



General Assembly

January Session, 2007

Raised Bill No. 7309

LCO No. 5071

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Referred to Committee on Energy and Technology

Introduced by:
(ET)

AN ACT CONCERNING PAY AS YOU SAVE AND ENERGY EFFICIENCY RECOMMENDATIONS.

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

1 Section 1. (NEW) (*Effective July 1, 2007*) (a) On or before October 1,
2 2007, the Department of Public Utility Control, in consultation with the
3 electric distribution companies, shall establish a solar water heating
4 pay-as-you-save pilot program. Said program shall (1) allow
5 residential electric utility customers to purchase a solar water heating
6 system with no upfront payments and to pay for the system over time
7 through said customer's electricity bill, provided the estimated life
8 cycle electricity savings from the solar water heating systems exceeds
9 the cost of the system, as determined by the department; (2) provide
10 for billing and payment of the solar water heating systems on the
11 electric customer's electricity bill; (3) provide for disconnection of
12 utility service for nonpayment of the solar water heating systems pay-
13 as-you-save payments; and (4) allow for the assignment of system
14 repayment costs to subsequent owners or tenants.

15 (b) The electric distribution companies shall bear the upfront costs
16 of purchasing solar water heating systems pursuant to subsection (a)

17 of this section. All reasonable costs incurred by electric distribution
18 companies with regard to the program established in subsection (a) of
19 this section shall be recoverable through rates pursuant to sections 16-
20 19 and 16-19e of the general statutes.

21 (c) The Commissioner of Public Utility Control shall adopt
22 regulations, in accordance with the provisions of chapter 54 of the
23 general statutes, to implement the pilot program established pursuant
24 to subsection (a) of this section.

25 Sec. 2. Subsection (c) of section 16-245n of the general statutes is
26 repealed and the following is substituted in lieu thereof (*Effective from*
27 *passage*):

28 (c) There is hereby created a Renewable Energy Investment Fund
29 which shall be administered by Connecticut Innovations, Incorporated.
30 The fund may receive any amount required by law to be deposited
31 into the fund and may receive any federal funds as may become
32 available to the state for renewable energy investments. Connecticut
33 Innovations, Incorporated, may use any amount in said fund for
34 expenditures which promote investment in renewable energy sources
35 in accordance with a comprehensive plan developed by it to foster the
36 growth, development and commercialization of renewable energy
37 sources, related enterprises and stimulate demand for renewable
38 energy and deployment of renewable energy sources which serve end
39 use customers in this state and for the further purpose of supporting
40 operational demonstration projects for advanced technologies that
41 reduce energy utilization from traditional sources. Such expenditures
42 may include, but not be limited to, grants, direct or equity investments,
43 contracts or other actions which support research, development,
44 manufacture, commercialization, deployment and installation of
45 renewable energy technologies, and actions which expand the
46 expertise of individuals, businesses and lending institutions with
47 regard to renewable energy technologies.

48 Sec. 3. (NEW) (*Effective July 1, 2007*) The Energy Conservation

49 Management Board, established pursuant to section 16-245m of the
50 general statutes, in consultation with the Department of Education,
51 shall conduct a study to determine the feasibility of providing compact
52 fluorescent light bulbs at low or no cost to schools in the state for the
53 purpose of a state-wide school fundraiser. The board shall report the
54 findings of said study to the joint standing committees of the General
55 Assembly having cognizance of matters relating to energy and
56 education on or before February 1, 2008.

57 Sec. 4. (*Effective July 1, 2007*) On or before September 1, 2007, the
58 Energy Conservation Management Board, established pursuant to
59 section 16-245m of the general statutes, shall contract with an
60 independent, third party to conduct an assessment of Connecticut's
61 conservation and energy efficiency potential. Such study shall be
62 considered an update to the similar study conducted by a third party
63 in 2004. Not later than six months after the commencement of the
64 study pursuant to this section, the board shall present the results of
65 such study to the joint standing committee of the General Assembly
66 having cognizance of matters relating to energy.

67 Sec. 5. (NEW) (*Effective July 1, 2007*) The Department of Public
68 Utility Control shall develop recommendations for implementation of
69 a daily energy report program, which shall commence in the summer
70 of 2008 and continue annually thereafter. Said program shall include,
71 but not be limited to, (1) making such reports available through
72 various media sources throughout the summer months each year, (2)
73 producing such reports in a consumer-friendly fashion, and (3)
74 developing a plan to promote and inform the public regarding such
75 reports. The department shall report such recommendations to the
76 joint standing committee of the General Assembly having cognizance
77 of matters relating to energy not later than May 1, 2008.

78 Sec. 6. (NEW) (*Effective July 1, 2007*) (a) The Energy Conservation
79 Management Board, established pursuant to section 16-245m of the
80 general statutes, shall establish a plan to (1) reach zero per cent load

81 growth by the year 2012, and (2) reduce the state's per capita load
82 consumption to that of the lower of California or New York by the year
83 2020.

84 (b) On or before January 1, 2008, and annually thereafter, the board
85 shall report on the progress of achieving, meeting or exceeding the
86 goals set forth in the plan established pursuant to subsection (a) of this
87 section to the Clean Energy Advisory Board, established pursuant to
88 section 16a-3 of the general statutes, for comparison with and possible
89 inclusion in any plan for the procurement of energy resources
90 submitted to such Clean Energy Advisory Board by the electric
91 distribution companies.

