

THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 2277 Session of 2024

INTRODUCED BY OTTEN, HOWARD, SAPPEY, SCHLOSSBERG, KINSEY, HOHENSTEIN, MALAGARI, HILL-EVANS, FIEDLER, DONAHUE, KRUEGER, D. WILLIAMS, ABNEY, DALEY, CEPEDA-FREYTIZ, BENHAM, GIRAL, FRIEL, ROZZI, TAKAC, ISAACSON, PASHINSKI, PROKOPIAK, FRANKEL, WAXMAN, KIM, VITALI, GUENST, SALISBURY, BRIGGS, SHUSTERMAN, WEBSTER, YOUNG, SIEGEL, KRAJEWSKI, CIRESI, HADDOCK, CONKLIN, MUNROE, McNEILL, SANCHEZ, DAWKINS, O'MARA, BOROWSKI, PIELLI, BOYD, KINKEAD, SCOTT, N. NELSON, T. DAVIS, MULLINS, KHAN, HANBIDGE, BRENNAN, GREEN, SCHWEYER, STEELE, MADDEN, WARREN, McCLINTON, FREEMAN, BRADFORD, HARRIS AND BIZZARRO, MAY 8, 2024

REFERRED TO COMMITTEE ON ENVIRONMENTAL RESOURCES AND ENERGY, MAY 8, 2024

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; providing for force
 9 majeure; further providing for alternative energy portfolio
 10 standards, for portfolio requirements in other states, for
 11 health and safety standards and for interagency
 12 responsibilities; providing for zero emission credits; and
 13 making editorial changes.

14 The General Assembly of the Commonwealth of Pennsylvania
 15 hereby enacts as follows:

16 Section 1. Sections 1 and 2 of the act of November 30, 2004
 17 (P.L.1672, No.213), known as the Alternative Energy Portfolio
 18 Standards Act, are amended to read:

1 Section 1. Short title.

2 This act shall be known and may be cited as the [Alternative
3 Energy Portfolio] Pennsylvania Reliable Energy Sustainability
4 Standards Act.

5 Section 2. Definitions.

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

9 "Advanced reactor. A nuclear fission reactor consistent with
10 the definition of "advanced nuclear reactor" in 42 U.S.C. §
11 16271 (relating to nuclear energy). The term includes a small
12 modular reactor.

13 ["Alternative energy credit." A tradable instrument that is
14 used to establish, verify and monitor compliance with this act.
15 A unit of credit shall equal one megawatt hour of electricity
16 from an alternative energy source. The alternative energy credit
17 shall remain the property of the alternative energy system until
18 the alternative energy credit is voluntarily transferred by the
19 alternative energy system. (Def. amended July 17, 2007, P.L.114,
20 No.35)

21 "Alternative energy portfolio standards." Standards
22 establishing that a certain amount of energy sold from
23 alternative energy sources is included as part of the sources of
24 electric generation by electric utilities within this
25 Commonwealth.

26 "Alternative energy sources." The term shall include the
27 following existing and new sources for the production of
28 electricity:

29 (1) Solar photovoltaic or other solar electric energy.

30 (2) Solar thermal energy.

1 (3) Wind power.

2 (4) Large-scale hydropower, which shall mean the
3 production of electric power by harnessing the hydroelectric
4 potential of moving water impoundments, including pumped
5 storage that does not meet the requirements of low-impact
6 hydropower under paragraph (5).

7 (5) Low-impact hydropower consisting of any technology
8 that produces electric power and that harnesses the
9 hydroelectric potential of moving water impoundments,
10 provided such incremental hydroelectric development:

11 (i) does not adversely change existing impacts to
12 aquatic systems;

13 (ii) meets the certification standards established
14 by the Low Impact Hydropower Institute and American
15 Rivers, Inc., or their successors;

16 (iii) provides an adequate water flow for protection
17 of aquatic life and for safe and effective fish passage;

18 (iv) protects against erosion; and

19 (v) protects cultural and historic resources.

20 (6) Geothermal energy, which shall mean electricity
21 produced by extracting hot water or steam from geothermal
22 reserves in the earth's crust and supplied to steam turbines
23 that drive generators to produce electricity.

24 (7) Biomass energy, which shall mean the generation of
25 electricity utilizing the following:

26 (i) organic material from a plant that is grown for
27 the purpose of being used to produce electricity or is
28 protected by the Federal Conservation Reserve Program
29 (CRP) and provided further that crop production on CRP
30 lands does not prevent achievement of the water quality

1 protection, soil erosion prevention or wildlife
2 enhancement purposes for which the land was primarily set
3 aside; or

4 (ii) any solid nonhazardous, cellulosic waste
5 material that is segregated from other waste materials,
6 such as waste pallets, crates and landscape or right-of-
7 way tree trimmings or agricultural sources, including
8 orchard tree crops, vineyards, grain, legumes, sugar and
9 other crop by-products or residues.

10 (8) Biologically derived methane gas, which shall
11 include methane from the anaerobic digestion of organic
12 materials from yard waste, such as grass clippings and
13 leaves, food waste, animal waste and sewage sludge. The term
14 also includes landfill methane gas.

15 (9) Fuel cells, which shall mean any electrochemical
16 device that converts chemical energy in a hydrogen-rich fuel
17 directly into electricity, heat and water without combustion.

18 (10) Waste coal, which shall include the combustion of
19 waste coal in facilities in which the waste coal was disposed
20 or abandoned prior to July 31, 1982, or disposed of
21 thereafter in a permitted coal refuse disposal site
22 regardless of when disposed of, and used to generate
23 electricity, or such other waste coal combustion meeting
24 alternate eligibility requirements established by regulation.
25 Facilities combusting waste coal shall use at a minimum a
26 combined fluidized bed boiler and be outfitted with a
27 limestone injection system and a fabric filter particulate
28 removal system. Alternative energy credits shall be
29 calculated based upon the proportion of waste coal utilized
30 to produce electricity at the facility.

1 (11) Coal mine methane, which shall mean methane gas
2 emitting from abandoned or working coal mines.

3 (12) Demand-side management consisting of the management
4 of customer consumption of electricity or the demand for
5 electricity through the implementation of:

6 (i) energy efficiency technologies, management
7 practices or other strategies in residential, commercial,
8 institutional or government customers that reduce
9 electricity consumption by those customers;

10 (ii) load management or demand response
11 technologies, management practices or other strategies in
12 residential, commercial, industrial, institutional and
13 government customers that shift electric load from
14 periods of higher demand to periods of lower demand; or

15 (iii) industrial by-product technologies consisting
16 of the use of a by-product from an industrial process,
17 including the reuse of energy from exhaust gases or other
18 manufacturing by-products that are used in the direct
19 production of electricity at the facility of a customer.

