

GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2011

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SENATE BILL 75
PROPOSED COMMITTEE SUBSTITUTE S75-PCS75065-RC-8

Short Title: Promote Electricity Demand Reduction.

(Public)

Sponsors:

Referred to:

February 16, 2011

1 A BILL TO BE ENTITLED
2 AN ACT TO PROMOTE THE USE OF ELECTRICITY DEMAND REDUCTION TO
3 SATISFY RENEWABLE ENERGY PORTFOLIO STANDARDS.

4 The General Assembly of North Carolina enacts:

5 **SECTION 1.** G.S. 62-133.8(a) is amended by adding a new subdivision to read:

6 "(3a) "Electricity demand reduction" means a measurable reduction in the
7 electricity demand of a retail electric customer that is voluntary, under the
8 real-time control of both the electric power supplier and the retail electric
9 customer, and measured in real time, using two-way communications
10 devices that communicate on the basis of standards."

11 **SECTION 2.** G.S. 62-133.8(b) reads as rewritten:

12 "(b) Renewable Energy and Energy Efficiency Standards (REPS) for Electric Public
13 Utilities. –

14 (1) Each electric public utility in the State shall be subject to a Renewable
15 Energy and Energy Efficiency Portfolio Standard (REPS) according to the
16 following schedule:

17 Calendar Year	18 REPS Requirement
19 2012	3% of 2011 North Carolina retail sales
20 2015	6% of 2014 North Carolina retail sales
21 2018	10% of 2017 North Carolina retail sales
22 2021 and thereafter	12.5% of 2020 North Carolina retail sales

23 (2) An electric public utility may meet the requirements of this section by any
24 one or more of the following:

- 25 a. Generate electric power at a new renewable energy facility.
- 26 b. Use a renewable energy resource to generate electric power at a
27 generating facility other than the generation of electric power from
28 waste heat derived from the combustion of fossil fuel.
- 29 c. Reduce energy consumption through the implementation of an
30 energy efficiency measure; provided, however, an electric public
31 utility subject to the provisions of this subsection may meet up to
32 twenty-five percent (25%) of the requirements of this section through
33 savings due to implementation of energy efficiency measures.
34 Beginning in calendar year 2021 and each year thereafter, an electric
public utility may meet up to forty percent (40%) of the requirements



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- 1 of this section through savings due to implementation of energy
- 2 efficiency measures.
- 3 d. Purchase electric power from a new renewable energy facility.
- 4 Electric power purchased from a new renewable energy facility
- 5 located outside the geographic boundaries of the State shall meet the
- 6 requirements of this section if the electric power is delivered to a
- 7 public utility that provides electric power to retail electric customers
- 8 in the State; provided, however, the electric public utility shall not
- 9 sell the renewable energy certificates created pursuant to this
- 10 paragraph to another electric public utility.
- 11 e. Purchase renewable energy certificates derived from in-State or
- 12 out-of-state new renewable energy facilities. Certificates derived
- 13 from out-of-state new renewable energy facilities shall not be used to
- 14 meet more than twenty-five percent (25%) of the requirements of this
- 15 section, provided that this limitation shall not apply to an electric
- 16 public utility with less than 150,000 North Carolina retail
- 17 jurisdictional customers as of December 31, 2006.
- 18 f. Use electric power that is supplied by a new renewable energy
- 19 facility or saved due to the implementation of an energy efficiency
- 20 measure that exceeds the requirements of this section for any
- 21 calendar year as a credit towards the requirements of this section in
- 22 the following calendar year or sell the associated renewable energy
- 23 certificates.

24 g. Electricity demand reduction."

25 **SECTION 3.** G.S. 62-133.8(c) reads as rewritten:

26 "(c) Renewable Energy and Energy Efficiency Standards (REPS) for Electric
27 Membership Corporations and Municipalities. –

- 28 (1) Each electric membership corporation or municipality that sells electric
- 29 power to retail electric power customers in the State shall be subject to a
- 30 Renewable Energy and Energy Efficiency Portfolio Standard (REPS)
- 31 according to the following schedule:

32 Calendar Year	33 REPS Requirement
34 2012	3% of 2011 North Carolina retail sales
35 2015	6% of 2014 North Carolina retail sales
36 2018 and thereafter	10% of 2017 North Carolina retail sales

- 37 (2) An electric membership corporation or municipality may meet the
- 38 requirements of this section by any one or more of the following:
- 39 a. Generate electric power at a new renewable energy facility.
- 40 b. Reduce energy consumption through the implementation of
- 41 demand-side management or energy efficiency measures.
- 42 c. Purchase electric power from a renewable energy facility or a
- 43 hydroelectric power facility, provided that no more than thirty
- 44 percent (30%) of the requirements of this section may be met with
- 45 hydroelectric power, including allocations made by the Southeastern
- 46 Power Administration.
- 47 d. Purchase renewable energy certificates derived from in-State or
- 48 out-of-state renewable energy facilities. An electric power supplier
- 49 subject to the requirements of this subsection may use certificates
- 50 derived from out-of-state renewable energy facilities to meet no more
- than twenty-five percent (25%) of the requirements of this section.

- 1 e. Acquire all or part of its electric power through a wholesale purchase
2 power agreement with a wholesale supplier of electric power whose
3 portfolio of supply and demand options meets the requirements of
4 this section.
- 5 f. Use electric power that is supplied by a new renewable energy
6 facility or saved due to the implementation of demand-side
7 management or energy efficiency measures that exceeds the
8 requirements of this section for any calendar year as a credit towards
9 the requirements of this section in the following calendar year or sell
10 the associated renewable energy certificates.
- 11 g. Electricity demand reduction."
- 12 **SECTION 4.** This act is effective when it becomes law.