

**SENATE
STATE OF MINNESOTA
NINETY-THIRD SESSION**

S.F. No. 4

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| DATE | D-PG | OFFICIAL STATUS |
|------------|------|---|
| 01/04/2023 | 71 | Introduction and first reading Referred to Energy, Utilities, Environment, and Climate |
| 01/05/2023 | 83 | Author added Maye Quade |
| 01/09/2023 | 116 | Author added Xiong |
| 01/17/2023 | 209 | Author added Port |
| 01/25/2023 | 381 | Author stricken Port |
| | 382 | Author added Mitchell |
| 01/27/2023 | 428a | Comm report: To pass as amended |
| | 457 | Second reading Referred to for comparison to HF7 |
| 02/01/2023 | 552a | Rule 45-amend, subst. General Orders HF7, SF indefinitely postponed |

- 1.1 A bill for an act
- 1.2 relating to energy; modifying electric utility renewable energy standard obligations;
- 1.3 providing for certain utility cost recovery; exempting certain wind projects from
- 1.4 certificate of need proceedings; including low-voltage transmission lines in the
- 1.5 definition of "solar energy generating system" for siting purposes; adding provisions
- 1.6 supporting local energy-related employment; modifying Public Utility Commission
- 1.7 authority to issue site permits for electric generation facilities; making technical
- 1.8 changes; amending Minnesota Statutes 2022, sections 216B.16, subdivision 13;
- 1.9 216B.1645, subdivision 2; 216B.1691, subdivisions 1, 2a, 2b, 2d, 2e, 2f, 3, 4, 5,
- 1.10 7, 9, 10, by adding subdivisions; 216B.2422, subdivisions 1, 3, 5, by adding
- 1.11 subdivisions; 216B.243, subdivision 8; 216E.01, subdivision 9a; 216E.03,
- 1.12 subdivisions 5, 7, 10, 11; 216E.04, subdivision 2; 216F.04; repealing Minnesota
- 1.13 Statutes 2022, section 216B.1691, subdivision 2.
- 1.14 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:
- 1.15 Section 1. Minnesota Statutes 2022, section 216B.16, subdivision 13, is amended to read:
- 1.16 Subd. 13. **Economic and community development.** The commission may allow a
- 1.17 public utility to recover from ratepayers the reasonable expenses incurred (1) for economic
- 1.18 and community development, and (2) to employ local workers, as defined in section
- 1.19 216B.2422, subdivision 1, to construct and maintain generation facilities that supply power
- 1.20 to the public utility's customers.
- 1.21 **EFFECTIVE DATE.** This section is effective the day following final enactment.
- 1.22 Sec. 2. Minnesota Statutes 2022, section 216B.1645, subdivision 2, is amended to read:
- 1.23 Subd. 2. **Cost recovery.** The (a) The following expenses are recoverable from utility
- 1.24 ratepayers:

2.1 (1) expenses incurred to employ local workers, as defined in section 216B.2422,
 2.2 subdivision 1, to construct and maintain generation facilities that supply power to the utility's
 2.3 customers; and

2.4 (2) expenses incurred by the utility over the duration of the an approved contract or the
 2.5 useful life of the an investment and expenditures made pursuant to section 116C.779 shall
 2.6 be recoverable from the ratepayers of the utility, to the extent, provided they are not offset
 2.7 by utility revenues attributable to the contracts, investments, or expenditures.

2.8 (b) Upon petition by a public utility, the commission shall approve or approve as modified
 2.9 a rate schedule providing for the automatic adjustment of charges to recover the expenses
 2.10 or costs approved by the commission under subdivision 1, which, in the case of transmission
 2.11 expenditures, are limited to the portion of actual transmission costs that are directly allocable
 2.12 to the need to transmit power from the renewable sources of energy. The commission may
 2.13 not approve recovery of the costs for that portion of the power generated from sources
 2.14 governed by this section that the utility sells into the wholesale market.

2.15 **EFFECTIVE DATE.** This section is effective the day following final enactment.

2.16 Sec. 3. Minnesota Statutes 2022, section 216B.1691, subdivision 1, is amended to read:

2.17 Subdivision 1. **Definitions.** (a) For purposes of this section, the following terms have
 2.18 the meaning given them.

2.19 (b) "Carbon-free" means a technology that generates electricity without emitting carbon
 2.20 dioxide.

2.21 ~~(a)~~ (c) Unless otherwise specified in law, "eligible energy technology" means an energy
 2.22 technology that generates electricity from the following renewable energy sources:

2.23 (1) solar;

2.24 (2) wind;

2.25 (3) hydroelectric with a capacity of: (i) less than 100 megawatts; or (ii) 100 megawatts
 2.26 or more, provided that the facility is in operation as of the effective date of this act;

2.27 ~~(4) hydrogen, provided that after January 1, 2010, the hydrogen must be generated from~~
 2.28 ~~the resources listed in this paragraph; or~~

2.29 (5) biomass, which includes, without limitation, landfill gas; an anaerobic digester
 2.30 system; the predominantly organic components of wastewater effluent, sludge, or related
 2.31 by-products from publicly owned treatment works, but not including incineration of
 2.32 wastewater sludge to produce electricity; and, except as provided in subdivision 1a, an

3.1 energy recovery facility used to capture the heat value of mixed municipal solid waste or
 3.2 refuse-derived fuel from mixed municipal solid waste as a primary fuel.

3.3 ~~(b)~~ (d) "Electric utility" means:

3.4 (1) a public utility providing electric service;

3.5 (2) a generation and transmission cooperative electric association;

3.6 (3) a municipal power agency;~~or;~~

3.7 (4) a power district; or

3.8 (5) a cooperative electric association or municipal utility electric service that is not a
 3.9 member of an entity in clauses (2) to (4).

3.10 (e) "Environmental justice area" means an area in Minnesota that, based on the most
 3.11 recent data published by the United States Census Bureau, meets one or more of the following
 3.12 criteria:

3.13 (1) 40 percent or more of the area's total population is nonwhite;

3.14 (2) 35 percent or more of households in the area have an income that is at or below 200
 3.15 percent of the federal poverty level;

3.16 (3) 40 percent or more of residents over the age of five have limited English proficiency;

3.17 or

3.18 (4) the area is located within Indian country, as defined in United State Code, title 18,
 3.19 section 1151.

3.20 ~~(e)~~ (f) "Total retail electric sales" means the kilowatt-hours of electricity sold in a year
 3.21 by an electric utility to retail customers of the electric utility or to a distribution utility for
 3.22 distribution to the retail customers of the distribution utility. ~~"Total retail electric sales"~~
 3.23 ~~does not include the sale of hydroelectricity supplied by a federal power marketing~~
 3.24 ~~administration or other federal agency, regardless of whether the sales are directly to a~~
 3.25 ~~distribution utility or are made to a generation and transmission utility and pooled for further~~
 3.26 ~~allocation to a distribution utility.~~

3.27 **EFFECTIVE DATE.** This section is effective the day following final enactment.

3.28 Sec. 4. Minnesota Statutes 2022, section 216B.1691, is amended by adding a subdivision
 3.29 to read:

3.30 **Subd. 1a. Exception; energy recovery facility.** An energy recovery facility used to
 3.31 capture the heat value of mixed municipal solid waste or refuse-derived fuel from mixed

4.1 municipal solid waste as a primary fuel is not an eligible energy technology, as defined in
 4.2 subdivision 1, if it is located in a county whose population density exceeds 1,500 persons
 4.3 per square mile but is less than 2,500 persons per square mile as of the effective date of this
 4.4 act.