20 (13) Distributed generation system, which shall mean the
21 small-scale power generation of electricity and useful
22 thermal energy.

23 "Alternative energy system." A facility or energy system
24 that uses a form of alternative energy source to generate
25 electricity and delivers the electricity it generates to the
26 distribution system of an electric distribution company or to
27 the transmission system operated by a regional transmission
28 organization.]

29 "Biogas energy." The generation of electricity that uses:

30 (1) biogas resultant of anaerobic digestion of organic

1 material, including yard waste such as grass clippings and
2 leaves, food waste, animal waste and sewage sludge; or

3 (2) landfill gas.

4 "Biomass energy." The generation of electricity that uses:

5 (1) organic material from a plant that is grown for the
6 purpose of being used to produce electricity or is protected
7 by the Federal Conservation Reserve Program (CRP), and
8 provided that crop production on CRP lands does not prevent
9 achievement of the water quality protection, soil erosion
10 prevention or wildlife enhancement purposes for which the
11 land is primarily set aside; or

12 (2) any solid nonhazardous, cellulosic waste material
13 that is segregated from other waste material, such as waste
14 pallets, crates and landscape or right-of-way tree trimmings
15 or agricultural sources, including orchard tree crops,
16 vineyards, grain, legumes, sugar and other crop by-products
17 or residues.

18 "Clean hydrogen." Hydrogen produced through a process that
19 results in a lifecycle greenhouse gas emissions rate of less
20 than 0.45 kilograms of CO₂e per kilogram of hydrogen.

21 "Coal mine fugitive emissions." Methane gas emitted from an
22 abandoned or working coal mine.

23 "Combined heat and power system." A combined heat and power
24 system installed on a commercial, institutional or industrial
25 facility site within this Commonwealth that is a qualified
26 facility under the Public Utility Regulatory Policies Act of
27 1978 (Public Law 95-617, 92 Stat. 3117) and has an annual
28 operating efficiency of at least 60% with at least 25% of the
29 total annual energy output being useful thermal energy. A
30 combined heat and power system shall qualify as a Tier II PRESS

1 energy source for up to 25 megawatts of aggregate electric
2 nameplate capacity on a site.

3 "Commission." The Pennsylvania Public Utility Commission.

4 ["Cost-recovery period." The longer of:

5 (1) the period during which competitive transition
6 charges under 66 Pa.C.S § 2808 (relating to competitive
7 transition charge) or intangible transition charges under 66
8 Pa.C.S. § 2812 (relating to approval of transition bonds) are
9 recovered; or

10 (2) the period during which an electric distribution
11 company operates under a Pennsylvania Public Utility
12 Commission-approved generation rate plan that has been
13 approved prior to or within one year of the effective date of
14 this act, but in no case shall the cost-recovery period under
15 this act extend beyond December 31, 2010.]

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

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

4 "Demand-side management." The management of customer
5 consumption of electricity or the demand for electricity through
6 the implementation of:

7 (1) energy efficiency technologies, management practices
8 or other strategies in residential, commercial, institutional
9 or government customers that reduce electricity consumption
10 by those customers;

11 (2) load management or demand response technologies,
12 management practices or other strategies in residential,
13 commercial, industrial, institutional and government
14 customers that shift electric load from periods of higher
15 demand to periods of lower demand; or

16 (3) industrial by-product technologies consisting of the
17 use of a by-product from an industrial process, including the
18 reuse of energy from exhaust gases or other manufacturing by-
19 products that are used in the direct production of
20 electricity at the facility of a customer.

21 "Department." The Department of Environmental Protection of
22 the Commonwealth.

23 "Distributed generation system." Small-scale power
24 generation of electricity, not including combined heat and
25 power.

26 "Electric distribution company." The term shall have the
27 same meaning given to it in 66 Pa.C.S. Ch. 28 (relating to
28 restructuring of electric utility industry).

29 "Electric generation supplier." The term shall have the same
30 meaning given to it in 66 Pa.C.S. Ch. 28 (relating to

1 restructuring of electric utility industry).

2 "Environmental justice area." A geographic area
3 characterized by increased pollution burden and sensitive or
4 vulnerable populations based on demographic and environmental
5 data as identified by the department.

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

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

23 The determination made by the commission under section 2.1.

24 "Fuel cells." A device that converts chemical energy in a
25 hydrogen-rich fuel directly into electricity, heat and water
26 without combustion.

27 "Fusion energy." The product of fusion reactions inside a
28 fusion device and used to generate electricity.

29 "Geothermal energy." The utilization of natural heat of the
30 earth found below the surface of the earth, which is then used

1 to generate electricity. The term includes:

2 (1) A product of geothermal process such as heat,
3 indigenous steam, pressure, hot water and hot brines, gases
4 and byproducts.

5 (2) Energy from a geothermal heating and cooling system.
6 The term does not include helium, oil, hydrocarbon gas or any
7 other hydrocarbon substances.

8 "Geothermal heating and cooling system." A system that:

9 (1) Exchanges thermal energy from groundwater or a
10 shallow ground source to generate thermal energy through an
11 electric geothermal heat pump or a system of electric
12 geothermal heat pumps interconnected with a geothermal
13 extraction facility that:

14 (i) Is a closed loop or a series of closed loop
15 systems in which fluid is permanently confined within a
16 pipe or tubing.

17 (ii) Does not come in contact with the outside
18 environment or an open loop system in which ground or
19 surface water is:

20 (A) circulated in an environmentally safe manner
21 directly into the facility; and

22 (B) returned to the same aquifer or surface
23 water source.

24 (2) Meets or exceeds the current Federal Energy Star
25 product specification standards.

26 (3) Replaces or displaces less efficient space or water
27 heating systems, regardless of fuel type.

28 (4) Replaces or displaces less efficient space cooling
29 systems that do not meet Federal Energy Star product
30 specification standards.

1 (5) Does not feed electricity back to the grid.
2 "Hydropower." The production of electric power by harnessing
3 the hydroelectric potential of moving water impoundments,
4 including pumped storage that does not meet the requirements of
5 low-impact hydropower.

