

THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 501 Session of 2025

INTRODUCED BY OTTEN, WAXMAN, VENKAT, SAPPEY, ABNEY, HILL-EVANS, HOWARD, MADDEN, PIELLI, SCHLOSSBERG, MALAGARI, NEILSON, VITALI, SANCHEZ, O'MARA, CEPEDA-FREYTIZ, BOROWSKI, K.HARRIS, DONAHUE, BOYD, CIRESI, McNEILL, ISAACSON, RIVERA, WARREN, HOHENSTEIN, GUENST, PROBST, D. WILLIAMS, POWELL, T. DAVIS, KHAN, SHUSTERMAN, WEBSTER, MULLINS, GIRAL, BENHAM, SAMUELSON, FRIEL, CERRATO, BRENNAN, BRIGGS, KRUEGER, PROKOPIAK, SCHWEYER, BURGOS, HANBIDGE, STEELE, SMITH-WADE-EL, PASHINSKI, BIZZARRO, HADDOCK, TAKAC, SALISBURY, SOLOMON, FIEDLER, SCOTT, MERSKI, FRANKEL, KINKEAD, DALEY, GREEN, PARKER, MADSEN, DOUGHERTY AND MAYES, APRIL 23, 2025

REFERRED TO COMMITTEE ON ENVIRONMENTAL AND NATURAL RESOURCE PROTECTION, APRIL 23, 2025

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 emissions 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
10 with 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, and provided
8 that crop production on Federal Conservation Reserve Program
9 lands does not prevent achievement of the water quality
10 protection, soil erosion prevention or wildlife enhancement
11 purposes for which the land is primarily set aside; or

12 (2) any solid nonhazardous, cellulosic waste material
13 that is segregated from other waste material, including 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

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

"Commission." The Pennsylvania Public Utility Commission.

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

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

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

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

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

23 "Department." The Department of Environmental Protection of
24 the Commonwealth.

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

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

1 "Electric generation supplier." The term shall have the same
2 meaning given to it in 66 Pa.C.S. Ch. 28 (relating to
3 restructuring of electric utility industry).

4 "Energy price index." The average of the day-ahead
5 locational marginal prices at the highest PJM Interconnection,
6 L.L.C., pricing node in Pennsylvania for each hour of the three
7 prior years.

8 "Energy storage resource." A technology, including any
9 electromechanical, thermal and electromechanical technology, or
10 any technology defined as "energy storage technology" in 26
11 U.S.C. § 48E (relating to clean electricity investment credit)
12 or 26 CFR 1.48E-2(g)(6) (relating to qualified investments in
13 qualified facilities and EST for purposes of section 48E) as of
14 the effective date of this definition that is capable of
15 absorbing and storing electrical energy for use at a later time.

16 "Environmental justice area." A geographic area
17 characterized by increased pollution burden and sensitive or
18 vulnerable populations based on demographic and environmental
19 data as identified by the department.

20 "Force majeure." [Upon its own initiative or upon a request
21 of an electric distribution company or an electric generator
22 supplier, the Pennsylvania Public Utility Commission, within 60
23 days, shall determine if alternative PRESS energy resources are
24 reasonably available in the marketplace in sufficient quantities
25 or are likely to be developed in sufficient quantities due to
26 alternative compliance payments or economics for the electric
27 distribution companies and electric generation suppliers to meet
28 their obligations for that reporting period under this act. In
29 making this determination, the commission shall consider whether
30 electric distribution companies or electric generation suppliers