4.5 **EFFECTIVE DATE.** This section is effective the day following final enactment.

4.6 Sec. 5. Minnesota Statutes 2022, section 216B.1691, subdivision 2a, is amended to read:

4.7 Subd. 2a. **Eligible energy technology standard.** ~~(a) Except as provided in paragraph~~
 4.8 ~~(b);~~ Each electric utility shall generate or procure sufficient electricity generated by an
 4.9 eligible energy technology to provide its retail customers in Minnesota, or the retail customers
 4.10 of a distribution utility to which the electric utility provides wholesale electric service, so
 4.11 that the electric utility generates or procures an amount of electricity from an eligible energy
 4.12 technology that is equivalent to at least the following standard percentages of the electric
 4.13 utility's total retail electric sales to retail customers in Minnesota ~~are generated by eligible~~
 4.14 ~~energy technologies~~ by the end of the year indicated:

- | | | | |
|------|------------|-------------|--------------------|
| 4.15 | (1) | 2012 | 12 percent |
| 4.16 | (2) | 2016 | 17 percent |
| 4.17 | (3) | 2020 | 20 percent |
| 4.18 | (4) | 2025 | 25 percent. |
| 4.19 | <u>(5)</u> | <u>2035</u> | <u>55 percent.</u> |

4.20 ~~(b) An electric utility that owned a nuclear generating facility as of January 1, 2007,~~
 4.21 ~~must meet the requirements of this paragraph rather than paragraph (a). An electric utility~~
 4.22 ~~subject to this paragraph must generate or procure sufficient electricity generated by an~~
 4.23 ~~eligible energy technology to provide its retail customers in Minnesota or the retail customer~~
 4.24 ~~of a distribution utility to which the electric utility provides wholesale electric service so~~
 4.25 ~~that at least the following percentages of the electric utility's total retail electric sales to~~
 4.26 ~~retail customers in Minnesota are generated by eligible energy technologies by the end of~~
 4.27 ~~the year indicated:~~

- | | | | |
|------|-----|------|-------------|
| 4.28 | (1) | 2010 | 15 percent |
| 4.29 | (2) | 2012 | 18 percent |
| 4.30 | (3) | 2016 | 25 percent |
| 4.31 | (4) | 2020 | 30 percent. |

4.32 ~~Of the 30 percent in 2020, at least 25 percent must be generated by solar energy or wind~~
 4.33 ~~energy conversion systems and the remaining five percent by other eligible energy~~
 4.34 ~~technology. Of the 25 percent that must be generated by wind or solar, no more than one~~

5.1 percent may be solar generated and the remaining 24 percent or greater must be wind
 5.2 generated.

5.3 EFFECTIVE DATE. This section is effective the day following final enactment.

5.4 Sec. 6. Minnesota Statutes 2022, section 216B.1691, subdivision 2b, is amended to read:

5.5 Subd. 2b. **Modification or delay of standard.** (a) The commission shall modify or delay
 5.6 the implementation of a standard obligation under subdivision 2a, 2f, or 2g, in whole or in
 5.7 part, if the commission determines it that modifying or delaying the standard obligation is
 5.8 in the public interest ~~to do so~~. The commission, when ~~requested~~ evaluating a request to
 5.9 modify or delay implementation of a standard, must consider:

5.10 (1) the impact of implementing the standard on its customers' utility costs, including the
 5.11 economic and competitive pressure on the utility's customers;

5.12 (2) the environmental costs that would be incurred as a result of a delay or modification,
 5.13 based on the full range of environmental cost values established in section 216B.2422,
 5.14 subdivision 3;

5.15 ~~(2)~~ (3) the effects of implementing the standard on the reliability of the electric system;

5.16 ~~(3)~~ (4) technical advances or technical concerns;

5.17 ~~(4)~~ (5) delays in acquiring sites or routes due to rejection or delays of necessary siting
 5.18 or other permitting approvals;

5.19 ~~(5)~~ (6) delays, cancellations, or nondelivery of necessary equipment for construction or
 5.20 commercial operation of an eligible energy technology facility;

5.21 ~~(6)~~ (7) transmission constraints preventing delivery of service; ~~and~~

5.22 ~~(7)~~ (8) other statutory obligations imposed on the commission or a utility;

5.23 (9) impacts on environmental justice areas; and

5.24 (10) additional electric load from beneficial electrification and the greenhouse gas
 5.25 emissions savings associated with those loads as compared to serving the load with
 5.26 nonelectric energy sources.

5.27 For the purposes of this paragraph, "beneficial electrification" means the substitution of
 5.28 electricity for a fossil fuel, provided that the substitution meets at least one of the following
 5.29 conditions without adversely affecting either of the other two, as determined by the
 5.30 commission:

6.1 (i) saves a consumer money over the long run compared with continued use of the fossil
 6.2 fuel;

6.3 (ii) enables an electric utility to better manage its electric grid network; or

6.4 (iii) reduces negative environmental impacts of fuel use, including but not limited to
 6.5 statewide greenhouse gas emissions.

6.6 The commission may modify or delay implementation of a standard obligation under
 6.7 clauses (1) to ~~(3)~~ (4) only if it finds implementation would cause significant rate impact,
 6.8 requires significant measures to address reliability, or raises significant technical issues.

6.9 The commission may modify or delay implementation of a standard obligation under clauses
 6.10 ~~(4)~~ (5) to ~~(6)~~ (7) only if it finds that the circumstances described in those clauses were due
 6.11 to circumstances beyond an electric utility's control and make compliance not feasible.

6.12 (b) When evaluating transmission capacity constraints under paragraph (a), clause (7),
 6.13 the commission must consider whether the utility has:

6.14 (1) taken reasonable measures that are under the utility's control and consistent with the
 6.15 utility's obligations under local, state, and federal laws and regulations, and the utility's
 6.16 obligations as a member of a regional transmission organization or independent system
 6.17 operator, to acquire sites, necessary permit approvals, and necessary equipment to develop
 6.18 and construct new transmission lines or upgrade existing transmission lines to transmit
 6.19 electricity generated by eligible energy technologies; and

6.20 (2) taken all reasonable operational measures to maximize cost-effective electricity
 6.21 delivery from eligible energy technologies in advance of transmission availability.

6.22 ~~(b)~~ (c) When considering whether to delay or modify implementation of a standard
 6.23 obligation, the commission must give due consideration to a preference for electric generation
 6.24 through use of eligible energy technology and to the achievement of the standards set by
 6.25 this section.

6.26 ~~(e)~~ (d) An electric utility ~~requesting~~ that requests a modification or delay ~~in~~ to the
 6.27 implementation of a standard must file a plan to comply with ~~its~~ the electric utility's standard
 6.28 obligation ~~in~~ as part of the same proceeding ~~that it is requesting~~ in which the electric utility
 6.29 requests the modification or delay.

6.30 **EFFECTIVE DATE.** This section is effective the day following final enactment.

