

1.1 ..... moves to amend H.F. No. 4502 as follows:

1.2 Delete everything after the enacting clause and insert:

1.3 "Section 1. TITLE.

1.4 Sections 2 to 19 may be cited as the "Energy Conservation and Optimization Act of  
1.5 2020."

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

1.7 Sec. 2. [216B.1698] INNOVATIVE CLEAN TECHNOLOGIES.

1.8 (a) For purposes of this section, "innovative clean technology" means advanced energy  
1.9 technology that is:

1.10 (1) environmentally superior to technologies currently in use;

1.11 (2) expected to offer energy-related, environmental, or economic benefits; and

1.12 (3) not widely deployed by the utility industry.

1.13 (b) A public utility may petition the commission for authorization to invest in a project  
1.14 or projects to deploy one or more innovative clean technologies to further the development,  
1.15 commercialization, and deployment of innovative clean technologies that benefit the public  
1.16 utility's customers.

1.17 (c) The commission may approve a petition under paragraph (b) if it finds:

1.18 (1) the technologies proposed are innovative clean technologies;

1.19 (2) the investment in an innovative clean energy technology is likely to provide benefits  
1.20 to customers that exceed the cost;

2.1 (3) the public utility is meeting its energy conservation goals under section 216B.241;  
 2.2 and

2.3 (4) the project meets the spending limits of paragraph (d).

2.4 (d) Over any three consecutive years, a public utility may not spend more on innovative  
 2.5 clean technologies under this section than:

2.6 (1) \$6,000,000, for a public utility providing service to 200,000 or more retail Minnesota  
 2.7 customers; or

2.8 (2) \$3,000,000 for a public utility providing service to fewer than 200,000 retail  
 2.9 Minnesota customers.

2.10 (e) The commission may authorize a public utility to file a rate schedule containing  
 2.11 provisions that automatically adjust charges for public utility service in direct relation to  
 2.12 changes in prudent costs incurred by a public utility under this section, up to the amounts  
 2.13 allowed under paragraph (d). To the extent the public utility investment under this section  
 2.14 is for a capital asset, the utility may request that the asset be included in the utility's rate  
 2.15 base.

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

2.17 Sec. 3. Minnesota Statutes 2018, section 216B.2401, is amended to read:

2.18 **216B.2401 ENERGY SAVINGS AND OPTIMIZATION POLICY GOAL.**

2.19 (a) The legislature finds that energy savings are an energy resource, and that cost-effective  
 2.20 energy savings are preferred over all other energy resources. In addition, the legislature  
 2.21 finds that optimizing the timing and method used by energy consumers to manage energy  
 2.22 use can provide significant benefits to the consumers and to the utility system as a whole.  
 2.23 The legislature further finds that cost-effective energy savings and load management  
 2.24 programs should be procured systematically and aggressively in order to reduce utility costs  
 2.25 for businesses and residents, improve the competitiveness and profitability of businesses,  
 2.26 create more energy-related jobs, reduce the economic burden of fuel imports, and reduce  
 2.27 pollution and emissions that cause climate change. Therefore, it is the energy policy of the  
 2.28 state of Minnesota to achieve annual energy savings ~~equal~~ equivalent to at least ~~1.5~~ 2.5  
 2.29 percent of annual retail energy sales of electricity and natural gas through ~~cost-effective~~  
 2.30 ~~energy conservation improvement programs and rate design, energy efficiency achieved by~~  
 2.31 ~~energy consumers without direct utility involvement, energy codes and appliance standards,~~  
 2.32 ~~programs designed to transform the market or change consumer behavior, energy savings~~  
 2.33 ~~resulting from efficiency improvements to the utility infrastructure and system, and other~~

3.1 ~~efforts to promote energy efficiency and energy conservation.~~ multiple measures, including  
3.2 but not limited to:

3.3 (1) cost-effective energy conservation improvement programs and efficient fuel-switching  
3.4 utility programs under sections 216B.2402 to 216B.241;

3.5 (2) rate design;

3.6 (3) energy efficiency achieved by energy consumers without direct utility involvement;

3.7 (4) advancements in statewide energy codes and cost-effective appliance and equipment  
3.8 standards;

3.9 (5) programs designed to transform the market or change consumer behavior;

3.10 (6) energy savings resulting from efficiency improvements to the utility infrastructure  
3.11 and system; and

3.12 (7) other efforts to promote energy efficiency and energy conservation.

3.13 (b) A utility is encouraged to design and offer to its customers load management programs  
3.14 that enable: (1) customers to maximize the economic value gained from the energy purchased  
3.15 from the customer's utility service provider; and (2) utilities to optimize the infrastructure  
3.16 and generation capacity needed to effectively serve customers and facilitate the integration  
3.17 of renewable energy into the energy system.

3.18 (c) The commissioner must provide a reasonable estimate of progress made toward the  
3.19 statewide energy-savings goal under paragraph (a) in the annual report required under section  
3.20 216B.241, subdivision 1c, and make recommendations for administrative or legislative  
3.21 initiatives to increase energy savings toward that goal. The commissioner must also annually  
3.22 report on the energy productivity of the state's economy by estimating the ratio of economic  
3.23 output produced in the most recently completed calendar year to the primary energy inputs  
3.24 used in that year.

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

3.26 **Sec. 4. [216B.2402] DEFINITIONS.**

3.27 (a) For the purposes of section 216B.16, subdivision 6b, and sections 216B.2401 to  
3.28 216B.241, the terms defined in this section have the meanings given them.

3.29 (b) "Consumer-owned utility" means a municipal gas utility, a municipal electric utility,  
3.30 or a cooperative electric association.

4.1 (c) "Cumulative lifetime savings" means the total electric energy or natural gas savings  
4.2 in a given year from energy conservation improvements installed in that given year and  
4.3 those installed in previous years that are still in operation.

4.4 (d) "Efficient fuel-switching improvement" means a project that:

4.5 (1) replaces a fuel used by a customer with electricity or natural gas delivered at retail  
4.6 by a utility subject to section 216B.2403 or 216B.241;

4.7 (2) results in a net increase in the use of electricity or natural gas and a net decrease in  
4.8 source energy consumption on a fuel-neutral basis;

4.9 (3) otherwise meets the criteria established for consumer-owned utilities in section  
4.10 216B.2403, subdivision 8, and for public utilities under section 216B.241, subdivision 11;  
4.11 and

4.12 (4) requires the installation of equipment that utilizes electricity or natural gas, resulting  
4.13 in a reduction or elimination of the fuel used previously.

4.14 An efficient fuel-switching improvement is not an energy conservation improvement or  
4.15 energy efficiency even if it results in a net reduction in electricity or natural gas use.

4.16 (e) "Energy conservation" means an action that results in a net reduction in electricity  
4.17 or natural gas consumption. Energy conservation does not include an efficient fuel-switching  
4.18 improvement.

4.19 (f) "Energy conservation improvement" means a project that results in energy efficiency  
4.20 or energy conservation. Energy conservation improvement may include waste heat that is  
4.21 recovered and converted into electricity or used as thermal energy, but does not include  
4.22 electric utility infrastructure projects approved by the commission under section 216B.1636.

4.23 (g) "Energy efficiency" means measures or programs, including energy conservation  
4.24 measures or programs, that target consumer behavior, equipment, processes, or devices and  
4.25 are designed to produce a decrease in consumption of electricity or natural gas on either an  
4.26 absolute or per unit of production basis, without reducing the quality or level of service  
4.27 provided to the energy consumer.

4.28 (h) "Fuel" means energy, including electricity, propane, natural gas, heating oil, gasoline,  
4.29 diesel fuel, or steam consumed by a retail utility customer.

4.30 (i) "Fuel neutral" means an approach that compares the use of various fuels for a given  
4.31 end use, using a common metric.

5.1 (j) "Gross annual retail energy sales" means a utility's: (1) annual electric sales to all  
5.2 Minnesota retail customers; or (2) natural gas throughput to all retail customers, including  
5.3 natural gas transportation customers, on a utility's distribution system in Minnesota. Gross  
5.4 annual retail energy sales does not include:

5.5 (1) gas sales to:

5.6 (i) a large energy facility;

5.7 (ii) a large customer facility whose natural gas utility has been exempted by the  
5.8 commissioner under section 216B.241, subdivision 1a, paragraph (a), with respect to natural  
5.9 gas sales made to the large customer facility; and

5.10 (iii) a commercial gas customer facility whose natural gas utility has been exempted by  
5.11 the commissioner under section 216B.241, subdivision 1a, paragraph (b), with respect to  
5.12 natural gas sales made to the commercial gas customer facility;

5.13 (2) electric sales to a large customer facility whose electric utility has been exempted  
5.14 by the commissioner under section 216B.241, subdivision 1a, paragraph (a), with respect  
5.15 to electric sales made to the large facility; or

5.16 (3) the amount of electric sales prior to December 31, 2032, that are associated with a  
5.17 utility's program, rate, or tariff for electric vehicle charging based on a methodology and  
5.18 assumptions developed by the department in consultation with interested stakeholders no  
5.19 later than December 31, 2020. After December 31, 2032, incremental sales to electric  
5.20 vehicles must be included in calculating a utility's gross retail sales.