1 have made a good faith effort to acquire sufficient PRESS
2 alternative energy to comply with their obligations. Such good
3 faith efforts shall include, but are not limited to, banking
4 reliable alternative energy credits during their transition
5 periods, seeking reliable alternative energy credits through
6 competitive solicitations and seeking to procure reliable
7 alternative energy credits or PRESS alternative energy through
8 long-term contracts. In further making its determination, the
9 commission shall assess the availability of alternative reliable
10 energy credits in the Generation Attributes Tracking System
11 (GATS) or its successor and the availability of reliable
12 alternative energy credits generally in Pennsylvania and other
13 jurisdictions in the PJM Interconnection, L.L.C. regional
14 transmission organization (PJM) or its successor. The commission
15 may also require solicitations for reliable alternative energy
16 credits as part of default service before requests of force
17 majeure can be made. If the commission further determines that
18 PRESS alternative energy resources are not reasonably available
19 in sufficient quantities in the marketplace for the electric
20 distribution companies and electric generation suppliers to meet
21 their obligations under this act, then the commission shall
22 modify the underlying obligation of the electric distribution
23 company or electric generation supplier or recommend to the
24 General Assembly that the underlying obligation be eliminated.
25 Commission modification of the electric distribution company or
26 electric generation supplier obligations under this act shall be
27 for that compliance period only. Commission modification shall
28 not automatically reduce the obligation for subsequent
29 compliance years. If the commission modifies the electric
30 distribution company or electric generation supplier obligations

1 under this act, the commission may require the electric
2 distribution company or electric generation supplier to acquire
3 additional reliable alternative energy credits in subsequent
4 years equivalent to the obligation reduced due to a force
5 majeure declaration if the commission determines that sufficient
6 reliable alternative energy credits exist in the marketplace.]

7 The determination made by the commission under section 2.1.

8 "Fuel cells." A device that converts chemical energy in a
9 hydrogen-rich fuel directly into electricity, heat and water
10 without combustion including an integrated system comprised of a
11 fuel cell stack assembly or linear generator assembly and
12 associated balance of plant components which converts a fuel
13 into electricity using electromechanical means. The term does
14 not include an assembly which contains rotating parts.

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

17 "Geothermal energy." The utilization of natural heat of the
18 earth found below the surface of the earth, which is then used
19 to generate electricity.

20 (1) The term includes:

21 (i) Devices that generate electricity using a
22 product of geothermal process including heat, indigenous
23 steam, pressure, hot water and hot brines, gases and
24 byproducts.

25 (ii) Devices that generate or distribute energy from
26 a geothermal heating and cooling system.

27 (2) The term does not include helium, oil, hydrocarbon
28 gas or any other hydrocarbon substances.

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

30 (1) Exchanges thermal energy from groundwater or a

1 shallow ground source to generate thermal energy through an
2 electric geothermal heat pump or a system of electric
3 geothermal heat pumps interconnected with a geothermal
4 extraction facility that:

5 (i) Is a closed loop or a series of closed loop
6 systems in which fluid is permanently confined within a
7 pipe or tubing.

8 (ii) Does not come in contact with the outside
9 environment or an open loop system in which ground or
10 surface water is:

11 (A) circulated in an environmentally safe manner
12 directly into the facility; and

13 (B) returned to the same aquifer or surface
14 water source.

15 (2) Meets or exceeds the current Federal Energy Star
16 product specification standards.

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

19 (4) Replaces or displaces less efficient space cooling
20 systems that do not meet Federal Energy Star product
21 specification standards.

22 (5) Does not feed electricity back to the grid.

23 "Hydropower." The production of electric power by harnessing
24 the hydroelectric potential of moving water impoundments,
25 including pumped storage that does not meet the requirements of
26 low-impact hydropower.

27 "Lifecycle greenhouse gas emissions." As defined under 26
28 CFR §§ 1.45V-1 (relating to credit for production of clean
29 hydrogen), 1.45V-2 (relating to special rules), 1.45V-3
30 (relating to rules relating to the increased credit amount for

prevailing wage and apprenticeship), 1.45V-4 (relating to
procedures for determining lifecycle greenhouse gas emissions
rates for qualified clean hydrogen), 1.45V-5 (relating to
procedures for verification of qualified clean hydrogen
production and sale or use) and 1.45V-6 (relating to rules for
determining the placed in service date for an existing facility
that is modified or retrofitted to produce qualified clean
hydrogen) as of the effective date of this definition.

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

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

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

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

(4) Protects against erosion.

