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SENATE BILL NO. 684

Offered January 20, 2022

A BILL to amend and reenact §§ 58.1-609.3 and 58.1-3660 of the Code of Virginia, relating to certified pollution control equipment; certification by subdivisions.

Patron—Mason

Referred to Committee on Agriculture, Conservation and Natural Resources

Be it enacted by the General Assembly of Virginia:

1. That §§ 58.1-609.3 and 58.1-3660 of the Code of Virginia are amended and reenacted as follows:
§ 58.1-609.3. Commercial and industrial exemptions.

The tax imposed by this chapter or pursuant to the authority granted in §§ 58.1-605 and 58.1-606 shall not apply to the following:

1. Personal property purchased by a contractor which is used solely in another state or in a foreign country, which could be purchased by such contractor for such use free from sales tax in such other state or foreign country, and which is stored temporarily in Virginia pending shipment to such state or country.

2. (i) Industrial materials for future processing, manufacturing, refining, or conversion into articles of tangible personal property for resale where such industrial materials either enter into the production of or become a component part of the finished product; (ii) industrial materials that are coated upon or impregnated into the product at any stage of its being processed, manufactured, refined, or converted for resale; (iii) machinery or tools or repair parts therefor or replacements thereof, fuel, power, energy, or supplies, used directly in processing, manufacturing, refining, mining or converting products for sale or resale; (iv) materials, containers, labels, sacks, cans, boxes, drums or bags for future use for packaging tangible personal property for shipment or sale; or (v) equipment, printing or supplies used directly to produce a publication described in subdivision 3 of § 58.1-609.6 whether it is ultimately sold at retail or for resale or distribution at no cost. Machinery, tools and equipment, or repair parts therefor or replacements thereof, shall be exempt if the preponderance of their use is directly in processing, manufacturing, refining, mining or converting products for sale or resale. The provisions of this subsection do not apply to the drilling or extraction of oil, gas, natural gas and coalbed methane gas. In addition, the exemption provided herein shall not be applicable to any machinery, tools, and equipment, or any other tangible personal property used by a public service corporation in the generation of electric power, except for raw materials that are inputs to production of electricity, including fuel, or for machinery, tools, and equipment used to generate energy derived from sunlight or wind. The exemption for machinery, tools, and equipment used to generate energy derived from sunlight or wind shall expire June 30, 2027.

3. Tangible personal property sold or leased to a public service corporation engaged in business as a common carrier of property or passengers by railway, for use or consumption by such common carrier directly in the rendition of its public service.

4. Ships or vessels, or repairs and alterations thereof, used or to be used exclusively or principally in interstate or foreign commerce; fuel and supplies for use or consumption aboard ships or vessels plying the high seas, either in intercoastal trade between ports in the Commonwealth and ports in other states of the United States or its territories or possessions, or in foreign commerce between ports in the Commonwealth and ports in foreign countries, when delivered directly to such ships or vessels; or tangible personal property used directly in the building, conversion or repair of the ships or vessels covered by this subdivision. This exemption shall include dredges, their supporting equipment, attendant vessels, and fuel and supplies for use or consumption aboard such vessels, provided the dredges are used exclusively or principally in interstate or foreign commerce.

5. Tangible personal property purchased for use or consumption directly and exclusively in basic research or research and development in the experimental or laboratory sense.

6. Notwithstanding the provisions of subdivision 20 of § 58.1-609.10, all tangible personal property sold or leased to an airline operating in intrastate, interstate or foreign commerce as a common carrier providing scheduled air service on a continuing basis to one or more Virginia airports at least one day per week, for use or consumption by such airline directly in the rendition of its common carrier service.

7. Meals furnished by restaurants or food service operators to employees as a part of wages.

8. Tangible personal property including machinery and tools, repair parts or replacements thereof, and supplies and materials used directly in maintaining and preparing textile products for rental or leasing by an industrial processor engaged in the commercial leasing or renting of laundered textile

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59 products.

60 9. Certified pollution control equipment and facilities as defined in § 58.1-3660, except for any
61 equipment that has not been certified to the Department of Taxation by a state certifying authority *or*
62 *subdivision certifying authority* pursuant to such section.

63 10. Parts, tires, meters and dispatch radios sold or leased to taxicab operators for use or consumption
64 directly in the rendition of their services.

65 11. High speed electrostatic duplicators or any other duplicators which have a printing capacity of
66 4,000 impressions or more per hour purchased or leased by persons engaged primarily in the printing or
67 photocopying of products for sale or resale.

