
THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 1203 Session of
2007

INTRODUCED BY HORNAMAN, GEORGE, DePASQUALE, GERBER, McCALL,
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K. SMITH, GOODMAN, BENNINGTON, M. SMITH, PETRONE, LENTZ,
GRUCELA, FABRIZIO, WALKO AND GEIST, MAY 24, 2007

SENATOR M. WHITE, ENVIRONMENTAL RESOURCES AND ENERGY, IN SENATE,
AS AMENDED, JULY 10, 2007

AN ACT

1 Amending the act of November 30, 2004 (P.L.1672, No.213),
2 entitled, "An act providing for the sale of electric energy
3 generated from renewable and environmentally beneficial
4 sources, for the acquisition of electric energy generated
5 from renewable and environmentally beneficial sources by
6 electric distribution and supply companies and for the powers
7 and duties of the Pennsylvania Public Utility Commission,"
8 ~~further providing for definitions, for alternative energy~~ <—
9 ~~portfolio standards, for portfolio requirements in other~~
10 ~~states and for interconnection standards for customer-~~
11 ~~generator facilities.~~ FURTHER PROVIDING FOR THE DEFINITIONS <—
12 OF "ALTERNATIVE ENERGY SOURCES," "CUSTOMER-GENERATOR," "FORCE
13 MAJEURE," AND "NET METERING," FOR ALTERNATIVE ENERGY
14 PORTFOLIO STANDARDS, FOR PORTFOLIO REQUIREMENTS IN OTHER
15 STATES AND FOR INTERCONNECTION STANDARDS FOR CUSTOMER-
16 GENERATOR FACILITIES.

17 The General Assembly of the Commonwealth of Pennsylvania
18 hereby enacts as follows:

19 ~~Section 1. The definitions of "alternative energy credit,"~~ <—
20 ~~"customer generator," "force majeure" and "Tier I alternative~~
21 ~~energy source" in section 2 of the act of November 30, 2004~~

1 ~~(P.L.1672, No.213), known as the Alternative Energy Portfolio~~
2 ~~Standards Act, are amended to read:~~

3 ~~Section 2. Definitions.~~

4 ~~The following words and phrases when used in this act shall~~
5 ~~have the meanings given to them in this section unless the~~
6 ~~context clearly indicates otherwise:~~

7 ~~"Alternative energy credit."—A tradable instrument that is~~
8 ~~used to establish, verify and monitor compliance with this act.~~
9 ~~A unit of credit shall equal one megawatt hour of electricity~~
10 ~~from an alternative energy source. The alternative energy credit~~
11 ~~shall remain the property of the alternative energy system until~~
12 ~~the alternative energy credit is voluntarily transferred by the~~
13 ~~alternative energy system.~~

14 ~~* * *~~

15 ~~"Customer generator."—A nonutility owner or operator of a~~
16 ~~net metered distributed generation system with a nameplate~~
17 ~~capacity of not greater than 50 kilowatts if installed at a~~
18 ~~residential service or not larger than [1,000] 3,000 kilowatts~~
19 ~~at other customer service locations, except for customers whose~~
20 ~~systems are above [one megawatt] three megawatts and up to [two]~~
21 ~~five megawatts who make their systems available to operate in~~
22 ~~parallel with the electric utility during grid emergencies as~~
23 ~~defined by the regional transmission organization or where a~~
24 ~~microgrid is in place for the primary or secondary purpose of~~
25 ~~maintaining critical infrastructure, such as homeland security~~
26 ~~assignments, emergency services facilities, hospitals, traffic~~
27 ~~signals, wastewater treatment plants or telecommunications~~
28 ~~facilities, provided that technical rules for operating~~
29 ~~generators interconnected with facilities of an electric~~
30 ~~distribution company, electric cooperative or municipal electric~~

1 system have been promulgated by the Institute of Electrical and
2 Electronic Engineers and the Pennsylvania Public Utility
3 Commission.

4 * * *

5 "Force majeure." Upon its own initiative or upon a request
6 of an electric distribution company or an electric generator
7 supplier, the Pennsylvania Public Utility Commission, within 60
8 days, shall determine if alternative energy resources are
9 reasonably available in the marketplace in sufficient quantities
10 for the electric distribution companies and electric generation
11 suppliers to meet their obligations for that reporting period
12 under this act. In making this determination the commission
13 shall consider whether electric distribution companies or
14 electric generation suppliers have made a good faith effort to
15 acquire sufficient alternative energy to comply with their
16 obligations. Such good faith efforts shall include, but are not
17 limited to, banking alternative energy credits during their
18 transition periods, seeking alternative energy credits through
19 competitive solicitations and seeking to procure alternative
20 energy credits or alternative energy through long term
21 contracts. In further making its determination the commission
22 shall assess the availability of alternative energy credits in
23 the Generation Attributes Tracking System (GATS) or its
24 successor, and the availability of alternative energy credits
25 generally in Pennsylvania and other jurisdictions in the PJM
26 Interconnection, L.L.C. regional transmission organization (PJM)
27 or its successor. The commission may also require solicitations
28 for alternative energy credits as part of default service before
29 requests of force majeure can be made. If the commission further
30 determines that alternative energy resources are not reasonably

1 ~~available in sufficient quantities in the marketplace for the~~
2 ~~electric distribution companies and electric generation~~
3 ~~suppliers to meet their obligations under this act, then the~~
4 ~~commission shall modify the underlying obligation of the~~
5 ~~electric distribution company or electric generation supplier or~~
6 ~~recommend to the General Assembly that the underlying obligation~~
7 ~~be eliminated. Commission modification of the electric~~
8 ~~distribution company or electric generation supplier obligations~~
9 ~~under this act shall be for that compliance period only.~~
10 ~~Commission modification shall not automatically reduce the~~
11 ~~obligation for subsequent compliance years. If the commission~~
12 ~~modifies the electric distribution company or electric~~
13 ~~generation supplier obligations under this act, the commission~~
14 ~~may require the electric distribution company or electric~~
15 ~~generation supplier to acquire additional alternative energy~~
16 ~~credits in subsequent years equivalent to the obligation reduced~~
17 ~~due to a force majeure declaration if the commission determines~~
18 ~~that sufficient alternative energy credits exist in the~~
19 ~~marketplace.~~

20 * * *

21 ~~"Tier I alternative energy source."—Energy derived from:~~

22 ~~(1) Solar photovoltaic and solar thermal energy.~~

23 ~~(2) Wind power.~~

24 ~~(3) Low impact hydropower.~~

25 ~~(4) Geothermal energy.~~

26 ~~(5) Biologically derived methane gas.~~

27 ~~(6) Fuel cells.~~

28 ~~(7) Biomass energy.~~

29 ~~(8) Coal mine methane.~~

30 * * *

1 ~~Section 2. Sections 3(b), (e) and (f), 4 and 5 of the act~~
2 ~~are amended to read:~~