(5) Protects cultural and historic resources.

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

"Net metering." The means of measuring the difference
between the electricity supplied by an electric utility and the

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

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

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

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

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

1 energy credit is voluntarily transferred by the reliable energy
2 system.

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

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

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

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

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

18 (1) Solar photovoltaic and solar thermal energy.

19 (2) Wind power.

20 (3) Low-impact hydropower.

21 (4) Geothermal energy.

22 (5) Biologically derived methane gas.

23 (6) Fuel cells.

24 (7) Biomass energy.

25 (8) Coal mine methane.

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

27 (1) Waste coal.

28 (2) Distributed generation systems.

29 (3) Demand-side management.

30 (4) Large-scale hydropower.

(5) Municipal solid waste.

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

(7) Integrated combined coal gasification technology.]

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

(1) Solar photovoltaic and solar thermal energy.

(2) Wind power.

(3) Low-impact hydropower.

(4) Geothermal energy.

(5) Advanced reactors.

(6) Fusion energy.

(7) Coal mine fugitive emissions.

(8) Biogas energy.

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

(1) Natural gas or coal using at least 80% clean hydrogen co-fired blend or equivalent carbon intensity reduction technologies.

(2) Non-Tier I distributed generation systems.

(3) Demand-side management.

(4) Hydropower.

(5) Fuel cells.

(6) Biomass energy.

(7) Storage resources co-located with a Tier I PRESS energy source certified to possess the technical capacity to deliver 10% nameplate capacity of the Tier I PRESS energy source every hour for a 24-hour period.

(8) Combined heat and power system.

(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 other waste
30 coal combustion meeting alternate eligibility requirements

1 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 the commission's own initiative or upon a
13 request of an electric distribution company or an electric
14 generator supplier, the commission shall determine if PRESS
15 energy resources are reasonably available in the marketplace
16 in 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 a determination, the commission
2 shall assess the availability of reliable energy credits in
3 the Generation Attributes Tracking System or its successor
4 and the availability of reliable energy credits generally in
5 this Commonwealth and other jurisdictions in the PJM
6 Interconnection, L.L.C., regional transmission organization
7 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 the
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

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

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

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

(a) General compliance and cost recovery.--

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

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

(3) All costs for:

(i) the purchase of electricity generated from
[alternative] PRESS energy sources, including the costs
of the regional transmission organization, in excess of
the regional transmission organization real-time
locational marginal pricing, or its successor, at the
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, 2026, 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, 2026, 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, 2027, 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 3% each year so that at least 35%
25 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(xv) 0.5000% for June 1, 2020, [and thereafter]
through May 31, 2031.

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

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

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

(1) Years 1 through 4 - 4.2%.

(2) Years 5 through 9 - 6.2%.

(3) Years 10 through 14 - 8.2%.

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

(5) Beginning on June 1, 2026, through May 31, 2027, the electrical energy required to be sold from PRESS energy sources identified in Tier II, the percentage that shall be from these technologies is 6%.

(6) Beginning June 1, 2027, through May 31, 2035, the percentage that must be from these technologies shall increase by 0.5% each year so that at least 10% of the electric energy is sold from PRESS energy sources identified in Tier II by May 31, 2035, and each year thereafter.

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

(1) June 1, 2026, through May 31, 2029 - 3.8%.

(2) June 1, 2029, through May 31, 2032 - 4.4%.

(3) June 1, 2032, and thereafter - 5%.

(d) [Exemption during cost-recovery period.--Compliance with 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 250 megawatts must be located inside or within
13 15 miles of this Commonwealth to be eligible for reliable
14 energy credits. The commission may promulgate a regulation to
15 change the nameplate capacity for purposes of this paragraph
16 if the commission determines that a change to the nameplate
17 capacity is necessary to prevent a force majeure event or the
18 ongoing imposition of alternative compliance payments due to
19 lack of 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:

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

1 compliance obligations of more than one tier in any year
2 in excess of the school district's requirement for
3 electricity in the same year.