7.1 Sec. 7. Minnesota Statutes 2022, section 216B.1691, subdivision 2d, is amended to read:

7.2 Subd. 2d. **Commission order.** The commission shall issue necessary orders detailing
 7.3 the criteria and standards ~~by which it will~~ used to measure an electric utility's efforts to meet
 7.4 the ~~renewable energy objectives of subdivision 2 to~~ standards under subdivisions 2a, 2f,
 7.5 and 2g, and determine whether the utility is making the required good faith effort achieving
 7.6 the standards. In this order, the commission shall include criteria and standards that:

7.7 (1) protect against undesirable impacts on the reliability of the utility's system and
 7.8 economic impacts on the utility's ratepayers and that consider technical feasibility; and

7.9 (2) require that the commission shall allow for partial compliance with subdivision 2g
 7.10 from:

7.11 (i) electricity generated from facilities that utilize carbon-free technologies for their
 7.12 electricity generation, but only for the percentage that is carbon-free; and

7.13 (ii) an electric utility's annual purchases from a regional transmission organization net
 7.14 of the electric utility's sales to the regional transmission organization, but only for the
 7.15 percentage of annual net purchases that is carbon-free, which percentage the commission
 7.16 must calculate based on the regional transmission organization's system-wide annual fuel
 7.17 mix or an applicable subregional fuel mix.

7.18 **EFFECTIVE DATE.** This section is effective the day following final enactment.

7.19 Sec. 8. Minnesota Statutes 2022, section 216B.1691, subdivision 2e, is amended to read:

7.20 Subd. 2e. **Rate impact of standard compliance; report.** Each electric utility must
 7.21 submit to the commission and the legislative committees with primary jurisdiction over
 7.22 energy policy a report containing an estimation of the rate impact of activities of the electric
 7.23 utility necessary to comply with this section. In consultation with the Department of
 7.24 Commerce, the commission shall determine a uniform reporting system to ensure that
 7.25 individual utility reports are consistent and comparable, and shall, by order, require each
 7.26 electric utility subject to this section to use that reporting system. The rate impact estimate
 7.27 must be for wholesale rates and, if the electric utility makes retail sales, the estimate shall
 7.28 also be for the impact on the electric utility's retail rates. Those activities include, without
 7.29 limitation, energy purchases, generation facility acquisition and construction, and
 7.30 transmission improvements. ~~An initial report must be submitted within 150 days of May~~
 7.31 ~~28, 2011. After the initial report,~~ A report must be updated and submitted as part of each
 7.32 integrated resource plan or plan modification filed by the electric utility under section
 7.33 216B.2422. The reporting obligation of an electric utility under this subdivision expires

8.1 December 31, 2025, for an electric utility subject to subdivision 2a, paragraph (a), and
8.2 December 31, 2020, for an electric utility subject to subdivision 2a, paragraph (b) 2040.

8.3 **EFFECTIVE DATE.** This section is effective the day following final enactment.

8.4 Sec. 9. Minnesota Statutes 2022, section 216B.1691, subdivision 2f, is amended to read:

8.5 Subd. 2f. **Solar energy standard.** (a) In addition to the requirements of subdivisions 2a
8.6 and ~~2b~~ 2g, each public utility shall generate or procure sufficient electricity generated by
8.7 solar energy to serve its retail electricity customers in Minnesota so that by the end of 2020,
8.8 at least 1.5 percent of the utility's total retail electric sales to retail customers in Minnesota
8.9 is generated by solar energy.

8.10 (b) For a public utility with more than 200,000 retail electric customers, at least ten
8.11 percent of the 1.5 percent goal must be met by solar energy generated by or procured from
8.12 solar photovoltaic devices with a nameplate capacity of 40 kilowatts or less.

8.13 (c) A public utility with between 50,000 and 200,000 retail electric customers:

8.14 (1) must meet at least ten percent of the 1.5 percent goal with solar energy generated by
8.15 or procured from solar photovoltaic devices with a nameplate capacity of 40 kilowatts or
8.16 less; and

8.17 (2) may apply toward the ten percent goal in clause (1) individual customer subscriptions
8.18 of 40 kilowatts or less to a community solar garden program operated by the public utility
8.19 that has been approved by the commission.

8.20 (d) The solar energy standard established in this subdivision is subject to all the provisions
8.21 of this section governing a utility's standard obligation under subdivision 2a.

8.22 (e) It is an energy goal of the state of Minnesota that, by 2030, ten percent of the retail
8.23 electric sales in Minnesota be generated by solar energy.

8.24 (f) For the purposes of calculating the total retail electric sales of a public utility under
8.25 this subdivision, there shall be excluded retail electric sales to customers that are:

8.26 (1) an iron mining extraction and processing facility, including a scam mining facility
8.27 as defined in Minnesota Rules, part 6130.0100, subpart 16; or

8.28 (2) a paper mill, wood products manufacturer, sawmill, or oriented strand board
8.29 manufacturer.

8.30 Those customers may not have included in the rates charged to them by the public utility
8.31 any costs of satisfying the solar standard specified by this subdivision.

9.1 (g) A public utility may not use energy used to satisfy the solar energy standard under
 9.2 this subdivision to satisfy its standard obligation under subdivision 2a. A public utility may
 9.3 not use energy used to satisfy the standard obligation under subdivision 2a to satisfy the
 9.4 solar standard under this subdivision.

9.5 (h) Notwithstanding any law to the contrary, a solar renewable energy credit associated
 9.6 with a solar photovoltaic device installed and generating electricity in Minnesota after
 9.7 August 1, 2013, but before 2020 may be used to meet the solar energy standard established
 9.8 under this subdivision.

9.9 **EFFECTIVE DATE.** This section is effective the day following final enactment.

9.10 Sec. 10. Minnesota Statutes 2022, section 216B.1691, is amended by adding a subdivision
 9.11 to read:

9.12 Subd. 2g. **Carbon-free standard.** In addition to the requirements under subdivisions
 9.13 2a and 2f, each electric utility must generate or procure sufficient electricity generated from
 9.14 a carbon-free energy technology to provide the electric utility's retail customers in Minnesota,
 9.15 or the retail customers of a distribution utility to which the electric utility provides wholesale
 9.16 electric service, so that the electric utility generates or procures an amount of electricity
 9.17 from carbon-free energy technologies that is equivalent to at least the following standard
 9.18 percentages of the electric utility's total retail electric sales to retail customers in Minnesota
 9.19 by the end of the year indicated:

9.20 (1) 2030 80 percent for public utilities; 60 percent for
 9.21 other electric utilities

9.22 (2) 2035 90 percent for all electric utilities

9.23 (3) 2040 100 percent for all electric utilities.

9.24 **EFFECTIVE DATE.** This section is effective the day following final enactment.