5.21 (k) "Investments and expenses of a public utility" means the investments and expenses  
5.22 incurred by a public utility in connection with an energy conservation improvement.

5.23 (l) "Large customer facility" means all buildings, structures, equipment, and installations  
5.24 at a single site that in aggregate: (1) impose a peak electrical demand on an electric utility's  
5.25 system of at least 20,000 kilowatts, measured in the same way as the utility that serves the  
5.26 customer facility measures electric demand for billing purposes; or (2) consume at least  
5.27 500,000,000 cubic feet of natural gas annually. When calculating peak electrical demand,  
5.28 a large customer facility may include demand offset by on-site cogeneration facilities and,  
5.29 if engaged in mineral extraction, may include peak energy demand from the large customer  
5.30 facility's mining processing operations.

5.31 (m) "Large energy facility" has the meaning given in section 216B.2421, subdivision 2,  
5.32 clause (1).

6.1 (n) "Lifetime energy savings" means the amount of savings a particular energy  
6.2 conservation improvement is projected to produce over the improvement's effective useful  
6.3 lifetime.

6.4 (o) "Load management" means an activity, service, or technology that changes the timing  
6.5 or the efficiency of a customer's use of energy that allows a utility or a customer to: (1)  
6.6 respond to local and regional energy system conditions; or (2) reduce peak demand for  
6.7 electricity or natural gas. Load management that reduces a customer's net annual energy  
6.8 consumption is also energy conservation.

6.9 (p) "Low-income household" means a household whose household income is 60 percent  
6.10 or less of the state median household income.

6.11 (q) "Low-income programs" means energy conservation improvement programs that  
6.12 directly serve the needs of low-income households, including low-income renters.

6.13 (r) "Member" has the meaning given in section 308B.005, subdivision 15.

6.14 (s) "Multifamily building" means a residential building containing five or more dwelling  
6.15 units.

6.16 (t) "Prewetherization measure" means an improvement that is necessary to allow energy  
6.17 conservation improvements to be installed in a home.

6.18 (u) "Qualifying utility" means a utility that supplies a customer with energy that enables  
6.19 the customer to qualify as a large customer facility.

6.20 (v) "Waste heat recovered and used as thermal energy" means capturing heat energy  
6.21 that would be exhausted or dissipated to the environment from machinery, buildings, or  
6.22 industrial processes, and productively using the recovered thermal energy where it was  
6.23 captured or distributing it as thermal energy to other locations where it is used to reduce  
6.24 demand-side consumption of natural gas, electric energy, or both.

6.25 (w) "Waste heat recovery converted into electricity" means an energy recovery process  
6.26 that converts to electricity energy from the heat of exhaust stacks or pipes used for engines  
6.27 or manufacturing or industrial processes, or from the reduction of high pressure in water or  
6.28 gas pipelines, that would otherwise be lost.

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

6.30 Sec. 5. **[216B.2403] CONSUMER-OWNED UTILITIES; ENERGY CONSERVATION**  
6.31 **AND OPTIMIZATION.**

6.32 Subdivision 1. **Applicability.** This section applies to:

7.1 (1) a cooperative electric association that provides retail service to more than 5,000  
7.2 members;

7.3 (2) a municipality that provides electric service to more than 1,000 retail customers; and

7.4 (3) a municipality with more than 1,000,000,000 cubic feet in annual throughput sales  
7.5 to natural gas retail customers.

7.6 Subd. 2. Consumer-owned utility; energy-savings goal. (a) Each individual  
7.7 consumer-owned utility subject to this section has an annual energy-savings goal equivalent  
7.8 to 1.5 percent of gross annual retail energy sales, to be met with a minimum of energy  
7.9 savings from energy conservation improvements equivalent to at least one percent of the  
7.10 consumer-owned utility's gross annual retail energy sales. The balance of energy savings  
7.11 toward the annual energy-savings goal may be achieved only by the following  
7.12 consumer-owned utility activities:

7.13 (1) energy savings from additional energy conservation improvements;

7.14 (2) electric utility infrastructure projects, as defined in section 216B.1636, subdivision  
7.15 1, that result in increased efficiency greater than that which would have occurred through  
7.16 normal maintenance activity;

7.17 (3) net energy savings from efficient fuel-switching improvements that meet the criteria  
7.18 under subdivision 8; or

7.19 (4) subject to department approval, demand-side natural gas or electric energy displaced  
7.20 by use of waste heat recovered and used as thermal energy, including the recovered thermal  
7.21 energy from a cogeneration or combined heat and power facility.

7.22 (b) The energy-savings goals specified in this section must be calculated based on  
7.23 weather-normalized sales averaged over the most recent three years. A consumer-owned  
7.24 utility may elect to carry forward energy savings in excess of 1.5 percent for a year to the  
7.25 next three years, except that savings from electric utility infrastructure projects may be  
7.26 carried forward for five years. A particular energy savings can only be used to meet one  
7.27 year's goal.

7.28 (c) A consumer-owned utility subject to this section is not required to make energy  
7.29 conservation improvements that are not cost-effective, even if the improvement is necessary  
7.30 to attain the energy-savings goal. A consumer-owned utility subject to this section must  
7.31 make reasonable efforts to implement energy conservation improvements that exceed the  
7.32 minimum level established under this subdivision if cost-effective opportunities and funding

8.1 are available, considering other potential investments the consumer-owned utility intends  
8.2 to make to benefit customers during the term of the plan filed under subdivision 3.

8.3 Subd. 3. **Consumer-owned utility; energy conservation and optimization plans.** (a)  
8.4 By June 1, 2022, and at least every three years thereafter, each consumer-owned utility must  
8.5 file with the commissioner an energy conservation and optimization plan that describes the  
8.6 programs for energy conservation, efficient fuel-switching, load management, and other  
8.7 measures the consumer-owned utility plans to offer to achieve its energy savings goal.

8.8 (b) A plan's term may be up to three years. A multiyear plan must identify the total  
8.9 energy savings and energy savings resulting from energy conservation improvements that  
8.10 are projected to be achieved in each year of the plan. A multiyear plan that does not, in each  
8.11 year of the plan, meet both the minimum energy savings goal from energy conservation  
8.12 improvements and the total energy savings goal of 1.5 percent, or lower goals adjusted by  
8.13 the commissioner under paragraph (k), must:

8.14 (1) state why each goal is projected to be unmet; and

8.15 (2) demonstrate how the consumer-owned utility proposes to meet both goals on an  
8.16 average basis over the duration of the plan.

8.17 (c) A plan filed under this subdivision must provide:

8.18 (1) for existing programs, an analysis of the cost-effectiveness of the consumer-owned  
8.19 utility's programs offered under the plan, using a list of baseline energy- and capacity-savings  
8.20 assumptions developed in consultation with the department; and

8.21 (2) for new programs, a preliminary analysis upon which the program will proceed, in  
8.22 parallel with further development of assumptions and standards.

8.23 (d) The commissioner must evaluate a plan filed under this subdivision based on its  
8.24 likelihood to achieve the energy-savings goals established in subdivision 2. The commissioner  
8.25 may make recommendations to a consumer-owned utility regarding ways to increase the  
8.26 effectiveness of the consumer-owned utility's energy conservation activities and programs  
8.27 under this subdivision. The commissioner may recommend that a consumer-owned utility  
8.28 implement a cost-effective energy conservation program, including an energy conservation  
8.29 program suggested by an outside source such as a political subdivision, nonprofit corporation,  
8.30 or community organization.

8.31 (e) Beginning June 1, 2023, and every June 1 thereafter, each consumer-owned utility  
8.32 must file: (1) an annual update identifying the status of its plan filed under this subdivision,  
8.33 including: (i) total expenditures and investments made to date under the plan; and (ii) any

9.1 intended changes to the plan; and (2) a summary of the annual energy-savings achievements  
9.2 under a plan. An annual filing made in the last year of a plan must contain a new plan that  
9.3 complies with this section.

9.4 (f) When evaluating the cost-effectiveness of a consumer-owned utility's energy  
9.5 conservation programs, the consumer-owned utility and the commissioner must consider  
9.6 the costs and benefits to ratepayers, the utility, participants, and society. The commissioner  
9.7 must also consider the rate at which the consumer-owned utility is increasing its energy  
9.8 savings and expenditures on energy conservation, and its lifetime energy savings and  
9.9 cumulative energy savings.

9.10 (g) A consumer-owned utility may annually spend and invest up to ten percent of the  
9.11 total amount spent and invested on energy conservation improvements on research and  
9.12 development projects that meet the definition of energy conservation improvement.

9.13 (h) A generation and transmission cooperative electric association or municipal power  
9.14 agency that provides energy services to consumer-owned utilities may file a plan under this  
9.15 subdivision on behalf of the consumer-owned utilities to which it provides energy services,  
9.16 and may make investments, offer conservation programs, and otherwise fulfill the  
9.17 energy-savings goals and reporting requirements of this subdivision for those  
9.18 consumer-owned utilities on an aggregate basis.

9.19 (i) A consumer-owned utility is prohibited from spending for or investing in energy  
9.20 conservation improvements that directly benefit a large energy facility or a large electric  
9.21 customer facility the commissioner has exempted under section 216B.241, subdivision 1a.

