

Second Regular Session  
Seventy-second General Assembly  
STATE OF COLORADO

**PREAMENDED**

*This Unofficial Version Includes Committee  
Amendments Not Yet Adopted on Second Reading*

LLS NO. 21-0037.01 Duane Gall x4335

**SENATE BILL 21-246**

**SENATE SPONSORSHIP**

**Fenberg,** Bridges, Buckner, Danielson, Gonzales, Hansen, Jaquez Lewis, Lee, Moreno, Pettersen, Priola, Story, Winter

**HOUSE SPONSORSHIP**

**Valdez A. and Froelich,**

**Senate Committees**

Transportation & Energy  
Appropriations

**House Committees**

Energy & Environment  
Appropriations

**A BILL FOR AN ACT**

101      **CONCERNING MEASURES TO ENCOURAGE BENEFICIAL**  
102                    **ELECTRIFICATION, AND, IN CONNECTION THEREWITH,**  
103                    **DIRECTING THE PUBLIC UTILITIES COMMISSION AND COLORADO**  
104                    **UTILITIES TO PROMOTE COMPLIANCE WITH CURRENT**  
105                    **ENVIRONMENTAL AND LABOR STANDARDS AND MAKING AN**  
106                    **APPROPRIATION.**

**Bill Summary**

*(Note: This summary applies to this bill as introduced and does not reflect any amendments that may be subsequently adopted. If this bill passes third reading in the house of introduction, a bill summary that applies to the reengrossed version of this bill will be available at <http://leg.colorado.gov>.)*

The bill directs the public utilities commission (PUC) to establish

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.  
*Capital letters or bold & italic numbers indicate new material to be added to existing statute.*  
*Dashes through the words indicate deletions from existing statute.*

SENATE  
3rd Reading Unamended  
May 12, 2021

SENATE  
Amended 2nd Reading  
May 11, 2021

energy savings targets and approve plans under which investor-owned electric utilities will promote the use of energy-efficient electric equipment in place of less efficient fossil-fuel-based systems. This directive would substantially follow the model of existing demand-side management (DSM) policies established by the PUC.

**Section 1** of the bill declares that DSM has provided substantial economic and environmental benefits, and the PUC's administration of DSM has successfully carried out legislative intent; therefore, the PUC is directed to implement the beneficial electrification programs and plans using the same approach.

**Sections 2 and 4** specify the parameters for these programs and plans, including the types of systems and appliances that are eligible for installation, the criteria to be considered when the PUC evaluates plan proposals, the implementation of plans, utility cost-recovery mechanisms, and performance incentives. Section 4 also requires that any installation, upgrade, or new construction under a beneficial electrification program must be performed either by utility employees or by qualified, Colorado-licensed contractors.

**Section 3** directs the PUC to apply current standards for measurement of the social cost of carbon emissions, including methane, in evaluating the cost, benefit, or net present value of utility plans and proposals for beneficial electrification.

**Section 5** makes a conforming amendment.

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1 *Be it enacted by the General Assembly of the State of Colorado:*

2 **SECTION 1. Legislative declaration.** (1) The general assembly  
3 finds, determines, and declares that:

4 (a) Colorado is and should remain a national leader in energy  
5 infrastructure innovation, creating family-sustaining jobs in the clean  
6 energy economy, and environmental stewardship;

7 (b) It is in the public interest and the policy of the state of  
8 Colorado to reduce greenhouse gas emissions. For that reason, it is  
9 critical that the electric utility sector be evaluated and regulated  
10 holistically so that investment can be compared and directed across fuel  
11 types to account for cost variance associated with asset procurement and  
12 operation as well as the public health and environmental costs of

1 greenhouse gas emissions, energy efficiency, and electric infrastructure  
2 reliability accrued over the life cycle of an asset.

3 (c) Legislation adopted in 2007 directed the public utilities  
4 commission to establish electricity and natural gas energy savings targets,  
5 clarify parameters for cost-benefit analysis, and provide financial  
6 incentives to public utilities that meet or exceed specified goals for  
7 energy savings. The resulting demand-side management programs, also  
8 known as DSM programs, have provided substantial economic and  
9 environmental benefits for consumers, businesses, and utilities at modest  
10 cost.

11 (d) The public utilities commission's administration of DSM  
12 programs has appropriately effectuated legislative intent and has created  
13 a precedent for the deployment of programs to support customers using  
14 clean electricity to power high-efficiency appliances that provide space  
15 and water heating, cooking, and clothes drying in homes and businesses,  
16 as well as for certain industrial processes;

17 (e) Technology advancement can further advance cost-effective  
18 greenhouse gas emission reductions in the oil and gas, industrial, and  
19 building sectors, and electrification of customer end uses can be a  
20 pathway to reducing greenhouse gas emissions from these sectors and  
21 improving air quality;

22 (f) Fossil gas and petroleum products will contribute to supplying  
23 Colorado's energy needs for many years to come; nonetheless,  
24 transitioning to clean electric homes and businesses is a critical strategy  
25 for improving public health and safety, saving energy, creating  
26 family-sustaining jobs, and helping the state meet its greenhouse gas  
27 emission-reduction targets;

1 (g) Colorado has significant potential for replacing fossil gas with  
2 clean electricity; and

3 (h) Clean heat from appliances such as electric heat pumps, heat  
4 pump water heaters, and induction stoves will help Colorado reduce  
5 greenhouse gas pollution and has potential to help improve indoor air  
6 quality and health and safety in buildings.