68 12. From July 1, 1994, and ending July 1, 2022, raw materials, fuel, power, energy, supplies,
69 machinery or tools or repair parts therefor or replacements thereof, used directly in the drilling,
70 extraction, or processing of natural gas or oil and the reclamation of the well area. For the purposes of
71 this section, the term "natural gas" shall mean "gas," "natural gas," and "coalbed methane gas" as
72 defined in § 45.2-1600. For the purposes of this section, "drilling," "extraction," and "processing" shall
73 include production, inspection, testing, dewatering, dehydration, or distillation of raw natural gas into a
74 usable condition consistent with commercial practices, and the gathering and transportation of raw
75 natural gas to a facility wherein the gas is converted into such a usable condition. Machinery, tools and
76 equipment, or repair parts therefor or replacements thereof, shall be exempt if the preponderance of their
77 use is directly in the drilling, extraction, refining, or processing of natural gas or oil for sale or resale, or
78 in well area reclamation activities required by state or federal law.

79 13. Beginning July 1, 1997, (i) the sale, lease, use, storage, consumption, or distribution of an orbital
80 or suborbital space facility, space propulsion system, space vehicle, satellite, or space station of any kind
81 possessing space flight capability, including the components thereof, irrespective of whether such
82 facility, system, vehicle, satellite, or station is returned to this Commonwealth for subsequent use,
83 storage or consumption in any manner when used to conduct spaceport activities; (ii) the sale, lease, use,
84 storage, consumption or distribution of tangible personal property placed on or used aboard any orbital
85 or suborbital space facility, space propulsion system, space vehicle, satellite or space station of any kind,
86 irrespective of whether such tangible personal property is returned to this Commonwealth for subsequent
87 use, storage or consumption in any manner when used to conduct spaceport activities; (iii) fuels of such
88 quality not adapted for use in ordinary vehicles, being produced for, sold and exclusively used for space
89 flight when used to conduct spaceport activities; (iv) the sale, lease, use, storage, consumption or
90 distribution of machinery and equipment purchased, sold, leased, rented or used exclusively for
91 spaceport activities and the sale of goods and services provided to operate and maintain launch facilities,
92 launch equipment, payload processing facilities and payload processing equipment used to conduct
93 spaceport activities.

94 For purposes of this subdivision, "spaceport activities" means activities directed or sponsored at a
95 facility owned, leased, or operated by or on behalf of the Virginia Commercial Space Flight Authority.

96 The exemptions provided by this subdivision shall not be denied by reason of a failure,
97 postponement or cancellation of a launch of any orbital or suborbital space facility, space propulsion
98 system, space vehicle, satellite or space station of any kind or the destruction of any launch vehicle or
99 any components thereof.

100 14. Semiconductor cleanrooms or equipment, fuel, power, energy, supplies, or other tangible personal
101 property used primarily in the integrated process of designing, developing, manufacturing, or testing a
102 semiconductor product, a semiconductor manufacturing process or subprocess, or semiconductor
103 equipment without regard to whether the property is actually contained in or used in a cleanroom
104 environment, touches the product, is used before or after production, or is affixed to or incorporated into
105 real estate.

106 15. Semiconductor wafers for use or consumption by a semiconductor manufacturer.

107 16. Railroad rolling stock when sold or leased by the manufacturer thereof.

108 17. Computer equipment purchased or leased on or before June 30, 2011, used in data centers
109 located in a Virginia locality having an unemployment rate above 4.9 percent for the calendar quarter
110 ending November 2007, for the processing, storage, retrieval, or communication of data, including but
111 not limited to servers, routers, connections, and other enabling hardware when part of a new investment
112 of at least \$75 million in such exempt property, when such investment results in the creation of at least
113 100 new jobs paying at least twice the prevailing average wage in that locality, so long as such
114 investment was made in accordance with a memorandum of understanding with the Virginia Economic
115 Development Partnership Authority entered into or amended between January 1, 2008, and December
116 31, 2008. The exemption shall also apply to any such computer equipment purchased or leased to
117 upgrade, add to, or replace computer equipment purchased or leased in the initial investment. The
118 exemption shall not apply to any computer software sold separately from the computer equipment, nor
119 shall it apply to general building improvements or fixtures.