9.22 (j) The energy conservation and optimization plan of a consumer-owned utility may  
9.23 include activities to improve energy efficiency in the public schools served by the utility.  
9.24 These activities may include programs to:

9.25 (1) increase the efficiency of the school's lighting and heating and cooling systems;

9.26 (2) recommission buildings;

9.27 (3) train building operators; and

9.28 (4) provide opportunities to educate students, teachers, and staff regarding energy  
9.29 efficiency measures implemented at the school.

9.30 (k) A consumer-owned utility may request that the commissioner adjust its minimum  
9.31 goal for energy savings from energy conservation improvements under subdivision 2,  
9.32 paragraph (a), for the duration of the plan filed under this subdivision. The request must be

10.1 made by January 1 of the year when the consumer-owned utility must file a plan under this  
10.2 subdivision. The request must be based on:

10.3 (1) historical energy conservation improvement program achievements;

10.4 (2) customer class makeup;

10.5 (3) projected load growth;

10.6 (4) an energy conservation potential study that estimates the amount of cost-effective  
10.7 energy conservation potential that exists in the consumer-owned utility's service territory;

10.8 (5) the cost-effectiveness and quality of the energy conservation programs offered by  
10.9 the consumer-owned utility; and

10.10 (6) other factors the commissioner and consumer-owned utility determine warrant an  
10.11 adjustment.

10.12 The commissioner must adjust the energy savings goal to a level the commissioner determines  
10.13 is supported by the record, but must not approve a minimum energy savings goal from  
10.14 energy conservation improvements that is less than an average of one percent per year over  
10.15 the consecutive years of the plan's duration, including the year the minimum energy savings  
10.16 goal is adjusted.

10.17 Subd. 4. **Consumer-owned utility; energy savings investment.** (a) Except as otherwise  
10.18 provided, a consumer-owned utility that the commissioner determines falls short of the  
10.19 minimum energy savings goal from energy conservation improvements established in  
10.20 subdivision 2, paragraph (a), for three consecutive years during which it has annually spent  
10.21 on energy conservation improvements less than 1.5 percent of its gross operating revenues,  
10.22 for an electric utility, or less than 0.5 percent of its gross operating revenues, for a natural  
10.23 gas utility, must spend no less than the following amounts for energy conservation  
10.24 improvements:

10.25 (1) for a municipality, 0.5 percent of its gross operating revenues from the sale of gas  
10.26 and 1.5 percent of its gross operating revenues from the sale of electricity, excluding gross  
10.27 operating revenues from electric and gas service provided in Minnesota to large electric  
10.28 customer facilities; and

10.29 (2) for a cooperative electric association, 1.5 percent of its gross operating revenues  
10.30 from service provided in the state, excluding gross operating revenues from service provided  
10.31 in Minnesota to large electric customers facilities indirectly through a distribution cooperative  
10.32 electric association.

11.1 (b) The commissioner may not impose the spending requirement under this subdivision  
11.2 if the commissioner has determined that the utility has followed the commissioner's  
11.3 recommendations, if any, provided under subdivision 3, paragraph (d).

11.4 (c) Upon request of a consumer-owned utility, the commissioner may reduce the amount  
11.5 or duration of the spending requirement imposed under this subdivision, or both, if the  
11.6 commissioner determines that the consumer-owned utility's failure to maintain the minimum  
11.7 energy savings goal is the result of:

11.8 (1) a natural disaster or other emergency that is declared by the executive branch through  
11.9 an emergency executive order that affects the consumer-owned utility's service area;

11.10 (2) a unique load distribution experienced by the consumer-owned utility; or

11.11 (3) other factors that the commissioner determines justifies a reduction.

11.12 (d) Unless the commissioner has reduced the duration of the spending requirement under  
11.13 paragraph (c), the spending requirement under this subdivision remains in effect until the  
11.14 consumer-owned utility has met the minimum energy savings goal for three consecutive  
11.15 years.

11.16 **Subd. 5. Energy conservation programs for low-income households.** (a) A  
11.17 consumer-owned utility subject to this section must provide energy conservation programs  
11.18 to low-income households. The commissioner must evaluate a consumer-owned utility's  
11.19 plans under this section by considering the consumer-owned utility's historic spending on  
11.20 energy conservation programs directed to low-income households, the rate of customer  
11.21 participation in and the energy savings resulting from those programs, and the number of  
11.22 low-income persons residing in the consumer-owned utility's service territory. A municipal  
11.23 utility that furnishes natural gas service must spend at least 0.2 percent of its most recent  
11.24 three-year average gross operating revenue from residential customers in Minnesota on  
11.25 energy conservation programs for low-income households. A consumer-owned utility that  
11.26 furnishes electric service must spend at least 0.2 percent of its gross operating revenue from  
11.27 residential customers in Minnesota on energy conservation programs for low-income  
11.28 households. The requirement under this paragraph applies to each generation and transmission  
11.29 cooperative association's aggregate gross operating revenue from the sale of electricity to  
11.30 residential customers in Minnesota by all of its member distribution cooperatives.

11.31 (b) To meet all or part of the spending requirements of paragraph (a), a consumer-owned  
11.32 utility may contribute money to the energy and conservation account established in section  
11.33 216B.241, subdivision 2a. An energy conservation optimization plan must state the amount  
11.34 of contributions the consumer-owned utility plans to make to the energy and conservation

12.1 account. Contributions to the account must be used for energy conservation programs serving  
12.2 low-income households, including renters, located in the service area of the consumer-owned  
12.3 utility making the contribution. Contributions must be remitted to the commissioner by  
12.4 February 1 each year.

12.5 (c) The commissioner must establish energy conservation programs for low-income  
12.6 households funded through contributions to the energy and conservation account under  
12.7 paragraph (b). When establishing energy conservation programs for low-income households,  
12.8 the commissioner must consult political subdivisions, utilities, and nonprofit and community  
12.9 organizations, including organizations providing energy and weatherization assistance to  
12.10 low-income households. The commissioner must record and report expenditures and energy  
12.11 savings achieved as a result of energy conservation programs for low-income households  
12.12 funded through the energy and conservation account in the report required under section  
12.13 216B.241, subdivision 1c, paragraph (f). The commissioner may contract with a political  
12.14 subdivision, nonprofit or community organization, public utility, municipality, or  
12.15 consumer-owned utility to implement low-income programs funded through the energy and  
12.16 conservation account.

12.17 (d) A consumer-owned utility may petition the commissioner to modify its required  
12.18 spending under this subdivision if the consumer-owned utility and the commissioner were  
12.19 unable to expend the amount required for three consecutive years.

12.20 (e) The commissioner must develop and establish guidelines for determining the eligibility  
12.21 of multifamily buildings to participate in energy conservation programs provided to  
12.22 low-income households. Notwithstanding the definition of low-income household in section  
12.23 216B.2402, a consumer-owned utility or association may apply the most recent guidelines  
12.24 published by the department for purposes of determining the eligibility of multifamily  
12.25 buildings to participate in low-income programs. The commissioner must convene a  
12.26 stakeholder group to review and update these guidelines by July 1, 2021, and at least once  
12.27 every five years thereafter. The stakeholder group must include, but is not limited to,  
12.28 representatives of public utilities; municipal electric or gas utilities; electric cooperative  
12.29 associations; multifamily housing owners and developers; and low-income advocates.

12.30 (f) Up to 15 percent of a consumer-owned utility's spending on low-income energy  
12.31 conservation programs may be spent on preweatherization measures. A consumer-owned  
12.32 utility is prohibited from claiming energy savings from preweatherization measures toward  
12.33 the consumer-owned utility's energy savings goal.

13.1 (g) The commissioner must, by order, establish a list of preweatherization measures  
13.2 eligible for inclusion in low-income energy conservation programs no later than March 15,  
13.3 2021.

13.4 (h) A Healthy AIR (Asbestos Insulation Removal) account is established as a separate  
13.5 account in the special revenue fund in the state treasury. A consumer-owned utility may  
13.6 elect to contribute money to the Healthy AIR account to provide preweatherization measures  
13.7 for households eligible for weatherization assistance from the state weatherization assistance  
13.8 program in section 216C.264. Remediation activities must be executed in conjunction with  
13.9 federal weatherization assistance program services. Money contributed to the account by a  
13.10 consumer-owned utility counts toward: (1) the minimum low-income spending requirement  
13.11 under paragraph (a); and (2) the cap on preweatherization measures under paragraph (f).  
13.12 Money in the account is annually appropriated to the commissioner of commerce to pay for  
13.13 Healthy AIR-related activities.

13.14 Subd. 6. **Recovery of expenses.** The commission must allow a cooperative electric  
13.15 association subject to rate regulation under section 216B.026 to recover expenses resulting  
13.16 from: (1) a plan under this section; and (2) assessments and contributions to the energy and  
13.17 conservation account under section 216B.241, subdivision 2a.

13.18 Subd. 7. **Ownership of preweatherization measure or energy conservation**  
13.19 **improvement.** (a) A preweatherization measure or energy conservation improvement  
13.20 installed in a building under this section, excluding a system owned by a consumer-owned  
13.21 utility that is designed to turn off, limit, or vary the delivery of energy, is the exclusive  
13.22 property of the building owner, except to the extent that the improvement is subject to a  
13.23 security interest in favor of the consumer-owned utility in case of a loan to the building  
13.24 owner for the improvement.