3 ~~Section 3. Alternative energy portfolio standards.~~

4 ~~* * *~~

5 ~~(b) Tier I and solar photovoltaic shares.—~~

6 ~~(1) Two years after the effective date of this act, at~~
7 ~~least 1.5% of the electric energy sold by an electric~~
8 ~~distribution company or electric generation supplier to~~
9 ~~retail electric customers in this Commonwealth shall be~~
10 ~~generated from Tier I alternative energy sources. Except as~~
11 ~~provided in this section, the minimum percentage of electric~~
12 ~~energy required to be sold to retail electric customers from~~
13 ~~alternative energy sources shall increase to 2% three years~~
14 ~~after the effective date of this act. The minimum percentage~~
15 ~~of electric energy required to be sold to retail electric~~
16 ~~customers from alternative energy sources shall increase by~~
17 ~~at least 0.5% each year so that at least 8% of the electric~~
18 ~~energy sold by an electric distribution company or electric~~
19 ~~generation supplier to retail electric customers in that~~
20 ~~certificated territory in the 15th year after the effective~~
21 ~~date of this subsection is sold from Tier I alternative~~
22 ~~energy resources.~~

23 ~~(2) [Of the electric energy required to be sold from~~
24 ~~Tier I sources, the total percentage that must be sold from~~
25 ~~solar photovoltaic technologies is for:] The total percentage~~
26 ~~of the electric energy sold by an electric distribution~~
27 ~~company or an electric generation supplier to retail electric~~
28 ~~customers in this Commonwealth that must be sold from solar~~
29 ~~photovoltaic technologies is:~~

30 ~~[(i) Years 1 through 4 — 0.0013%.~~

1 ~~(ii) Years 5 through 9 — 0.0203%.~~

2 ~~(iii) Years 10 through 14 — 0.2500%.~~

3 ~~(iv) Years 15 and thereafter — 0.5000%.]~~

4 ~~(i) 0.0013% for June 1, 2006, through May 31, 2007.~~

5 ~~(ii) 0.0030% for June 1, 2007, through May 31, 2008.~~

6 ~~(iii) 0.0063% for June 1, 2008, through May 31,~~

7 ~~2009.~~

8 ~~(iv) 0.0120% for June 1, 2009, through May 31, 2010.~~

9 ~~(v) 0.0203% for June 1, 2010, through May 31, 2011.~~

10 ~~(vi) 0.0325% for June 1, 2011, through May 31, 2012.~~

11 ~~(vii) 0.0510% for June 1, 2012, through May 31,~~

12 ~~2013.~~

13 ~~(viii) 0.0840% for June 1, 2013, through May 31,~~

14 ~~2014.~~

15 ~~(ix) 0.1440% for June 1, 2014, through May 31, 2015.~~

16 ~~(x) 0.2500% for June 1, 2015, through May 31, 2016.~~

17 ~~(xi) 0.2933% for June 1, 2016, through May 31, 2017.~~

18 ~~(xii) 0.3400% for June 1, 2017, through May 31,~~

19 ~~2018.~~

20 ~~(xiii) 0.3900% for June 1, 2018, through May 31,~~

21 ~~2019.~~

22 ~~(xiv) 0.4433% for June 1, 2019, and thereafter.~~

23 ~~(xiv) 0.4433% for June 1, 2019, through May 31,~~

24 ~~2020.~~

25 ~~(xv) 0.5000% for June 1, 2020, and thereafter.~~

26 ~~The percentages in this paragraph shall apply to all~~

27 ~~retail electricity sales in this Commonwealth.~~

28 ~~(3) Upon commencement of the beginning of the 6th~~

29 ~~reporting year, the commission shall undertake a review of~~

30 ~~the compliance by electric distribution companies and~~

1 ~~electric generation suppliers with the requirements of this~~
2 ~~act. The review shall also include the status of alternative~~
3 ~~energy technologies within this Commonwealth and the capacity~~
4 ~~to add additional alternative energy resources. The~~
5 ~~commission shall use the results of this review to recommend~~
6 ~~to the General Assembly additional compliance goals beyond~~
7 ~~year 15. The commission shall work with the department in~~
8 ~~evaluating the future alternative energy resource potential.~~

9 ~~* * *~~

10 ~~(c) Alternative energy credits.—~~

11 ~~(1) The commission shall establish an alternative energy~~
12 ~~credits program as needed to implement this act. The~~
13 ~~provision of services pursuant to this section shall be~~
14 ~~exempt from the competitive procurement procedures of 62~~
15 ~~Pa.C.S. (relating to procurement).~~

16 ~~(2) The commission shall approve an independent entity~~
17 ~~to serve as the alternative energy credits program~~
18 ~~administrator. The administrator shall have those powers and~~
19 ~~duties assigned by commission regulations. Such powers and~~
20 ~~duties shall include, but not be limited to, the following:~~

21 ~~(i) To create and administer an alternative energy~~
22 ~~credits certification, tracking and reporting program.~~
23 ~~This program should include, at a minimum, a process for~~
24 ~~qualifying alternative energy systems and determining the~~
25 ~~manner credits can be created, accounted for, transferred~~
26 ~~and retired.~~

27 ~~(ii) To submit reports to the commission at such~~
28 ~~times and in such manner as the commission shall direct.~~

29 ~~(3) All qualifying alternative energy systems must~~
30 ~~include a qualifying meter to record the cumulative electric~~

1 ~~production to verify the advanced energy credit value.~~
2 ~~Qualifying meters will be approved by the commission as~~
3 ~~defined in paragraph (4).~~

4 ~~(4) (i) An electric distribution company or electric~~
5 ~~generation supplier shall comply with the applicable~~
6 ~~requirements of this section by purchasing sufficient~~
7 ~~alternative energy credits and submitting documentation~~
8 ~~of compliance to the program administrator.~~

9 ~~(ii) For purposes of this subsection, one~~
10 ~~alternative energy credit shall represent one megawatt~~
11 ~~hour of qualified alternative electric generation,~~
12 ~~whether self-generated, purchased along with the electric~~
13 ~~commodity or separately through a tradable instrument and~~
14 ~~otherwise meeting the requirements of commission~~
15 ~~regulations and the program administrator.~~

16 ~~(5) The alternative energy credits program shall include~~
17 ~~provisions requiring a reporting period as defined in section~~
18 ~~2 for all covered entities under this act. The alternative~~
19 ~~energy credits program shall also include a true up period as~~
20 ~~defined in section 2. The true up period shall provide~~
21 ~~entities covered under this act the ability to obtain the~~
22 ~~required number of alternative energy credits or to make up~~
23 ~~any shortfall of the alternative energy credits they may be~~
24 ~~required to obtain to comply with this act. A force majeure~~
25 ~~provision shall also be provided for under the true up period~~
26 ~~provisions.~~

27 ~~(6) An electric distribution company and electric~~
28 ~~generation supplier may bank or place in reserve alternative~~
29 ~~energy credits produced in one reporting year for compliance~~
30 ~~in either or both of the two subsequent reporting years,~~

1 ~~subject to the limitations set forth in this subsection and~~
2 ~~provided that the electric distribution company and electric~~
3 ~~generation supplier are in compliance for all previous~~
4 ~~reporting years. In addition, the electric distribution~~
5 ~~company and electric generation supplier shall demonstrate to~~
6 ~~the satisfaction of the commission that such credits:~~

7 ~~(i) were in excess of the alternative energy credits~~
8 ~~needed for compliance in the year in which they were~~
9 ~~generated and that such excess credits have not~~
10 ~~previously been used for compliance under this act;~~

11 ~~(ii) were produced by the generation of electrical~~
12 ~~energy by alternative energy sources and sold to retail~~
13 ~~customers during the year in which they were generated;~~
14 ~~and~~

15 ~~(iii) have not otherwise been nor will be sold,~~
16 ~~retired, claimed or represented as part of satisfying~~
17 ~~compliance with alternative or renewable energy portfolio~~
18 ~~standards in other states.~~