9.25 Sec. 11. Minnesota Statutes 2022, section 216B.1691, subdivision 3, is amended to read:

9.26 Subd. 3. **Utility plans filed with commission.** (a) Each electric utility shall report on
 9.27 its plans, activities, and progress with regard to the ~~objectives and standards of~~ standard
 9.28 obligations under this section in its filings under section 216B.2422 or in a separate report
 9.29 submitted to the commission every two years, whichever is more frequent, demonstrating
 9.30 to the commission the utility's effort to comply with this section. In its resource plan or a
 9.31 separate report, each electric utility shall provide a description of:

9.32 (1) the status of the utility's renewable energy mix relative to the ~~objective and standards~~
 9.33 standard obligations;

- 10.1 (2) efforts taken to meet the ~~objective and standards~~ standard obligations;
- 10.2 (3) any obstacles encountered or anticipated in meeting the ~~objective or standards~~; and
- 10.3 standard obligations;
- 10.4 (4) potential solutions to the obstacles;
- 10.5 (5) the number of Minnesotans employed to construct facilities designed to meet the
- 10.6 utility's standard obligations under this section;
- 10.7 (6) efforts taken to retain and retrain workers employed at electric generating facilities
- 10.8 that the utility has ceased operating or designated to cease operating for new positions
- 10.9 constructing or operating facilities used to meet a utility's standard obligation;
- 10.10 (7) the impacts of facilities designed to meet the utility's standard obligations under this
- 10.11 section on environmental justice areas;
- 10.12 (8) efforts made to increase the diversity of both the utility's workforce and vendors;
- 10.13 and
- 10.14 (9) for an electric utility utilizing renewable energy credits to satisfy any portion of its
- 10.15 obligations under this section, the following information:
- 10.16 (i) the name and location of energy facilities that generated the energy associated with
- 10.17 the credits;
- 10.18 (ii) the dates when the energy associated with the credits was generated;
- 10.19 (iii) the type of fuel that generated the energy associated with the credits; and
- 10.20 (iv) whether the energy associated with the credits was purchased by the utility purchasing
- 10.21 the credits.
- 10.22 (b) The commissioner shall compile the information provided to the commission under
- 10.23 paragraph (a), and report to the chairs of the house of representatives and senate committees
- 10.24 with jurisdiction over energy and environment policy issues as to the progress of utilities
- 10.25 in the state, including the progress of each individual electric utility, in increasing the amount
- 10.26 of renewable energy provided to retail customers, with any recommendations for regulatory
- 10.27 or legislative action, by January 15 of each odd-numbered year.

10.28 **EFFECTIVE DATE.** This section is effective the day following final enactment.

10.29 Sec. 12. Minnesota Statutes 2022, section 216B.1691, subdivision 4, is amended to read:

10.30 Subd. 4. **Renewable energy credits.** (a) To facilitate compliance with this section, the

10.31 commission, by rule or order, shall establish by January 1, 2008, a program for tradable

11.1 renewable energy credits for electricity generated by eligible energy technology. The credits
 11.2 must represent energy produced by an eligible energy technology, as defined in subdivision
 11.3 1. Each kilowatt-hour of renewable energy credits must be treated the same as a kilowatt-hour
 11.4 of eligible energy technology generated or procured by an electric utility if it is produced
 11.5 by an eligible energy technology. The program must permit a credit to be used only once,
 11.6 except that a credit may be used to satisfy both the carbon-free energy standard obligation
 11.7 under subdivision 2g and either the renewable energy standard obligation under subdivision
 11.8 2a or the solar energy standard obligation under subdivision 2f, if the credit meets the
 11.9 requirements of each subdivision. The program must treat all eligible energy technology
 11.10 equally and shall not give more or less credit to energy based on the state where the energy
 11.11 was generated or the technology with which the energy was generated. The commission
 11.12 must determine the period in which the credits may be used for purposes of the program.

11.13 (b) In lieu of generating or procuring energy directly to satisfy ~~the eligible energy~~
 11.14 ~~technology objective or a standard of this section~~ obligation under subdivision 2a, 2f, or
 11.15 2g, an electric utility may utilize renewable energy credits allowed under the program to
 11.16 satisfy the ~~objective or standard~~.

11.17 (c) The commission shall facilitate the trading of renewable energy credits between
 11.18 states.

11.19 (d) The commission shall require all electric utilities to participate in a
 11.20 commission-approved credit-tracking system or systems. Once a credit-tracking system is
 11.21 in operation, the commission shall issue an order establishing protocols for trading credits.

11.22 ~~(e) An electric utility subject to subdivision 2a, paragraph (b), may not sell renewable~~
 11.23 ~~energy credits to an electric utility subject to subdivision 2a, paragraph (a), until 2021.~~

11.24 **EFFECTIVE DATE.** This section is effective the day following final enactment.

11.25 Sec. 13. Minnesota Statutes 2022, section 216B.1691, subdivision 5, is amended to read:

11.26 Subd. 5. **Technology based on fuel combustion.** (a) Electricity produced by fuel
 11.27 combustion through fuel blending or co-firing under paragraph (b) may only count toward
 11.28 a utility's ~~objectives or standards~~ standard obligation under subdivision 2a if the generation
 11.29 facility:

11.30 (1) was constructed in compliance with new source performance standards promulgated
 11.31 under the federal Clean Air Act, United States Code, title 42, section 7401 et seq., for a
 11.32 generation facility of that type; or

12.1 (2) employs the maximum achievable or best available control technology available for
 12.2 a generation facility of that type.

12.3 (b) An eligible energy technology may blend or co-fire a fuel listed in subdivision 1,
 12.4 paragraph ~~(a)~~ (c), clause (5), with other fuels in the generation facility, but only the percentage
 12.5 of electricity that is attributable to a fuel listed in that clause can be counted toward an
 12.6 electric utility's ~~renewable energy objectives~~ standard obligation under subdivision 2a.

12.7 **EFFECTIVE DATE.** This section is effective the day following final enactment.

12.8 Sec. 14. Minnesota Statutes 2022, section 216B.1691, subdivision 7, is amended to read:

12.9 Subd. 7. **Compliance.** The commission must regularly investigate whether an electric
 12.10 utility is in compliance with ~~its good faith objective under subdivision 2 and the electric~~
 12.11 utility's standard obligation under subdivision subdivisions 2a, 2f, and 2g. If the commission
 12.12 finds noncompliance, it may order the electric utility to construct facilities, purchase energy
 12.13 generated by eligible energy technology, purchase renewable energy credits, or engage in
 12.14 other activities to achieve compliance. If an electric utility fails to comply with an order
 12.15 under this subdivision, the commission may impose a financial penalty on the electric utility
 12.16 in an amount not to exceed the estimated cost of the electric utility to achieve compliance.
 12.17 The penalty may not exceed the lesser of the cost of constructing facilities or purchasing
 12.18 credits. The commission must deposit financial penalties imposed under this subdivision
 12.19 in the energy and conservation account established in the special revenue fund under section
 12.20 216B.241, subdivision 2a. This subdivision is in addition to and does not limit any other
 12.21 authority of the commission to enforce this section.

12.22 **EFFECTIVE DATE.** This section is effective the day following final enactment.

12.23 Sec. 15. Minnesota Statutes 2022, section 216B.1691, subdivision 9, is amended to read:

12.24 Subd. 9. **Local benefits.** (a) The commission shall take all reasonable actions within its
 12.25 the commission's statutory authority to ensure this section is implemented to maximize in
 12.26 a manner that maximizes net benefits to all Minnesota citizens, balancing. Reasonable
 12.27 actions the commission must take and benefits that must be maximized include but are not
 12.28 limited to:

12.29 (1) the creation of high-quality jobs in Minnesota paying wages that support families;

12.30 (2) recognition of the rights of workers to organize and unionize;

13.1 (3) ensuring that workers have the necessary tools, opportunities, and economic assistance
 13.2 to adapt successfully during the energy transition, particularly in environmental justice
 13.3 areas;

13.4 (4) ensuring that all Minnesotans share (i) the benefits of clean and renewable energy,
 13.5 and (ii) the opportunity to participate fully in the clean energy economy;

13.6 (5) ensuring that statewide air emissions are reduced, particularly in environmental
 13.7 justice areas; and

13.8 (6) the provision of affordable electric service to Minnesotans, particularly to low-income
 13.9 consumers.

