

AMENDMENT TO SUBTITLE D
OFFERED BY MR. HUDSON OF NORTH
CAROLINA

At the end of subtitle D, add the following:

1 **PART 9—BLUE COLLAR AND GREEN COLLAR**

2 **JOBS DEVELOPMENT**

3 **SEC. 30491. ENERGY WORKFORCE DEVELOPMENT.**

4 (a) IN GENERAL.—Subject to the availability of ap-
5 propriations for such purpose, the Secretary shall estab-
6 lish and carry out a comprehensive, nationwide program
7 to improve education and training for jobs in energy-re-
8 lated industries in order to increase the number of skilled
9 workers trained for such jobs.

10 (b) DIRECT ASSISTANCE.—

11 (1) IN GENERAL.—In carrying out the program
12 established under subsection (a), the Secretary may
13 provide—

14 (A) financial assistance awards, technical
15 assistance, and other assistance the Secretary
16 determines appropriate, to educational institu-
17 tions and covered organizations and programs,
18 including those serving unemployed energy
19 workers; and

1 (B) internships, fellowships, traineeships,
2 and apprenticeships at the Department of En-
3 ergy, including at the Department of Energy
4 national laboratories.

5 (2) DISTRIBUTION.—Subject to subsection (c),
6 the Secretary shall distribute assistance described in
7 paragraph (1) in a manner proportional to the needs
8 of energy-related industries and demand for jobs in
9 energy-related industries, consistent with informa-
10 tion developed under subsection (e).

11 (c) PRIORITY.—In carrying out the program estab-
12 lished under subsection (a), the Secretary shall—

13 (1) prioritize the education and training of indi-
14 viduals from underrepresented communities for jobs
15 in energy-related industries, including in providing
16 internships, fellowships, traineeships, apprentice-
17 ships, and employment at the Department of En-
18 ergy, including at the Department of Energy na-
19 tional laboratories; and

20 (2) in providing research grants and technical
21 assistance to educational institutions, give priority to
22 minority-serving institutions.

23 (d) COLLABORATION AND OUTREACH.—In carrying
24 out the program established under subsection (a), the Sec-
25 retary shall—

1 (1) collaborate with—

2 (A) to the maximum extent possible, State
3 workforce development boards, to maximize pro-
4 gram efficiency;

5 (B) educational institutions and covered
6 organizations and programs;

7 (C) energy-related industries and covered
8 organizations and programs to increase the op-
9 portunities for, and enrollment of, students and
10 other candidates, including students of minor-
11 ity-serving institutions and unemployed energy
12 workers, to participate in industry internships,
13 fellowships, traineeships, and apprenticeships;
14 and

15 (D) Federal-State Regional Commissions,
16 including the Appalachia Regional Commission,
17 the Delta Regional Authority, the Denali Com-
18 mission, the Northern Border Regional Com-
19 mission, the Northern Great Plains Regional
20 Commission, and the Southeast Crescent Re-
21 gional Commission; and

22 (2) conduct outreach activities to—

23 (A) encourage individuals from underrep-
24 resented communities and unemployed energy
25 workers to enter into the STEM fields; and

1 (B) encourage and foster collaboration,
2 mentorships, and partnerships among energy-
3 related industries, and covered organizations
4 and programs, that provide effective training
5 programs for jobs in energy-related industries
6 and educational institutions that seek to estab-
7 lish these types of programs in order to share
8 best practices and approaches that best suit
9 local, State, and national needs.

10 (e) CLEARINGHOUSE.—

11 (1) ESTABLISHMENT.—In carrying out the pro-
12 gram established under subsection (a), the Sec-
13 retary, in collaboration with the Commissioner of the
14 Bureau of Labor Statistics, the Secretary of Com-
15 merce, the Director of the Bureau of the Census,
16 and energy-related industries, shall establish a clear-
17 inghouse to—

18 (A) develop, maintain, and update informa-
19 tion and other resources, by State and by re-
20 gion, on—

21 (i) training programs for jobs in en-
22 ergy-related industries; and

23 (ii) the current and future workforce
24 needs of energy-related industries, and job
25 opportunities in such energy-related indus-

1 tries, including identification of jobs in en-
2 ergy-related industries for which there is
3 the greatest demand; and

4 (B) act as a resource for educational insti-
5 tutions and covered organizations and programs
6 that would like to develop and implement train-
7 ing programs for such jobs.

8 (2) REPORT.—The Secretary shall annually
9 publish a report on the information and other re-
10 sources developed, maintained, and updated on the
11 clearinghouse established under paragraph (1).