19 ~~(7) An electric distribution company or an electric~~
20 ~~generation supplier with sales that are exempted under~~
21 ~~subsection (d) may bank credits for retail sales of~~
22 ~~electricity generated from Tier I and Tier II sources made~~
23 ~~prior to the end of the cost recovery period and after the~~
24 ~~effective date of this act. Bankable credits shall be limited~~
25 ~~to credits associated with electricity sold from Tier I and~~
26 ~~Tier II sources during a reporting year which exceeds the~~
27 ~~volume of sales from such sources by an electric distribution~~
28 ~~company or electric generation supplier during the 12 month~~
29 ~~period immediately preceding the effective date of this act.~~
30 ~~All credits banked under this subsection shall be available~~

1 ~~for compliance with subsections (b) and (c) for no more than~~
2 ~~two reporting years following the conclusion of the cost~~
3 ~~recovery period.~~

4 ~~(8) The commission or its designee shall develop a~~
5 ~~registry of pertinent information regarding all available~~
6 ~~alternative energy credits, credit transactions among~~
7 ~~electric distribution companies and electric generation~~
8 ~~suppliers, the number of alternative energy credits sold or~~
9 ~~transferred and the price paid for the sale or transfer of~~
10 ~~the credits. The registry shall provide current information~~
11 ~~to electric distribution companies, electric generation~~
12 ~~suppliers and the general public on the status of alternative~~
13 ~~energy credits created, sold or transferred within this~~
14 ~~Commonwealth.~~

15 ~~(9) The commission may impose an administrative fee on~~
16 ~~an alternative energy credit transaction. The amount of this~~
17 ~~fee may not exceed the actual direct cost of processing the~~
18 ~~transaction by the alternative energy credits administrator.~~
19 ~~The commission is authorized to utilize up to 5% of the~~
20 ~~alternative compliance fees generated under subsection (f)~~
21 ~~for administrative expenses directly associated with this~~
22 ~~act.~~

23 ~~(10) The commission shall establish regulations~~
24 ~~governing the verification and tracking of energy efficiency~~
25 ~~and demand side management measures pursuant to this act,~~
26 ~~which shall include benefits to all utility customer classes.~~
27 ~~When developing regulations, the commission must give~~
28 ~~reasonable consideration to existing and proposed regulations~~
29 ~~and rules in existence in the regional transmission~~
30 ~~organizations that manage the transmission system in any part~~

1 of this Commonwealth. All verified reductions shall accrue
2 credits starting with the passage of this act.

3 ~~(11) The commission shall within 120 days of the~~
4 ~~effective date of this act develop a depreciation schedule~~
5 ~~for alternative energy credits created through demand side~~
6 ~~management, energy efficiency and load management~~
7 ~~technologies and shall develop standards for tracking and~~
8 ~~verifying savings from energy efficiency, load management and~~
9 ~~demand side management measures. The commission shall allow~~
10 ~~for a 60 day public comment period and shall issue final~~
11 ~~standards within 30 days of the close of the public comment~~
12 ~~period.~~

13 ~~(12) (i) Unless a contractual provision explicitly~~
14 ~~assigns alternative energy credits in a different manner,~~
15 ~~the owner of the alternative energy system or a customer~~
16 ~~generator owns any and all alternative energy credits~~
17 ~~associated with or created by the production of electric~~
18 ~~energy by such facility or customer, and the owner or~~
19 ~~customer shall be entitled to sell, transfer or take any~~
20 ~~other action to which a legal owner of property is~~
21 ~~entitled to take with respect to the credits.~~

22 ~~(ii) This paragraph shall apply to all alternative~~
23 ~~energy credits which were created pursuant to this act~~
24 ~~prior to the effective date of this paragraph and which~~
25 ~~will be created after the effective date of this~~
26 ~~paragraph, regardless of when any underlying contract for~~
27 ~~the purchase of electric energy or other products from~~
28 ~~the generator that qualifies as an alternative energy~~
29 ~~system was executed.~~

30 ~~(f) Alternative compliance payment.~~

1 ~~(1) At the end of each program year, the program~~
2 ~~administrator shall provide a report to the commission and to~~
3 ~~each covered electric distribution company showing their~~
4 ~~status level of alternative energy acquisition.~~

5 ~~(2) The commission shall conduct a review of each~~
6 ~~determination made under subsections (b) and (c). If, after~~
7 ~~notice and hearing, the commission determines that an~~
8 ~~electric distribution company or electric generation supplier~~
9 ~~has failed to comply with subsections (b) and (c), the~~
10 ~~commission shall impose an alternative compliance payment on~~
11 ~~that company or supplier.~~

12 ~~(3) The alternative compliance payment, with the~~
13 ~~exception of the solar photovoltaic share compliance~~
14 ~~requirement set forth in subsection (b)(2), shall be \$45~~
15 ~~times the number of additional alternative energy credits~~
16 ~~needed in order to comply with subsection (b) or (c).~~

17 ~~(4) The alternative compliance payment for the solar~~
18 ~~photovoltaic share shall be 200% of the average market value~~
19 ~~of solar renewable energy credits sold during the reporting~~
20 ~~period within the service region of the regional transmission~~
21 ~~organization, including, where applicable, the levelized up-~~
22 ~~front rebates received by sellers of solar renewable energy~~
23 ~~credits in other jurisdictions in the PJM Interconnection,~~
24 ~~L.L.C. transmission organization (PJM) or its successor.~~

25 ~~(5) The commission shall establish a process to provide~~
26 ~~for, at least annually, a review of the alternative energy~~
27 ~~market within this Commonwealth and the service territories~~
28 ~~of the regional transmission organizations that manage the~~
29 ~~transmission system in any part of this Commonwealth. The~~
30 ~~commission will use the results of this study to identify any~~

1 needed changes to the cost associated with the alternative
2 compliance payment program. If the commission finds that the
3 costs associated with the alternative compliance payment
4 program must be changed, the commission shall present these
5 findings to the General Assembly for legislative enactment.

6 * * *

7 Section 4. ~~Portfolio requirements in other states.~~

8 ~~If an electric distribution supplier or electric generation
9 company provider sells electricity in any other state and is
10 subject to renewable energy portfolio requirements in that
11 state, they shall list any such requirement and shall indicate
12 how it satisfied those renewable energy portfolio requirements.~~

13 ~~To prevent double counting, the electric distribution supplier
14 or electric generation company shall not satisfy Pennsylvania's
15 alternative energy portfolio requirements using alternative
16 energy used to satisfy another state's portfolio requirements[.~~

17 ~~Energy derived only from alternative energy sources inside the
18 geographical boundaries of this Commonwealth or within the
19 service territory of any regional transmission organization that
20 manages the transmission system in any part of this Commonwealth
21 shall be eligible to meet the compliance requirements under this
22 act.] or alternative energy credits already purchased by~~

23 individuals, businesses, or government bodies that do not have a
24 compliance obligation under this act unless the individual,
25 business or government body sells those credits to the electric
26 distribution company or electric generation supplier. Energy
27 derived from alternative energy sources inside the geographical
28 boundaries of this Commonwealth shall be eligible to meet the
29 compliance requirements under this act. Energy derived from
30 alternative energy sources located outside the geographical

