

SB23-016

SENATE FLOOR AMENDMENT

Second Reading

BY SENATOR Hansen

1 Amend printed bill, page 4, after line 3 insert:

2 "SECTION 2. In Colorado Revised Statutes, 24-38.5-102 **amend**
3 (1) as follows:

4 **24-38.5-102. Colorado energy office - duties and powers.**

5 (1) The Colorado energy office shall:

6 (a) Work with communities, utilities, AND private and public
7 organizations ~~and individuals to promote~~ TO:

8 (I) SUPPORT ACHIEVING LEGISLATIVE GOALS TO REDUCE
9 STATEWIDE GREENHOUSE GAS POLLUTION, AS DEFINED IN SECTION 25-7-
10 103 (22.5);

11 (II) MAKE PROGRESS TOWARD ELIMINATING GREENHOUSE GAS
12 POLLUTION FROM ELECTRICITY GENERATION, GAS UTILITIES, AND
13 TRANSPORTATION;

14 ~~(H)~~ (III) IMPLEMENT the renewable energy standard established in
15 section 40-2-124;

16 ~~(H)~~ ~~Clean~~ and (IV) SUPPORT THE DEPLOYMENT OF renewable
17 energy, such as wind, hydroelectricity, solar, CLEAN HYDROGEN, and
18 geothermal;

19 ~~(HH)~~ (V) EVALUATE, AND WHEN APPROPRIATE, SUPPORT THE
20 DEPLOYMENT OF cleaner energy sources such as ~~biogas, biomass, and~~
21 CLEAN HYDROGEN, GEOTHERMAL, RECOVERED METHANE, RECOVERED
22 HEAT, AND ADVANCED nuclear;

23 ~~(IV)~~ ~~Traditional energy sources such as oil and other petroleum~~
24 ~~products, coal, propane, and natural gas;~~

25 ~~(V)~~ (VI) SUPPORT THE DEPLOYMENT OF energy efficiency AND
26 ENERGY LOAD MANAGEMENT technologies and practices;

27 ~~(VI)~~ ~~Cleaner technologies by utilizing traditional,~~
28 ~~Colorado-sourced energy;~~

29 (VII) ~~New~~ EVALUATE, AND WHERE APPROPRIATE, SUPPORT THE
30 DEPLOYMENT OF INNOVATIVE energy technologies as described in section
31 40-2-123; and

32 (VIII) SUPPORT THE DEPLOYMENT OF energy storage systems,
33 INCLUDING BOTH LONG-DURATION AND SHORT-DURATION ENERGY
34 STORAGE;

35 (IX) SUPPORT THE IMPLEMENTATION OF CLEAN HEAT PLANS
36 PURSUANT TO SECTION 40-3.2-108;

37 (X) SUPPORT WIDESPREAD TRANSPORTATION ELECTRIFICATION;

38 (XI) SUPPORT BENEFICIAL ELECTRIFICATION, AS DEFINED IN
39 SECTION 40-1-102 (1.2) IN THE BUILDING, INDUSTRIAL, AND OIL AND GAS
40 SECTORS;