7 (2) The general assembly further declares its intent that the public  
8 utilities commission approve beneficial electrification plans for the  
9 purpose of incentivizing residential, commercial, and industrial utility  
10 customers to implement beneficial electrification projects voluntarily,  
11 without applying coercion or discriminatory treatment to customers that  
12 decline any incentives that may be offered to them.

13 **SECTION 2.** In Colorado Revised Statutes, 38-33.3-106.7,  
14 **amend (1)(b)(IV) and (1)(b)(V); and add (1)(b)(VI) as follows:**

15 **38-33.3-106.7. Unreasonable restrictions on energy efficiency**  
16 **measures - definitions.** (1) (b) As used in this section, "energy  
17 efficiency measure" means a device or structure that reduces the amount  
18 of energy derived from fossil fuels that is consumed by a residence or  
19 business located on the real property. "Energy efficiency measure" is  
20 further limited to include only the following types of devices or  
21 structures:

22 (IV) An energy-efficient outdoor lighting device, including  
23 without limitation a light fixture containing a coiled or straight  
24 fluorescent light bulb, and any solar recharging panel, motion detector, or  
25 other equipment connected to the lighting device; and

26 (V) A retractable clothesline; AND

27 (VI) A HEAT PUMP.

1           **SECTION 3.** In Colorado Revised Statutes, 40-1-102, **amend**  
2 (5)(a); and **add** (1.2) and (12) as follows:

3           **40-1-102. Definitions.** As used in articles 1 to 7 of this title 40,  
4 unless the context otherwise requires:

5           (1.2) (a) "BENEFICIAL ELECTRIFICATION" MEANS CONVERTING THE  
6 ENERGY SOURCE OF A CUSTOMER'S END USE FROM A NONELECTRIC FUEL  
7 SOURCE TO A HIGH-EFFICIENCY ELECTRIC SOURCE, OR AVOIDING THE USE  
8 OF NONELECTRIC FUEL SOURCES IN NEW CONSTRUCTION OR INDUSTRIAL  
9 APPLICATIONS, IF THE RESULT OF THE CONVERSION OR AVOIDANCE IS TO:

10           (I) REDUCE NET GREENHOUSE GAS EMISSIONS OVER THE LIFETIME  
11 OF THE CONVERSION OR AVOIDANCE; AND

12           (II) REDUCE SOCIETAL COSTS OR PROVIDE FOR MORE EFFICIENT  
13 UTILIZATION OF GRID RESOURCES.

14           (b) "BENEFICIAL ELECTRIFICATION" DOES NOT INCLUDE:

15           (I) RETAIL DISTRIBUTED GENERATION, AS DEFINED IN SECTION  
16 40-2-124 (1)(a)(VIII); OR

17           (II) AN ENERGY STORAGE SYSTEM, AS DEFINED IN SECTION  
18 40-2-130 (2)(a).

19           (5) (a) "Cost-effective", with reference to a natural gas or electric  
20 demand-side management program, A BENEFICIAL ELECTRIFICATION  
21 PROGRAM, or ~~related~~ ANY measure RELATED TO EITHER A DEMAND-SIDE  
22 MANAGEMENT OR BENEFICIAL ELECTRIFICATION PROGRAM, means having  
23 a benefit-cost ratio greater than one.

24           (12) "TECHNICAL SUPPORT DOCUMENT" MEANS THE 2016  
25 TECHNICAL SUPPORT DOCUMENT OF THE FEDERAL INTERAGENCY WORKING  
26 GROUP ON SOCIAL COST OF GREENHOUSE GASES, ENTITLED "TECHNICAL  
27 UPDATE OF THE SOCIAL COST OF CARBON FOR REGULATORY IMPACT

1 ANALYSIS UNDER EXECUTIVE ORDER 12866".

2 **SECTION 4.** In Colorado Revised Statutes, 40-3.2-106, **amend**  
3 (1) introductory portion, (1)(d), and (5); and **repeal** (6) as follows:

4 **40-3.2-106. Costs of pollution in utility planning - definitions**  
5 **- rules.** (1) The commission shall require an electric public utility subject  
6 to commission jurisdiction to consider the SOCIAL cost of carbon dioxide  
7 emissions AND THE SOCIAL COST OF METHANE EMISSIONS, as set forth  
8 ~~pursuant to subsection (4)~~ IN SUBSECTIONS (4) AND (5) of this section,  
9 when determining the cost, benefit, or net present value of any plan or  
10 proposal submitted in one of the following proceedings:

11 (d) A plan or application for transportation electrification UNDER  
12 SECTION 40-5-107 or ANY other ~~forms~~ FORM of beneficial electrification,  
13 INCLUDING BENEFICIAL ELECTRIFICATION IN BUILDINGS.