~~boundaries of this Commonwealth but within the service territory of a regional transmission organization that manages the transmission system in any part of this Commonwealth shall only be eligible to meet the compliance requirements of electric distribution companies or electric generation suppliers located within the service territory of the same regional transmission organization. For purposes of compliance with this act, alternative energy sources located in the PJM Interconnection, L.L.C. regional transmission organization (PJM) or its successor service territory shall be eligible to fulfill compliance obligations of all Pennsylvania electric distribution companies and electric generation suppliers. Energy derived from alternative energy sources located outside the service territory of a regional transmission organization that manages the transmission system in any part of this Commonwealth shall not be eligible to meet the compliance requirements of this act. Electric distribution companies and electric generation suppliers shall document that this energy was not used to satisfy another state's renewable energy portfolio standards.~~

~~Section 5. Interconnection standards for customer generator facilities.~~

~~Excess generation from net metered customer generators shall receive full retail value for all energy produced on an annual basis. The commission shall develop technical and net metering interconnection rules for customer generators intending to operate renewable onsite generators in parallel with the electric utility grid, consistent with rules defined in other states within the service region of the regional transmission organization that manages the transmission system in any part of this Commonwealth. The commission shall convene a stakeholder~~

1 ~~process to develop Statewide technical and net metering rules~~
2 ~~for customer generators. The commission shall develop these~~
3 ~~rules within nine months of the effective date of this act.~~

4 ~~Section 3. The addition of section 3(e)(12) of the act shall~~
5 ~~apply to all alternative energy credits created under the act~~
6 ~~before, on or after the effective date of this section,~~
7 ~~regardless of when any underlying contract for the purchase of~~
8 ~~electric energy or other products from the generator that~~
9 ~~qualifies as an alternative energy system was executed.~~

10 ~~Section 4. This act shall take effect immediately.~~

11 SECTION 1. THE DEFINITIONS OF "ALTERNATIVE ENERGY SOURCES," <—
12 "CUSTOMER-GENERATOR," "FORCE MAJEURE" AND "NET METERING" IN
13 SECTION 2 OF THE ACT OF NOVEMBER 30, 2004 (P.L.1672, NO.213),
14 KNOWN AS THE ALTERNATIVE ENERGY PORTFOLIO STANDARDS ACT, ARE
15 AMENDED TO READ:

16 SECTION 2. DEFINITIONS.

17 THE FOLLOWING WORDS AND PHRASES WHEN USED IN THIS ACT SHALL
18 HAVE THE MEANINGS GIVEN TO THEM IN THIS SECTION UNLESS THE
19 CONTEXT CLEARLY INDICATES OTHERWISE:

20 * * *

21 "ALTERNATIVE ENERGY SOURCES." THE TERM SHALL INCLUDE THE
22 FOLLOWING EXISTING AND NEW SOURCES FOR THE PRODUCTION OF
23 ELECTRICITY:

24 (1) SOLAR PHOTOVOLTAIC OR OTHER SOLAR ELECTRIC ENERGY.

25 (2) SOLAR THERMAL ENERGY.

26 (3) WIND POWER.

27 (4) LARGE-SCALE HYDROPOWER, WHICH SHALL MEAN THE
28 PRODUCTION OF ELECTRIC POWER BY HARNESSING THE HYDROELECTRIC
29 POTENTIAL OF MOVING WATER IMPOUNDMENTS, INCLUDING PUMPED
30 STORAGE THAT DOES NOT MEET THE REQUIREMENTS OF LOW-IMPACT

1 HYDROPOWER UNDER PARAGRAPH (5).

2 (5) LOW-IMPACT HYDROPOWER CONSISTING OF ANY TECHNOLOGY
3 THAT PRODUCES ELECTRIC POWER AND THAT HARNESSSES THE
4 HYDROELECTRIC POTENTIAL OF MOVING WATER IMPOUNDMENTS,
5 PROVIDED THE HYDROPOWER SOURCE HAS A NAMEPLATE CAPACITY OF 21
6 MEGAWATTS OR LESS AND A LICENSE ISSUED BY THE FEDERAL ENERGY
7 REGULATORY COMMISSION FOR THE HYDROPOWER SOURCE WAS HELD IN
8 WHOLE OR IN PART BY A MUNICIPALITY OR ELECTRIC COOPERATIVE ON
9 JULY 1, 2007, OR SUCH INCREMENTAL HYDROELECTRIC DEVELOPMENT:

10 (I) DOES NOT ADVERSELY CHANGE EXISTING IMPACTS TO
11 AQUATIC SYSTEMS;

12 (II) MEETS THE CERTIFICATION STANDARDS ESTABLISHED
13 BY THE LOW IMPACT HYDROPOWER INSTITUTE AND AMERICAN
14 RIVERS, INC., OR THEIR SUCCESSORS;

15 (III) PROVIDES AN ADEQUATE WATER FLOW FOR PROTECTION
16 OF AQUATIC LIFE AND FOR SAFE AND EFFECTIVE FISH PASSAGE;

17 (IV) PROTECTS AGAINST EROSION; AND

18 (V) PROTECTS CULTURAL AND HISTORIC RESOURCES.

19 (6) GEOTHERMAL ENERGY, WHICH SHALL MEAN ELECTRICITY
20 PRODUCED BY EXTRACTING HOT WATER OR STEAM FROM GEOTHERMAL
21 RESERVES IN THE EARTH'S CRUST AND SUPPLIED TO STEAM TURBINES
22 THAT DRIVE GENERATORS TO PRODUCE ELECTRICITY.

23 (7) BIOMASS ENERGY, WHICH SHALL MEAN THE GENERATION OF
24 ELECTRICITY UTILIZING THE FOLLOWING:

25 (I) ORGANIC MATERIAL FROM A PLANT THAT IS GROWN FOR
26 THE PURPOSE OF BEING USED TO PRODUCE ELECTRICITY OR IS
27 PROTECTED BY THE FEDERAL CONSERVATION RESERVE PROGRAM
28 (CRP) AND PROVIDED FURTHER THAT CROP PRODUCTION ON CRP
29 LANDS DOES NOT PREVENT ACHIEVEMENT OF THE WATER QUALITY
30 PROTECTION, SOIL EROSION PREVENTION OR WILDLIFE

1 ENHANCEMENT PURPOSES FOR WHICH THE LAND WAS PRIMARILY SET
2 ASIDE; OR

3 (II) ANY SOLID NONHAZARDOUS, CELLULOSIC WASTE
4 MATERIAL THAT IS SEGREGATED FROM OTHER WASTE MATERIALS,
5 SUCH AS WASTE PALLETS, CRATES AND LANDSCAPE OR RIGHT-OF-
6 WAY TREE TRIMMINGS OR AGRICULTURAL SOURCES, INCLUDING
7 ORCHARD TREE CROPS, VINEYARDS, GRAIN, LEGUMES, SUGAR AND
8 OTHER CROP BY-PRODUCTS OR RESIDUES.

9 (8) BIOLOGICALLY DERIVED METHANE GAS, WHICH SHALL
10 INCLUDE METHANE FROM THE ANAEROBIC DIGESTION OF ORGANIC
11 MATERIALS FROM YARD WASTE, SUCH AS GRASS CLIPPINGS AND
12 LEAVES, FOOD WASTE, ANIMAL WASTE AND SEWAGE SLUDGE. THE TERM
13 ALSO INCLUDES LANDFILL METHANE GAS.