1 (XII) SUPPORT INDUSTRIAL EMISSIONS REDUCTIONS;
2 (XIII) SUPPORT POLLUTION REDUCTION THROUGH CARBON
3 CAPTURE AND SEQUESTRATION AND OTHER FORMS OF CARBON
4 MANAGEMENT; AND
5 (XIV) SUPPORT SUSTAINABLE LAND-USE PATTERNS THAT REDUCE
6 ENERGY CONSUMPTION AND GREENHOUSE GAS POLLUTION.
7 (b) Develop programs to ~~promote high performance~~ REDUCE
8 ENERGY USE AND GREENHOUSE GAS POLLUTION FROM buildings ~~for~~ IN
9 commercial and residential markets;
10 (c) ~~Make~~ SUPPORT EFFORTS TO REDUCE GREENHOUSE GAS
11 POLLUTION BY state government ~~more~~ THROUGH energy ~~efficient~~
12 EFFICIENCY, LOAD MANAGEMENT, RENEWABLE ENERGY, TRANSPORTATION
13 ELECTRIFICATION, AND CLEANER PROCUREMENT;
14 (d) Promote technology transfer and economic development;
15 (e) ~~Advance innovative energy efficiency, renewable energy, and~~
16 ~~efficiency throughout the state as specified in sections 24-38.5-102.4 and~~
17 ~~24-38.5-102.5;~~
18 (f) to (i) ~~Repealed.~~
19 (j) (e) ~~Ensure that information explaining the requirements of~~
20 ~~SUPPORT THE ADOPTION AND IMPLEMENTATION OF ADVANCED energy~~
21 ~~codes is available~~ THAT REDUCE ENERGY USE AND GREENHOUSE GAS
22 EMISSIONS and provide INFORMATION AND technical assistance
23 concerning the implementation and enforcement of energy codes to both
24 counties and municipalities, INCLUDING as specified in sections ~~30-28-211~~
25 ~~(7) 24-38.5-103, 24-38.5-401, 24-38.5-402,~~ and 31-15-602 (7); ~~C.R.S.;~~
26 ~~(k)~~ (f) Collaborate with the state board of land commissioners
27 regarding renewable energy resource development as specified in section
28 36-1-147.5 (4); ~~C.R.S.;~~
29 (h) (g) Provide home energy efficiency improvements for
30 low-income households, INCLUDING THROUGH THE WEATHERIZATION
31 ASSISTANCE PROGRAM, as specified in section 40-8.7-112 (3)(b); ~~C.R.S.;~~
32 ~~and prepare and submit to the general assembly an annual report as~~
33 ~~specified in section 40-8.7-112 (3)(f), C.R.S.;~~
34 (m) ~~Establish and manage a program to improve energy efficiency~~
35 ~~in public schools as provided in section 39-29-109.5, C.R.S.;~~
36 (n) (i) ~~Provide public utilities with reasonable assistance, if~~
37 ~~requested, in seeking and obtaining support and sponsorship for an IGCC~~
38 ~~project and manage and distribute to the utility some or all of any funds~~
39 ~~provided by the state or by the United States government to the state for~~
40 ~~purposes of study or development of an IGCC project.~~
41 (ii) ~~As used in this subsection (1)(n), "IGCC project" means an~~
42 ~~IGCC facility that:~~
43 (A) ~~Demonstrates the use of IGCC technology to generate~~

1 electricity using Colorado or other western coal;
2 (B) Does not exceed three hundred fifty megawatts nameplate
3 capacity; except that it may exceed this capacity if the Colorado energy
4 office determines that a larger size is necessary to obtain the benefits of
5 federal cost sharing, financial grants or tax benefits, or other financial
6 opportunities or arrangements benefitting the project, including
7 opportunities to jointly develop the project with other electric utilities;
8 (C) Demonstrates the capture and sequestration of a portion of the
9 project's carbon dioxide emissions;
10 (D) Includes methods and procedures to monitor the fate of the
11 carbon dioxide captured and sequestered from the facility; and
12 (E) Is located in Colorado.
13 (H) As used in this subsection (1)(n), "IGCC facility" means an
14 integrated gasification combined cycle generation facility that converts
15 coal to a gaseous fuel from which impurities are removed prior to
16 combustion, uses the gaseous fuel in a combustion turbine to produce
17 electricity, and captures the waste heat from the combustion turbine to
18 drive a steam turbine to produce more electricity. An IGCC facility may
19 also use natural gas, in addition to gasified coal, as a fuel in the
20 combustion turbine.
21 (h) Collaborate with stakeholders to develop and encourage
22 increased utilization of energy curricula, including science, technology,
23 engineering, and math curricula, that will serve the work force
24 WORKFORCE needs of all CLEAN energy industries. Such collaboration
25 may include executive departments, research institutions, state colleges,
26 community colleges, industry, and trade organizations in an effort to
27 develop a means by which the state may address all facets of work force
28 WORKFORCE demands in developing a balanced energy portfolio
29 SUPPORTING A CLEAN ENERGY FUTURE. Institutions may also partner in the
30 development of curricula with organizations that have existing energy
31 curricula and training programs.
32 (i) Annually report to the senate agriculture, natural resources,
33 TRANSPORTATION and energy committee and the house agriculture,
34 livestock, and natural resources ENERGY AND ENVIRONMENT committee,
35 or their successor committees;
36 (j) Administer the electric vehicle grant fund CREATED IN
37 SECTION 24-38.5-103 (1)(a) AND THE COMMUNITY ACCESS ENTERPRISE
38 CREATED IN SECTION 24-38.5-303 (1);
39 (r) and (s) Repealed.
40 (k) Assist the executive director of the department of local
41 affairs in allocating revenues from the geothermal resource leasing fund
42 to eligible entities pursuant to section 34-63-105; C.R.S.;
43 (l) Develop basic consumer education or guidance about

- 1 leased solar installation and purchased solar installation in consultation
- 2 with industries that offer these options to consumers; and
- 3 (v) (m) In consultation with the appropriate industries, develop
- 4 basic consumer education or guidance about purchased or, if available,
- 5 leased installation of a system that uses geothermal energy for water
- 6 heating or space heating or cooling in a single building or for space
- 7 heating for more than one building through a pipeline network."
- 8 Renumber succeeding sections accordingly.

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