6 "Low-impact hydropower." Technology that produces electric
7 power and harnesses the hydroelectric potential of moving water
8 impoundments, provided that the incremental hydroelectric
9 development:

10 (1) Does not adversely change existing impacts to
11 aquatic systems.

12 (2) Meets the certification standards established by the
13 Low Impact Hydropower Institute and American Rivers, Inc., or
14 its successors.

15 (3) Provides an adequate water flow for protection of
16 aquatic life and for safe and effective fish passage.

17 (4) Protects against erosion.

18 (5) Protects cultural and historic resources.

19 "Lifecycle greenhouse gas emissions." The term shall have
20 the same meaning as defined in 26 U.S.C. § 45V(c) (relating to
21 credit for production of clean hydrogen).

22 "Municipal solid waste." This will include energy from
23 existing waste to energy facilities which the Department of
24 Environmental Protection has determined are in compliance with
25 current environmental standards, including, but not limited to,
26 all applicable requirements of the Clean Air Act (69 Stat. 322,
27 42 U.S.C. § 7401 et seq.) and associated permit restrictions and
28 all applicable requirements of the act of July 7, 1980 (P.L.380,
29 No.97), known as the Solid Waste Management Act.

30 "Net metering." The means of measuring the difference

1 between the electricity supplied by an electric utility and the
2 electricity generated by a customer-generator when any portion
3 of the electricity generated by the [alternative] PRESS energy
4 [generating] system is used to offset part or all of the
5 customer-generator's requirements for electricity. [Virtual] The
6 term includes virtual meter aggregation on properties owned or
7 leased and operated by a customer-generator and located within
8 two miles of the boundaries of the customer-generator's property
9 and within a single electric distribution company's service
10 territory [shall be eligible for net metering].

11 "PRESS energy sources." The term shall include existing and
12 new sources for the production of electricity including Tier I,
13 Tier II and Tier III PRESS energy sources.

14 "PRESS energy system." A facility or energy system that uses
15 a form of PRESS energy source to generate electricity and
16 delivers the electricity generated to the distribution system of
17 an electric distribution company or to the transmission system
18 operated by a regional transmission organization.

19 "Regional transmission organization." An entity approved by
20 the Federal Energy Regulatory Commission [(FERC)] that is
21 created to operate and manage the electrical transmission grids
22 of the member electric transmission utilities as required under
23 [FERC] Federal Energy Regulatory Commission Order 2000, Docket
24 No. RM99-2-000, [FERC] Federal Energy Regulatory Commission
25 Chapter 31.089 (1999) or any successor organization approved by
26 the [FERC] Federal Energy Regulatory Commission.

27 "Reliable energy credit." A tradable instrument that is used
28 to establish, verify and monitor compliance with this act. A
29 unit of credit shall equal one megawatt hour of electricity from
30 a PRESS energy source. The reliable energy credit shall remain

1 the property of the reliable energy system until the reliable
2 energy credit is voluntarily transferred by the reliable energy
3 system.

4 "Reliable energy standards." Standards establishing that a
5 certain amount of energy sold from PRESS energy sources is
6 included as part of the sources of electric generation by
7 electric utilities within this Commonwealth.

8 "Reporting period." The 12-month period from June 1 through
9 May 31. A reporting year shall be numbered according to the
10 calendar year in which it begins and ends.

11 "Retail electric customer." The term shall have the same
12 meaning given to it in 66 Pa.C.S. Ch. 28 (relating to
13 restructuring of electric utility industry).

14 "Small modular reactors." An advanced nuclear reactor with a
15 rated capacity of less than 300 electrical megawatts that can be
16 constructed and operated in combination with similar reactors at
17 a single site.

18 ["Tier I alternative energy source." Energy derived from:

19 (1) Solar photovoltaic and solar thermal energy.

20 (2) Wind power.

21 (3) Low-impact hydropower.

22 (4) Geothermal energy.

23 (5) Biologically derived methane gas.

24 (6) Fuel cells.

25 (7) Biomass energy.

26 (8) Coal mine methane.

27 "Tier II alternative energy source." Energy derived from:

28 (1) Waste coal.

29 (2) Distributed generation systems.

30 (3) Demand-side management.

- 1 (4) Large-scale hydropower.
- 2 (5) Municipal solid waste.
- 3 (6) Generation of electricity utilizing by-products of
- 4 the pulping process and wood manufacturing process, including
- 5 bark, wood chips, sawdust and lignin in spent pulping
- 6 liquors.

7 (7) Integrated combined coal gasification technology.]

8 "Tier I PRESS energy source." Electric energy derived from:

- 9 (1) Solar photovoltaic and solar thermal energy.
- 10 (2) Wind power.
- 11 (3) Low-impact hydropower.
- 12 (4) Geothermal energy.
- 13 (5) Advanced reactors.
- 14 (6) Fusion energy.
- 15 (7) Coal mine fugitive emissions.
- 16 (8) Biogas energy.

17 "Tier II PRESS energy source." Electric energy derived from:

- 18 (1) Natural gas or coal using 80% clean hydrogen co-
- 19 fired blend or equivalent carbon intensity reduction
- 20 technologies.
- 21 (2) Non-Tier I distributed generation systems.
- 22 (3) Demand-side management.
- 23 (4) Hydropower.
- 24 (5) Fuel cells.
- 25 (6) Biomass energy.
- 26 (7) Storage resources co-located with a Tier I PRESS
- 27 energy source with 10% nameplate capacity available every
- 28 hour for a 24-hour period.
- 29 (8) Combined heat and power.
- 30 (9) Tier I PRESS energy source that meets the

1 requirements of section 3(e)(16).

2 "Tier III PRESS energy source." Electric energy derived
3 from:

4 (1) Natural gas or coal using 20% clean hydrogen co-
5 fired blend or equivalent carbon reduction technologies.

6 (2) Waste coal.

7 (3) Municipal solid waste.

8 (4) Integrated combined coal gasification technology.

9 (5) Generation of electricity utilizing by-products of
10 the pulping process, including bark, wood chips, sawdust and
11 lignin in spent pulping liquors.

12 (6) Tier I PRESS energy source that meets the
13 requirements of section 3(e)(16).

14 "True-up period." The period each year from the end of the
15 reporting year until September 1.

16 "Virtual currency." A type of digital unit that is used as a
17 medium of exchange or a form of digitally stored value. The term
18 shall be broadly construed to include a digital unit of exchange
19 that:

20 (1) has a centralized repository or administrator;

21 (2) is decentralized and has no centralized repository
22 or administrator; or

23 (3) may be created or obtained by computing or
24 manufacturing effort.