14 (9) FUEL CELLS, WHICH SHALL MEAN ANY ELECTROCHEMICAL
15 DEVICE THAT CONVERTS CHEMICAL ENERGY IN A HYDROGEN-RICH FUEL
16 DIRECTLY INTO ELECTRICITY, HEAT AND WATER WITHOUT COMBUSTION.

17 (10) WASTE COAL, WHICH SHALL INCLUDE THE COMBUSTION OF
18 WASTE COAL IN FACILITIES IN WHICH THE WASTE COAL WAS DISPOSED
19 OR ABANDONED PRIOR TO JULY 31, 1982, OR DISPOSED OF
20 THEREAFTER IN A PERMITTED COAL REFUSE DISPOSAL SITE
21 REGARDLESS OF WHEN DISPOSED OF, AND USED TO GENERATE
22 ELECTRICITY, OR SUCH OTHER WASTE COAL COMBUSTION MEETING
23 ALTERNATE ELIGIBILITY REQUIREMENTS ESTABLISHED BY REGULATION.
24 FACILITIES COMBUSTING WASTE COAL SHALL USE AT A MINIMUM A
25 COMBINED FLUIDIZED BED BOILER AND BE OUTFITTED WITH A
26 LIMESTONE INJECTION SYSTEM AND A FABRIC FILTER PARTICULATE
27 REMOVAL SYSTEM. ALTERNATIVE ENERGY CREDITS SHALL BE
28 CALCULATED BASED UPON THE PROPORTION OF WASTE COAL UTILIZED
29 TO PRODUCE ELECTRICITY AT THE FACILITY.

30 (11) COAL MINE METHANE, WHICH SHALL MEAN METHANE GAS

1 EMITTING FROM ABANDONED OR WORKING COAL MINES.

2 (12) DEMAND-SIDE MANAGEMENT CONSISTING OF THE MANAGEMENT
3 OF CUSTOMER CONSUMPTION OF ELECTRICITY OR THE DEMAND FOR
4 ELECTRICITY THROUGH THE IMPLEMENTATION OF:

5 (I) ENERGY EFFICIENCY TECHNOLOGIES, MANAGEMENT
6 PRACTICES OR OTHER STRATEGIES IN RESIDENTIAL, COMMERCIAL,
7 INSTITUTIONAL OR GOVERNMENT CUSTOMERS THAT REDUCE
8 ELECTRICITY CONSUMPTION BY THOSE CUSTOMERS;

9 (II) LOAD MANAGEMENT OR DEMAND RESPONSE
10 TECHNOLOGIES, MANAGEMENT PRACTICES OR OTHER STRATEGIES IN
11 RESIDENTIAL, COMMERCIAL, INDUSTRIAL, INSTITUTIONAL AND
12 GOVERNMENT CUSTOMERS THAT SHIFT ELECTRIC LOAD FROM
13 PERIODS OF HIGHER DEMAND TO PERIODS OF LOWER DEMAND; OR

14 (III) INDUSTRIAL BY-PRODUCT TECHNOLOGIES CONSISTING
15 OF THE USE OF A BY-PRODUCT FROM AN INDUSTRIAL PROCESS,
16 INCLUDING THE REUSE OF ENERGY FROM EXHAUST GASES OR OTHER
17 MANUFACTURING BY-PRODUCTS THAT ARE USED IN THE DIRECT
18 PRODUCTION OF ELECTRICITY AT THE FACILITY OF A CUSTOMER.

19 (13) DISTRIBUTED GENERATION SYSTEM, WHICH SHALL MEAN THE
20 SMALL-SCALE POWER GENERATION OF ELECTRICITY AND USEFUL
21 THERMAL ENERGY.

22 * * *

23 "CUSTOMER-GENERATOR." A NONUTILITY OWNER OR OPERATOR OF A
24 NET METERED DISTRIBUTED GENERATION SYSTEM WITH A NAMEPLATE
25 CAPACITY OF NOT GREATER THAN 50 KILOWATTS IF INSTALLED AT A
26 RESIDENTIAL SERVICE OR NOT LARGER THAN [1,000] 3,000 KILOWATTS
27 AT OTHER CUSTOMER SERVICE LOCATIONS, EXCEPT FOR CUSTOMERS WHOSE
28 SYSTEMS ARE ABOVE [ONE MEGAWATT] THREE MEGAWATTS AND UP TO [TWO]
29 FIVE MEGAWATTS WHO MAKE THEIR SYSTEMS AVAILABLE TO OPERATE IN
30 PARALLEL WITH THE ELECTRIC UTILITY DURING GRID EMERGENCIES AS

1 DEFINED BY THE REGIONAL TRANSMISSION ORGANIZATION OR [WHERE A
2 MICROGRID IS IN PLACE] WHO MAKE THEIR SYSTEMS AVAILABLE FOR THE
3 PRIMARY OR SECONDARY PURPOSE OF MAINTAINING CRITICAL
4 INFRASTRUCTURE, SUCH AS HOMELAND SECURITY ASSIGNMENTS, EMERGENCY
5 SERVICES FACILITIES, HOSPITALS, TRAFFIC SIGNALS, WASTEWATER
6 TREATMENT PLANTS OR TELECOMMUNICATIONS FACILITIES, PROVIDED THAT
7 TECHNICAL RULES FOR OPERATING GENERATORS INTERCONNECTED WITH
8 FACILITIES OF AN ELECTRIC DISTRIBUTION COMPANY, ELECTRIC
9 COOPERATIVE OR MUNICIPAL ELECTRIC SYSTEM HAVE BEEN PROMULGATED
10 BY THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS AND THE
11 PENNSYLVANIA PUBLIC UTILITY COMMISSION. A NET METERED
12 DISTRIBUTED GENERATION SYSTEM CAPABLE OF PROVIDING MORE THAN ONE
13 MEGAWATT THROUGH ITS INTERCONNECTION SHALL COMPLY WITH ALL
14 TECHNICAL RULES NECESSARY TO ENSURE THAT SIGNIFICANT
15 FLUCTUATIONS IN THE ELECTRICAL SUPPLY TO THE ELECTRIC
16 DISTRIBUTION COMPANY, ELECTRIC COOPERATIVE OR MUNICIPAL ELECTRIC
17 SYSTEM WILL NOT INTERFERE WITH ITS OPERATIONS.

18 * * *

19 "FORCE MAJEURE." UPON ITS OWN INITIATIVE OR UPON A REQUEST
20 OF AN ELECTRIC DISTRIBUTION COMPANY OR AN ELECTRIC GENERATOR
21 SUPPLIER, THE PENNSYLVANIA PUBLIC UTILITY COMMISSION, WITHIN 60
22 DAYS, SHALL DETERMINE IF ALTERNATIVE ENERGY RESOURCES ARE
23 REASONABLY AVAILABLE IN THE MARKETPLACE IN SUFFICIENT QUANTITIES
24 FOR THE ELECTRIC DISTRIBUTION COMPANIES AND ELECTRIC GENERATION
25 SUPPLIERS TO MEET THEIR OBLIGATIONS FOR THAT REPORTING PERIOD
26 UNDER THIS ACT. IN MAKING THIS DETERMINATION THE COMMISSION
27 SHALL CONSIDER WHETHER ELECTRIC DISTRIBUTION COMPANIES OR
28 ELECTRIC GENERATION SUPPLIERS HAVE MADE A GOOD FAITH EFFORT TO
29 ACQUIRE SUFFICIENT ALTERNATIVE ENERGY TO COMPLY WITH THEIR
30 OBLIGATIONS. SUCH GOOD FAITH EFFORTS SHALL INCLUDE, BUT ARE NOT