14 (5) The commission shall apply ~~a~~ THE SOCIAL cost of carbon  
15 dioxide AND THE SOCIAL COST OF METHANE emissions to the nonenergy  
16 benefits for programs that are defined to be beneficial electrification.

17 (6) ~~As used in this section:~~

18 (a) ~~"Beneficial electrification" means a utility's change in the~~  
19 ~~energy source powering an end use from a nonelectric source to an~~  
20 ~~electric source, including transportation, water heating, space heating, or~~  
21 ~~industrial processes, if the change:~~

22 (I) ~~Reduces system costs for the utility's customers;~~

23 (II) ~~Reduces net carbon dioxide emissions; or~~

24 (III) ~~Provides for a more efficient utilization of grid resources.~~

25 (b) ~~"Technical support document" means the 2016 technical~~  
26 ~~support document of the federal interagency working group on social cost~~  
27 ~~of greenhouse gases, entitled "Technical Update of the Social Cost of~~

1 ~~Carbon for Regulatory Impact Analysis Under Executive Order 12866".~~

2 **SECTION 5.** In Colorado Revised Statutes, **add** 40-3.2-105.6 and  
3 40-3.2-107 as follows:

4 **40-3.2-105.6. Labor standards for beneficial electrification**  
5 **projects.** (1) THIS SECTION APPLIES TO ALL NECESSARY MECHANICAL,  
6 PLUMBING, AND ELECTRICAL WORK PERFORMED IN CONNECTION WITH A  
7 PROJECT UNDERTAKEN PURSUANT TO A BENEFICIAL ELECTRIFICATION  
8 PROGRAM UNDER THIS ARTICLE 3.2 AND FOR WHICH A CUSTOMER OF AN  
9 INVESTOR-OWNED ELECTRIC UTILITY APPLIES FOR A REBATE DIRECTLY  
10 FROM THE UTILITY.

11 (2) WHEN PRACTICABLE, THE UTILITY MAY ASSIGN ITS OWN  
12 EMPLOYEES TO PERFORM THE WORK, SUBJECT TO STATE LICENSING  
13 REQUIREMENTS AND ALL APPLICABLE STATE AND LOCAL RULES, CODES,  
14 AND STANDARDS.

15 (3) (a) THE UTILITY SHALL OBTAIN FROM THE COLORADO  
16 DEPARTMENT OF LABOR AND EMPLOYMENT AND SHALL MAKE USE OF A  
17 LIST, REFERRED TO IN THIS SECTION AS THE "CERTIFIED CONTRACTOR  
18 LIST", CONTAINING THE NAMES AND CONTACT INFORMATION OF:

19 (I) QUALIFIED CONTRACTORS THAT PARTICIPATE IN  
20 APPRENTICESHIP PROGRAMS THAT ARE REGISTERED WITH THE UNITED  
21 STATES DEPARTMENT OF LABOR'S EMPLOYMENT AND TRAINING  
22 ADMINISTRATION OR WITH A STATE APPRENTICESHIP COUNCIL RECOGNIZED  
23 BY THE UNITED STATES DEPARTMENT OF LABOR; AND

24         
25 (II) QUALIFIED MECHANICAL, ELECTRICAL, AND PLUMBING  
26 CONTRACTORS THAT MEET THE GRADUATION STANDARDS SPECIFIED IN  
27 SECTION 24-92-115 (1)(a)(II).

1 (b) THE UTILITY SHALL PUBLISH THE CERTIFIED CONTRACTOR LIST  
2 ON ITS WEBSITE AND INCLUDE OR REFERENCE THE LIST IN ALL OF THE  
3 UTILITY'S RELEVANT MARKETING MATERIAL FOR BENEFICIAL  
4 ELECTRIFICATION PROGRAMS.

5 (c) AS A CONDITION FOR CUSTOMER PARTICIPATION IN  
6 BENEFICIAL ELECTRIFICATION PROGRAMS WHERE A REBATE IS PAID  
7 DIRECTLY TO THE CUSTOMER AFTER INSTALLATION IS COMPLETE, EACH  
8 INVESTOR-OWNED ELECTRIC UTILITY SHALL REQUIRE ITS RESIDENTIAL  
9 CUSTOMERS TO VERIFY THAT THEY USED LICENSED ELECTRICIANS AND  
10 PLUMBERS OR PROPERLY SUPERVISED APPRENTICES ON ALL PLUMBING AND  
11 ELECTRICAL WORK PERFORMED BY A CONTRACTOR ON RESIDENTIAL  
12 INSTALLATIONS THAT QUALIFY FOR A BENEFICIAL ELECTRIFICATION  
13 REBATE.