120 18. a. Beginning July 1, 2010, and ending June 30, 2035, computer equipment or enabling software

121 purchased or leased for the processing, storage, retrieval, or communication of data, including but not
122 limited to servers, routers, connections, and other enabling hardware, including chillers and backup
123 generators used or to be used in the operation of the equipment exempted in this paragraph, provided
124 that such computer equipment or enabling software is purchased or leased for use in a data center,
125 which includes any data center facilities located in the same locality as the data center that are under
126 common ownership or affiliation of the data center operator, that (i) is located in a Virginia locality; (ii)
127 results in a new capital investment on or after January 1, 2009, of at least \$150 million; and (iii) results
128 in the creation on or after July 1, 2009, of at least 50 new jobs by the data center operator and the
129 tenants of the data center, collectively, associated with the operation or maintenance of the data center
130 provided that such jobs pay at least one and one-half times the prevailing average wage in that locality.
131 The requirement of at least 50 new jobs is reduced to 10 new jobs if the data center is located in a
132 distressed locality at the time of the execution of a memorandum of understanding with the Virginia
133 Economic Development Partnership Authority. Additionally, the requirement of a \$150 million capital
134 investment shall be reduced to \$70 million for data centers that qualify for the reduced jobs requirement.

135 This exemption applies to the data center operator and the tenants of the data center if they
136 collectively meet the requirements listed in this section. Prior to claiming such exemption, any
137 qualifying person claiming the exemption, including a data center operator on behalf of itself and its
138 tenants, must enter into a memorandum of understanding with the Virginia Economic Development
139 Partnership Authority that at a minimum provides the details for determining the amount of capital
140 investment made and the number of new jobs created, the timeline for achieving the capital investment
141 and new job goals, the repayment obligations should those goals not be achieved, and any conditions
142 under which repayment by the qualifying data center or data center tenant claiming the exemption may
143 be required. In addition, the exemption shall apply to any such computer equipment or enabling software
144 purchased or leased to upgrade, supplement, or replace computer equipment or enabling software
145 purchased or leased in the initial investment. The exemption shall not apply to any other computer
146 software otherwise taxable under Chapter 6 of Title 58.1 that is sold or leased separately from the
147 computer equipment, nor shall it apply to general building improvements or other fixtures.

148 b. For purposes of this subdivision 18, "distressed locality" means:

149 1. From July 1, 2021, until July 1, 2023, any locality that had (i) an annual unemployment rate for
150 calendar year 2019 that was greater than the final statewide average unemployment rate for that calendar
151 year and (ii) a poverty rate for calendar year 2019 that exceeded the statewide average poverty rate for
152 that year; and

153 2. From and after July 1, 2023, any locality that has (i) an annual unemployment rate for the most
154 recent calendar year for which such data is available that is greater than the final statewide average
155 unemployment rate for that calendar year and (ii) a poverty rate for the most recent calendar year for
156 which such data is available that exceeds the statewide average poverty rate for that year.

157 c. For so long as a data center operator is claiming an exemption pursuant to this subdivision 18,
158 such operator shall be required to submit an annual report to the Virginia Economic Development
159 Partnership Authority on behalf of itself and, if applicable, its participating tenants that includes their
160 employment levels, capital investments, average annual wages, qualifying expenses, and tax benefit, and
161 such other information as the Virginia Economic Development Partnership Authority determines is
162 relevant, pursuant to procedures developed by the Virginia Economic Development Partnership
163 Authority. The annual report shall be submitted by the data center operator in a format prescribed by the
164 Virginia Economic Development Partnership Authority. The Virginia Economic Development Partnership
165 Authority shall share all information collected with the Department.

166 The Department, in collaboration with the Virginia Economic Development Partnership Authority,
167 shall publish a biennial report on the exemption that shall include aggregate information on qualifying
168 expenses claimed under this exemption, the total value of the tax benefit, a return on investment analysis
169 that includes direct and indirect jobs created by data center investment, state and local tax revenues
170 generated, and any other information the Department and the Virginia Economic Development
171 Partnership Authority deem appropriate to demonstrate the costs and benefits of the exemption. The
172 report shall not include, and the Department and the Virginia Economic Development Partnership
173 Authority shall not publish or disclose, any such information if it is unaggregated or if such report or
174 publication could be used to identify a business or individual. The Department shall submit the report to
175 the Chairmen of the Senate Committee on Finance and Appropriations and the House Committees on
176 Appropriations and Finance. The Virginia Economic Development Partnership Authority may publish on
177 its website and distribute annual information indicating the job creation and ranges of capital
178 investments made by a data center operator and, if applicable, its participating tenants, in a format to be
179 developed in consultation with data center operators.

180 19. (Effective until January 1, 2022) If the preponderance of their use is in the manufacture of beer
181 by a brewer licensed pursuant to subdivision 1 or 2 of § 4.1-208, (i) machinery, tools, and equipment, or

182 repair parts therefor or replacements thereof, fuel, power, energy, or supplies; (ii) materials for future
183 processing, manufacturing, or conversion into beer where such materials either enter into the production
184 of or become a component part of the beer; and (iii) materials, including containers, labels, sacks, cans,
185 bottles, kegs, boxes, drums, or bags for future use, for packaging the beer for shipment or sale.