13.10 (b) The commission must also implement this section in a manner that balances factors
 13.11 such as local ownership of or participation in energy production, development and ownership
 13.12 of eligible energy technology facilities by independent power producers, Minnesota utility
 13.13 ownership of eligible energy technology facilities, the costs of energy generation to satisfy
 13.14 the renewable ~~standard~~ and carbon-free standards, and the reliability of electric service to
 13.15 Minnesotans.

13.16 (c) When making investments to meet the requirements under this section, utilities are
 13.17 encouraged to locate new energy generating facilities in Minnesota communities where
 13.18 fossil-fuel-generating plants have been retired or are scheduled for retirement.

13.19 **EFFECTIVE DATE.** This section is effective the day following final enactment.

13.20 Sec. 16. Minnesota Statutes 2022, section 216B.1691, subdivision 10, is amended to read:

13.21 **Subd. 10. Utility acquisition of resources.** A competitive resource acquisition process
 13.22 established by the commission prior to June 1, 2007, shall not apply to a utility for the
 13.23 construction, ownership, and operation of generation facilities used to satisfy the requirements
 13.24 of this section unless, upon a finding that it is in the public interest, the commission issues
 13.25 an order on or after June 1, 2007, that requires compliance by a utility with a competitive
 13.26 resource acquisition process. A utility that owns a nuclear generation facility and intends
 13.27 to construct, own, or operate facilities under this section shall file with the commission ~~on~~
 13.28 ~~or before March 1, 2008,~~ as part of the utility's filing under section 216B.2422 a renewable
 13.29 energy plan setting forth the manner in which the utility proposes to meet the requirements
 13.30 of this section. ~~The utility shall update the plan as necessary in its filing under section~~
 13.31 ~~216B.2422.~~ The commission shall approve the plan unless it determines, after public hearing
 13.32 and comment, that the plan is not in the public interest. As part of its determination of public
 13.33 interest, the commission shall consider the plan's impact on balancing the state's interest in:

14.1 (1) promoting the policy of economic development in rural areas through the development
14.2 of renewable energy projects, as expressed in subdivision 9;

14.3 (2) maintaining the reliability of the state's electric power grid; and

14.4 (3) minimizing cost impacts on ratepayers.

14.5 **EFFECTIVE DATE.** This section is effective the day following final enactment.

14.6 Sec. 17. Minnesota Statutes 2022, section 216B.2422, subdivision 1, is amended to read:

14.7 Subdivision 1. **Definitions.** (a) For purposes of this section, the terms defined in this
14.8 subdivision have the meanings given them.

14.9 (b) "Utility" means an entity with the capability of generating 100,000 kilowatts or more
14.10 of electric power and serving, either directly or indirectly, the needs of 10,000 retail
14.11 customers in Minnesota. Utility does not include federal power agencies.

14.12 (c) "Renewable energy" means electricity generated through use of any of the following
14.13 resources:

14.14 (1) wind;

14.15 (2) solar;

14.16 (3) geothermal;

14.17 (4) hydro;

14.18 (5) trees or other vegetation;

14.19 (6) landfill gas; or

14.20 (7) predominantly organic components of wastewater effluent, sludge, or related
14.21 by-products from publicly owned treatment works, but not including incineration of
14.22 wastewater sludge.

14.23 (d) "Resource plan" means a set of resource options that a utility could use to meet the
14.24 service needs of its customers over a forecast period, including an explanation of the supply
14.25 and demand circumstances under which, and the extent to which, each resource option
14.26 would be used to meet those service needs. These resource options include using,
14.27 refurbishing, and constructing utility plant and equipment, buying power generated by other
14.28 entities, controlling customer loads, and implementing customer energy conservation.

14.29 (e) "Refurbish" means to rebuild or substantially modify an existing electricity generating
14.30 resource of 30 megawatts or greater.

15.1 (f) "Energy storage system" means a commercially available technology that:

15.2 (1) uses mechanical, chemical, or thermal processes to:

15.3 (i) store energy, including energy generated from renewable resources and energy that
15.4 would otherwise be wasted, and deliver the stored energy for use at a later time; or

15.5 (ii) store thermal energy for direct use for heating or cooling at a later time in a manner
15.6 that reduces the demand for electricity at the later time;

15.7 (2) is composed of stationary equipment;

15.8 (3) if being used for electric grid benefits, is operationally visible and capable of being
15.9 controlled by the distribution or transmission entity managing it, to enable and optimize the
15.10 safe and reliable operation of the electric system; and

15.11 (4) achieves any of the following:

15.12 (i) reduces peak or electrical demand;

15.13 (ii) defers the need or substitutes for an investment in electric generation, transmission,
15.14 or distribution assets;

15.15 (iii) improves the reliable operation of the electrical transmission or distribution systems,
15.16 while ensuring transmission or distribution needs are not created; or

15.17 (iv) lowers customer costs by storing energy when the cost of generating or purchasing
15.18 it is low and delivering it to customers when the costs are high.

15.19 (g) "Local job impacts" means the impacts of a certificate of need, a power purchase
15.20 agreement, or commission approval of a new or refurbished energy facility on the availability
15.21 of construction employment opportunities to local workers.

15.22 (h) "Local workers" means workers who:

15.23 (1) are employed to construct and maintain energy infrastructure; and

15.24 (2) are Minnesota residents, are residents of the utility's service territory, or permanently
15.25 reside within 150 miles of a proposed new or refurbished energy facility.

15.26 **EFFECTIVE DATE.** This section is effective the day following final enactment.

15.27 Sec. 18. Minnesota Statutes 2022, section 216B.2422, subdivision 3, is amended to read:

15.28 Subd. 3. **Environmental costs.** (a) The commission shall, to the extent practicable,
15.29 quantify and establish a range of environmental costs associated with each method of
15.30 electricity generation. A utility shall use the values established by the commission in

16.1 conjunction with other external factors, including socioeconomic costs, when evaluating
16.2 and selecting resource options in all proceedings before the commission, including resource
16.3 plan and certificate of need proceedings.

16.4 (b) The commission shall provisionally adopt and apply the draft cost of greenhouse gas
16.5 emissions valuations presented in the United States Environmental Protection Agency's
16.6 EPA External Review Draft of Report on the Social Cost of Greenhouse Gases: Estimates
16.7 Incorporating Recent Scientific Advances, released in September 2022, including the time
16.8 horizon, global estimates of damages, and the full range of discount rates from 2.5 to 1.5
16.9 percent, with two percent as the central estimate. The commission shall adopt the estimates
16.10 contained in the final version of the external review draft report when it becomes available.

16.11 (c) If, at any time, the estimates adopted by the commission under paragraph (a) are
16.12 exceeded by estimates released by the federal Interagency Working Group on the Social
16.13 Cost of Greenhouse Gases or its successors, the commission shall adopt the working group
16.14 estimates.