12 (f) GUIDELINES TO DEVELOP SKILLS FOR AN EN-
13 ERGY INDUSTRY WORKFORCE.—

14 (1) IN GENERAL.—In carrying out the program
15 established under subsection (a), the Secretary, in
16 collaboration with the Secretary of Education, the
17 Secretary of Commerce, the Secretary of Labor, and
18 the National Science Foundation, shall develop vol-
19 untary guidelines or best practices for educational
20 institutions to help provide students with the skills
21 necessary for jobs in energy-related industries, in-
22 cluding jobs in—

23 (A) the energy efficiency industry, includ-
24 ing jobs in energy efficiency (including architec-
25 ture, design, and construction of new energy ef-

1 efficient buildings), conservation, weatherization,
2 retrofitting, inspecting, auditing, and software
3 development;

4 (B) the renewable energy industry, includ-
5 ing jobs in the development, engineering, manu-
6 facturing, and production of energy from re-
7 newable energy sources (such as solar, hydro-
8 power, wind, and geothermal energy);

9 (C) the community energy resiliency indus-
10 try, including jobs in the installation of rooftop
11 solar, in battery storage, and in microgrid tech-
12 nologies;

13 (D) the fuel cell and hydrogen energy in-
14 dustry;

15 (E) the advanced automotive technology
16 industry, including jobs relating to electric vehi-
17 cle batteries, connectivity and automation, and
18 advanced combustion engines;

19 (F) the manufacturing industry, including
20 jobs as operations technicians, in operations
21 and design in additive manufacturing, 3-D
22 printing, and advanced composites and ad-
23 vanced aluminum and other metal alloys, and in
24 industrial energy efficiency management sys-

1 tems, including power electronics, and other in-
2 novative technologies;

3 (G) the chemical manufacturing industry,
4 including jobs in construction (such as welders,
5 pipefitters, and tool and die makers), as instru-
6 ment and electrical technicians, machinists,
7 chemical process operators, engineers, quality
8 and safety professionals, and reliability engi-
9 neers;

10 (H) the utility industry, including jobs in
11 smart grid technology, cybersecurity manage-
12 ment, and the generation, transmission, and
13 distribution of electricity and natural gas, such
14 as electricians and utility dispatchers, techni-
15 cians, operators, lineworkers, engineers, sci-
16 entists, and information technology specialists;

17 (I) the alternative fuels industry, including
18 jobs in biofuel and bioproducts development and
19 production;

20 (J) the pipeline industry, including jobs in
21 pipeline construction and maintenance and jobs
22 as engineers and technical advisors;

23 (K) the nuclear energy industry, including
24 jobs as scientists, engineers, technicians, mathe-
25 maticians, and security personnel;

1 (L) the oil and gas industry, including jobs
2 as scientists, engineers, technicians, mathemati-
3 cians, petrochemical engineers, and geologists;
4 and

5 (M) the coal industry, including jobs as
6 coal miners, engineers, developers and manufac-
7 turers of state-of-the-art coal facilities, tech-
8 nology vendors, coal transportation workers and
9 operators, and mining equipment vendors.

10 (2) INPUT.—The Secretary shall solicit input
11 from energy-related industries in developing guide-
12 lines or best practices under paragraph (1).

13 (3) ENERGY EFFICIENCY AND CONSERVATION
14 INITIATIVES.—The guidelines or best practices devel-
15 oped under paragraph (1) shall include grade-spe-
16 cific guidelines for elementary schools and secondary
17 schools for teaching energy efficiency technology, ar-
18 chitecture, design, and construction of new energy-
19 efficient buildings and building energy retrofits,
20 manufacturing efficiency technology, community en-
21 ergy resiliency, and conservation initiatives.

22 (4) STEM EDUCATION.—The guidelines or best
23 practices developed under paragraph (1) shall pro-
24 mote STEM education in educational institutions as

1 it relates to job opportunities in energy-related in-
2 dustries listed under such paragraph.

3 (5) PROHIBITION.—Nothing in this subsection
4 shall be construed to authorize the Secretary or any
5 other officer or employee of the Federal Government
6 to require or coerce a State, local educational agen-
7 cy, or educational institution to adopt or carry out
8 the guidelines or best practices developed under
9 paragraph (1).

10 (g) CONSOLIDATION.—To the extent practicable, the
11 Secretary shall, to avoid duplication of efforts, carry out
12 the Equity in Energy Initiative of the Department of En-
13 ergy, the Minority Educational Institution Student Part-
14 nership Program of the Department of Energy, and any
15 other program of the Department of Energy that the Sec-
16 retary determines appropriate, through the program es-
17 tablished under subsection (a).

18 (h) AUTHORIZATION OF APPROPRIATIONS.—There is
19 authorized to be appropriated to carry out this section
20 \$15,000,000 for each of fiscal years 2022 through 2026.

21 **SEC. 30492. ENERGY WORKFORCE GRANT PROGRAM.**

22 (a) PROGRAM.—

23 (1) ESTABLISHMENT.—Subject to the avail-
24 ability of appropriations for such purpose, the Sec-
25 retary shall establish and carry out a program to

1 provide grants to eligible entities to pay the eligible
2 wages of, or eligible stipends for, individuals during
3 the time period that such individuals are receiving
4 training to work for an eligible business.