14 (4) THE FOLLOWING REQUIREMENTS APPLY TO BENEFICIAL  
15 ELECTRIFICATION PROJECTS IN NEW OR EXISTING INDUSTRIAL,  
16 COMMERCIAL, OR MULTIFAMILY RESIDENTIAL BUILDINGS:

17 (a) FOR PLUMBING, MECHANICAL, OR ELECTRICAL PROJECTS  
18 UNDERTAKEN BY A COMMERCIAL OR INDUSTRIAL CUSTOMER IN A BUILDING  
19 THAT CONTAINS TWENTY THOUSAND SQUARE FEET OR MORE OF  
20 CONDITIONED FLOOR SPACE AND FOR WHICH A REBATE IS TO BE PROVIDED  
21 DIRECTLY TO THE CUSTOMER AS PART OF A BENEFICIAL ELECTRIFICATION  
22 PROGRAM, THE UTILITY SHALL CONDITION PAYMENT OF THE REBATE ON  
23 THE CUSTOMER'S EXCLUSIVE USE OF CONTRACTORS FROM THE CERTIFIED  
24 CONTRACTOR LIST UNLESS THE WORK IS DONE BY EMPLOYEES OF THE  
25 UTILITY.

26 (b) (I) FOR PLUMBING, MECHANICAL, OR ELECTRICAL PROJECTS  
27 THAT INVOLVE THE BENEFICIAL ELECTRIFICATION OF CENTRAL BUILDING



1 SYSTEMS IN A MULTIFAMILY BUILDING THAT CONTAINS TWENTY  
2 THOUSAND SQUARE FEET OR MORE OF CONDITIONED FLOOR SPACE AND FOR  
3 WHICH A REBATE IS TO BE PROVIDED DIRECTLY TO THE BUILDING OWNER  
4 AS PART OF A BENEFICIAL ELECTRIFICATION PROGRAM, THE UTILITY SHALL  
5 CONDITION PAYMENT OF THE REBATE ON THE BUILDING OWNER'S  
6 EXCLUSIVE USE OF CONTRACTORS THAT PARTICIPATE IN APPRENTICESHIP  
7 PROGRAMS REGISTERED WITH THE UNITED STATES DEPARTMENT OF  
8 LABOR'S EMPLOYMENT AND TRAINING ADMINISTRATION OR WITH A STATE  
9 APPRENTICESHIP COUNCIL RECOGNIZED BY THE UNITED STATES  
10 DEPARTMENT OF LABOR FOR ANY NECESSARY PLUMBING OR ELECTRICAL  
11 WORK. IF THE CONTRACTOR CHOSEN BY THE BUILDING OWNER IS NOT ON  
12 THE CERTIFIED CONTRACTOR LIST, THE UTILITY SHALL REQUIRE ANOTHER  
13 METHOD OF VERIFYING COMPLIANCE WITH THIS SUBSECTION (4)(b).

14 (II) THIS SUBSECTION (4)(b) DOES NOT APPLY TO A BENEFICIAL  
15 ELECTRIFICATION PROJECT THAT IS LIMITED TO IN-UNIT WORK IN A  
16 MULTIFAMILY BUILDING, AS UNDERTAKEN BY THE OWNER OR TENANT OF  
17 THE MULTIFAMILY BUILDING OR UNIT.

18 **40-3.2-107. Beneficial electrification plans for electric utilities**  
19 **- definition - rules - recovery of costs - report. (1) Definition.** AS USED  
20 IN THIS SECTION, "BENEFICIAL ELECTRIFICATION PLAN" OR "PLAN" MEANS  
21 AN ELECTRIC UTILITY'S PLAN TO INCREASE BENEFICIAL ELECTRIFICATION  
22 IN THE RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SECTORS FOR  
23 PURPOSES OTHER THAN TRANSPORTATION.

24 (2) (a) THE COMMISSION SHALL ALLOW AN INVESTOR-OWNED  
25 ELECTRIC UTILITY TO IMPLEMENT COST-EFFECTIVE BENEFICIAL  
26 ELECTRIFICATION PLANS THAT SUPPORT VOLUNTARY CUSTOMER ADOPTION  
27 OF BENEFICIAL ELECTRIFICATION MEASURES.