16.15 (d) The commission shall establish interim environmental cost values associated with
16.16 each method of electricity generation by March 1, 1994. These values expire on the date
16.17 the commission establishes environmental cost values under paragraph (a).

16.18 **EFFECTIVE DATE.** This section is effective the day following final enactment.

16.19 Sec. 19. Minnesota Statutes 2022, section 216B.2422, is amended by adding a subdivision
16.20 to read:

16.21 **Subd. 4a. Preference for local job creation.** As part of a resource plan filing, a utility
16.22 must report on associated local job impacts and the steps the utility and the utility's energy
16.23 suppliers and contractors are taking to maximize the availability of construction employment
16.24 opportunities for local workers. The commission must consider local job impacts and give
16.25 preference to proposals that maximize the creation of construction employment opportunities
16.26 for local workers, consistent with the public interest, when evaluating any utility proposal
16.27 that involves the selection or construction of facilities used to generate or deliver energy to
16.28 serve the utility's customers, including but not limited to an integrated resource plan, a
16.29 certificate of need, a power purchase agreement, or commission approval of a new or
16.30 refurbished electric generation facility. The commission must, to the maximum extent
16.31 possible, prioritize the hiring of workers from communities hosting retiring electric generation
16.32 facilities, including workers previously employed at the retiring facilities.

17.1 **EFFECTIVE DATE.** This section is effective the day following final enactment and
 17.2 applies to an integrated resource plan filed with the commission on or after that date.

17.3 Sec. 20. Minnesota Statutes 2022, section 216B.2422, is amended by adding a subdivision
 17.4 to read:

17.5 Subd. 4b. **Preference for domestic content.** The commission may give preference in
 17.6 resource selection to projects utilizing energy technologies produced domestically by entities
 17.7 who received an advanced manufacturing tax credit for those technologies under section
 17.8 45X of the Internal Revenue Code as allowed under the federal Inflation Reduction Act of
 17.9 2022, Public Law 117-169.

17.10 **EFFECTIVE DATE.** This section is effective the day following final enactment.

17.11 Sec. 21. Minnesota Statutes 2022, section 216B.2422, subdivision 5, is amended to read:

17.12 Subd. 5. **Bidding; exemption from certificate of need proceeding.** (a) A utility may
 17.13 select resources to meet its projected energy demand through a bidding process approved
 17.14 or established by the commission. A utility shall use the environmental cost estimates
 17.15 determined under subdivision 3 ~~in~~ and consider local job impacts when evaluating bids
 17.16 submitted in a process established under this subdivision.

17.17 (b) Notwithstanding any other provision of this section, if an electric power generating
 17.18 plant, as described in section 216B.2421, subdivision 2, clause (1), is selected in a bidding
 17.19 process approved or established by the commission, a certificate of need proceeding under
 17.20 section 216B.243 is not required.

17.21 (c) A certificate of need proceeding is also not required for an electric power generating
 17.22 plant that has been selected in a bidding process approved or established by the commission,
 17.23 or such other selection process approved by the commission, to satisfy, in whole or in part,
 17.24 the wind power mandate of section 216B.2423 or the biomass mandate of section 216B.2424.

17.25 **EFFECTIVE DATE.** This section is effective the day following final enactment and
 17.26 applies to an integrated resource plan filed with the commission on or after that date.

17.27 Sec. 22. Minnesota Statutes 2022, section 216B.2422, is amended by adding a subdivision
 17.28 to read:

17.29 Subd. 8. **Carbon dioxide emissions reduction.** (a) The commission may issue an order
 17.30 to reduce carbon dioxide emissions from coal-fired electric generating units located in
 17.31 Minnesota that do not have applicable capacity obligations with a regional transmission

18.1 organization and are wholly owned by a public utility required to file a resource plan under
 18.2 this section. The order may:

18.3 (1) require the public utility to develop and implement a plan to operate such units only
 18.4 during the months of June, July, August, December, January, and February, other than for
 18.5 emergency or reliability purposes; or

18.6 (2) establish an annual limit on the carbon dioxide emissions from such units.

18.7 (b) Nothing in this subdivision affects a public utility's obligation to comply with the
 18.8 provisions of section 216B.1691.

18.9 **EFFECTIVE DATE.** This section is effective the day following final enactment.

18.10 Sec. 23. Minnesota Statutes 2022, section 216B.243, subdivision 8, is amended to read:

18.11 Subd. 8. **Exemptions.** (a) This section does not apply to:

18.12 (1) cogeneration or small power production facilities as defined in the Federal Power
 18.13 Act, United States Code, title 16, section 796, paragraph (17), subparagraph (A), and
 18.14 paragraph (18), subparagraph (A), and having a combined capacity at a single site of less
 18.15 than 80,000 kilowatts; plants or facilities for the production of ethanol or fuel alcohol; or
 18.16 any case where the commission has determined after being advised by the attorney general
 18.17 that its application has been preempted by federal law;

18.18 (2) a high-voltage transmission line proposed primarily to distribute electricity to serve
 18.19 the demand of a single customer at a single location, unless the applicant opts to request
 18.20 that the commission determine need under this section or section 216B.2425;

18.21 (3) the upgrade to a higher voltage of an existing transmission line that serves the demand
 18.22 of a single customer that primarily uses existing rights-of-way, unless the applicant opts to
 18.23 request that the commission determine need under this section or section 216B.2425;

18.24 (4) a high-voltage transmission line of one mile or less required to connect a new or
 18.25 upgraded substation to an existing, new, or upgraded high-voltage transmission line;

18.26 (5) conversion of the fuel source of an existing electric generating plant to using natural
 18.27 gas;

18.28 (6) the modification of an existing electric generating plant to increase efficiency, as
 18.29 long as the capacity of the plant is not increased more than ten percent or more than 100
 18.30 megawatts, whichever is greater;

19.1 (7) a large wind energy conversion system, as defined in section 216F.01, subdivision
 19.2 2, or a solar electric generation facility energy generating system, as defined in section
 19.3 216E.01, subdivision 9a, if the system ~~or facility~~ is owned and operated by an independent
 19.4 power producer and the electric output of the system ~~or facility~~:

19.5 (i) is not sold to an entity that provides retail service in Minnesota or wholesale electric
 19.6 service to another entity in Minnesota other than an entity that is a federally recognized
 19.7 regional transmission organization or independent system operator; or

19.8 (ii) is sold to an entity that provides retail service in Minnesota or wholesale electric
 19.9 service to another entity in Minnesota other than an entity that is a federally recognized
 19.10 regional transmission organization or independent system operator, provided that the system
 19.11 represents solar or wind capacity that the entity purchasing the system's electric output was
 19.12 ordered by the commission to develop in the entity's most recent integrated resource plan
 19.13 approved under section 216B.2422; or

19.14 (8) a large wind energy conversion system, as defined in section 216F.01, subdivision
 19.15 2, or a solar energy generating system that is a large energy facility, as defined in section
 19.16 216B.2421, subdivision 2, engaging in a repowering project that:

19.17 (i) will not result in the facility system exceeding the nameplate capacity under its most
 19.18 recent interconnection agreement; or

19.19 (ii) will result in the facility system exceeding the nameplate capacity under its most
 19.20 recent interconnection agreement, provided that the Midcontinent Independent System
 19.21 Operator has provided a signed generator interconnection agreement that reflects the expected
 19.22 net power increase.