186 19. (Effective January 1, 2022) If the preponderance of their use is in the manufacture of beer by a
187 brewer licensed pursuant to subdivision 3 or 4 of § 4.1-206.1, (i) machinery, tools, and equipment, or
188 repair parts therefor or replacements thereof, fuel, power, energy, or supplies; (ii) materials for future
189 processing, manufacturing, or conversion into beer where such materials either enter into the production
190 of or become a component part of the beer; and (iii) materials, including containers, labels, sacks, cans,
191 bottles, kegs, boxes, drums, or bags for future use, for packaging the beer for shipment or sale.

192 20. If the preponderance of their use is in advanced recycling, as defined in § 58.1-439.7, (i)
193 machinery, tools, and equipment, or repair parts therefor or replacements thereof, fuel, power, energy, or
194 supplies; (ii) materials for processing, manufacturing, or conversion for resale where such materials
195 either are recycled or recovered; and (iii) materials, including containers, labels, sacks, cans, boxes,
196 drums, or bags used for packaging recycled or recovered material for shipment or resale.

197 **§ 58.1-3660. Certified pollution control equipment and facilities.**

198 A. Certified pollution control equipment and facilities, as defined herein, are hereby declared to be a
199 separate class of property and shall constitute a classification for local taxation separate from other such
200 classification of real or personal property and such property. Certified pollution control equipment and
201 facilities shall be exempt from state and local taxation pursuant to Article X, Section 6 (d) of the
202 Constitution of Virginia.

203 B. As used in this section:

204 "Certified pollution control equipment and facilities" means any property, including real or personal
205 property, equipment, facilities, or devices, used primarily for the purpose of abating or preventing
206 pollution of the atmosphere or waters of the Commonwealth and which the state certifying authority *or*
207 *subdivision certifying authority* having jurisdiction with respect to such property has certified to the
208 Department of Taxation as having been constructed, reconstructed, erected, or acquired in conformity
209 with the state program or requirements for abatement or control of water or atmospheric pollution or
210 contamination, except that in the case of equipment, facilities, devices, or other property intended for use
211 by any political subdivision in conjunction with the operation of its water, wastewater, stormwater, or
212 solid waste management facilities or systems, including property that may be financed pursuant to
213 Chapter 22 (§ 62.1-224 et seq.) of Title 62.1, the state certifying authority *or subdivision certifying*
214 *authority* having jurisdiction with respect to such property shall, upon the request of the political
215 subdivision, make such certification prospectively for property to be constructed, reconstructed, erected,
216 or acquired for such purposes. Such property shall include, but is not limited to, any equipment used to
217 grind, chip, or mulch trees, tree stumps, underbrush, and other vegetative cover for reuse as mulch,
218 compost, landfill gas, synthetic or natural gas recovered from waste or other fuel, and equipment used in
219 collecting, processing, and distributing, or generating electricity from, landfill gas or synthetic or natural
220 gas recovered from waste, whether or not such property has been certified to the Department of
221 Taxation by a state certifying authority *or subdivision certifying authority*. Such property shall include
222 solar energy equipment, facilities, or devices owned or operated by a business that collect, generate,
223 transfer, or store thermal or electric energy whether or not such property has been certified to the
224 Department of Taxation by a state certifying authority *or subdivision certifying authority*. Such property
225 shall also include energy storage systems, whether or not such property has been certified to the
226 Department of Taxation by a state certifying authority *or subdivision certifying authority*. All such
227 property as described in this definition shall not include the land on which such equipment or facilities
228 are located.

229 "Energy storage system" means equipment, facilities, or devices that are capable of absorbing energy,
230 storing it for a period of time, and redelivering that energy after it has been stored.

231 "State certifying authority" means the State Water Control Board or the Virginia Department of
232 Health, for water pollution; the State Air Pollution Control Board, for air pollution; the Department of
233 Energy, for solar energy projects, energy storage systems, and for coal, oil, and gas production,
234 including gas, natural gas, and coalbed methane gas; and the Virginia Waste Management Board, for
235 waste disposal facilities, natural gas recovered from waste facilities, and landfill gas production facilities,
236 and shall include any interstate agency authorized to act in place of a certifying authority of the
237 Commonwealth.