13.25 (b) A consumer-owned utility has no liability for loss, damage, or injury directly or  
13.26 indirectly caused by a preweatherization measure or energy conservation improvement,  
13.27 unless a consumer-owned utility is determined to have been negligent in purchasing,  
13.28 installing, or modifying a preweatherization product.

13.29 Subd. 8. **Criteria for efficient fuel-switching improvements.** (a) A fuel-switching  
13.30 improvement is deemed efficient if, applying the technical criteria established under section  
13.31 216B.241, subdivision 1d, paragraph (b), the improvement, relative to the fuel being  
13.32 displaced:

13.33 (1) results in a net reduction in the amount of source energy consumed for a particular  
13.34 use, measured on a fuel-neutral basis;

14.1 (2) results in a net reduction of statewide greenhouse gas emissions, as defined in section  
14.2 216H.01, subdivision 2, over the lifetime of the improvement. For an efficient fuel-switching  
14.3 improvement installed by an electric consumer-owned utility, the reduction in emissions  
14.4 must be measured based on the hourly emissions profile of the consumer-owned utility or  
14.5 its electricity supplier, as reported in the most recent resource plan approved by the  
14.6 commission under section 216B.2422. If the hourly emissions profile is not available, the  
14.7 commissioner must develop a method consumer-owned utilities must use to estimate that  
14.8 value;

14.9 (3) is cost-effective, considering the costs and benefits from the perspective of the  
14.10 consumer-owned utility, participants, and society; and

14.11 (4) is installed and operated in a manner that improves the consumer-owned utility's  
14.12 system load factor.

14.13 (b) For purposes of this subdivision, "source energy" means the total amount of primary  
14.14 energy required to deliver energy services, adjusted for losses in generation, transmission,  
14.15 and distribution, and expressed on a fuel-neutral basis.

14.16 Subd. 9. **Manner of filing and service.** (a) A consumer-owned utility must submit the  
14.17 filings required under this section to the department using the department's electronic filing  
14.18 system. The commissioner may approve an exemption from this requirement if an affected  
14.19 consumer-owned utility is unable to submit filings via the department's electronic filing  
14.20 system. All other interested parties shall submit filings to the department via the department's  
14.21 electronic filing system whenever practicable but may also file by personal delivery or by  
14.22 mail.

14.23 (b) The submission of a document to the department's electronic filing system constitutes  
14.24 service on the department. If a department rule requires service of a notice, order, or other  
14.25 document by the department, a consumer-owned utility, or an interested party upon persons  
14.26 on a service list maintained by the department, service may be made by personal delivery,  
14.27 mail, or electronic service. Electronic service may be made only to persons on the service  
14.28 list that have previously agreed in writing to accept electronic service at an e-mail address  
14.29 provided to the department for electronic service purposes.

14.30 Subd. 10. **Assessment.** The commission or department may assess consumer-owned  
14.31 utilities subject to this section to carry out the purposes of section 216B.241, subdivisions  
14.32 1d, 1e, and 1f. An assessment under this paragraph must be proportionate to the  
14.33 consumer-owned utility's respective gross operating revenue from sales of gas or electric

15.1 service in Minnesota during the previous calendar year. Assessments under this subdivision  
15.2 are not subject to the cap on assessments under section 216B.62 or any other law.

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

15.4 Sec. 6. Minnesota Statutes 2018, section 216B.241, subdivision 1a, is amended to read:

15.5 Subd. 1a. ~~Investment, expenditure, and contribution; public utility~~ Large customer  
15.6 facility. (a) ~~For purposes of this subdivision and subdivision 2, "public utility" has the~~  
15.7 ~~meaning given it in section 216B.02, subdivision 4. Each public utility shall spend and~~  
15.8 ~~invest for energy conservation improvements under this subdivision and subdivision 2 the~~  
15.9 ~~following amounts:~~

15.10 (1) ~~for a utility that furnishes gas service, 0.5 percent of its gross operating revenues~~  
15.11 ~~from service provided in the state;~~

15.12 (2) ~~for a utility that furnishes electric service, 1.5 percent of its gross operating revenues~~  
15.13 ~~from service provided in the state; and~~

15.14 (3) ~~for a utility that furnishes electric service and that operates a nuclear-powered electric~~  
15.15 ~~generating plant within the state, two percent of its gross operating revenues from service~~  
15.16 ~~provided in the state.~~

15.17 ~~For purposes of this paragraph (a), "gross operating revenues" do not include revenues~~  
15.18 ~~from large customer facilities exempted under paragraph (b), or from commercial gas~~  
15.19 ~~customers that are exempted under paragraph (c) or (e).~~

15.20 ~~(b)~~ (a) The owner of a large customer facility may petition the commissioner to exempt  
15.21 both electric and gas utilities serving the large customer facility from ~~the investment and~~  
15.22 ~~expenditure requirements of paragraph (a)~~ contributing to investments and expenditures  
15.23 made under an energy and conservation optimization plan filed under subdivision 2 or  
15.24 section 216B.2403, subdivision 3, with respect to retail revenues attributable to the large  
15.25 customer facility. The filing must include a discussion of the competitive or economic  
15.26 pressures facing the owner of the facility and the efforts taken by the owner to identify,  
15.27 evaluate, and implement energy conservation and efficiency improvements. A filing  
15.28 submitted on or before October 1 of any year must be approved within 90 days and become  
15.29 effective January 1 of the year following the filing, unless the commissioner finds that the  
15.30 owner of the large customer facility has failed to take reasonable measures to identify,  
15.31 evaluate, and implement energy conservation and efficiency improvements. If a facility  
15.32 qualifies as a large customer facility solely due to its peak electrical demand or annual  
15.33 natural gas usage, the exemption may be limited to the qualifying utility if the commissioner

16.1 finds that the owner of the large customer facility has failed to take reasonable measures to  
16.2 identify, evaluate, and implement energy conservation and efficiency improvements with  
16.3 respect to the nonqualifying utility. Once an exemption is approved, the commissioner may  
16.4 request the owner of a large customer facility to submit, not more often than once every  
16.5 five years, a report demonstrating the large customer facility's ongoing commitment to  
16.6 energy conservation and efficiency improvement after the exemption filing. The  
16.7 commissioner may request such reports for up to ten years after the effective date of the  
16.8 exemption, unless the majority ownership of the large customer facility changes, in which  
16.9 case the commissioner may request additional reports for up to ten years after the change  
16.10 in ownership occurs. The commissioner may, within 180 days of receiving a report submitted  
16.11 under this paragraph, rescind any exemption granted under this paragraph upon a  
16.12 determination that the large customer facility is not continuing to make reasonable efforts  
16.13 to identify, evaluate, and implement energy conservation improvements. A large customer  
16.14 facility that is, under an order from the commissioner, exempt from the investment and  
16.15 expenditure requirements of paragraph (a) as of December 31, 2010, is not required to  
16.16 submit a report to retain its exempt status, except as otherwise provided in this paragraph  
16.17 with respect to ownership changes. No exempt large customer facility may participate in a  
16.18 utility conservation improvement program unless the owner of the facility submits a filing  
16.19 with the commissioner to withdraw its exemption.

16.20 ~~(e)~~ (b) A commercial gas customer that is not a large customer facility and that purchases  
16.21 or acquires natural gas from a public utility having fewer than 600,000 natural gas customers  
16.22 in Minnesota may petition the commissioner to exempt gas utilities serving the commercial  
16.23 gas customer from ~~the investment and expenditure requirements of paragraph (a) contributing~~  
16.24 to investments and expenditures made under an energy and conservation optimization plan  
16.25 filed under subdivision 2 or section 216B.2403, subdivision 3, with respect to retail revenues  
16.26 attributable to the commercial gas customer. The petition must be supported by evidence  
16.27 demonstrating that the commercial gas customer has acquired or can reasonably acquire  
16.28 the capability to bypass use of the utility's gas distribution system by obtaining natural gas  
16.29 directly from a supplier not regulated by the commission. The commissioner shall grant the  
16.30 exemption if the commissioner finds that the petitioner has made the demonstration required  
16.31 by this paragraph.

16.32 ~~(d) The commissioner may require investments or spending greater than the amounts~~  
16.33 ~~required under this subdivision for a public utility whose most recent advance forecast~~  
16.34 ~~required under section 216B.2422 or 216C.17 projects a peak demand deficit of 100~~  
16.35 ~~megawatts or greater within five years under midrange forecast assumptions.~~

17.1 ~~(e)~~ (c) A public utility, consumer-owned utility, or owner of a large customer facility  
 17.2 may appeal a decision of the commissioner under paragraph (a) or (b), ~~(e), or (d)~~ to the  
 17.3 commission under subdivision 2. In reviewing a decision of the commissioner under  
 17.4 paragraph (a) or (b), ~~(e), or (d),~~ the commission shall rescind the decision if it finds ~~that the~~  
 17.5 ~~required investments or spending will:~~

17.6 ~~(1) not result in cost-effective energy conservation improvements; or~~

17.7 ~~(2) otherwise~~ the decision is not be in the public interest.

17.8 (d) A public utility is prohibited from spending for or investing in energy conservation  
 17.9 improvements that directly benefit a large energy facility or a large electric customer facility  
 17.10 to which the commissioner has issued an exemption under this section.