19.23 (b) For the purpose of this subdivision, "repowering project" means:

19.24 (1) modifying a large wind energy conversion system or a solar energy generating system
 19.25 that is a large energy facility to increase its efficiency without increasing its nameplate
 19.26 capacity;

19.27 (2) replacing turbines in a large wind energy conversion system without increasing the
 19.28 nameplate capacity of the system; or

19.29 (3) increasing the nameplate capacity of a large wind energy conversion system.

19.30 **EFFECTIVE DATE.** This section is effective the day following final enactment and
 19.31 applies to a large wind energy conversion system or a solar energy generating system whose
 19.32 owner has filed an application for a certificate of need with the Public Utilities Commission
 19.33 on or after that date.

20.1 Sec. 24. Minnesota Statutes 2022, section 216E.01, subdivision 9a, is amended to read:

20.2 Subd. 9a. **Solar energy generating system.** "Solar energy generating system" means a
20.3 set of devices whose primary purpose is to produce electricity by means of any combination
20.4 of collecting, transferring, or converting solar-generated energy, and may include
20.5 transmission lines designed for and capable of operating at 100 kilovolts or less that
20.6 interconnect a solar energy generating system with a high-voltage transmission line.

20.7 **EFFECTIVE DATE.** This section is effective the day following final enactment.

20.8 Sec. 25. Minnesota Statutes 2022, section 216E.03, subdivision 5, is amended to read:

20.9 Subd. 5. **Environmental review.** (a) The commissioner of the Department of Commerce
20.10 shall prepare for the commission an environmental impact statement on each proposed large
20.11 electric power generating plant or high-voltage transmission line for which a complete
20.12 application has been submitted. The commissioner shall not consider whether or not the
20.13 project is needed. No other state environmental review documents shall be required. The
20.14 commissioner shall study and evaluate any site or route proposed by an applicant and any
20.15 other site or route the commission deems necessary that was proposed in a manner consistent
20.16 with rules concerning the form, content, and timeliness of proposals for alternate sites or
20.17 routes, excluding any alternate site for a solar energy generating system that was not proposed
20.18 by an applicant.

20.19 (b) For a cogeneration facility as defined in section 216H.01, subdivision 1a, that is a
20.20 large electric power generating plant and is not proposed by a utility, the commissioner
20.21 must make a finding in the environmental impact statement whether the project is likely to
20.22 result in a net reduction of carbon dioxide emissions, considering both the utility providing
20.23 electric service to the proposed cogeneration facility and any reduction in carbon dioxide
20.24 emissions as a result of increased efficiency from the production of thermal energy on the
20.25 part of the customer operating or owning the proposed cogeneration facility.

20.26 **EFFECTIVE DATE.** This section is effective the day following final enactment.

20.27 Sec. 26. Minnesota Statutes 2022, section 216E.03, subdivision 7, is amended to read:

20.28 Subd. 7. **Considerations in designating sites and routes.** (a) The commission's site
20.29 and route permit determinations must be guided by the state's goals to conserve resources,
20.30 minimize environmental impacts, minimize human settlement and other land use conflicts,
20.31 and ensure the state's electric energy security through efficient, cost-effective power supply
20.32 and electric transmission infrastructure.

21.1 (b) To facilitate the study, research, evaluation, and designation of sites and routes, the
21.2 commission shall be guided by, but not limited to, the following considerations:

21.3 (1) evaluation of research and investigations relating to the effects on land, water and
21.4 air resources of large electric power generating plants and high-voltage transmission lines
21.5 and the effects of water and air discharges and electric and magnetic fields resulting from
21.6 such facilities on public health and welfare, vegetation, animals, materials and aesthetic
21.7 values, including baseline studies, predictive modeling, and evaluation of new or improved
21.8 methods for minimizing adverse impacts of water and air discharges and other matters
21.9 pertaining to the effects of power plants on the water and air environment;

21.10 (2) environmental evaluation of sites and routes proposed for future development and
21.11 expansion and their relationship to the land, water, air and human resources of the state;

21.12 (3) evaluation of the effects of new electric power generation and transmission
21.13 technologies and systems related to power plants designed to minimize adverse environmental
21.14 effects;

21.15 (4) evaluation of the potential for beneficial uses of waste energy from proposed large
21.16 electric power generating plants;

21.17 (5) analysis of the direct and indirect economic impact of proposed sites and routes
21.18 including, but not limited to, productive agricultural land lost or impaired;

21.19 (6) evaluation of adverse direct and indirect environmental effects that cannot be avoided
21.20 should the proposed site and route be accepted;

21.21 (7) evaluation of alternatives to the applicant's proposed site or route proposed pursuant
21.22 to subdivisions 1 and 2;

21.23 (8) evaluation of potential routes that would use or parallel existing railroad and highway
21.24 rights-of-way;

21.25 (9) evaluation of governmental survey lines and other natural division lines of agricultural
21.26 land so as to minimize interference with agricultural operations;

21.27 (10) evaluation of the future needs for additional high-voltage transmission lines in the
21.28 same general area as any proposed route, and the advisability of ordering the construction
21.29 of structures capable of expansion in transmission capacity through multiple circuiting or
21.30 design modifications;

21.31 (11) evaluation of irreversible and irretrievable commitments of resources should the
21.32 proposed site or route be approved; ~~and~~

22.1 (12) when appropriate, consideration of problems raised by other state and federal
22.2 agencies and local entities;

22.3 (13) evaluation of the benefits of the proposed facility with respect to the protection and
22.4 enhancement of environmental quality and the reliability of state and regional energy
22.5 supplies;

22.6 (14) evaluation of the proposed facility's impact on socioeconomic factors; and

22.7 (15) evaluation of the proposed facility's employment and economic impacts in the
22.8 vicinity of the facility site and throughout the state, including the quantity and quality of
22.9 construction and permanent jobs and their compensation levels. The commission must
22.10 consider a facility's local employment and economic impacts, and may reject or place
22.11 conditions on a site or route permit based on these factors.

22.12 (c) If the commission's rules are substantially similar to existing regulations of a federal
22.13 agency to which the utility in the state is subject, the federal regulations must be applied by
22.14 the commission.

22.15 (d) No site or route shall be designated which violates state agency rules.

22.16 (e) The commission must make specific findings that it has considered locating a route
22.17 for a high-voltage transmission line on an existing high-voltage transmission route and the
22.18 use of parallel existing highway right-of-way and, to the extent those are not used for the
22.19 route, the commission must state the reasons.

22.20 **EFFECTIVE DATE.** This section is effective the day following final enactment.

22.21 Sec. 27. Minnesota Statutes 2022, section 216E.03, subdivision 10, is amended to read:

22.22 Subd. 10. **Final decision.** (a) No site permit shall be issued in violation of the site
22.23 selection standards and criteria established in this section and in rules adopted by the
22.24 commission. When the commission designates a site, it shall issue a site permit to the
22.25 applicant with any appropriate conditions. The commission shall publish a notice of its
22.26 decision in the State Register within 30 days of issuance of the site permit.