1 (b) ON OR BEFORE JULY 1, 2022, AND THEREAFTER AS DIRECTED  
2 BY THE COMMISSION, BUT NO LESS FREQUENTLY THAN EVERY THREE  
3 YEARS, AN INVESTOR-OWNED ELECTRIC UTILITY SHALL FILE WITH THE  
4 COMMISSION AN APPLICATION FOR A BENEFICIAL ELECTRIFICATION PLAN  
5 FOR REGULATED ACTIVITIES TO SUPPORT BENEFICIAL ELECTRIFICATION.  
6 BENEFICIAL ELECTRIFICATION PLANS MAY BE COMBINED WITH OTHER  
7 DEMAND-SIDE MANAGEMENT STRATEGIC ISSUES OR TRANSPORTATION  
8 ELECTRIFICATION PLANS, AS APPLICABLE, BUT A BENEFICIAL  
9 ELECTRIFICATION PLAN MUST, AT A MINIMUM:

10 (I) INCLUDE PROPOSED PROGRAMS TO ADVANCE BENEFICIAL  
11 ELECTRIFICATION FOR RESIDENTIAL AND COMMERCIAL CUSTOMERS. PLANS  
12 MAY ALSO INCLUDE PROGRAMS TO ADVANCE BENEFICIAL ELECTRIFICATION  
13 FOR INDUSTRIAL CUSTOMERS.

14 (II) INCLUDE PROGRAMS TARGETED TO LOW-INCOME HOUSEHOLDS  
15 OR DISPROPORTIONATELY IMPACTED COMMUNITIES, WITH AT LEAST  
16 TWENTY PERCENT OF THE TOTAL BENEFICIAL ELECTRIFICATION PROGRAM  
17 FUNDING TARGETED TO PROGRAMS THAT SERVE LOW-INCOME  
18 HOUSEHOLDS OR DISPROPORTIONATELY IMPACTED COMMUNITIES;

19 (III) INCLUDE BUDGETS; TARGETED NUMBERS OF INSTALLATIONS;  
20 PROJECTED FUEL SAVINGS; PROJECTED COST-EFFECTIVENESS  
21 CALCULATIONS, INCLUDING THE SOCIAL COST OF METHANE AND CARBON  
22 DIOXIDE EMISSIONS AND AN APPROPRIATE SOCIAL DISCOUNT RATE IN THE  
23 COST-BENEFIT ANALYSIS; PROJECTED REDUCTIONS IN GREENHOUSE GAS  
24 EMISSIONS; AND OTHER INFORMATION DEEMED RELEVANT BY THE  
25 COMMISSION FOR THE PLAN AS A WHOLE AND FOR EACH PROGRAM  
26 INCLUDED IN THE PLAN;

27 (IV) DEMONSTRATE THAT THE UTILITY WILL, TO THE GREATEST

1 EXTENT PRACTICABLE, SERVE INCREMENTAL LOAD ATTRIBUTABLE TO  
2 BENEFICIAL ELECTRIFICATION WITH GENERATION THAT CAN BE  
3 REASONABLY EXPECTED TO HAVE A CARBON INTENSITY NO HIGHER THAN  
4 THE AVERAGE CARBON INTENSITY FOR ALL GENERATION IN THE UTILITY'S  
5 PORTFOLIO;

6 (V) INCLUDE INCENTIVES TO FACILITATE BENEFICIAL  
7 ELECTRIFICATION, WITH PROGRAMS TARGETED TOWARD NEW AND  
8 EXISTING BUILDING MARKETS. PRODUCTS ELIGIBLE FOR INCENTIVES MUST  
9 BE CERTIFIED UNDER THE FEDERAL ENERGY STAR PROGRAM, AS DEFINED  
10 IN SECTION 6-7.5-102 (15), OR A SUCCESSOR PROGRAM IF THAT  
11 CERTIFICATION IS AVAILABLE, IN PRODUCT CATEGORIES FOR WHICH SUCH  
12 CERTIFICATION EXISTS.

13 (VI) INCLUDE AN OUTREACH PLAN FOR ENGAGEMENT WITH  
14 CUSTOMERS IN LOW-INCOME HOUSEHOLDS AND DISPROPORTIONATELY  
15 IMPACTED COMMUNITIES TO DEVELOP PROGRAMS TO SUPPORT THOSE  
16 CUSTOMERS IN EVERY PHASE OF THE UTILITY'S BENEFICIAL  
17 ELECTRIFICATION PROGRAMS, INCLUDING THROUGH INCENTIVES OFFERED  
18 TO MULTIFAMILY BUILDINGS OCCUPIED IN FULL OR IN PART BY  
19 LOW-INCOME HOUSEHOLDS; AND

20 (VII) INCLUDE DOCUMENTATION AND DATA TO SHOW THAT THE  
21 UTILITY'S BENEFICIAL ELECTRIFICATION PLAN IS CONSISTENT WITH  
22 MAINTAINING THE RELIABILITY OF THE ELECTRIC GRID.