4 (ii) The source is a Tier I PRESS energy source co-
5 located with an energy storage resource, certified to
6 possess the technical capacity to deliver 10% nameplate
7 capacity of the Tier I PRESS energy source every hour for
8 a 24-hour period. The Tier I PRESS energy source co-
9 located with a certified energy storage resource may
10 receive credits to reach the compliance requirements of
11 Tier I equal to the energy output of the Tier I energy
12 source and may additionally receive credits to meet the
13 compliance requirements of Tier II equal to the energy
14 output of the co-located storage resource.

15 (16) (i) PRESS energy sources eligible for compliance
16 requirements in Tier II, Tier III and solar photovoltaic
17 technologies eligible for compliance requirements under
18 subsection (b) (2) must meet one of the following
19 requirements:

20 (A) directly deliver the electricity generated
21 to a retail customer of an electric distribution
22 company or to the distribution system operated by an
23 electric distribution company operating within this
24 Commonwealth and obligated to meet the compliance
25 requirements contained under this act;

26 (B) be directly connected to the electric system
27 of an electric cooperative or municipal electric
28 system operating within this Commonwealth;

29 (C) connect directly to the electric
30 transmission system at a location that is within the

1 service territory of an electric distribution company
2 operating within this Commonwealth; or

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

10 (ii) This paragraph shall not be construed to affect
11 a binding written contract, entered into prior to the
12 effective date of this paragraph, for the sale and
13 purchase of alternative energy credits derived from
14 alternative energy sources until June 1, 2029.

15 (iii) Beginning June 1, 2031, 6% of the electric
16 energy sold by an electric distribution company or
17 electric generation supplier to retail electric customers
18 in this Commonwealth and that is used to satisfy Tier I
19 obligations shall be generated from Tier I PRESS energy
20 sources that meet one of the requirements of subparagraph
21 (i). The percentage shall increase by 1.333% in each
22 subsequent compliance year through June 1, 2036, and
23 increase by 0.6% in each subsequent compliance year
24 through June 1, 2051.

25 (17) Energy from a geothermal heating and cooling system
26 is eligible to sell reliable energy credits associated with
27 or created by the production of energy of the system.
28 Reliable energy credits from a geothermal heating and cooling
29 system shall be created based on the amount of energy,
30 converted from BTUs to kilowatt-hours, that is generated by a

1 geothermal heating and cooling system for space heating and
2 cooling or water heating. The commission shall determine the
3 form and manner in which the reliable energy credits are
4 verified.

5 (18) For binding written contracts for the sale and
6 purchase of alternative energy credits derived from
7 alternative energy sources entered into prior to the
8 effective date of this paragraph, the following shall apply
9 until June 1, 2029:

10 (i) A Tier I alternative energy source may be
11 offered for compliance purposes as a Tier I PRESS energy
12 source.

13 (ii) A Tier II alternative energy source may be
14 offered for compliance purposes as a Tier II PRESS energy
15 source.

16 (f) Alternative compliance payment.--

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

21 (2) The commission shall conduct a review of each
22 determination made under subsections (b) and (c) and
23 (c.1). If, after notice and hearing, the commission
24 determines that an electric distribution company or electric
25 generation supplier has failed to comply with subsections
26 (b) and (c) and (c.1), the commission shall impose an
27 alternative compliance payment on that company or supplier.

28 [The] (i) Through May 31, 2027, the alternative
29 compliance payment, with the exception of the solar
30 photovoltaic share compliance requirement [set forth]

1 specified in subsection (b) (2), shall be \$45 times the
2 number of additional [alternative] reliable energy
3 credits needed in order to comply with subsection (b) or
4 (c).

5 (ii) Subject to subparagraph (iii), beginning June
6 1, 2027, and continuing each year thereafter, the
7 alternative compliance payment, with the exception of the
8 solar photovoltaic share compliance requirement specified
9 in subsection (b) (2), shall be \$45 times the number of
10 additional reliable energy credits needed in order to
11 comply with subsection (b). The alternative compliance
12 payment shall be \$35 times the number of reliable energy
13 credits needed in order to comply with subsection (c).
14 The alternative compliance payment shall be \$15 times the
15 number of reliable energy credits needed in order to
16 comply with subsection (c.1).

