain (i) RECs from RPS eligible resources or (ii)  
681 bundled capacity, energy, and RECs from solar or wind generation resources located within the PJM  
682 region and initially placed in commercial operation after January 1, 2015, including any contract with a  
683 utility for such generation resources that does not allocate to or recover from any other customer of the  
684 utility the cost of such resources. Such an accelerated renewable energy buyer may offset all or a  
685 portion of its electric load for purposes of RPS compliance through such arrangements. An accelerated  
686 renewable energy buyer shall be exempt from the assignment of non-bypassable RPS compliance costs  
687 pursuant to subsection F, with the exception of the costs of an offshore wind generating facility pursuant  
688 to § 56-585.1:11, based on the amount of RECs obtained pursuant to this subsection in proportion to the  
689 customer's total electric energy consumption, on an annual basis. An accelerated renewable energy buyer  
690 obtaining RECs only shall not be exempt from costs related to procurement of new solar or onshore  
691 wind generation capacity, energy, or environmental attributes, or energy storage facilities, by the utility  
692 pursuant to subsections D and E, however, an accelerated renewable energy buyer that is a customer of  
693 a Phase II Utility and was subscribed, as of March 1, 2020, to a voluntary companion experimental  
694 tariff offering of the utility for the purchase of renewable attributes from renewable energy facilities that  
695 requires a renewable facilities agreement and the purchase of a minimum of 2,000 renewable attributes  
696 annually, shall be exempt from allocation of the net costs related to procurement of new solar or  
697 onshore wind generation capacity, energy, or environmental attributes, or energy storage facilities, by the  
698 utility pursuant to subsections D and E, based on the amount of RECs associated with the customer's  
699 renewable facilities agreements associated with such tariff offering as of that date in proportion to the  
700 customer's total electric energy consumption, on an annual basis. To the extent that an accelerated  
701 renewable energy buyer contracts for the capacity of new solar or wind generation resources pursuant to  
702 this subsection, the aggregate amount of such nameplate capacity shall be offset from the utility's  
703 procurement requirements pursuant to subsection D. All RECs associated with contracts entered into by  
704 an accelerated renewable energy buyer with the utility, or a person other than the utility, for an RPS  
705 Program shall not be credited to the utility's compliance with its RPS requirements, and the calculation  
706 of the utility's RPS Program requirements shall not include the electric load covered by customers  
707 certified as accelerated renewable energy buyers.

708 2. Each Phase I or Phase II Utility shall certify, and verify as necessary, to the Commission that the  
709 accelerated renewable energy buyer has satisfied the exemption requirements of this subsection for each  
710 year, or an accelerated renewable energy buyer may choose to certify satisfaction of this exemption by  
711 reporting to the Commission individually. The Commission may promulgate such rules and regulations  
712 as may be necessary to implement the provisions of this subsection.

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

718 H. *Notwithstanding the provisions of this section or any other provision of law, the State*  
719 *Corporation Commission shall establish, implement, and manage an energy-intensive trade-exposed*  
720 *customer exemption program for EITE industries from the non-bypassable charges incurred by a Phase*  
721 *I or Phase II Utility related to compliance with the requirements of this section or pursuant to*  
722 *§ 56-585.1:11.*

723 I. No customer of a Phase II Utility with a peak demand in excess of 100 megawatts in 2019 that  
724 elected pursuant to subdivision A 3 of § 56-577 to purchase electric energy from a competitive service  
725 provider prior to April 1, 2019, shall be allocated any non-bypassable charges pursuant to subsection F  
726 for such period that the customer is not purchasing electric energy from the utility, and such customer's  
727 electric load shall not be included in the utility's RPS Program requirements. No customer of a Phase I  
728 Utility that elected pursuant to subdivision A 3 of § 56-577 to purchase electric energy from a  
729 competitive service provider prior to February 1, 2019, shall be allocated any non-bypassable charges  
730 pursuant to subsection F for such period that the customer is not purchasing electric energy from the  
731 utility, and such customer's electric load shall not be included in the utility's RPS Program requirements.

732 J. Nothing in this section shall apply to any entity organized under Chapter 9.1 (§ 56-231.15 et  
733 seq.).

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

737 **2. That the State Corporation Commission shall establish, implement, and manage an**  
738 **energy-intensive trade-exposed (EITE) customer exemption program for EITE industries, as**  
739 **defined in § 56-576 of the Code of Virginia, as amended by this act, from the non-bypassable**

740 charges incurred by a Phase I or Phase II Utility related to compliance with the requirements of  
741 § 56-585.1:11 or 56-585.5 of the Code of Virginia, as amended by this act, as a pilot program  
742 designated as the EITE Pilot Program. The State Corporation Commission may consider the  
743 American Clean Energy and Security Act of 2009 and other relevant programs as guidance in  
744 establishing the parameters for the EITE Pilot Program.

745 3. That the EITE Pilot Program created by the second enactment of this act shall commence no  
746 later than January 1, 2023, and the initial aggregate customer load pursuant to such Pilot  
747 Program shall not exceed 2,000 megawatts based on each customer's load during the calendar year  
748 preceding the date at which the customer is accepted into the EITE Pilot Program.

749 4. That on or before March 31, 2024, and annually thereafter, the State Corporation Commission  
750 shall submit a report and make recommendations to the Governor and to the Chairmen of the  
751 House Committee on Commerce and Energy and the Senate Committee on Commerce and Labor,  
752 or to the Chairmen of any successor committees, regarding the status of the EITE Pilot Program,  
753 updates on the extent to which the initial aggregate customer load cap has been met, and whether  
754 there exists a need to increase the initial aggregate customer load cap in order to meet the  
755 objectives of the EITE Pilot Program.

756 5. That any customer served by a competitive service provider pursuant to § 56-577 of the Code of  
757 Virginia shall not be eligible to participate in the EITE Pilot Program, as created by the second  
758 enactment of this act. However, the parameters of the EITE Pilot Program shall provide that the  
759 State Corporation Commission may waive any advance notice requirements for any such customer  
760 to return to full requirements service by a Phase I or Phase II Utility, and upon such return, the  
761 customer shall be eligible to participate in the EITE Pilot Program.