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

17.12 Sec. 7. Minnesota Statutes 2018, section 216B.241, subdivision 1c, is amended to read:

17.13 Subd. 1c. **Public utility; energy-saving goals.** (a) The commissioner shall establish  
 17.14 energy-saving goals for energy conservation ~~improvement expenditures~~ improvements and  
 17.15 shall evaluate an energy conservation improvement program on how well it meets the goals  
 17.16 set.

17.17 ~~(b) Each individual~~ A public utility and association shall have providing electric service  
 17.18 has an annual energy-savings goal equivalent to ~~4.5~~ 1.75 percent of gross annual retail  
 17.19 energy sales unless modified by the commissioner under paragraph ~~(d)~~. (c). A public utility  
 17.20 providing natural gas service has an annual energy-savings goal equivalent to one percent  
 17.21 of gross annual retail energy sales, which cannot be lowered by the commissioner. The  
 17.22 savings goals must be calculated based on the most recent three-year weather-normalized  
 17.23 average. A public utility or association providing electric service may elect to carry forward  
 17.24 energy savings in excess of ~~4.5~~ 1.75 percent for a year to the succeeding three calendar  
 17.25 years, except that savings from electric utility infrastructure projects allowed under paragraph  
 17.26 (d) may be carried forward for five years. A public utility providing natural gas service may  
 17.27 elect to carry forward energy savings in excess of one percent for a year to the succeeding  
 17.28 three calendar years. A particular energy savings can only be used ~~only for~~ to meet one  
 17.29 year's goal.

17.30 ~~(e) The commissioner must adopt a filing schedule that is designed to have all utilities~~  
 17.31 ~~and associations operating under an energy-savings plan by calendar year 2010.~~

17.32 ~~(d)~~ (c) In its energy conservation ~~improvement~~ and optimization plan filing, a public  
 17.33 utility or association may request the commissioner to adjust its annual energy-savings

18.1 percentage goal based on its historical conservation investment experience, customer class  
18.2 makeup, load growth, a conservation potential study, or other factors the commissioner  
18.3 determines warrants an adjustment.

18.4 (d) The commissioner may not approve a plan of a public utility that provides for an  
18.5 annual energy-savings goal of less than one percent of gross annual retail energy sales from  
18.6 energy conservation improvements.

18.7 ~~A utility or association may include in its energy conservation plan energy savings from~~  
18.8 The balance of the 1.75 percent annual energy savings goal may be achieved through energy  
18.9 savings from:

18.10 (1) additional energy conservation improvements;

18.11 (2) electric utility infrastructure projects approved by the commission under section  
18.12 216B.1636 that result in increased efficiency greater than that which would have occurred  
18.13 through normal maintenance activity; or waste heat recovery converted into electricity  
18.14 projects that may count as energy savings in addition to a minimum energy savings goal of  
18.15 at least one percent for energy conservation improvements. Energy savings from electric  
18.16 utility infrastructure projects, as defined in section 216B.1636, may be included in the energy  
18.17 conservation plan of a municipal utility or cooperative electric association. Electric utility  
18.18 infrastructure projects must result in increased energy efficiency greater than that which  
18.19 would have occurred through normal maintenance activity

18.20 (3) subject to department approval, demand-side natural gas or electric energy displaced  
18.21 by use of waste heat recovered and used as thermal energy, including the recovered thermal  
18.22 energy from a cogeneration or combined heat and power facility.

18.23 ~~(e) An energy-savings goal is not satisfied by attaining the revenue expenditure~~  
18.24 ~~requirements of subdivisions 1a and 1b, but can only be satisfied by meeting the~~  
18.25 ~~energy-savings goal established in this subdivision.~~

18.26 ~~(f) An association or~~ (e) A public utility is not required to make energy conservation  
18.27 investments to attain the energy-savings goals of this subdivision that are not cost-effective  
18.28 even if the investment is necessary to attain the energy-savings goals. For the purpose of  
18.29 this paragraph, in determining cost-effectiveness, the commissioner shall consider: (1) the  
18.30 costs and benefits to ratepayers, the utility, participants, and society. In addition, the  
18.31 commissioner shall consider; (2) the rate at which an association or municipal a public  
18.32 utility is increasing both its energy savings and its expenditures on energy conservation;  
18.33 and (3) the public utility's lifetime energy savings and cumulative energy savings.

19.1 ~~(g)~~ (f) On an annual basis, the commissioner shall produce and make publicly available  
 19.2 a report on the annual energy and capacity savings and estimated carbon dioxide reductions  
 19.3 achieved by the ~~energy conservation improvement~~ programs under this section and section  
 19.4 216B.2403 for the two most recent years for which data is available. The report must also  
 19.5 include information regarding any annual energy sales or generation capacity increases  
 19.6 resulting from efficient fuel-switching improvements. The commissioner shall report on  
 19.7 program performance both in the aggregate and for each entity filing an energy conservation  
 19.8 improvement plan for approval or review by the commissioner, and must estimate progress  
 19.9 made toward the statewide energy-savings goal under section 216B.2401.

19.10 ~~(h) By January 15, 2010, the commissioner shall report to the legislature whether the~~  
 19.11 ~~spending requirements under subdivisions 1a and 1b are necessary to achieve the~~  
 19.12 ~~energy-savings goals established in this subdivision.~~

19.13 ~~(i) This subdivision does not apply to:~~

19.14 ~~(1) a cooperative electric association with fewer than 5,000 members;~~

19.15 ~~(2) a municipal utility with fewer than 1,000 retail electric customers; or~~

19.16 ~~(3) a municipal utility with less than 1,000,000,000 cubic feet in annual throughput sales~~  
 19.17 ~~to retail natural gas customers.~~

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

19.19 Sec. 8. Minnesota Statutes 2018, section 216B.241, subdivision 1d, is amended to read:

19.20 Subd. 1d. **Technical assistance.** (a) The commissioner shall evaluate energy conservation  
 19.21 improvement programs filed under this section and section 216B.2403 on the basis of  
 19.22 cost-effectiveness and the reliability of the technologies employed. The commissioner shall,  
 19.23 by order, establish, maintain, and update energy-savings assumptions that must be used by  
 19.24 utilities when filing energy conservation improvement programs. The department must track  
 19.25 a public utility's or consumer-owned utility's lifetime energy savings and cumulative lifetime  
 19.26 energy savings reported in plans submitted under this section and section 216B.2403.

19.27 (b) The commissioner shall establish an inventory of the most effective energy  
 19.28 conservation programs, techniques, and technologies, and encourage all Minnesota utilities  
 19.29 to implement them, where appropriate, ~~in their service territories.~~ The commissioner shall  
 19.30 describe these programs in sufficient detail to provide a utility reasonable guidance  
 19.31 concerning implementation. The commissioner shall prioritize the opportunities in order of  
 19.32 potential energy savings and in order of cost-effectiveness.

20.1 (c) The commissioner may contract with a third party to carry out any of the  
20.2 commissioner's duties under this subdivision, and to obtain technical assistance to evaluate  
20.3 the effectiveness of any conservation improvement program.

20.4 (d) The commissioner may assess up to \$850,000 annually for the purposes of this  
20.5 subdivision. The assessments must be deposited in the state treasury and credited to the  
20.6 energy and conservation account created under subdivision 2a. An assessment made under  
20.7 this subdivision is not subject to the cap on assessments provided by section 216B.62, or  
20.8 any other law.

20.9 ~~(b) Of the assessment authorized under paragraph (a), the commissioner may expend~~  
20.10 ~~up to \$400,000 annually for the purpose of developing, operating, maintaining, and providing~~  
20.11 ~~technical support for a uniform electronic data reporting and tracking system available to~~  
20.12 ~~all utilities subject to this section, in order to enable accurate measurement of the cost and~~  
20.13 ~~energy savings of the energy conservation improvements required by this section. This~~  
20.14 ~~paragraph expires June 30, 2018.~~

20.15 (e) The commissioner shall work with stakeholders to develop technical guidelines that  
20.16 public utilities and consumer-owned utilities must use to:

20.17 (1) determine whether deployment of a fuel-switching improvement meets the criteria  
20.18 established in subdivision 11, paragraph (e), or section 216B.2403, subdivision 8, as  
20.19 applicable; and

20.20 (2) calculate the amount of energy saved by deployment of a fuel-switching improvement.

20.21 The guidelines must be issued by the commissioner by order no later than March 15, 2021,  
20.22 and must be updated as the commissioner finds necessary.

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

20.24 Sec. 9. Minnesota Statutes 2018, section 216B.241, subdivision 1f, is amended to read:

20.25 Subd. 1f. **Facilities energy efficiency.** (a) The commissioner of administration and the  
20.26 commissioner of commerce shall maintain and, as needed, revise the sustainable building  
20.27 design guidelines developed under section 16B.325.

20.28 (b) The commissioner of administration and the commissioner of commerce shall maintain  
20.29 and update the benchmarking tool developed under Laws 2001, chapter 212, article 1, section  
20.30 3, so that all public buildings can use the benchmarking tool to maintain energy use  
20.31 information for the purposes of establishing energy efficiency benchmarks, tracking building  
20.32 performance, and measuring the results of energy efficiency and conservation improvements.

