



General Assembly

February Session, 2024

***Raised Bill No. 5356***

LCO No. 734



Referred to Committee on ENERGY AND TECHNOLOGY

Introduced by:

(ET)

***AN ACT CONCERNING MODIFICATIONS TO THE RENEWABLE PORTFOLIO STANDARD.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Subdivision (20) of subsection (a) of section 16-1 of the 2024  
2 supplement to the general statutes is repealed and the following is  
3 substituted in lieu thereof (*Effective October 1, 2024*):

4 (20) "Class I renewable energy source" means (A) electricity derived  
5 from (i) solar power, (ii) wind power, (iii) a fuel cell, including a fuel cell  
6 power plant, as defined in 26 USC 48(c)(1), (iv) geothermal, (v) landfill  
7 methane gas, anaerobic digestion or other biogas derived from  
8 biological sources, (vi) thermal electric direct energy conversion from a  
9 certified Class I renewable energy source, (vii) ocean thermal power,  
10 (viii) wave or tidal power, (ix) low emission advanced renewable energy  
11 conversion technologies, including, but not limited to, zero emission  
12 low grade heat power generation systems based on organic oil free  
13 rankine, kalina or other similar nonsteam cycles that use waste heat  
14 from an industrial or commercial process that does not generate  
15 electricity, (x) (I) a run-of-the-river hydropower facility that began

16 operation after July 1, 2003, has a generating capacity of not more than  
17 sixty megawatts, is not based on a new dam or a dam identified by the  
18 Commissioner of Energy and Environmental Protection as a candidate  
19 for removal, and meets applicable state and federal requirements,  
20 including state dam safety requirements and applicable site-specific  
21 standards for water quality and fish passage, or (II) a run-of-the-river  
22 hydropower facility that received a new license after January 1, 2018,  
23 under the Federal Energy Regulatory Commission rules pursuant to 18  
24 CFR 16, as amended from time to time, is not based on a new dam or a  
25 dam identified by the Commissioner of Energy and Environmental  
26 Protection as a candidate for removal, and meets applicable state and  
27 federal requirements, including state dam safety requirements and  
28 applicable site-specific standards for water quality and fish passage, (xi)  
29 a biomass facility that uses sustainable biomass fuel and has an average  
30 emission rate of equal to or less than .075 pounds of nitrogen oxides per  
31 million BTU of heat input for the previous calendar quarter, except that  
32 energy derived from a biomass facility with a capacity of less than five  
33 hundred kilowatts that began construction before July 1, 2003, may be  
34 considered a Class I renewable energy source, or (xii) a nuclear power  
35 generating facility constructed on or after October 1, 2023, or (B) any  
36 electrical generation, including distributed generation, generated from  
37 a Class I renewable energy source, provided, on and after January 1,  
38 2014, any megawatt hours of electricity from a renewable energy source  
39 described under this subparagraph that are claimed or counted by a  
40 load-serving entity, province or state toward compliance with  
41 renewable portfolio standards or renewable energy policy goals in  
42 another province or state, other than the state of Connecticut, shall not  
43 be eligible for compliance with the renewable portfolio standards  
44 established pursuant to section 16-245a;

45 Sec. 2. Subsection (a) of section 16-243q of the general statutes is  
46 repealed and the following is substituted in lieu thereof (*Effective October*  
47 *1, 2024*):

48 (a) On and after January 1, 2007, each electric distribution company  
49 providing standard service pursuant to section 16-244c and each electric

50 supplier, as defined in section 16-1, as amended by this act, shall  
51 demonstrate to the satisfaction of the Public Utilities Regulatory  
52 Authority that not less than one per cent of the total output of such  
53 supplier or such standard service of an electric distribution company  
54 shall be obtained from Class III sources. On and after January 1, 2008,  
55 not less than two per cent of the total output of any such supplier or  
56 such standard service of an electric distribution company shall, on  
57 demonstration satisfactory to the Public Utilities Regulatory Authority,  
58 be obtained from Class III sources. On or after January 1, 2009, not less  
59 than three per cent of the total output of any such supplier or such  
60 standard service of an electric distribution company shall, on  
61 demonstration satisfactory to the Public Utilities Regulatory Authority,  
62 be obtained from Class III sources. On and after January 1, 2010, not less  
63 than four per cent of the total output of any such supplier or such  
64 standard service of an electric distribution company shall, on  
65 demonstration satisfactory to the Public Utilities Regulatory Authority,  
66 be obtained from Class III sources. On and after January 1, 2022, [until  
67 December 31, 2024,] not less than five per cent of the total output of any  
68 such supplier or such standard service of an electric distribution  
69 company shall, on demonstration satisfactory to the Public Utilities  
70 Regulatory Authority, be obtained from Class III sources. Electric power  
71 obtained from customer-side distributed resources that does not meet  
72 air and water quality standards of the Department of Energy and  
73 Environmental Protection is not eligible for purposes of meeting the  
74 percentage standards in this section.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>October 1, 2024</i>	16-1(a)(20)
Sec. 2	<i>October 1, 2024</i>	16-243q(a)

**Statement of Purpose:**

To (1) redefine "Class I renewable energy source" to include certain linear generators, and (2) indefinitely extend the current renewable energy portfolio standard for Class III sources.

*[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]*