25 "Waste coal." The combustion of waste coal in a facility:

26 (1) In which the waste coal was disposed or abandoned
27 prior to July 31, 1982, or disposed of thereafter in a
28 permitted coal refuse disposal site regardless of when
29 disposed of, and used to generate electricity, or such other
30 waste coal combustion meeting alternate eligibility

1 requirements established by regulation.

2 (2) That uses at a minimum a combined fluidized bed
3 boiler and is outfitted with a limestone injection system and
4 a fabric filter particulate removal system.

5 Reliable energy credits shall be calculated based upon the
6 proportion of waste coal utilized to produce electricity at the
7 facility.

8 "ZEC." A zero emission credit authorized under section 8.1.

9 Section 2. The act is amended by adding a section to read:

10 Section 2.1. Force majeure.

11 (a) Determination of commission.--

12 (1) Upon its own initiative or upon a request of an
13 electric distribution company or an electric generator
14 supplier, the commission shall determine if PRESS energy
15 resources are reasonably available in the marketplace in
16 sufficient quantities or are likely to be developed in
17 sufficient quantities due to alternative compliance payments
18 or economics for the electric distribution companies and
19 electric generation suppliers to meet their obligations for
20 that reporting period under this act.

21 (2) In making the determination under paragraph (1), the
22 commission shall consider whether electric distribution
23 companies or electric generation suppliers have made a good
24 faith effort to acquire sufficient PRESS energy to comply
25 with their obligations. The good faith efforts shall include,
26 but are not limited to, banking reliable energy credits
27 during their transition periods, seeking reliable energy
28 credits through competitive solicitations and seeking to
29 procure reliable energy credits or PRESS energy through long-
30 term contracts.

1 (3) In further making its determination, the commission
2 shall assess the availability of reliable energy credits in
3 the Generation Attributes Tracking System (GATS) or its
4 successor and the availability of reliable energy credits
5 generally in this Commonwealth and other jurisdictions in the
6 PJM Interconnection, LLC, regional transmission organization
7 (PJM) or its successor. The commission may also require
8 solicitations for reliable energy credits as part of default
9 service before requests of force majeure can be made.

10 (b) Modifications of obligations.--

11 (1) If the commission further determines that PRESS
12 energy resources are not reasonably available in sufficient
13 quantities in the marketplace for the electric distribution
14 companies and electric generation suppliers to meet their
15 obligations under this act, then the commission shall modify
16 the underlying obligation of the electric distribution
17 company or electric generation supplier or recommend to the
18 General Assembly that the underlying obligation be
19 eliminated.

20 (2) Commission modification of the electric distribution
21 company or electric generation supplier obligations under
22 this act shall be for that compliance period only. Commission
23 modification shall not automatically reduce the obligation
24 for subsequent compliance years.

25 (3) If the commission modifies the electric distribution
26 company or electric generation supplier obligations under
27 this act, the commission may require the electric
28 distribution company or electric generation supplier to
29 acquire additional reliable energy credits in subsequent
30 years equivalent to the obligation reduced due to a force

1 majeure declaration if the commission determines that
2 sufficient reliable energy credits exist in the marketplace.

3 Section 3. Sections 3, 4, 6 and 7 of the act are amended to
4 read:

5 Section 3. [Alternative energy portfolio] Pennsylvania reliable
6 energy sustainability standards.

7 (a) General compliance and cost recovery.--

8 (1) [From the effective date of this act through and
9 including the 15th year after enactment of this act and each
10 year thereafter,] Beginning February 28, 2005, the electric
11 energy sold by an electric distribution company or electric
12 generation supplier to retail electric customers in this
13 Commonwealth shall be comprised of electricity generated from
14 [alternative] PRESS energy sources and in the percentage
15 amounts as described under subsections (b), and (c) and
16 (c.1).

17 (2) Electric distribution companies and electric
18 generation suppliers shall satisfy [both] requirements [set
19 forth] specified in subsections (b), and (c) and (c.1),
20 provided, however, that an electric distribution company or
21 an electric generation supplier shall be excused from its
22 obligations under this section to the extent that the
23 commission determines that force majeure exists.

24 (3) All costs for:

25 (i) the purchase of electricity generated from
26 [alternative] PRESS energy sources, including the costs
27 of the regional transmission organization, in excess of
28 the regional transmission organization real-time
29 locational marginal pricing, or its successor, at the
30 delivery point of the [alternative] PRESS energy source

1 for the electrical production of the [alternative] PRESS
2 energy sources; and

3 (ii) [payments for alternative energy credits, in
4 both cases that are voluntarily acquired by an electric
5 distribution company during the cost recovery period on
6 behalf of its customers shall be deferred as a regulatory
7 asset by the electric distribution company and fully
8 recovered, with a return on the unamortized balance,
9 pursuant to an automatic energy adjustment clause under
10 66 Pa.C.S. § 1307 (relating to sliding scale of rates;
11 adjustments) as a cost of generation supply under 66
12 Pa.C.S. § 2807 (relating to duties of electric
13 distribution companies) in the first year after the
14 expiration of its cost-recovery period. After the cost-
15 recovery period,] any reasonable or prudent direct or
16 indirect costs for the purchase by electric distribution
17 of resources to comply with this section, including, but
18 not limited to, the purchase of electricity generated
19 from [alternative] PRESS energy sources, payments for
20 [alternative] reliable energy credits, cost of credits
21 banked, payments to any third party administrators for
22 performance under this act and costs levied by a regional
23 transmission organization to ensure that [alternative]
24 PRESS energy sources are reliable, shall be recovered on
25 a full and current basis pursuant to an automatic energy
26 adjustment clause under 66 Pa.C.S. § 1307 as a cost of
27 generation supply under 66 Pa.C.S. § 2807.

28 (b) Tier I and solar photovoltaic shares.--

29 (1) [Two years after the effective date of this act and
30 through May 31, 2025,] Beginning February 28, 2007, through

1 May 31, 2025, at least 1.5% of the electric energy sold by an
2 electric distribution company or electric generation supplier
3 to retail electric customers in this Commonwealth shall be
4 generated from Tier I [alternative] PRESS energy sources.
5 Except as provided in this section, the minimum percentage of
6 electric energy required to be sold to retail electric
7 customers from [alternative] Tier I PRESS energy sources
8 shall increase to 2% three years after the effective date of
9 this act. The minimum percentage of electric energy required
10 to be sold to retail electric customers from [alternative]
11 PRESS energy sources shall increase by at least 0.5% each
12 year so that at least 8% of the electric energy sold by an
13 electric distribution company or electric generation supplier
14 to retail electric customers in that certificated territory
15 in the 15th year after the effective date of this subsection
16 is sold from [alternative] Tier I PRESS energy resources.