17 (iii) Beginning June 1, 2030, and continuing each
18 year thereafter, the commission shall adjust the
19 alternative compliance payment amount applicable in any
20 tier under this paragraph by the percentage difference
21 between the energy price index on June 1 of the prior
22 year and the current value of the energy price index.

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

1 (5) The commission shall establish a process to provide
2 for, at least annually, a review of the [alternative] PRESS
3 energy market within this Commonwealth and the service
4 territories of the regional transmission organizations that
5 manage the transmission system in any part of this
6 Commonwealth. The commission will use the results of this
7 study to identify any needed changes to the cost associated
8 with the alternative compliance payment program. If the
9 commission finds that the costs associated with the
10 alternative compliance payment program must be changed, the
11 commission shall present these findings to the General
12 Assembly for legislative enactment.

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

14 (1) Notwithstanding the provisions of 66 Pa.C.S. §§ 511
15 (relating to disposition, appropriation and disbursement of
16 assessments and fees) and 3315 (relating to disposition of
17 fines and penalties), alternative compliance payments imposed
18 pursuant to this act shall be paid into Pennsylvania's
19 Sustainable Energy Funds created under the commission's
20 restructuring orders under 66 Pa.C.S. Ch. 28 (relating to
21 restructuring of electric utility industry). Alternative
22 compliance payments shall be paid into a special fund of the
23 Pennsylvania Sustainable Energy Board, established by the
24 commission under Docket M-00031715, and made available to the
25 Regional Sustainable Energy Funds under procedures and
26 guidelines approved by the Pennsylvania Energy Board.

27 (2) The alternative compliance payments shall be
28 utilized solely for reliability projects that will increase
29 the amount of electric energy generated from [alternative
30 energy resources for purposes of compliance with subsections

(b) and (c).]:

(i) geothermal energy;

(ii) storage resources co-located with a Tier I
PRESS energy source certified to possess technical
capacity to deliver 10% nameplate capacity of the Tier I
PRESS energy resource every hour for a 24-hour period; or
(iii) a Tier I PRESS energy source owned or leased
by and located on the grounds of a school district as
defined in section 102 of the Public School Code of 1949.

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

(h) Nonseverability.--The provisions of subsection (a) are declared to be nonseverable. If any provision of subsection (a) is held invalid, the remaining provisions of this act shall be void.

Section 4. Portfolio requirements in other states.

If an electric distribution supplier or electric generation company provider sells electricity in any other state and is subject to renewable energy portfolio requirements in that state, they shall list any such requirement and shall indicate how it satisfied those renewable energy portfolio requirements. To prevent double-counting, the electric distribution supplier or electric generation company shall not satisfy Pennsylvania's [alternative] reliable energy [portfolio] requirements using [alternative] PRESS energy used to satisfy another state's portfolio requirements or alternative energy credits already purchased by individuals, businesses or government bodies that do not have a compliance obligation under this act unless the individual, business or government body sells those credits to

1 the electric distribution company or electric generation
2 supplier. Energy derived from [alternative] PRESS energy sources
3 inside the geographical boundaries of this Commonwealth shall be
4 eligible to meet the compliance requirements under this act.
5 Energy derived from [alternative] PRESS energy sources located
6 outside the geographical boundaries of this Commonwealth but
7 within the service territory of a regional transmission
8 organization that manages the transmission system in any part of
9 this Commonwealth shall only be eligible to meet the compliance
10 requirements of electric distribution companies or electric
11 generation suppliers located within the service territory of the
12 same regional transmission organization. For purposes of
13 compliance with this act, [alternative] PRESS energy sources
14 located in the PJM Interconnection, L.L.C. regional transmission
15 organization (PJM) or its successor service territory shall be
16 eligible to fulfill compliance obligations of all Pennsylvania
17 electric distribution companies and electric generation
18 suppliers. Energy derived from [alternative] PRESS energy
19 sources located outside the service territory of a regional
20 transmission organization that manages the transmission system
21 in any part of this Commonwealth shall not be eligible to meet
22 the compliance requirements of this act. Electric distribution
23 companies and electric generation suppliers shall document that
24 this energy was not used to satisfy another state's renewable
25 energy portfolio standards.