23 (3) THE COMMISSION AND INVESTOR-OWNED ELECTRIC UTILITIES  
24 SUBJECT TO COMMISSION JURISDICTION SHALL:

25 (a) INCORPORATE INTO THE COST-BENEFIT ANALYSIS OF  
26 BENEFICIAL ELECTRIFICATION PLANS AND PROGRAMS:

27 (I) THE SOCIAL COSTS OF CARBON DIOXIDE AND METHANE

1 EMISSIONS, INCLUDING THE AVOIDED CARBON DIOXIDE EMISSIONS FROM  
2 THE DIRECT COMBUSTION OF FOSSIL FUEL IN APPLIANCES OR INDUSTRIAL  
3 EQUIPMENT THAT IS REPLACED WITH ELECTRICITY;

4 (II) THE AVOIDED UPSTREAM EMISSIONS OF METHANE FROM THE  
5 PRODUCTION AND DELIVERY OF FOSSIL FUEL TO THE APPLIANCE OR  
6 EQUIPMENT; ==

7 (III) THE INCREMENTAL CARBON DIOXIDE EMISSIONS FROM  
8 GENERATION OF ELECTRICITY; AND

9 (IV) THE INCREMENTAL LOAD ATTRIBUTABLE TO BENEFICIAL  
10 ELECTRIFICATION;

11 (b) USE THE METHODOLOGY DEFINED IN SECTION 40-3.2-106 (4)  
12 TO DETERMINE THE COST OF CARBON DIOXIDE EMISSIONS;

13 (c) BASE THE COST OF METHANE EMISSIONS ON THE MOST RECENT  
14 ASSESSMENT OF THE GLOBAL SOCIAL COST OF METHANE DEVELOPED BY  
15 THE FEDERAL GOVERNMENT, USING A DISCOUNT RATE OF TWO AND  
16 ONE-HALF PERCENT OR LESS; EXCEPT THAT, BEGINNING ON THE EFFECTIVE  
17 DATE OF THIS SECTION, THE COMMISSION SHALL USE A SOCIAL COST OF  
18 METHANE OF NOT LESS THAN ONE THOUSAND SEVEN HUNDRED FIFTY-SIX  
19 DOLLARS PER SHORT TON. THE COMMISSION SHALL MODIFY THE SOCIAL  
20 COST OF METHANE BASED ON ESCALATION RATES OF THE 2020 BASE COST  
21 BY AN AMOUNT THAT IS EQUAL TO OR GREATER THAN THE ESCALATION  
22 RATES ESTABLISHED IN THE ADDENDUM TO THE TECHNICAL SUPPORT  
23 DOCUMENT AND SHALL USE A DISCOUNT RATE THAT DOES NOT EXCEED  
24 THE LESSER OF TWO AND ONE-HALF PERCENT OR ANY LOWER VALUE  
25 ESTABLISHED BY THE MOST RECENT AVAILABLE SUCCESSOR TO THE  
26 TECHNICAL SUPPORT DOCUMENT.

27 (d) INCLUDE UPSTREAM LEAKAGE OF METHANE EMISSIONS IN THE

1 EXTRACTION, PRODUCTION, AND TRANSPORTATION OF FOSSIL GAS IN THE  
2 COST-BENEFIT ANALYSIS IF THE AIR QUALITY CONTROL COMMISSION  
3 DETERMINES AN ESTIMATE FOR UPSTREAM METHANE LEAKAGE.

4 (4) NOTWITHSTANDING ANY OTHER PROVISION OF LAW, THE  
5 COMMISSION SHALL ALLOW AN ELECTRIC UTILITY TO OFFER INCENTIVES TO  
6 ITS CUSTOMERS TO REPLACE GAS APPLIANCES WITH HIGH-EFFICIENCY  
7 ELECTRIC APPLIANCES.

8 (5) (a) THE COMMISSION SHALL ALLOW AN ELECTRIC UTILITY TO  
9 RECOVER ITS PRUDENTLY INCURRED COSTS, ON A CURRENT BASIS, FOR  
10 IMPLEMENTATION OF APPROVED BENEFICIAL ELECTRIFICATION PROGRAMS.

11 (b) THE COMMISSION MAY PROVIDE AN ELECTRIC UTILITY AN  
12 OPPORTUNITY TO EARN INCENTIVES FOR EXCEEDING BENEFICIAL  
13 ELECTRIFICATION TARGETS OR EMISSION-REDUCTION PERFORMANCE  
14 TARGETS THAT THE COMMISSION HAS ESTABLISHED FOR THE BENEFICIAL  
15 ELECTRIFICATION PLAN. FOR PURPOSES OF IMPLEMENTING THIS  
16 SUBSECTION (5)(b), THE COMMISSION MAY CONSIDER INCENTIVE  
17 MECHANISMS TO PROMOTE THE ADVANCEMENT OF THE UTILITY'S  
18 BENEFICIAL ELECTRIFICATION PROGRAMS, WHICH MAY INCLUDE:

19 (I) AN INCENTIVE RATE OF RETURN ON BENEFICIAL  
20 ELECTRIFICATION INVESTMENTS;

21 (II) AN INCENTIVE TO ALLOW THE UTILITY TO ACCELERATE  
22 DEPRECIATION;

23 (III) AN INCENTIVE TO ALLOW THE UTILITY TO RETAIN A PORTION  
24 OF THE NET ECONOMIC BENEFITS OF BENEFICIAL ELECTRIFICATION;

25 (IV) AN INCENTIVE TO ALLOW THE UTILITY TO COLLECT THE COST  
26 OF BENEFICIAL ELECTRIFICATION PROGRAMS THROUGH A RIDER OR COST  
27 ADJUSTMENT CLAUSE; OR

1 (V) ANY OTHER INCENTIVE MECHANISM THE COMMISSION DEEMS  
2 APPROPRIATE.