17 (1.1) Beginning on June 1, 2025, at least 10.7% of
18 electric energy sold by an electric distribution company or
19 electric generation supplier to retail electric customers in
20 this Commonwealth shall be generated from Tier I PRESS energy
21 sources. Beginning on June 1, 2026, through May 31, 2035, the
22 minimum percentage of electric energy required to be sold to
23 retail electric customers from Tier I PRESS energy sources
24 shall increase by at least 2.7% each year so that at least
25 35% of the electric energy sold by an electric distribution
26 company or electric generation supplier to retail electric
27 customers in that certificated territory is sold from Tier I
28 PRESS energy resources by May 31, 2035.

29 (2) The total percentage of the electric energy sold by
30 an electric distribution company or electric generation

1 supplier to retail electric customers in this Commonwealth
2 that must be sold from solar photovoltaic technologies is:

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

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

5 (iii) 0.0063% for June 1, 2008, through May 31,
6 2009.

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

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

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

10 (vii) 0.0510% for June 1, 2012, through May 31,
11 2013.

12 (viii) 0.0840% for June 1, 2013, through May 31,
13 2014.

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

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

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

17 (xii) 0.3400% for June 1, 2017, through May 31,
18 2018.

19 (xiii) 0.3900% for June 1, 2018, through May 31,
20 2019.

21 (xiv) 0.4433% for June 1, 2019, through May 31,
22 2020.

23 (xv) 0.5000% for June 1, 2020, [and thereafter]
24 through May 31, 2030.

25 (3) Upon commencement of the beginning of the 6th
26 reporting year, the commission shall undertake a review of
27 the compliance by electric distribution companies and
28 electric generation suppliers with the requirements of this
29 act. The review shall also include the status of
30 [alternative] PRESS energy technologies within this

1 Commonwealth and the capacity to add additional [alternative]
2 PRESS energy resources. The commission shall use the results
3 of this review to recommend to the General Assembly
4 additional compliance goals beyond year 15. The commission
5 shall work with the department in evaluating the future
6 [alternative] PRESS energy resource potential.

7 (c) Tier II share.--Of the electrical energy required to be
8 sold from [alternative] PRESS energy sources identified in Tier
9 II, the percentage that must be from these technologies is for:

10 (1) Years 1 through 4 - 4.2%.

11 (2) Years 5 through 9 - 6.2%.

12 (3) Years 10 through 14 - 8.2%.

13 (4) Years 15 [and thereafter] through 19 - 10.0%.

14 (5) Beginning on June 1, 2025, through May 31, 2026, the
15 electrical energy required to be sold from PRESS energy
16 sources identified in Tier II, the percentage that shall be
17 from these technologies is 6%.

18 (6) Beginning June 1, 2026, through May 31, 2034, the
19 percentage that must be from these technologies shall
20 increase by 0.5% each year so that at least 10% of the
21 electric energy is sold from PRESS energy sources identified
22 in Tier II by May 31, 2034, and each year thereafter.

23 (c.1) Tier III share.--Of the electrical energy required to
24 be sold from PRESS energy sources identified in Tier III, the
25 percentage that must be from these technologies is:

26 (1) June 1, 2025, through May 31, 2028 - 3.8%.

27 (2) June 1, 2028, through May 31, 2031 - 4.4%.

28 (3) June 1, 2031, and thereafter - 5%.

29 (d) [Exemption during cost-recovery period.--Compliance with
30 subsections (a), (b) and (c) shall not be required for any

1 electric distribution company that has not reached the end of
2 its cost-recovery period or for electric generation supplier
3 sales in the service territory of an electric distribution
4 company that has not reached the end of its cost-recovery
5 period. At the conclusion of an electric distribution company's
6 cost-recovery period, this exception shall no longer apply, and
7 compliance shall be required at the percentages in effect at
8 that time. Electric distribution companies and electric
9 generation suppliers whose sales are exempted under this
10 subsection and who voluntarily sell electricity generated from
11 Tier I and Tier II sources during the cost-recovery period may
12 bank credits consistent with subsection (e) (7).] (Reserved).

13 (e) [Alternative] Reliable energy credits.--

14 (1) The commission shall establish [an alternative] a
15 reliable energy credits program as needed to implement this
16 act. The provision of services pursuant to this section shall
17 be exempt from the competitive procurement procedures of 62
18 Pa.C.S. (relating to procurement).

19 (2) The commission shall approve an independent entity
20 to serve as the [alternative] reliable energy credits program
21 administrator. The administrator shall have those powers and
22 duties assigned by commission regulations. [Such] The powers
23 and duties shall include, but not be limited to, the
24 following:

25 (i) To create and administer [an alternative] a
26 reliable energy credits certification, tracking and
27 reporting program. [This program should] The program
28 shall include, at a minimum, a process for qualifying
29 [alternative] PRESS energy systems and determining the
30 manner credits can be created, accounted for, transferred

1 and retired.

2 (ii) To submit reports to the commission at such
3 times and in such manner as the commission shall direct.

4 (3) All qualifying [alternative] PRESS energy systems
5 [must] shall include a qualifying meter to record the
6 cumulative electric production to verify the advanced energy
7 credit value. Qualifying meters will be approved by the
8 commission as defined in paragraph (4).

9 (4) (i) An electric distribution company or electric
10 generation supplier shall comply with the applicable
11 requirements of this section by purchasing sufficient
12 [alternative] reliable energy credits and submitting
13 documentation of compliance to the program administrator.

14 (ii) For purposes of this subsection, one
15 [alternative] reliable energy credit shall represent one
16 megawatt hour of qualified [alternative] electric
17 generation, whether self-generated, purchased along with
18 the electric commodity or separately through a tradable
19 instrument and otherwise meeting the requirements of
20 commission regulations and the program administrator.

21 (5) The [alternative] reliable energy credits program
22 shall include provisions requiring a reporting period [as
23 defined in section 2] for all covered entities under this
24 act. The [alternative] reliable energy credits program shall
25 also include a true-up period [as defined in section 2]. The
26 true-up period shall provide entities covered under this act
27 the ability to obtain the required number of [alternative]
28 reliable energy credits or to make up any shortfall of the
29 [alternative] reliable energy credits they may be required to
30 obtain to comply with this act. A force majeure provision

1 shall also be provided for under the true-up period
2 provisions.