21.1 (c) The commissioner shall require that utilities include in their conservation improvement  
 21.2 plans programs that facilitate professional engineering verification to qualify a building as  
 21.3 Energy Star-labeled, Leadership in Energy and Environmental Design (LEED) certified, or  
 21.4 Green Globes-certified. ~~The state goal is to achieve certification of 1,000 commercial~~  
 21.5 ~~buildings as Energy Star-labeled, and 100 commercial buildings as LEED-certified or Green~~  
 21.6 ~~Globes-certified by December 31, 2010.~~

21.7 (d) The commissioner may assess up to \$500,000 annually for the purposes of this  
 21.8 subdivision. The assessments must be deposited in the state treasury and credited to the  
 21.9 energy and conservation account created under subdivision 2a. An assessment made under  
 21.10 this subdivision is not subject to the cap on assessments provided by section 216B.62, or  
 21.11 any other law.

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

21.13 Sec. 10. Minnesota Statutes 2018, section 216B.241, subdivision 1g, is amended to read:

21.14 Subd. 1g. **Manner of filing and service.** (a) A public utility, ~~generation and transmission~~  
 21.15 ~~cooperative electric association, municipal power agency, cooperative electric association,~~  
 21.16 ~~and municipal utility~~ shall submit filings to the department via the department's electronic  
 21.17 filing system. The commissioner may approve an exemption from this requirement in the  
 21.18 event an affected public utility or association is unable to submit filings via the department's  
 21.19 electronic filing system. All other interested parties shall submit filings to the department  
 21.20 via the department's electronic filing system whenever practicable but may also file by  
 21.21 personal delivery or by mail.

21.22 (b) Submission of a document to the department's electronic filing system constitutes  
 21.23 service on the department. Where department rule requires service of a notice, order, or  
 21.24 other document by the department, public utility, association, or interested party upon  
 21.25 persons on a service list maintained by the department, service may be made by personal  
 21.26 delivery, mail, or electronic service, except that electronic service may only be made upon  
 21.27 persons on the service list who have previously agreed in writing to accept electronic service  
 21.28 at an electronic address provided to the department for electronic service purposes.

21.29 Sec. 11. Minnesota Statutes 2018, section 216B.241, subdivision 2, is amended to read:

21.30 Subd. 2. **Programs Public utility; energy conservation and optimization plans.** (a)  
 21.31 The commissioner may require a public utilities utility to make investments and expenditures  
 21.32 in energy conservation improvements, explicitly setting forth the interest rates, prices, and

22.1 terms under which the improvements must be offered to the customers. ~~The required~~  
22.2 ~~programs must cover no more than a three-year period.~~

22.3 (b) A public utilities utility shall file an energy conservation improvement plans and  
22.4 optimization plan by June 1, on a schedule determined by order of the commissioner, but  
22.5 at least every three years. ~~Plans received~~ As provided in subdivisions 11 to 13, plans may  
22.6 include programs for efficient fuel-switching improvements and load management. An  
22.7 individual utility program may combine elements of energy conservation, load management,  
22.8 or efficient fuel-switching. The plan must estimate the lifetime energy savings and cumulative  
22.9 lifetime energy savings projected to be achieved under the plan. A plan filed by a public  
22.10 utility by June 1 must be approved or approved as modified by the commissioner by  
22.11 December 1 of that same year.

22.12 (c) The commissioner shall evaluate the program plan on the basis of cost-effectiveness  
22.13 and the reliability of technologies employed. The commissioner's order must provide to the  
22.14 extent practicable for a free choice, by consumers participating in the an energy conservation  
22.15 program, of the device, method, material, or project constituting the energy conservation  
22.16 improvement and for a free choice of the seller, installer, or contractor of the energy  
22.17 conservation improvement, provided that the device, method, material, or project seller,  
22.18 installer, or contractor is duly licensed, certified, approved, or qualified, including under  
22.19 the residential conservation services program, where applicable.

22.20 ~~(b) (d) The commissioner may require a utility subject to subdivision 1c to make an~~  
22.21 ~~energy conservation improvement investment or expenditure whenever the commissioner~~  
22.22 ~~finds that the improvement will result in energy savings at a total cost to the utility less than~~  
22.23 ~~the cost to the utility to produce or purchase an equivalent amount of new supply of energy.~~  
22.24 ~~The commissioner shall nevertheless ensure that every public utility operate one or more~~  
22.25 ~~programs under periodic review by the department.~~

22.26 ~~(e) (e) Each public utility subject to this subdivision 1a may spend and invest annually~~  
22.27 ~~up to ten percent of the total amount required to be spent and invested on energy conservation~~  
22.28 ~~improvements under this section by the public utility on research and development projects~~  
22.29 ~~that meet the definition of energy conservation improvement in subdivision 1 and that are~~  
22.30 ~~funded directly by the public utility.~~

22.31 ~~(d) A public utility may not spend for or invest in energy conservation improvements~~  
22.32 ~~that directly benefit a large energy facility or a large electric customer facility for which the~~  
22.33 ~~commissioner has issued an exemption pursuant to subdivision 1a, paragraph (b). (f) The~~  
22.34 commissioner shall consider and may require a public utility to undertake a an energy

23.1 conservation program suggested by an outside source, including a political subdivision, a  
23.2 nonprofit corporation, or community organization.

23.3 ~~(e)~~ (g) A public utility, a political subdivision, or a nonprofit or community organization  
23.4 that has suggested a an energy conservation program, the attorney general acting on behalf  
23.5 of consumers and small business interests, or a public utility customer that has suggested a  
23.6 an energy conservation program and is not represented by the attorney general under section  
23.7 8.33 may petition the commission to modify or revoke a department decision under this  
23.8 section, and the commission may do so if it determines that the energy conservation program  
23.9 is not cost-effective, does not adequately address the residential conservation improvement  
23.10 needs of low-income persons, has a long-range negative effect on one or more classes of  
23.11 customers, or is otherwise not in the public interest. The commission shall reject a petition  
23.12 that, on its face, fails to make a reasonable argument that a an energy conservation program  
23.13 is not in the public interest.

23.14 ~~(f)~~ (h) The commissioner may order a public utility to include, with the filing of the  
23.15 public utility's annual status report, the results of an independent audit of the public utility's  
23.16 conservation improvement programs and expenditures performed by the department or an  
23.17 auditor with experience in the provision of energy conservation and energy efficiency  
23.18 services approved by the commissioner and chosen by the public utility. The audit must  
23.19 specify the energy savings or increased efficiency in the use of energy within the service  
23.20 territory of the public utility that is the result of the public utility's spending and investments.  
23.21 The audit must evaluate the cost-effectiveness of the public utility's conservation programs.

23.22 ~~(g)~~ A gas utility may not spend for or invest in energy conservation improvements that  
23.23 directly benefit a large customer facility or commercial gas customer facility for which the  
23.24 commissioner has issued an exemption pursuant to subdivision 1a, paragraph (b), (c), or  
23.25 (e). The commissioner shall consider and may require a utility to undertake a program  
23.26 suggested by an outside source, including a political subdivision, a nonprofit corporation,  
23.27 or a community organization.

23.28 (i) The energy conservation and optimization plan of each public utility subject to this  
23.29 section must include activities to improve energy efficiency in public schools served by the  
23.30 utility. As applicable to each public utility, these activities, at a minimum, must include  
23.31 programs to increase the efficiency of the school's lighting and heating and cooling systems,  
23.32 and to provide for building recommissioning, building operator training, and opportunities  
23.33 to educate students, teachers, and staff regarding energy efficiency measures implemented  
23.34 at the school.

24.1 (j) The commissioner may require investments or spending greater than the amounts  
24.2 proposed in a plan filed under this subdivision or section 216C.17 for a public utility whose  
24.3 most recent advanced forecast required under section 216B.2422 projects a peak demand  
24.4 deficit of 100 megawatts or more within five years under midrange forecast assumptions.

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

24.6 Sec. 12. Minnesota Statutes 2018, section 216B.241, subdivision 2b, is amended to read:

24.7 Subd. 2b. **Recovery of expenses.** (a) The commission shall allow a public utility to  
24.8 recover expenses resulting from a an energy conservation improvement program required  
24.9 and optimization plan approved by the department under this section and contributions and  
24.10 assessments to the energy and conservation account, unless the recovery would be  
24.11 inconsistent with a financial incentive proposal approved by the commission. ~~The commission~~  
24.12 ~~shall allow a cooperative electric association subject to rate regulation under section~~  
24.13 ~~216B.026, to recover expenses resulting from energy conservation improvement programs,~~  
24.14 ~~load management programs, and assessments and contributions to the energy and~~  
24.15 ~~conservation account unless the recovery would be inconsistent with a financial incentive~~  
24.16 ~~proposal approved by the commission. In addition,~~

24.17 (b) A public utility may file annually, or the Public Utilities Commission may require  
24.18 the public utility to file, and the commission may approve, rate schedules containing  
24.19 provisions for the automatic adjustment of charges for utility service in direct relation to  
24.20 changes in the expenses of the public utility for real and personal property taxes, fees, and  
24.21 permits, the amounts of which the public utility cannot control. A public utility is eligible  
24.22 to file for adjustment for real and personal property taxes, fees, and permits under this  
24.23 subdivision only if, in the year previous to the year in which it files for adjustment, it has  
24.24 spent or invested at least 1.75 percent of its gross revenues from provision of electric service,  
24.25 excluding gross operating revenues from electric service provided in the state to large electric  
24.26 customer facilities for which the commissioner has issued an exemption under subdivision  
24.27 1a, paragraph (b), and 0.6 percent of its gross revenues from provision of gas service,  
24.28 excluding gross operating revenues from gas services provided in the state to large electric  
24.29 customer facilities for which the commissioner has issued an exemption under subdivision  
24.30 1a, paragraph (b), for that year for energy conservation improvements under this section.