1 LIMITED TO, BANKING ALTERNATIVE ENERGY CREDITS DURING THEIR
2 TRANSITION PERIODS, SEEKING ALTERNATIVE ENERGY CREDITS THROUGH
3 COMPETITIVE SOLICITATIONS AND SEEKING TO PROCURE ALTERNATIVE
4 ENERGY CREDITS OR ALTERNATIVE ENERGY THROUGH LONG-TERM
5 CONTRACTS. IN FURTHER MAKING ITS DETERMINATION THE COMMISSION
6 SHALL ASSESS THE AVAILABILITY OF ALTERNATIVE ENERGY CREDITS IN
7 THE GENERATION ATTRIBUTES TRACKING SYSTEM (GATS) OR ITS
8 SUCCESSOR, AND THE AVAILABILITY OF ALTERNATIVE ENERGY CREDITS
9 GENERALLY IN PENNSYLVANIA AND OTHER JURISDICTIONS IN THE PJM
10 INTERCONNECTION, L.L.C. REGIONAL TRANSMISSION ORGANIZATION (PJM)
11 OR ITS SUCCESSOR. THE COMMISSION MAY ALSO REQUIRE SOLICITATIONS
12 FOR ALTERNATIVE ENERGY CREDITS AS PART OF DEFAULT SERVICE BEFORE
13 REQUESTS OF FORCE MAJEURE CAN BE MADE. IF THE COMMISSION FURTHER
14 DETERMINES THAT ALTERNATIVE ENERGY RESOURCES ARE NOT REASONABLY
15 AVAILABLE IN SUFFICIENT QUANTITIES IN THE MARKETPLACE FOR THE
16 ELECTRIC DISTRIBUTION COMPANIES AND ELECTRIC GENERATION
17 SUPPLIERS TO MEET THEIR OBLIGATIONS UNDER THIS ACT, THEN THE
18 COMMISSION SHALL MODIFY THE UNDERLYING OBLIGATION OF THE
19 ELECTRIC DISTRIBUTION COMPANY OR ELECTRIC GENERATION SUPPLIER OR
20 RECOMMEND TO THE GENERAL ASSEMBLY THAT THE UNDERLYING OBLIGATION
21 BE ELIMINATED.

22 * * *

23 "NET METERING." THE MEANS OF MEASURING THE DIFFERENCE
24 BETWEEN THE ELECTRICITY SUPPLIED BY AN ELECTRIC UTILITY AND THE
25 ELECTRICITY GENERATED BY A CUSTOMER-GENERATOR [WHEN THE
26 RENEWABLE ENERGY GENERATING SYSTEM IS INTENDED PRIMARILY], WHEN
27 ANY PORTION OF THE ELECTRICITY GENERATED BY THE ALTERNATIVE
28 ENERGY GENERATING SYSTEM IS USED TO OFFSET PART OR ALL OF THE
29 CUSTOMER-GENERATOR'S REQUIREMENTS FOR ELECTRICITY. VIRTUAL METER
30 AGGREGATION ON PROPERTIES OWNED OR LEASED AND OPERATED BY A

1 CUSTOMER-GENERATOR AND LOCATED WITHIN TWO MILES OF THE
2 BOUNDARIES OF THE CUSTOMER-GENERATOR'S PROPERTY AND WITHIN A
3 SINGLE ELECTRIC DISTRIBUTION COMPANY'S SERVICE TERRITORY SHALL
4 BE ELIGIBLE FOR NET METERING. AT THE END OF EACH MONTHLY BILLING
5 PERIOD, THE ELECTRIC DISTRIBUTION COMPANY SHALL COMPENSATE THE
6 CUSTOMER-GENERATOR FOR KILOWATT-HOURS GENERATED BY THE CUSTOMER-
7 GENERATOR OVER THE AMOUNT OF KILOWATT HOURS DELIVERED BY THE
8 ELECTRIC DISTRIBUTION COMPANY DURING THE BILLING PERIOD AT THE
9 ELECTRIC DISTRIBUTION COMPANY'S AVOIDED COST OF WHOLESALE POWER.
10 NO CONTRACT SHALL ABROGATE THE CUSTOMER-GENERATOR'S RIGHT TO
11 RECEIVE THESE PAYMENTS. NO CUSTOMER GENERATOR SHALL OPERATE MORE
12 THAN ONE ALTERNATIVE ENERGY PROJECT THAT IS ENGAGED IN VIRTUAL
13 METER AGGREGATION WITHIN EACH OF THE ELECTRIC DISTRIBUTION
14 COMPANY'S SERVICE TERRITORIES.

15 * * *

16 SECTION 2. SECTION 3(B) AND (F) OF THE ACT ARE AMENDED AND
17 SUBSECTION (E) IS AMENDED BY ADDING A PARAGRAPH TO READ:

18 SECTION 3. ALTERNATIVE ENERGY PORTFOLIO STANDARDS.

19 * * *

20 (B) TIER I AND SOLAR PHOTOVOLTAIC SHARES.--

21 (1) TWO YEARS AFTER THE EFFECTIVE DATE OF THIS ACT, AT
22 LEAST 1.5% OF THE ELECTRIC ENERGY SOLD BY AN ELECTRIC
23 DISTRIBUTION COMPANY OR ELECTRIC GENERATION SUPPLIER TO
24 RETAIL ELECTRIC CUSTOMERS IN THIS COMMONWEALTH SHALL BE
25 GENERATED FROM TIER I ALTERNATIVE ENERGY SOURCES. EXCEPT AS
26 PROVIDED IN THIS SECTION, THE MINIMUM PERCENTAGE OF ELECTRIC
27 ENERGY REQUIRED TO BE SOLD TO RETAIL ELECTRIC CUSTOMERS FROM
28 ALTERNATIVE ENERGY SOURCES SHALL INCREASE TO 2% THREE YEARS
29 AFTER THE EFFECTIVE DATE OF THIS ACT. THE MINIMUM PERCENTAGE
30 OF ELECTRIC ENERGY REQUIRED TO BE SOLD TO RETAIL ELECTRIC

1 CUSTOMERS FROM ALTERNATIVE ENERGY SOURCES SHALL INCREASE BY
2 AT LEAST 0.5% EACH YEAR SO THAT AT LEAST 8% OF THE ELECTRIC
3 ENERGY SOLD BY AN ELECTRIC DISTRIBUTION COMPANY OR ELECTRIC
4 GENERATION SUPPLIER TO RETAIL ELECTRIC CUSTOMERS IN THAT
5 CERTIFICATED TERRITORY IN THE 15TH YEAR AFTER THE EFFECTIVE
6 DATE OF THIS SUBSECTION IS SOLD FROM TIER I ALTERNATIVE
7 ENERGY RESOURCES.

8 (2) [OF THE ELECTRIC ENERGY REQUIRED TO BE SOLD FROM
9 TIER I SOURCES, THE TOTAL PERCENTAGE THAT MUST BE SOLD FROM
10 SOLAR PHOTOVOLTAIC TECHNOLOGIES IS FOR:] THE TOTAL PERCENTAGE
11 OF THE ELECTRIC ENERGY SOLD BY AN ELECTRIC DISTRIBUTION
12 COMPANY OR ELECTRIC GENERATION SUPPLIER TO RETAIL ELECTRIC
13 CUSTOMERS IN THIS COMMONWEALTH THAT MUST BE SOLD FROM SOLAR
14 PHOTOVOLTAIC TECHNOLOGIES IS:

15 [(I) YEARS 1 THROUGH 4 - 0.0013%.