22.27 (b) No route permit shall be issued in violation of the route selection standards and
22.28 criteria established in this section and in rules adopted by the commission. When the
22.29 commission designates a route, it shall issue a permit for the construction of a high-voltage
22.30 transmission line specifying the design, routing, right-of-way preparation, and facility
22.31 construction it deems necessary, and with any other appropriate conditions. The commission
22.32 may order the construction of high-voltage transmission line facilities that are capable of

23.1 expansion in transmission capacity through multiple circuiting or design modifications. The
 23.2 commission shall publish a notice of its decision in the State Register within 30 days of
 23.3 issuance of the permit.

23.4 (c) The commission must require as a condition of permit issuance, including issuance
 23.5 of a modified permit for a repowering project, as defined in section 216B.243, subdivision
 23.6 8, paragraph (b), that the recipient of a site permit to construct a large electric power
 23.7 generating plant, including all of the permit recipient's construction contractors and
 23.8 subcontractors on the project:

23.9 (1) pay no less than the prevailing wage rate, as defined in section 177.42; and

23.10 (2) be subject to the requirements and enforcement provisions of sections 177.27, 177.30,
 23.11 177.32, 177.41 to 177.435, and 177.45.

23.12 **EFFECTIVE DATE.** This section is effective the day following final enactment.

23.13 Sec. 28. Minnesota Statutes 2022, section 216E.03, subdivision 11, is amended to read:

23.14 Subd. 11. **Department of Commerce to provide technical expertise and other**
 23.15 **assistance.** (a) The commissioner of the Department of Commerce shall consult with other
 23.16 state agencies and provide technical expertise and other assistance to the commission or to
 23.17 individual members of the commission for activities and proceedings under this chapter
 23.18 and chapters 216F and 216G. This assistance shall include the sharing of power plant siting
 23.19 and routing staff and other resources as necessary. The commissioner shall periodically
 23.20 report to the commission concerning the Department of Commerce's costs of providing
 23.21 assistance. The report shall conform to the schedule and include the required contents
 23.22 specified by the commission. The commission shall include the costs of the assistance in
 23.23 assessments for activities and proceedings under those sections and reimburse the special
 23.24 revenue fund for those costs. If either the commissioner or the commission deems it
 23.25 necessary, the department and the commission shall enter into an interagency agreement
 23.26 establishing terms and conditions for the provision of assistance and sharing of resources
 23.27 under this subdivision.

23.28 (b) Notwithstanding the requirements of section 216B.33, the commissioner may take
 23.29 any action required or requested by the commission related to the environmental review
 23.30 requirements under chapter 216E or 216F immediately following a hearing and vote by the
 23.31 commission, prior to issuing a written order, finding, authorization, or certificate.

23.32 **EFFECTIVE DATE.** This section is effective the day following final enactment.

24.1 Sec. 29. Minnesota Statutes 2022, section 216E.04, subdivision 2, is amended to read:

24.2 Subd. 2. **Applicable projects.** The requirements and procedures in this section apply to
24.3 the following projects:

24.4 (1) large electric power generating plants with a capacity of less than 80 megawatts;

24.5 (2) large electric power generating plants that are fueled by natural gas;

24.6 (3) high-voltage transmission lines of between 100 and 200 kilovolts;

24.7 (4) high-voltage transmission lines in excess of 200 kilovolts and less than ~~five~~ 30 miles
24.8 in length in Minnesota;

24.9 (5) high-voltage transmission lines in excess of 200 kilovolts if at least 80 percent of
24.10 the distance of the line in Minnesota will be located along existing high-voltage transmission
24.11 line right-of-way;

24.12 (6) a high-voltage transmission line service extension to a single customer between 200
24.13 and 300 kilovolts and less than ten miles in length;

24.14 (7) a high-voltage transmission line rerouting to serve the demand of a single customer
24.15 when the rerouted line will be located at least 80 percent on property owned or controlled
24.16 by the customer or the owner of the transmission line; and

24.17 (8) large electric power generating plants that are powered by solar energy.

24.18 **EFFECTIVE DATE.** This section is effective the day following final enactment and
24.19 applies to a high-voltage transmission line in excess of 200 kilovolts whose owner has filed
24.20 an application for a route permit with the Public Utilities Commission on or after that date.

24.21 Sec. 30. Minnesota Statutes 2022, section 216F.04, is amended to read:

24.22 **216F.04 SITE PERMIT.**

24.23 (a) No person may construct an LWECs without a site permit issued by the Public
24.24 Utilities Commission.

24.25 (b) Any person seeking to construct an LWECs shall submit an application to the
24.26 commission for a site permit in accordance with this chapter and any rules adopted by the
24.27 commission. The permitted site need not be contiguous land.

24.28 (c) The commission shall make a final decision on an application for a site permit for
24.29 an LWECs within 180 days after acceptance of a complete application by the commission.
24.30 The commission may extend this deadline for cause.

25.1 (d) The commission may place conditions in a permit and may deny, modify, suspend,
25.2 or revoke a permit.

25.3 (e) The commission must require as a condition of permit issuance, including issuance
25.4 of a modified permit for a repowering project, as defined in section 216B.243, subdivision
25.5 8, paragraph (b), that the recipient of a site permit to construct an LWECs with a nameplate
25.6 capacity above 25,000 kilowatts, including all of the permit recipient's construction
25.7 contractors and subcontractors on the project:

25.8 (1) pay no less than the prevailing wage rate, as defined in section 177.42; and

25.9 (2) be subject to the requirements and enforcement provisions of sections 177.27, 177.30,
25.10 177.32, 177.41 to 177.435, and 177.45.

25.11 **EFFECTIVE DATE.** This section is effective the day following final enactment.

25.12 Sec. 31. **MINNESOTA PUBLIC UTILITIES COMMISSION PROCEEDINGS;**
25.13 **REVISED AFFILIATE INTEREST AGREEMENTS.**

25.14 Nothing in this act shall affect consideration by the Minnesota Public Utilities
25.15 Commission of revised affiliated interest agreements that were previously approved for an
25.16 energy facility in docket number E015/AI-17-568. This section shall not be interpreted to
25.17 affect a public interest determination on this energy facility in any subsequent resource
25.18 planning docket or a prudence determination in any subsequent rate case. Nothing in this
25.19 section affects a public utility's obligation to comply with the provisions of Minnesota
25.20 Statutes, section 216B.1691.

25.21 **EFFECTIVE DATE.** This section is effective the day following final enactment.

25.22 Sec. 32. **REVISOR INSTRUCTION.**

25.23 The revisor of statutes shall make any necessary cross-references changes in Minnesota
25.24 Statutes and Minnesota Rules resulting from the changes made to Minnesota Statutes, section
25.25 216B.1691, subdivision 1, in this act.

25.26 Sec. 33. **REPEALER.**

25.27 Minnesota Statutes 2022, section 216B.1691, subdivision 2, is repealed.

25.28 **EFFECTIVE DATE.** This section is effective the day following final enactment.

216B.1691 RENEWABLE ENERGY OBJECTIVES.

Subd. 2. **Eligible energy objectives.** Each electric utility shall make a good faith effort to generate or procure sufficient electricity generated by an eligible energy technology to provide its retail consumers, or the retail customers of a distribution utility to which the electric utility provides wholesale electric service, so that commencing in 2005, at least one percent of the electric utility's total retail electric sales to retail customers in Minnesota is generated by eligible energy technologies and seven percent of the electric utility's total retail electric sales to retail customers in Minnesota by 2010 is generated by eligible energy technologies.