92 *Sec. 7. (Effective July 1, 2007)* The Clean Energy Advisory Board,
93 established pursuant to section 16a-3 of the general statutes, shall
94 study and recommend functions and mechanisms the state could use
95 to promote energy efficiency and planning. The board shall report its
96 findings and recommendations pursuant to this section to the joint
97 standing committee of the General Assembly having cognizance of
98 matters relating to energy on or before February 1, 2008.

99 *Sec. 8.* Subsection (a) of section 16-243q of the general statutes is
100 repealed and the following is substituted in lieu thereof (*Effective July*
101 *1, 2007*):

102 (a) On and after January 1, 2007, each electric distribution company
103 providing standard service pursuant to section 16-244c and each
104 electric supplier as defined in section 16-1 shall demonstrate to the
105 satisfaction of the Department of Public Utility Control that not less
106 than one per cent of the total output of such supplier or such standard
107 service of an electric distribution company shall be obtained from
108 Class III resources. On and after January 1, 2008, not less than two per
109 cent of the total output of any such supplier or such standard service of
110 an electric distribution company shall, on demonstration satisfactory to
111 the Department of Public Utility Control, be obtained from Class III
112 resources. On or after January 1, 2009, not less than three per cent of

113 the total output of any such supplier or such standard service of an
114 electric distribution company shall, on demonstration satisfactory to
115 the Department of Public Utility Control, be obtained from Class III
116 resources. On and after January 1, 2010, not less than four per cent of
117 the total output of any such supplier or such standard service of an
118 electric distribution company shall, on demonstration satisfactory to
119 the Department of Public Utility Control, be obtained from Class III
120 resources. On and after January 1, 2011, not less than five per cent of
121 the total output of any such supplier or such standard service of an
122 electric distribution company shall, on demonstration satisfactory to
123 the Department of Public Utility Control, be obtained from Class III
124 resources. On and after January 1, 2012, not less than six per cent of the
125 total output of any such supplier or such standard service of an electric
126 distribution company shall, on demonstration satisfactory to the
127 Department of Public Utility Control, be obtained from Class III
128 resources. Electric power obtained from customer-side distributed
129 resources that does not meet air quality standards of the Department
130 of Environmental Protection is not eligible for purposes of meeting the
131 percentage standards in this section.

132 Sec. 9. Subsection (a) of section 16-245a of the general statutes is
133 repealed and the following is substituted in lieu thereof (*Effective July*
134 *1, 2007*):

135 (a) On and after January 1, 2006, an electric supplier and an electric
136 distribution company providing standard service or supplier of last
137 resort service, pursuant to section 16-244c, shall demonstrate that not
138 less than two per cent of the total output or services of any such
139 supplier or distribution company shall be generated from Class I
140 renewable energy sources and an additional three per cent of the total
141 output or services shall be from Class I or Class II renewable energy
142 sources. On and after January 1, 2007, not less than three and one-half
143 per cent of the total output or services of any such supplier or
144 distribution company shall be generated from Class I renewable
145 energy sources and an additional three per cent of the total output or

146 services shall be from Class I or Class II renewable energy sources. On
 147 and after January 1, 2008, not less than five per cent of the total output
 148 or services of any such supplier or distribution company shall be
 149 generated from Class I renewable energy sources and an additional
 150 three per cent of the total output or services shall be from Class I or
 151 Class II renewable energy sources. On and after January 1, 2009, not
 152 less than six per cent of the total output or services of any such
 153 supplier or distribution company shall be generated from Class I
 154 renewable energy sources and an additional three per cent of the total
 155 output or services shall be from Class I or Class II renewable energy
 156 sources. On and after January 1, 2010, not less than seven per cent of
 157 the total output or services of any such supplier or distribution
 158 company shall be generated from Class I renewable energy sources
 159 and an additional [three] four per cent of the total output or services
 160 shall be from Class I or Class II renewable energy sources.

161 Sec. 10. (NEW) (*Effective July 1, 2007*) The Department of Utility
 162 Control shall study the renewable energy with regard to resource
 163 recovery standards to (1) determine how to tie efficiency standards to
 164 incentives, and (2) a means for evaluating efficiency. Such study shall
 165 include, but not be limited to, determining parameters for such
 166 facilities to allow expansion only after reaching certain thresholds. The
 167 department shall report its findings and recommendations pursuant to
 168 this section to the joint standing committee of the General Assembly
 169 having cognizance of matters relating to energy on or before February
 170 1, 2008.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>July 1, 2007</i>	New section
Sec. 2	<i>from passage</i>	16-245n(c)
Sec. 3	<i>July 1, 2007</i>	New section
Sec. 4	<i>July 1, 2007</i>	New section
Sec. 5	<i>July 1, 2007</i>	New section
Sec. 6	<i>July 1, 2007</i>	New section

Sec. 7	<i>July 1, 2007</i>	New section
Sec. 8	<i>July 1, 2007</i>	16-243q(a)
Sec. 9	<i>July 1, 2007</i>	16-245a(a)
Sec. 10	<i>July 1, 2007</i>	New section

Statement of Purpose:

To develop a pay-as-you-save program for residential solar water heating systems and to promote energy efficiency through a variety of mechanisms, including increasing renewable energy requirements, developing educational and promotional programs and studying ways to increase efficiency.

[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.]