16 (II) YEARS 5 THROUGH 9 - 0.0203%.

17 (III) YEARS 10 THROUGH 14 - 0.2500%.

18 (IV) YEARS 15 AND THEREAFTER - 0.5000%.]

19 (I) 0.0013% FOR JUNE 1, 2006, THROUGH MAY 31, 2007.

20 (II) 0.0030% FOR JUNE 1, 2007, THROUGH MAY 31, 2008.

21 (III) 0.0063% FOR JUNE 1, 2008, THROUGH MAY 31,

22 2009.

23 (IV) 0.0120% FOR JUNE 1, 2009, THROUGH MAY 31, 2010.

24 (V) 0.0203% FOR JUNE 1, 2010, THROUGH MAY 31, 2011.

25 (VI) 0.0325% FOR JUNE 1, 2011, THROUGH MAY 31, 2012.

26 (VII) 0.0510% FOR JUNE 1, 2012, THROUGH MAY 31,

27 2013.

28 (VIII) 0.0840% FOR JUNE 1, 2013, THROUGH MAY 31,

29 2014.

30 (IX) 0.1440% FOR JUNE 1, 2014, THROUGH MAY 31, 2015.

1 (X) 0.2500% FOR JUNE 1, 2015, THROUGH MAY 31, 2016.

2 (XI) 0.2933% FOR JUNE 1, 2016, THROUGH MAY 31, 2017.

3 (XII) 0.3400% FOR JUNE 1, 2017, THROUGH MAY 31,
4 2018.

5 (XIII) 0.3900% FOR JUNE 1, 2018, THROUGH MAY 31,
6 2019.

7 (XIV) 0.4433% FOR JUNE 1, 2019, THROUGH MAY 31,
8 2020.

9 (XV) 0.5000% FOR JUNE 1, 2020, AND THEREAFTER.

10 (3) UPON COMMENCEMENT OF THE BEGINNING OF THE 6TH
11 REPORTING YEAR, THE COMMISSION SHALL UNDERTAKE A REVIEW OF
12 THE COMPLIANCE BY ELECTRIC DISTRIBUTION COMPANIES AND
13 ELECTRIC GENERATION SUPPLIERS WITH THE REQUIREMENTS OF THIS
14 ACT. THE REVIEW SHALL ALSO INCLUDE THE STATUS OF ALTERNATIVE
15 ENERGY TECHNOLOGIES WITHIN THIS COMMONWEALTH AND THE CAPACITY
16 TO ADD ADDITIONAL ALTERNATIVE ENERGY RESOURCES. THE
17 COMMISSION SHALL USE THE RESULTS OF THIS REVIEW TO RECOMMEND
18 TO THE GENERAL ASSEMBLY ADDITIONAL COMPLIANCE GOALS BEYOND
19 YEAR 15. THE COMMISSION SHALL WORK WITH THE DEPARTMENT IN
20 EVALUATING THE FUTURE ALTERNATIVE ENERGY RESOURCE POTENTIAL.

21 * * *

22 (E) ALTERNATIVE ENERGY CREDITS.--

23 * * *

24 (12) (I) UNLESS A CONTRACTUAL PROVISION EXPLICITLY
25 ASSIGNS ALTERNATIVE ENERGY CREDITS IN A DIFFERENT MANNER,
26 THE OWNER OF THE ALTERNATIVE ENERGY SYSTEM OR A CUSTOMER-
27 GENERATOR OWNS ANY AND ALL ALTERNATIVE ENERGY CREDITS
28 ASSOCIATED WITH OR CREATED BY THE PRODUCTION OF ELECTRIC
29 ENERGY BY SUCH FACILITY OR CUSTOMER, AND THE OWNER OR
30 CUSTOMER SHALL BE ENTITLED TO SELL, TRANSFER OR TAKE ANY

1 OTHER ACTION TO WHICH A LEGAL OWNER OF PROPERTY IS
2 ENTITLED TO TAKE WITH RESPECT TO THE CREDITS.

3 (II) THIS PARAGRAPH SHALL APPLY TO ALL ALTERNATIVE
4 ENERGY CREDITS CREATED PURSUANT TO THIS ACT EXCEPT THOSE
5 CREATED UNDER CONTRACTS WHICH WERE EXECUTED PRIOR TO THE
6 EFFECTIVE DATE OF THIS PARAGRAPH BETWEEN AN ELECTRIC
7 DISTRIBUTION COMPANY AND A COGENERATION FACILITY OR A
8 SMALL POWER PRODUCTION FACILITY AS THOSE TERMS ARE
9 DEFINED UNDER THE FEDERAL PUBLIC UTILITY REGULATORY
10 POLICIES ACT OF 1978 (16 U.S.C. § 824A-3).

11 (F) ALTERNATIVE COMPLIANCE PAYMENT.--

12 (1) AT THE END OF EACH PROGRAM YEAR, THE PROGRAM
13 ADMINISTRATOR SHALL PROVIDE A REPORT TO THE COMMISSION AND TO
14 EACH COVERED ELECTRIC DISTRIBUTION COMPANY SHOWING THEIR
15 STATUS LEVEL OF ALTERNATIVE ENERGY ACQUISITION.

16 (2) THE COMMISSION SHALL CONDUCT A REVIEW OF EACH
17 DETERMINATION MADE UNDER SUBSECTIONS (B) AND (C). IF, AFTER
18 NOTICE AND HEARING, THE COMMISSION DETERMINES THAT AN
19 ELECTRIC DISTRIBUTION COMPANY OR ELECTRIC GENERATION SUPPLIER
20 HAS FAILED TO COMPLY WITH SUBSECTIONS (B) AND (C), THE
21 COMMISSION SHALL IMPOSE AN ALTERNATIVE COMPLIANCE PAYMENT ON
22 THAT COMPANY OR SUPPLIER.

23 (3) THE ALTERNATIVE COMPLIANCE PAYMENT, WITH THE
24 EXCEPTION OF THE SOLAR PHOTOVOLTAIC SHARE COMPLIANCE
25 REQUIREMENT SET FORTH IN SUBSECTION (B)(2), SHALL BE \$45
26 TIMES THE NUMBER OF ADDITIONAL ALTERNATIVE ENERGY CREDITS
27 NEEDED IN ORDER TO COMPLY WITH SUBSECTION (B) OR (C).

28 (4) THE ALTERNATIVE COMPLIANCE PAYMENT FOR THE SOLAR
29 PHOTOVOLTAIC SHARE SHALL BE 200% OF THE AVERAGE MARKET VALUE
30 OF SOLAR RENEWABLE ENERGY CREDITS SOLD DURING THE REPORTING

1 PERIOD WITHIN THE SERVICE REGION OF THE REGIONAL TRANSMISSION
2 ORGANIZATION, INCLUDING, WHERE APPLICABLE, THE LEVELIZED UP-
3 FRONT REBATES RECEIVED BY SELLERS OF SOLAR RENEWABLE ENERGY
4 CREDITS IN OTHER JURISDICTIONS IN THE PJM INTERCONNECTION,
5 L.L.C. TRANSMISSION ORGANIZATION (PJM) OR ITS SUCCESSOR.