3 (6) An electric distribution company and electric
4 generation supplier may bank or place in reserve
5 [alternative] reliable energy credits produced in one
6 reporting year for compliance in either or both of the two
7 subsequent reporting years, subject to the limitations [set
8 forth] specified in this subsection and provided that the
9 electric distribution company and electric generation
10 supplier are in compliance for all previous reporting years.
11 [In addition, the] The electric distribution company and
12 electric generation supplier shall demonstrate to the
13 satisfaction of the commission that [such] the credits:

14 (i) were in excess of the [alternative] reliable
15 energy credits needed for compliance in the year in which
16 they were generated and that [such] the excess credits
17 have not previously been used for compliance under this
18 act;

19 (ii) were produced by the generation of electrical
20 energy by [alternative] PRESS energy sources and sold to
21 retail customers during the year in which they were
22 generated; and

23 (iii) have not otherwise been nor will be sold,
24 retired, claimed or represented as part of satisfying
25 compliance with alternative or renewable energy portfolio
26 standards in other states.

27 [(7) An electric distribution company or an electric
28 generation supplier with sales that are exempted under
29 subsection (d) may bank credits for retail sales of
30 electricity generated from Tier I and Tier II sources made

1 prior to the end of the cost-recovery period and after the
2 effective date of this act. Bankable credits shall be limited
3 to credits associated with electricity sold from Tier I and
4 Tier II sources during a reporting year which exceeds the
5 volume of sales from such sources by an electric distribution
6 company or electric generation supplier during the 12-month
7 period immediately preceding the effective date of this act.
8 All credits banked under this subsection shall be available
9 for compliance with subsections (b) and (c) for no more than
10 two reporting years following the conclusion of the cost-
11 recovery period.]

12 (8) The commission or its designee shall develop a
13 registry of pertinent information regarding all available
14 [alternative] reliable energy credits, credit transactions
15 among electric distribution companies and electric generation
16 suppliers, the number of [alternative] reliable energy
17 credits sold or transferred and the price paid for the sale
18 or transfer of the credits. The registry shall provide
19 current information to electric distribution companies,
20 electric generation suppliers and the general public on the
21 status of [alternative] reliable energy credits created, sold
22 or transferred within this Commonwealth.

23 (9) The commission may impose an administrative fee on
24 [an alternative] a reliable energy credit transaction. The
25 amount of this fee may not exceed the actual direct cost of
26 processing the transaction by the [alternative] reliable
27 energy credits administrator. The commission [is authorized
28 to] may utilize up to 5% of the alternative compliance fees
29 generated under subsection (f) for administrative expenses
30 directly associated with this act.

1 (10) The commission shall establish regulations
2 governing the verification and tracking of energy efficiency
3 and demand-side management measures [pursuant to] under this
4 act, which shall include benefits to all utility customer
5 classes. When developing regulations, the commission [must]
6 shall give reasonable consideration to existing and proposed
7 regulations and rules in existence in the regional
8 transmission organizations that manage the transmission
9 system in any part of this Commonwealth. All verified
10 reductions shall accrue credits starting with the [passage]
11 enactment of this act.

12 (11) The commission shall [within 120 days of the
13 effective date of this act] not later than March 30, 2005,
14 develop a depreciation schedule for [alternative] reliable
15 energy credits created through demand-side management, energy
16 efficiency and load management technologies and shall develop
17 standards for tracking and verifying savings from energy
18 efficiency, load management and demand-side management
19 measures. The commission shall allow for a 60-day public
20 comment period and shall issue final standards within 30 days
21 of the close of the public comment period.

22 (12) Unless a contractual provision explicitly assigns
23 [alternative] reliable energy credits in a different manner,
24 the owner of the [alternative] reliable energy system or a
25 customer-generator owns any and all [alternative] reliable
26 energy credits associated with or created by the production
27 of electric energy by such facility or customer, and the
28 owner or customer shall be entitled to sell, transfer or take
29 any other action to which a legal owner of property is
30 entitled to take with respect to the credits.

1 (13) No PRESS energy system shall be eligible to sell
2 reliable energy credits associated with or created by the
3 production of electric energy subsequently utilized to
4 generate or produce virtual currency at a facility co-located
5 with the PRESS energy system, or where a power purchase
6 agreement commits the offtake of electric energy to a virtual
7 currency generator or producer. Reliable energy credits may
8 be sold based upon the proportion of electric energy at the
9 facility that is not utilized to generate or produce virtual
10 currency.

11 (14) An individual generating unit with a nameplate
12 capacity over 150 megawatts must be located in this
13 Commonwealth to be eligible for reliable energy credits. The
14 commission may promulgate a regulation to change the
15 nameplate capacity for purposes of this paragraph if the
16 commission determines that a change to the nameplate capacity
17 is necessary to prevent a force majeure event or the ongoing
18 imposition of alternative compliance payments due to lack of
19 availability of reliable energy credits.

20 (15) No PRESS energy source may be offered to meet the
21 compliance requirements of more than one tier unless the
22 source is owned or leased by and located on the grounds of a
23 school district as defined in section 102 of the act of March
24 10, 1949 (P.L.30, No.14), known as the Public School Code of
25 1949. If a PRESS energy source is owned or leased by and
26 located on the grounds of a school district, a school
27 district may offer credits from a Tier I PRESS energy source
28 to meet the compliance requirements of Tier I and either Tier
29 II or Tier III. A school district may not offer credits to
30 meet the compliance obligations of more than one tier in any

1 year in excess of the school district's requirement for
2 electricity in the same year.

3 (16) (i) PRESS energy sources eligible for compliance
4 requirements in Tier II, Tier III and solar photovoltaic
5 technologies eligible for compliance requirements under
6 subsection (b) (2) must meet one of the following
7 requirements:

8 (A) directly deliver the electricity generated
9 to a retail customer of an electric distribution
10 company or to the distribution system operated by an
11 electric distribution company operating within this
12 Commonwealth and obligated to meet the compliance
13 requirements contained under this act;

14 (B) be directly connected to the electric system
15 of an electric cooperative or municipal electric
16 system operating within this Commonwealth;

17 (C) connect directly to the electric
18 transmission system at a location that is within the
19 service territory of an electric distribution company
20 operating within this Commonwealth; or

21 (D) generate electricity at generation units
22 whose construction and operation is subject to and
23 complies with permits issued by the department under
24 the act of January 8, 1960 (1959 P.L.2119, No.787),
25 known as the Air Pollution Control Act, or the act of
26 July 7, 1980 (P.L.380, No.97), known as the Solid
27 Waste Management Act.