3 (6) (a) BY APRIL 1, 2024, AND THEREAFTER AS DETERMINED BY  
4 THE COMMISSION BUT NO LESS FREQUENTLY THAN EVERY SIX YEARS, AN  
5 INVESTOR-OWNED ELECTRIC UTILITY SHALL FILE AN APPLICATION FOR A  
6 BENEFICIAL ELECTRIFICATION STRATEGIC ISSUES FILING THAT PROPOSES  
7 A TEN-YEAR BENEFICIAL ELECTRIFICATION TARGET AND OBJECTIVE  
8 CRITERIA FOR MEASURING PROGRESS TOWARD ATTAINMENT OF THE  
9 TARGET, WHICH CRITERIA MAY INCLUDE THE LEVEL OF SUBSTITUTION OF  
10 RENEWABLE SOURCES FOR FOSSIL FUEL OR THE LEVEL OF REDUCTION IN  
11 GREENHOUSE GAS EMISSIONS. THE COMMISSION SHALL APPROVE OR  
12 AMEND AND APPROVE THE UTILITY'S APPLICATION, TAKING INTO ACCOUNT  
13 THE UTILITY'S POTENTIAL FOR COST-EFFECTIVE BENEFICIAL  
14 ELECTRIFICATION, THE STATE'S GREENHOUSE GAS POLLUTION REDUCTION  
15 TARGETS, AND THE POTENTIAL FOR BENEFICIAL ELECTRIFICATION TO  
16 REDUCE GREENHOUSE GAS EMISSIONS.

17 (b) THE BENEFICIAL ELECTRIFICATION STRATEGIC ISSUES FILING  
18 MAY BE COMBINED WITH OTHER DEMAND-SIDE MANAGEMENT STRATEGIC  
19 ISSUES OR RELATED FILINGS AS APPROPRIATE, AND AN INVESTOR-OWNED  
20 GAS UTILITY MAY FILE WITH THE COMMISSION AN APPLICATION FOR A  
21 BENEFICIAL ELECTRIFICATION PLAN FOR REGULATED ACTIVITIES TO  
22 SUPPORT BENEFICIAL ELECTRIFICATION AS PART OF SUCH A PROCEEDING  
23 OR AS A SEPARATE APPLICATION. A BENEFICIAL ELECTRIFICATION PLAN  
24 FILED BY AN INVESTOR-OWNED GAS UTILITY IS ELIGIBLE FOR THE SAME  
25 TREATMENT AS A BENEFICIAL ELECTRIFICATION PLAN FILED BY AN  
26 INVESTOR-OWNED ELECTRIC UTILITY PURSUANT TO THIS SECTION.

27 (7) THE ELECTRIC UTILITY OR OTHER ENTITY COMMISSIONING A

1 BENEFICIAL ELECTRIFICATION PROJECT SHALL ENSURE COMPLIANCE WITH  
2 THE LABOR STANDARDS SET FORTH IN SECTION 40-3.2-105.6.

3 (8) EACH ELECTRIC UTILITY THAT IMPLEMENTS A BENEFICIAL  
4 ELECTRIFICATION PLAN SHALL SUBMIT TO THE COMMISSION AN ANNUAL  
5 REPORT DESCRIBING THE BENEFICIAL ELECTRIFICATION PROGRAMS  
6 IMPLEMENTED UNDER THE PLAN AND DOCUMENTING:

7 (a) PROGRAM EXPENDITURES, ENERGY SAVINGS, INCREMENTAL  
8 ADDITIONAL ELECTRIC LOAD ATTRIBUTABLE TO APPROVED BENEFICIAL  
9 ELECTRIFICATION PROGRAMS, AND INCREMENTAL ADDITIONAL  
10 GREENHOUSE GAS EMISSIONS ASSOCIATED WITH BENEFICIAL ELECTRIC  
11 LOAD ATTRIBUTABLE TO APPROVED BENEFICIAL ELECTRIFICATION  
12 PROGRAMS;

13 (b) ASSUMED AVOIDED GREENHOUSE GAS EMISSIONS FROM OTHER  
14 SECTORS RESULTING FROM APPROVED BENEFICIAL ELECTRIFICATION  
15 PROGRAMS;

16 (c) SOCIETAL COSTS AND BENEFITS OF APPROVED BENEFICIAL  
17 ELECTRIFICATION PROGRAMS AS WELL AS THE TECHNIQUES USED TO  
18 CALCULATE THOSE IMPACTS;

19 (d) COMPLIANCE WITH THE LABOR STANDARDS SET FORTH IN  
20 SECTION 40-3.2-105.6; AND

21 (e) ANY OTHER INFORMATION THAT THE COMMISSION REQUESTS.