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

25.1 Sec. 13. Minnesota Statutes 2018, section 216B.241, subdivision 3, is amended to read:

25.2 Subd. 3. **Ownership of preweatherization measure or energy conservation**

25.3 **improvement.** ~~An~~ A preweatherization measure or energy conservation improvement made  
 25.4 to or installed in a building in accordance with this section, except systems owned by ~~the~~ a  
 25.5 public utility and designed to turn off, limit, or vary the delivery of energy, are the exclusive  
 25.6 property of the owner of the building except to the extent that the improvement is subjected  
 25.7 to a security interest in favor of the public utility in case of a loan to the building owner.  
 25.8 The public utility has no liability for loss, damage or injury caused directly or indirectly by  
 25.9 ~~an~~ a preweatherization measure or energy conservation improvement except for negligence  
 25.10 by the utility in purchase, installation, or modification of the product.

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

25.12 Sec. 14. Minnesota Statutes 2018, section 216B.241, subdivision 5, is amended to read:

25.13 Subd. 5. **Efficient lighting program.** (a) Each public utility, ~~cooperative electric~~  
 25.14 ~~association, and municipal~~ and consumer-owned utility that provides electric service to  
 25.15 retail customers and is subject to subdivision 1c or section 216B.2403 shall include as part  
 25.16 of its conservation improvement activities a program to strongly encourage the use of  
 25.17 ~~fluorescent and high-intensity discharge lamps~~ LEDs. The program must include at least a  
 25.18 public information campaign to encourage use of ~~the lamps~~ LEDs and proper management  
 25.19 of spent lamps and LEDs by all customer classifications.

25.20 (b) A public utility that provides electric service at retail to 200,000 or more customers  
 25.21 shall establish, either directly or through contracts with other persons, including lamp  
 25.22 manufacturers, distributors, wholesalers, and retailers and local government units, a system  
 25.23 to collect for delivery to a reclamation or recycling facility spent fluorescent and  
 25.24 high-intensity discharge lamps from households and from small businesses as defined in  
 25.25 section 645.445 that generate an average of fewer than ten spent lamps per year.

25.26 (c) A collection system must include establishing reasonably convenient locations for  
 25.27 collecting spent lamps from households and financial incentives sufficient to encourage  
 25.28 spent lamp generators to take the lamps to the collection locations. Financial incentives may  
 25.29 include coupons for purchase of new ~~fluorescent or high-intensity discharge~~ LED lamps, a  
 25.30 cash back system, or any other financial incentive or group of incentives designed to collect  
 25.31 the maximum number of spent lamps from households and small businesses that is reasonably  
 25.32 feasible.

26.1 (d) A public utility that provides electric service at retail to fewer than 200,000 customers,  
 26.2 ~~a cooperative electric association, or a municipal~~ or a consumer-owned utility that provides  
 26.3 electric service at retail to customers, <sub>2</sub> may establish a collection system under paragraphs  
 26.4 (b) and (c) as part of conservation improvement activities required under this section.

26.5 (e) The commissioner of the Pollution Control Agency may not, unless clearly required  
 26.6 by federal law, require a public utility, ~~cooperative electric association, or municipality~~ or  
 26.7 consumer-owned utility that establishes a household fluorescent and high-intensity discharge  
 26.8 lamp collection system under this section to manage the lamps as hazardous waste as long  
 26.9 as the lamps are managed to avoid breakage and are delivered to a recycling or reclamation  
 26.10 facility that removes mercury and other toxic materials contained in the lamps prior to  
 26.11 placement of the lamps in solid waste.

26.12 (f) If a public utility, ~~cooperative electric association, or municipal~~ or consumer-owned  
 26.13 utility contracts with a local government unit to provide a collection system under this  
 26.14 subdivision, the contract must provide for payment to the local government unit of all the  
 26.15 unit's incremental costs of collecting and managing spent lamps.

26.16 (g) All the costs incurred by a public utility, ~~cooperative electric association, or municipal~~  
 26.17 or consumer-owned utility for promotion and ~~collection of fluorescent and high-intensity~~  
 26.18 ~~discharge~~ to collect LED lamps under this subdivision are conservation improvement  
 26.19 spending under this section.

26.20 (h) For the purposes of this section, "LED" means a light-emitting diode bulb or lighting  
 26.21 product.

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

26.23 Sec. 15. Minnesota Statutes 2018, section 216B.241, subdivision 7, is amended to read:

26.24 Subd. 7. **Low-income programs.** (a) The commissioner shall ensure that each public  
 26.25 utility and association subject to subdivision 1c provides low-income energy conservation  
 26.26 programs to low-income households. When approving spending and energy-savings goals  
 26.27 for low-income programs, the commissioner shall consider historic spending and participation  
 26.28 levels, energy savings ~~for~~ achieved by low-income programs, and the number of low-income  
 26.29 persons residing in the utility's service territory. A ~~municipal utility that furnishes gas service~~  
 26.30 ~~must spend at least 0.2 percent, and a public utility furnishing gas service must spend at~~  
 26.31 ~~least 0.4~~ 0.8 percent, of its most recent three-year average gross operating revenue from  
 26.32 residential customers in the state on low-income programs. A public utility ~~or association~~  
 26.33 that furnishes electric service must spend at least ~~0.1~~ 0.4 percent of its gross operating

27.1 revenue from residential customers in the state on low-income programs. ~~For a generation~~  
27.2 ~~and transmission cooperative association, this requirement shall apply to each association's~~  
27.3 ~~members' aggregate gross operating revenue from sale of electricity to residential customers~~  
27.4 ~~in the state. Beginning in 2010, a utility or association that furnishes electric service must~~  
27.5 ~~spend 0.2 percent of its gross operating revenue from residential customers in the state on~~  
27.6 ~~low-income programs.~~

27.7 (b) To meet the requirements of paragraph (a), a public utility or association may  
27.8 contribute money to the energy and conservation account established under subdivision 2a.  
27.9 An energy conservation improvement plan must state the amount, if any, of low-income  
27.10 energy conservation improvement funds the public utility or association will contribute to  
27.11 the energy and conservation account. Contributions must be remitted to the commissioner  
27.12 by February 1 of each year.

27.13 (c) The commissioner shall establish low-income energy conservation programs to utilize  
27.14 ~~money contributed~~ contributions made to the energy and conservation account under  
27.15 paragraph (b). In establishing low-income programs, the commissioner shall consult political  
27.16 subdivisions, utilities, and nonprofit and community organizations, especially organizations  
27.17 ~~engaged in~~ providing energy and weatherization assistance to low-income ~~persons~~  
27.18 households. ~~Money contributed~~ Contributions made to the energy and conservation account  
27.19 under paragraph (b) must provide programs for low-income ~~persons~~ households, including  
27.20 low-income renters, in the service territory of the public utility or association providing the  
27.21 money. The commissioner shall record and report expenditures and energy savings achieved  
27.22 as a result of low-income programs funded through the energy and conservation account in  
27.23 the report required under subdivision 1c, paragraph ~~(g)~~ (f). The commissioner may contract  
27.24 with a political subdivision, nonprofit or community organization, public utility, ~~municipality,~~  
27.25 ~~or cooperative electric association~~ consumer-owned utility to implement low-income  
27.26 programs funded through the energy and conservation account.

27.27 (d) A public utility or association may petition the commissioner to modify its required  
27.28 spending under paragraph (a) if the utility ~~or association~~ and the commissioner have been  
27.29 unable to expend the amount required under paragraph (a) for three consecutive years.

27.30 (e) The commissioner must develop and establish guidelines to determine the eligibility  
27.31 of multifamily buildings to participate in low-income energy conservation programs.  
27.32 Notwithstanding the definition of low-income household in section 216B.2402, for purposes  
27.33 of determining the eligibility of multifamily buildings for low-income programs, a public  
27.34 utility may apply the most recent guidelines published by the department. The commissioner  
27.35 must convene a stakeholder group to review and update guidelines by July 1, 2021, and at

28.1 least once every five years thereafter. The stakeholder group must include, but is not limited  
28.2 to, representatives of public utilities as defined in section 216B.02, subdivision 4; municipal  
28.3 electric or gas utilities; electric cooperative associations; multifamily housing owners and  
28.4 developers; and low-income advocates.

28.5 (f) Up to 15 percent of a public utility's spending on low-income programs may be spent  
28.6 on preweatherization measures. A public utility is prohibited from claiming energy savings  
28.7 from preweatherization measures toward the public utility's energy savings goal.

28.8 (g) The commissioner must, by order, establish a list of preweatherization measures  
28.9 eligible for inclusion in low-income programs no later than March 15, 2021.