28 (ii) This paragraph shall not be construed to affect
29 a binding written contract, entered into prior to the
30 effective date of this paragraph, for the sale and

1 purchase of alternative energy credits derived from
2 alternative energy sources until June 1, 2028.

3 (iii) Beginning June 1, 2030, 10% of the electric
4 energy sold by an electric distribution company or
5 electric generation supplier to retail electric customers
6 in this Commonwealth and that is used to satisfy Tier I
7 obligations shall be generated from Tier I PRESS energy
8 sources that meet one of the requirements of subparagraph
9 (i). The percentage shall increase by 1% in each
10 subsequent compliance year through June 1, 2050.

11 (17) Energy from a geothermal heating and cooling system
12 is eligible to sell reliable energy credits associated with
13 or created by the production of energy of the system.
14 Reliable energy credits from a geothermal heating and cooling
15 system shall be created based on the amount of energy,
16 converted from BTUs to kilowatt-hours, that is generated by a
17 geothermal heating and cooling system for space heating and
18 cooling or water heating. The commission shall determine the
19 form and manner in which the reliable energy credits are
20 verified.

21 (18) For binding written contracts for the sale and
22 purchase of alternative energy credits derived from
23 alternative energy sources entered into prior to the
24 effective date of this paragraph, the following shall apply
25 until June 1, 2028:

26 (i) A Tier I alternative energy source may be
27 offered for compliance purposes as a Tier I PRESS energy
28 source.

29 (ii) A Tier II alternative energy source may be
30 offered for compliance purposes as a Tier II PRESS energy

1 source.

2 (f) Alternative compliance payment.--

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

7 (2) The commission shall conduct a review of each
8 determination made under subsections (b), [and] (c) and
9 (c.1). If, after notice and hearing, the commission
10 determines that an electric distribution company or electric
11 generation supplier has failed to comply with subsections
12 (b), [and] (c) and (c.1), the commission shall impose an
13 alternative compliance payment on that company or supplier.

14 (3) [The] (i) Through May 31, 2025, the alternative
15 compliance payment, with the exception of the solar
16 photovoltaic share compliance requirement [set forth]
17 specified in subsection (b) (2), shall be \$45 times the
18 number of additional [alternative] reliable energy
19 credits needed in order to comply with subsection (b) or
20 (c).

21 (ii) Subject to subparagraph (iii), beginning June
22 1, 2025, and continuing each year thereafter, the
23 alternative compliance payment, with the exception of the
24 solar photovoltaic share compliance requirement specified
25 in subsection (b) (2), shall be \$45 times the number of
26 additional reliable energy credits needed in order to
27 comply with subsection (b). The alternative compliance
28 payment shall be \$35 times the number of reliable energy
29 credits needed in order to comply with subsection (c).
30 The alternative compliance payment shall be \$15 times the

1 number of reliable energy credits needed in order to
2 comply with subsection (c.1).

3 (iii) Beginning June 1, 2030, and continuing each
4 year thereafter, the commission may increase the
5 alternative compliance payment amount applicable in any
6 tier under this paragraph by up to 15% of the alternative
7 compliance payment amount from the prior year if the
8 commission finds that an increased alternative compliance
9 payment amount would promote the installation of more
10 PRESS energy systems.

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

19 (5) The commission shall establish a process to provide
20 for, at least annually, a review of the [alternative] PRESS
21 energy market within this Commonwealth and the service
22 territories of the regional transmission organizations that
23 manage the transmission system in any part of this
24 Commonwealth. The commission will use the results of this
25 study to identify any needed changes to the cost associated
26 with the alternative compliance payment program. If the
27 commission finds that the costs associated with the
28 alternative compliance payment program must be changed, the
29 commission shall present these findings to the General
30 Assembly for legislative enactment.

1 (g) Transfer to sustainable development funds.--

2 (1) Notwithstanding the provisions of 66 Pa.C.S. §§ 511
3 (relating to disposition, appropriation and disbursement of
4 assessments and fees) and 3315 (relating to disposition of
5 fines and penalties), alternative compliance payments imposed
6 pursuant to this act shall be paid into Pennsylvania's
7 Sustainable Energy Funds created under the commission's
8 restructuring orders under 66 Pa.C.S. Ch. 28 (relating to
9 restructuring of electric utility industry). Alternative
10 compliance payments shall be paid into a special fund of the
11 Pennsylvania Sustainable Energy Board, established by the
12 commission under Docket M-00031715, and made available to the
13 Regional Sustainable Energy Funds under procedures and
14 guidelines approved by the Pennsylvania Energy Board.

15 (2) The alternative compliance payments shall be
16 utilized solely for reliability projects that will increase
17 the amount of electric energy generated from [alternative
18 energy resources for purposes of compliance with subsections
19 (b) and (c).]:

20 (i) geothermal energy;

21 (ii) storage resources co-located with a Tier I
22 PRESS energy source with 10% nameplate capacity available
23 every hour for a 24-hour period; or

24 (iii) a Tier I PRESS energy source owned or leased
25 by and located on the grounds of a school district as
26 defined in section 102 of the Public School Code of 1949.

27 (3) No less than 40% of funds shall be dedicated to
28 reliability projects located in environmental justice areas
29 under paragraph (2).

30 (h) Nonseverability.--The provisions of subsection (a) are

1 declared to be nonseverable. If any provision of subsection (a)
2 is held invalid, the remaining provisions of this act shall be
3 void.