22 (9) MUNICIPALLY OWNED ELECTRIC UTILITIES, COOPERATIVE  
23 ELECTRIC ASSOCIATIONS, AND WHOLESALE ELECTRIC COOPERATIVES, AS  
24 DEFINED IN SECTION 40-2-134, IN COLORADO ARE ENCOURAGED TO:

25         
26 (a) DEVELOP BENEFICIAL ELECTRIFICATION PLANS AS ADDRESSED  
27 IN THIS SECTION AND TRANSPORTATION ELECTRIFICATION PROGRAMS

1 PURSUANT TO SECTION 40-5-107 THAT HELP THEIR CUSTOMERS INVEST IN  
2 BENEFICIAL ELECTRIFICATION IN BUILDINGS AND TRANSPORTATION;

3 (b) ACCOUNT FOR THE SOCIAL COST OF CARBON DIOXIDE AND  
4 METHANE EMISSIONS, SET TOTAL ENERGY SAVINGS AND  
5 GREENHOUSE-GAS-EMISSION-REDUCTION GOALS, AND IMPLEMENT  
6 BENEFICIAL ELECTRIFICATION PROGRAMS FOR THEIR CUSTOMERS;

7 (c) INCLUDE A BENEFICIAL ELECTRIFICATION PLAN OR  
8 TRANSPORTATION ELECTRIFICATION PROGRAM AS PART OF A CLEAN  
9 ENERGY PLAN; AND

10 (d) PARTICIPATE IN STATEWIDE OR REGIONAL INITIATIVES TO  
11 INCREASE THE AVAILABILITY OF, DEVELOP THE MARKET FOR, AND SUPPORT  
12 CONTRACTOR TRAINING ON HIGH-EFFICIENCY ELECTRIC TECHNOLOGIES. ==

13 (10) IN IMPLEMENTING THIS SECTION, THE COMMISSION SHALL NOT  
14 REQUIRE THE REMOVAL OF GAS-FUELED APPLIANCES OR EQUIPMENT FROM  
15 ANY EXISTING STRUCTURE OR BAN THE INSTALLATION OF GAS SERVICE  
16 LINES TO ANY NEW STRUCTURE.

17 **SECTION 6.** In Colorado Revised Statutes, 22-43.7-107, **amend**  
18 (2)(e) as follows:

19 **22-43.7-107. Public school facility construction guidelines -**  
20 **establishment by board - use.** (2) The public school facility  
21 construction guidelines must identify and describe the capital  
22 construction, renovation, and equipment needs in public school facilities  
23 and means of addressing those needs that will provide educational and  
24 safety benefits at a reasonable cost. In preparing the guidelines, the board  
25 shall address the following considerations:

26 (e) Consultation with the incumbent electric utility regarding  
27 energy efficiency; beneficial electrification, as defined in **section**



1 ~~40-3.2-106 (6)(a)~~ SECTION 40-1-102 (1.2); and renewable distributed  
2 generation opportunities;

3 **SECTION 7. Appropriation.** (1) For the 2021-22 state fiscal  
4 year, \$168,448 is appropriated to the department of regulatory agencies  
5 for use by the public utilities commission. This appropriation is from the  
6 public utilities commission fixed utility fund created in section 40-2-114  
7 (1)(b)(II), C.R.S. To implement this act, the commission may use this  
8 appropriation as follows:

9 (a) \$128,548 for personal services, which amount is based on an  
10 assumption that the commission will require an additional 1.6 FTE; and

11 (b) \$39,900 for operating expenses.

12 (2) For the 2021-22 state fiscal year, \$73,351 is appropriated to  
13 the department of labor and employment for use by the division of  
14 employment and training. This appropriation is from the general fund and  
15 is based on the assumption that the department will require an additional  
16 0.9 FTE. To implement this act, the division may use this appropriation  
17 for assembling and maintaining a certified contractor list.

18 **SECTION 8. Act subject to petition - effective date.** This act  
19 takes effect at 12:01 a.m. on the day following the expiration of the  
20 ninety-day period after final adjournment of the general assembly; except  
21 that, if a referendum petition is filed pursuant to section 1 (3) of article V  
22 of the state constitution against this act or an item, section, or part of this  
23 act within such period, then the act, item, section, or part will not take  
24 effect unless approved by the people at the general election to be held in  
25 November 2022 and, in such case, will take effect on the date of the  
26 official declaration of the vote thereon by the governor.