28.10 (h) A Healthy AIR (Asbestos Insulation Removal) account is established as a separate  
28.11 account in the special revenue fund in the state treasury. A public utility may elect to  
28.12 contribute money to the Healthy AIR account to provide preweatherization measures to  
28.13 households eligible for weatherization assistance under section 216C.264. Remediation  
28.14 activities must be executed in conjunction with federal weatherization assistance program  
28.15 services. Money contributed to the account counts toward: (1) the minimum low-income  
28.16 spending requirement in paragraph (a); and (2) the cap on preweatherization measures under  
28.17 paragraph (f). Money in the account is annually appropriated to the commissioner of  
28.18 commerce to pay for Healthy AIR-related activities.

28.19 ~~(e)~~ (i) The costs and benefits associated with any approved low-income gas or electric  
28.20 conservation improvement program that is not cost-effective when considering the costs  
28.21 and benefits to the public utility may, at the discretion of the utility, be excluded from the  
28.22 calculation of net economic benefits for purposes of calculating the financial incentive to  
28.23 the public utility. The energy and demand savings may, at the discretion of the public utility,  
28.24 be applied toward the calculation of overall portfolio energy and demand savings for purposes  
28.25 of determining progress toward annual goals and in the financial incentive mechanism.

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

28.27 Sec. 16. Minnesota Statutes 2018, section 216B.241, subdivision 8, is amended to read:

28.28 Subd. 8. **Assessment.** The commission or department may assess public utilities subject  
28.29 to this section in proportion to their respective gross operating revenue from sales of gas or  
28.30 electric service within the state during the last calendar year to carry out the purposes of  
28.31 subdivisions 1d, 1e, and 1f. Those assessments are not subject to the cap on assessments  
28.32 provided by section 216B.62, or any other law.

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

29.1 Sec. 17. Minnesota Statutes 2018, section 216B.241, is amended by adding a subdivision  
29.2 to read:

29.3 Subd. 11. **Programs for efficient fuel-switching improvements; electric utilities.** (a)  
29.4 A public utility providing electric service at retail may include in its plan required under  
29.5 subdivision 2 programs to implement efficient fuel-switching improvements or combinations  
29.6 of energy conservation improvements, fuel-switching improvements, and load management.  
29.7 For each program, the public utility must provide a proposed budget, an analysis of the  
29.8 program's cost-effectiveness, and estimated net energy and demand savings.

29.9 (b) The department may approve proposed programs for efficient fuel-switching  
29.10 improvements if it finds the improvements meet the requirements of paragraph (d). For  
29.11 fuel-switching improvements that require the deployment of electric technologies, the  
29.12 department must also consider whether the fuel-switching improvement can be operated in  
29.13 a manner that facilitates the integration of variable renewable energy into the electric system.  
29.14 The net benefits from an efficient fuel-switching improvement that is integrated with an  
29.15 energy efficiency program approved under this section may be counted toward the net  
29.16 benefits of the energy efficiency program, if the department finds that the primary purpose  
29.17 and effect of the program is energy efficiency.

29.18 (c) A public utility may file a rate schedule with the commission that provides for annual  
29.19 cost recovery of reasonable and prudent costs to implement and promote efficient  
29.20 fuel-switching programs. The commission may not approve a financial incentive to encourage  
29.21 efficient fuel-switching programs operated by a public utility providing electric service.

29.22 (d) A fuel-switching improvement is deemed efficient if, applying the technical criteria  
29.23 established under section 216B.241, subdivision 1d, paragraph (b), the improvement meets  
29.24 the following criteria, relative to the fuel that is being displaced:

29.25 (1) results in a net reduction in the amount of source energy consumed for a particular  
29.26 use, measured on a fuel-neutral basis;

29.27 (2) results in a net reduction of statewide greenhouse gas emissions as defined in section  
29.28 216H.01, subdivision 2, over the lifetime of the improvement. For an efficient fuel-switching  
29.29 improvement installed by an electric utility, the reduction in emissions must be measured  
29.30 based on the hourly emission profile of the electric utility, using the hourly emissions profile  
29.31 in the most recent resource plan approved by the commission under section 216B.2422;

29.32 (3) is cost-effective, considering the costs and benefits from the perspective of the utility,  
29.33 participants, and society; and

30.1 (4) is installed and operated in a manner that improves the utility's system load factor.

30.2 (e) For purposes of this subdivision, "source energy" means the total amount of primary  
30.3 energy required to deliver energy services, adjusted for losses in generation, transmission,  
30.4 and distribution, and expressed on a fuel-neutral basis.

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

30.6 Sec. 18. Minnesota Statutes 2018, section 216B.241, is amended by adding a subdivision  
30.7 to read:

30.8 Subd. 12. **Programs for efficient fuel-switching improvements; natural gas**  
30.9 **utilities.** (a) As part of its plan filed under subdivision 2, a public utility that provides natural  
30.10 gas service to Minnesota customers at retail may propose one or more programs to install  
30.11 electric technologies that reduce the consumption of natural gas by its retail customers as  
30.12 an energy conservation improvement. The commissioner may approve a proposed program  
30.13 if the commissioner, applying the technical criteria developed under section 216B.241,  
30.14 subdivision 1d, paragraph (b), determines that:

30.15 (1) the electric technology to be installed meets the criteria established under section  
30.16 216B.241, subdivision 11, paragraph (d), clauses (1) and (2); and

30.17 (2) the program is cost-effective, considering the costs and benefits to ratepayers, the  
30.18 utility, participants, and society.

30.19 (b) If a program is approved by the commission under this subdivision, the public utility  
30.20 may count the program's energy savings toward its energy savings goal under section  
30.21 216B.241, subdivision 1c. Notwithstanding section 216B.2402, paragraph (e), efficient  
30.22 fuel-switching achieved through programs approved under this subdivision is energy  
30.23 conservation.

30.24 (c) A public utility may file rate schedules with the commission that provide for annual  
30.25 cost-recovery for programs approved by the department under this subdivision, including  
30.26 reasonable and prudent costs to implement and promote the programs.

30.27 (d) The commission may approve, modify, or reject a proposal made by the department  
30.28 or a utility for an incentive plan to encourage efficient fuel-switching programs approved  
30.29 under this subdivision, applying the considerations established under section 216B.16,  
30.30 subdivision 6c, paragraphs (b) and (c). The commission may approve a financial incentive  
30.31 mechanism that is calculated based on the combined energy savings and net benefits that  
30.32 the commission has determined have been achieved by a program approved under this

31.1 subdivision, if the commission determines that the financial incentive mechanism is in the  
31.2 ratepayers' interest.

31.3 (e) A public utility is not eligible for a financial incentive for an efficient fuel-switching  
31.4 program under this subdivision in any year in which it achieves energy savings below one  
31.5 percent of gross annual retail energy sales, excluding savings achieved through fuel-switching  
31.6 programs.

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

31.8 Sec. 19. Minnesota Statutes 2018, section 216B.241, is amended by adding a subdivision  
31.9 to read:

31.10 Subd. 13. **Cost-effective load management programs.** (a) A public utility may include  
31.11 in its plan required under subdivision 2 programs to implement load management activities,  
31.12 or combinations of energy conservation improvements, fuel-switching improvements, and  
31.13 load management activities. For each program the public utility must provide a proposed  
31.14 budget, cost-effectiveness analysis, and estimated net energy and demand savings.

31.15 (b) The commissioner may approve a proposed program if the commissioner determines  
31.16 that the program is cost-effective, considering the costs and benefits to ratepayers, the utility,  
31.17 participants, and society.

31.18 (c) A public utility providing retail electric service to Minnesota customers may file rate  
31.19 schedules with the commission that provide for annual cost recovery of reasonable and  
31.20 prudent costs to implement and promote cost-effective load management programs approved  
31.21 by the department under this subdivision.

31.22 (d) The commission may approve, modify, or reject a proposal made by the department  
31.23 or a public utility for an incentive plan to encourage investments in load management  
31.24 programs if it determines that the program:

31.25 (1) is needed to increase the public utility's investment in cost-effective load management;

31.26 (2) is compatible with the interest of the public utility's ratepayers; and

31.27 (3) links the incentive to the public utility's performance in achieving cost-effective load  
31.28 management.

31.29 (e) The commission may structure an incentive plan to encourage cost-effective load  
31.30 management programs as an asset on which a public utility earns a rate of return at a level  
31.31 the commission determines is reasonable and in the public interest.

32.1 (f) The commission may include the net benefits from a load management activity that  
32.2 is integrated with an energy efficiency program approved under this section in the net  
32.3 benefits of the energy efficiency program for purposes of a financial incentive program  
32.4 under section 216B.16, subdivision 6c, if the department finds that the primary purpose of  
32.5 the load management activity is energy efficiency.

32.6 (g) A public utility is not eligible for a financial incentive for a load management program  
32.7 in any year in which it achieves energy savings below one percent of gross annual retail  
32.8 energy sales, excluding savings achieved through load management programs.

32.9 (h) The commission may include net benefits from a particular load management activity  
32.10 in an incentive plan under this subdivision or section 216B.16, subdivision 6c, but not both.

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

32.12 Sec. 20. **REPEALER.**

32.13 Minnesota Statutes 2018, section 216B.241, subdivisions 1, 1b, 2c, 4, and 10, are  
32.14 repealed.

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

32.16 Amend the title accordingly