26 Section 6. Health and safety standards.

27 The department shall cooperate with the Department of Labor
28 and Industry as necessary in developing health and safety
29 standards, as needed, regarding facilities generating energy
30 from [alternative] PRESS energy sources. The department shall

1 establish appropriate and reasonable health and safety standards
2 to ensure uniform and proper compliance with this act by owners
3 and operators of facilities generating energy from [alternative]
4 PRESS energy sources [as defined in this act].

5 Section 7. Interagency responsibilities.

6 (a) Commission responsibilities.--The commission [will]
7 shall carry out the responsibilities delineated within this act.
8 The commission also shall, in cooperation with the department,
9 conduct an ongoing [alternative] PRESS energy resources planning
10 assessment for this Commonwealth. [This assessment will] The
11 assessment shall, at a minimum, identify current and operating
12 [alternative] PRESS energy facilities, the potential to add
13 future [alternative] PRESS energy generating capacity and the
14 conditions of the [alternative] PRESS energy marketplace. The
15 assessment [will] shall identify needed methods to maintain or
16 increase the relative competitiveness of the [alternative] PRESS
17 energy market within this Commonwealth.

18 (b) Department responsibilities.--The department shall
19 ensure that all qualified [alternative] PRESS energy sources
20 meet all applicable environmental standards and shall verify
21 that [an alternative] a PRESS energy source meets the standards
22 [set forth] specified in section 2.

23 (c) Cooperation between commission and department.--The
24 commission and the department shall work cooperatively to
25 monitor the performance of all aspects of this act and [will]
26 shall provide an annual report to the chairman and minority
27 chairman of the Environmental Resources and Energy Committee of
28 the Senate and the chairman and minority chairman of the
29 Environmental [Resources and Energy] and Natural Resource
30 Protection Committee of the House of Representatives. The report

1 shall include at a minimum:

2 (1) The status of the compliance with the provisions of
3 this act by electric distribution companies and electric
4 generation suppliers.

5 (2) Current costs of [alternative] PRESS energy on a per
6 kilowatt hour basis for all [alternative] PRESS energy
7 technology types.

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

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

13 (5) Recommendations for program improvements.

14 Section 4. The act is amended by adding a section to read:
15 Section 8.1. Zero emissions credits.

16 (a) Beneficial nuclear facility.--A nuclear reactor that
17 provides benefits to this Commonwealth may apply to the
18 commission for ZECs.

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

27 (c) Price of ZEC.--The price of a ZEC shall be the amount by
28 which \$9 per MWh exceeds 80% of the difference of the gross
29 receipts of the nuclear reactor for the previous year expressed
30 as a dollar per MWh, and \$31 per MWh. The \$9 per MWh and \$31 per

MWh values in this subsection shall be adjusted annually by the commission to reflect the change in the Consumer Price Index for All Urban Consumers (CPI-U) for the Pennsylvania, New Jersey, Delaware and Maryland area after 2033. The commission shall transmit a notice of the adjustment to the Legislative Reference Bureau for publication in the next available issue of the Pennsylvania Bulletin.

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

(1) Data submission requirements necessary to evaluate projected environmental benefits and to verify annual gross receipts.

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

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

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

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

4 Section 5. A reference in statute or regulation to
5 "Alternative Energy Portfolio Standards" shall be deemed a
6 reference to "Pennsylvania Reliable Energy Sustainability
7 Standards."

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

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

11 (2) This section shall take effect immediately.

12 (3) The remainder of this act shall take effect June 1,
13 2026.