4 Section 4. Portfolio requirements in other states.

5 If an electric distribution supplier or electric generation
6 company provider sells electricity in any other state and is
7 subject to renewable energy portfolio requirements in that
8 state, they shall list any such requirement and shall indicate
9 how it satisfied those renewable energy portfolio requirements.
10 To prevent double-counting, the electric distribution supplier
11 or electric generation company shall not satisfy Pennsylvania's
12 [alternative] reliable energy [portfolio] requirements using
13 [alternative] PRESS energy used to satisfy another state's
14 portfolio requirements or alternative energy credits already
15 purchased by individuals, businesses or government bodies that
16 do not have a compliance obligation under this act unless the
17 individual, business or government body sells those credits to
18 the electric distribution company or electric generation
19 supplier. Energy derived from [alternative] PRESS energy sources
20 inside the geographical boundaries of this Commonwealth shall be
21 eligible to meet the compliance requirements under this act.
22 Energy derived from [alternative] PRESS energy sources located
23 outside the geographical boundaries of this Commonwealth but
24 within the service territory of a regional transmission
25 organization that manages the transmission system in any part of
26 this Commonwealth shall only be eligible to meet the compliance
27 requirements of electric distribution companies or electric
28 generation suppliers located within the service territory of the
29 same regional transmission organization. For purposes of
30 compliance with this act, [alternative] PRESS energy sources

1 located in the PJM Interconnection, L.L.C. regional transmission
2 organization (PJM) or its successor service territory shall be
3 eligible to fulfill compliance obligations of all Pennsylvania
4 electric distribution companies and electric generation
5 suppliers. Energy derived from [alternative] PRESS energy
6 sources located outside the service territory of a regional
7 transmission organization that manages the transmission system
8 in any part of this Commonwealth shall not be eligible to meet
9 the compliance requirements of this act. Electric distribution
10 companies and electric generation suppliers shall document that
11 this energy was not used to satisfy another state's renewable
12 energy portfolio standards.

13 Section 6. Health and safety standards.

14 The department shall cooperate with the Department of Labor
15 and Industry as necessary in developing health and safety
16 standards, as needed, regarding facilities generating energy
17 from [alternative] PRESS energy sources. The department shall
18 establish appropriate and reasonable health and safety standards
19 to ensure uniform and proper compliance with this act by owners
20 and operators of facilities generating energy from [alternative]
21 PRESS energy sources [as defined in this act].

22 Section 7. Interagency responsibilities.

23 (a) Commission responsibilities.--The commission [will]
24 shall carry out the responsibilities delineated within this act.
25 The commission also shall, in cooperation with the department,
26 conduct an ongoing [alternative] PRESS energy resources planning
27 assessment for this Commonwealth. [This assessment will] The
28 assessment shall, at a minimum, identify current and operating
29 [alternative] PRESS energy facilities, the potential to add
30 future [alternative] PRESS energy generating capacity and the

1 conditions of the [alternative] PRESS energy marketplace. The
2 assessment [will] shall identify needed methods to maintain or
3 increase the relative competitiveness of the [alternative] PRESS
4 energy market within this Commonwealth.

5 (b) Department responsibilities.--The department shall
6 ensure that all qualified [alternative] PRESS energy sources
7 meet all applicable environmental standards and shall verify
8 that [an alternative] a PRESS energy source meets the standards
9 [set forth] specified in section 2.

10 (c) Cooperation between commission and department.--The
11 commission and the department shall work cooperatively to
12 monitor the performance of all aspects of this act and [will]
13 shall provide an annual report to the chairman and minority
14 chairman of the Environmental Resources and Energy Committee of
15 the Senate and the chairman and minority chairman of the
16 Environmental Resources and Energy Committee of the House of
17 Representatives. The report shall include at a minimum:

18 (1) The status of the compliance with the provisions of
19 this act by electric distribution companies and electric
20 generation suppliers.

21 (2) Current costs of [alternative] PRESS energy on a per
22 kilowatt hour basis for all [alternative] PRESS energy
23 technology types.

24 (3) Costs associated with the [alternative] reliable
25 energy credits program under this act, including the number
26 of alternative compliance payments.

27 (4) The status of the [alternative] PRESS energy
28 marketplace within this Commonwealth.

29 (5) Recommendations for program improvements.

30 Section 4. The act is amended by adding a section to read:

1 Section 8.1. Zero emissions credits.

2 (a) Beneficial nuclear facility.--A nuclear reactor that
3 provides benefits to this Commonwealth may apply to the
4 commission for ZECs.

5 (b) Duty of commission.--After notice and opportunity for a
6 hearing, the commission shall approve or disapprove an
7 application submitted under subsection (a) within nine months
8 after the application is filed, provided that approval may be in
9 whole or in part and may be subject to limitations and
10 qualifications as may be deemed necessary and in the public
11 interest. The limitations shall include, but are not limited to,
12 a cap of 75,000,000 megawatt-hours of ZECs approved each year.

13 (c) Price of ZEC.--The price of a ZEC shall be the amount by
14 which \$9 per MWh exceeds 80% of the difference of the gross
15 receipts of the nuclear reactor for the previous year expressed
16 as a dollar per MWh, and \$31 per MWh. The MWh dollar values
17 shall be adjusted annually by the commission to reflect changes
18 in the Consumer Price Index for All Urban Consumers (CPI-U) for
19 the Pennsylvania, New Jersey, Delaware and Maryland area after
20 2032. The commission shall transmit a notice of the adjustment
21 to the Legislative Reference Bureau for publication in the next
22 available issue of the Pennsylvania Bulletin.

23 (d) Regulations.--Within 365 days prior to the expiration of
24 the availability of zero-emission nuclear power production
25 credits established under section 45U of the Internal Revenue
26 Code of 1986 (26 U.S.C. § 45U), the commission shall promulgate
27 regulations to implement the requirements of this section. The
28 regulations shall include the following:

29 (1) data submission requirements necessary to evaluate
30 projected environmental benefits and to verify annual gross

1 receipts;

2 (2) recapture of the allocation of any credit within the
3 previous three years to a beneficial nuclear reactor that
4 permanently terminates operations, except in the case of
5 force majeure.

6 (e) Ineligibility.--A beneficial nuclear facility shall not
7 be eligible to receive ZECs during any period in which they are
8 receiving zero-emission nuclear power production credits
9 established under section 45U of the Internal Revenue Code of
10 1986.

11 (f) Recovery of costs.--If the commission has approved ZECs
12 under subsection (a) it shall allow the public utility to
13 recover all prudent and reasonable costs associated with the
14 credits, provided that the prudent and reasonable costs must be
15 recovered in accordance with appropriate accounting principles.

16 (g) Expiration.--This section shall expire 10 years after
17 the effective date of the regulations promulgated by the
18 commission under subsection (d).

19 Section 5. A reference in statute or regulation to
20 "Alternative Energy Portfolio Standards" shall be deemed a
21 reference to "Pennsylvania Reliable Energy Sustainability
22 Standards."

23 Section 6. This act shall take effect as follows:

24 (1) The addition of section 3(e)(16)(ii) and (18) of the
25 act shall take effect immediately.

26 (2) This section shall take effect immediately.

27 (3) The remainder of this act shall take effect June 1,
28 2025.

29