238 "*Subdivision certifying authority*" means the body of a political subdivision responsible for
239 administering the political subdivision's water, wastewater, stormwater, or solid waste management
240 facilities or systems. A subdivision certifying authority may only certify property pursuant to this section
241 if the property being certified is equipment, facilities, devices, or other property intended for use by the
242 political subdivision in conjunction with the operation of its water, wastewater, stormwater, or solid
243 waste management facilities or systems. If property is certified by a subdivision certifying authority, it

shall not be required to be certified by a state certifying authority.

C. For solar photovoltaic (electric energy) systems, this exemption applies only to (i) projects equaling 20 megawatts or less, as measured in alternating current (AC) generation capacity, for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization on or before December 31, 2018; (ii) projects equaling 20 megawatts or less, as measured in alternating current (AC) generation capacity, that serve any of the public institutions of higher education listed in § 23.1-100 or any private college as defined in § 23.1-105; (iii) 80 percent of the assessed value of projects for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization (a) between January 1, 2015, and June 30, 2018, for projects greater than 20 megawatts or (b) on or after July 1, 2018, for projects greater than 20 megawatts and less than 150 megawatts, as measured in alternating current (AC) generation capacity, and that are first in service on or after January 1, 2017; (iv) projects equaling five megawatts or less, as measured in alternating current (AC) generation capacity, for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization on or after January 1, 2019; and (v) 80 percent of the assessed value of all other projects equaling more than five megawatts and less than 150 megawatts, as measured in alternating current (AC) generation capacity for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization on or after January 1, 2019.

D. The exemption for solar photovoltaic (electric energy) projects greater than five megawatts, as measured in alternating current (AC) generation capacity, shall not apply to any such project unless an application has been filed with the locality for the project before July 1, 2030, regardless of whether a locality assesses a revenue share on such project pursuant to the provisions of § 58.1-2636. If a locality adopts an energy revenue share ordinance under § 58.1-2636, the exemption for solar photovoltaic (electric energy) projects greater than five megawatts, as measured in alternating current (AC) generation capacity, shall be 100 percent of the assessed value. If a locality does not adopt an energy revenue share ordinance under § 58.1-2636, the exemption for solar photovoltaic (electric energy) projects greater than five megawatts, as measured in alternating current (AC) generation capacity, for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization, shall be 80 percent of the assessed value when an application has been filed with the locality prior to July 1, 2030. For purposes of this subsection, "application has been filed with the locality" means an applicant has filed an application for a zoning confirmation from the locality for a by-right use or an application for land use approval under the locality's zoning ordinance to include an application for a conditional use permit, special use permit, special exception, or other application as set out in the locality's zoning ordinance.

E. For pollution control equipment and facilities certified by the Virginia Department of Health, this exemption applies only to onsite sewage systems that serve 10 or more households, use nitrogen-reducing processes and technology, and are constructed, wholly or partially, with public funds.

F. Notwithstanding any provision to the contrary, for any solar photovoltaic project described in clauses (iii) and (v) of subsection C for which an initial interconnection request form has been filed with an electric utility or a regional transmission organization on or after January 1, 2019, the amount of the exemption shall be as follows: 80 percent of the assessed value in the first five years in service after commencement of commercial operation, 70 percent of the assessed value in the second five years in service, and 60 percent of the assessed value for all remaining years in service.

G. Notwithstanding any provision to the contrary, the exemption for energy storage systems provided under this section (i) shall apply only to projects greater than five megawatts and less than 150 megawatts, as measured in alternating current (AC) storage capacity, and (ii) shall be in the following amounts: 80 percent of the assessed value in the first five years of service after commencement of commercial operation, 70 percent of the assessed value in the second five years in service, and 60 percent of the assessed value for all remaining years in service.

H. The exemption for energy storage systems greater than five megawatts, as measured in alternating current (AC) storage capacity, shall not apply to any such project unless an application has been filed with the locality for the project before July 1, 2030, regardless of whether a locality assesses a revenue share on such project pursuant to the provisions of § 58.1-2636. If a locality adopts an energy revenue share ordinance under § 58.1-2636, the exemption for energy storage systems greater than five megawatts, as measured in alternating current (AC) storage capacity, shall be 100 percent of the assessed value. If a locality does not adopt an energy revenue share ordinance under § 58.1-2636, the exemption for energy storage systems greater than five megawatts, as measured in alternating current (AC) storage capacity, shall be as set out in subsection G when an application has been filed with the locality prior to July 1, 2030. For the purposes of this subsection, "application has been filed with the locality" means an applicant has filed an application for a zoning confirmation from the locality for a by-right use or an application for land use approval under the locality's zoning ordinance to include an

305 application for a conditional use permit, special use permit, special exception, or other application as set
306 out in the locality's zoning ordinance.