6 (5) THE COMMISSION SHALL ESTABLISH A PROCESS TO PROVIDE
7 FOR, AT LEAST ANNUALLY, A REVIEW OF THE ALTERNATIVE ENERGY
8 MARKET WITHIN THIS COMMONWEALTH AND THE SERVICE TERRITORIES
9 OF THE REGIONAL TRANSMISSION ORGANIZATIONS THAT MANAGE THE
10 TRANSMISSION SYSTEM IN ANY PART OF THIS COMMONWEALTH. THE
11 COMMISSION WILL USE THE RESULTS OF THIS STUDY TO IDENTIFY ANY
12 NEEDED CHANGES TO THE COST ASSOCIATED WITH THE ALTERNATIVE
13 COMPLIANCE PAYMENT PROGRAM. IF THE COMMISSION FINDS THAT THE
14 COSTS ASSOCIATED WITH THE ALTERNATIVE COMPLIANCE PAYMENT
15 PROGRAM MUST BE CHANGED, THE COMMISSION SHALL PRESENT THESE
16 FINDINGS TO THE GENERAL ASSEMBLY FOR LEGISLATIVE ENACTMENT.

17 * * *

18 SECTION 3. SECTIONS 4 AND 5 OF THE ACT ARE AMENDED TO READ:

19 SECTION 4. PORTFOLIO REQUIREMENTS IN OTHER STATES.

20 IF AN ELECTRIC DISTRIBUTION SUPPLIER OR ELECTRIC GENERATION
21 COMPANY PROVIDER SELLS ELECTRICITY IN ANY OTHER STATE AND IS
22 SUBJECT TO RENEWABLE ENERGY PORTFOLIO REQUIREMENTS IN THAT
23 STATE, THEY SHALL LIST ANY SUCH REQUIREMENT AND SHALL INDICATE
24 HOW IT SATISFIED THOSE RENEWABLE ENERGY PORTFOLIO REQUIREMENTS.
25 TO PREVENT DOUBLE-COUNTING, THE ELECTRIC DISTRIBUTION SUPPLIER
26 OR ELECTRIC GENERATION COMPANY SHALL NOT SATISFY PENNSYLVANIA'S
27 ALTERNATIVE ENERGY PORTFOLIO REQUIREMENTS USING ALTERNATIVE
28 ENERGY USED TO SATISFY ANOTHER STATE'S PORTFOLIO REQUIREMENTS[.
29 ENERGY DERIVED ONLY FROM ALTERNATIVE ENERGY SOURCES INSIDE THE
30 GEOGRAPHICAL BOUNDARIES OF THIS COMMONWEALTH OR WITHIN THE

1 SERVICE TERRITORY OF ANY REGIONAL TRANSMISSION ORGANIZATION THAT
2 MANAGES THE TRANSMISSION SYSTEM IN ANY PART OF THIS COMMONWEALTH
3 SHALL BE ELIGIBLE TO MEET THE COMPLIANCE REQUIREMENTS UNDER THIS
4 ACT.] OR ALTERNATIVE ENERGY CREDITS ALREADY PURCHASED BY
5 INDIVIDUALS, BUSINESSES, OR GOVERNMENT BODIES THAT DO NOT HAVE A
6 COMPLIANCE OBLIGATION UNDER THIS ACT UNLESS THE INDIVIDUAL,
7 BUSINESS OR GOVERNMENT BODY SELLS THOSE CREDITS TO THE ELECTRIC
8 DISTRIBUTION COMPANY OR ELECTRIC GENERATION SUPPLIER. ENERGY
9 DERIVED FROM ALTERNATIVE ENERGY SOURCES INSIDE THE GEOGRAPHICAL
10 BOUNDARIES OF THIS COMMONWEALTH SHALL BE ELIGIBLE TO MEET THE
11 COMPLIANCE REQUIREMENTS UNDER THIS ACT. ENERGY DERIVED FROM
12 ALTERNATIVE ENERGY SOURCES LOCATED OUTSIDE THE GEOGRAPHICAL
13 BOUNDARIES OF THIS COMMONWEALTH BUT WITHIN THE SERVICE TERRITORY
14 OF A REGIONAL TRANSMISSION ORGANIZATION THAT MANAGES THE
15 TRANSMISSION SYSTEM IN ANY PART OF THIS COMMONWEALTH SHALL ONLY
16 BE ELIGIBLE TO MEET THE COMPLIANCE REQUIREMENTS OF ELECTRIC
17 DISTRIBUTION COMPANIES OR ELECTRIC GENERATION SUPPLIERS LOCATED
18 WITHIN THE SERVICE TERRITORY OF THE SAME REGIONAL TRANSMISSION
19 ORGANIZATION. FOR PURPOSES OF COMPLIANCE WITH THIS ACT,
20 ALTERNATIVE ENERGY SOURCES LOCATED IN THE PJM INTERCONNECTION,
21 L.L.C. REGIONAL TRANSMISSION ORGANIZATION (PJM) OR ITS SUCCESSOR
22 SERVICE TERRITORY SHALL BE ELIGIBLE TO FULFILL COMPLIANCE
23 OBLIGATIONS OF PIKE COUNTY LIGHT AND POWER COMPANY AND
24 PENNSYLVANIA POWER COMPANY. ENERGY DERIVED FROM ALTERNATIVE
25 ENERGY SOURCES LOCATED OUTSIDE THE SERVICE TERRITORY OF A
26 REGIONAL TRANSMISSION ORGANIZATION THAT MANAGES THE TRANSMISSION
27 SYSTEM IN ANY PART OF THIS COMMONWEALTH SHALL NOT BE ELIGIBLE TO
28 MEET THE COMPLIANCE REQUIREMENTS OF THIS ACT. ELECTRIC
29 DISTRIBUTION COMPANIES AND ELECTRIC GENERATION SUPPLIERS SHALL
30 DOCUMENT THAT THIS ENERGY WAS NOT USED TO SATISFY ANOTHER

1 STATE'S RENEWABLE ENERGY PORTFOLIO STANDARDS.

2 SECTION 5. INTERCONNECTION STANDARDS FOR CUSTOMER-GENERATOR
3 FACILITIES.

4 EXCESS GENERATION FROM NET-METERED CUSTOMER-GENERATORS SHALL
5 BE "TRUED-UP" ON AN ANNUAL BASIS. THE COMMISSION SHALL DEVELOP
6 TECHNICAL AND NET METERING INTERCONNECTION RULES FOR CUSTOMER-
7 GENERATORS INTENDING TO OPERATE RENEWABLE ONSITE GENERATORS IN
8 PARALLEL WITH THE ELECTRIC UTILITY GRID, CONSISTENT WITH RULES
9 DEFINED IN OTHER STATES WITHIN THE SERVICE REGION OF THE
10 REGIONAL TRANSMISSION ORGANIZATION THAT MANAGES THE TRANSMISSION
11 SYSTEM IN ANY PART OF THIS COMMONWEALTH. THE COMMISSION SHALL
12 CONVENE A STAKEHOLDER PROCESS TO DEVELOP STATEWIDE TECHNICAL AND
13 NET METERING RULES FOR CUSTOMER-GENERATORS. THE COMMISSION SHALL
14 DEVELOP THESE RULES WITHIN NINE MONTHS OF THE EFFECTIVE DATE OF
15 THIS ACT.

16 SECTION 4. THIS ACT SHALL TAKE EFFECT IMMEDIATELY.