5 (2) GUIDELINES.—Not later than 60 days after
6 the date of enactment of this Act, the Secretary, in
7 consultation with eligible businesses, shall establish
8 guidelines that identify—

9 (A) criteria for wages and stipends to meet
10 to be eligible for purposes of the program estab-
11 lished pursuant to paragraph (1); and

12 (B) training that is eligible for purposes of
13 the program established pursuant to paragraph
14 (1).

15 (b) ELIGIBILITY.—For purposes of this section:

16 (1) ELIGIBLE BUSINESS.—The term “eligible
17 business” means a business that provides services
18 related to—

19 (A) renewable electric energy generation,
20 including solar, wind, geothermal, hydropower,
21 and other renewable electric energy generation
22 technologies;

23 (B) energy efficiency, including energy-effi-
24 cient lighting, heating, ventilation, and air con-
25 ditioning, air source heat pumps, advanced

1 building materials, insulation and air sealing,
2 and other high-efficiency products and services,
3 including auditing and inspection, architecture,
4 design, and construction of new energy efficient
5 buildings and building energy retrofits;

6 (C) grid modernization or energy storage,
7 including smart grid, microgrid and other dis-
8 tributed energy solutions, demand response
9 management, and home energy management
10 technology;

11 (D) advanced fossil energy technology, in-
12 cluding—

- 13 (i) advanced resource development;
14 (ii) carbon capture, storage, and use;
15 (iii) low-carbon power systems;
16 (iv) efficiency improvements that sub-
17 stantially reduce emissions; and
18 (v) direct air capture;

19 (E) nuclear energy, including research, de-
20 velopment, demonstration, and commercial ap-
21 plication relating to nuclear energy;

22 (F) cybersecurity for the energy sector, in-
23 cluding infrastructure, emergency planning, co-
24 ordination, response, and restoration;

1 (G) alternative fuels, including biofuel and
2 bioproduct development and production;

3 (H) advanced automotive technology, in-
4 cluding electric vehicle batteries, connectivity
5 and automation, and advanced combustion en-
6 gines; or

7 (I) fuel cell and hybrid fuel cell generation.

8 (2) ELIGIBLE ENTITY.—The term “eligible enti-
9 ty” means—

10 (A) an eligible business; or

11 (B) a labor organization, nonprofit organi-
12 zation, or qualified youth or conservation corps,
13 that provides training to individuals to work for
14 an eligible business, or works on behalf of any
15 such eligible business.

16 (3) ELIGIBLE STIPEND.—The term “eligible sti-
17 pend” means a stipend that meets the criteria iden-
18 tified pursuant to the guidelines established under
19 subsection (a)(2).

20 (4) ELIGIBLE WAGES.—The term “eligible
21 wages” means wages that meet the criteria identified
22 pursuant to the guidelines established under sub-
23 section (a)(2).

24 (c) USE OF GRANTS.—

1 (1) ELIGIBLE WAGES.—An eligible business
2 with—

3 (A) 20 or fewer employees may use a grant
4 provided under the program established under
5 subsection (a) to pay up to—

6 (i) 45 percent of an employee’s eligi-
7 ble wages for the duration of the applicable
8 training for such employee, if the training
9 is provided by the eligible business; and

10 (ii) 90 percent of an employee’s eligi-
11 ble wages for the duration of the applicable
12 training for such employee, if the training
13 is provided by an entity other than the eli-
14 gible business;

15 (B) 21 to 99 employees may use a grant
16 provided under the program established under
17 subsection (a) to pay up to—

18 (i) 37.5 percent of an employee’s eligi-
19 ble wages for the duration of the applicable
20 training for such employee, if the training
21 is provided by the eligible business; and

22 (ii) 75 percent of an employee’s eligi-
23 ble wages for the duration of the applicable
24 training for such employee, if the training

1 is provided by an entity other than the eli-
2 gible business; and

3 (C) 100 employees or more may use a
4 grant provided under the program established
5 under subsection (a) to pay up to—

6 (i) 25 percent of an employee's eligi-
7 ble wages for the duration of the applicable
8 training for such employee, if the training
9 is provided by the eligible business; and

10 (ii) 50 percent of an employee's eligi-
11 ble wages for the duration of the applicable
12 training for such employee, if the training
13 is provided by an entity other than the eli-
14 gible business.

15 (2) STIPEND.—An eligible entity may use a
16 grant provided under the program established under
17 subsection (a) to pay up to 100 percent of an eligi-
18 ble stipend for an individual for the duration of the
19 applicable training for such individual.

20 (d) PRIORITY FOR TARGETED COMMUNITIES.—In
21 providing grants under the program established under
22 subsection (a), the Secretary shall give priority to an eligi-
23 ble entity that—

24 (1) recruits or trains individuals who are—

1 (A) from the community that the eligible
2 entity serves; and

3 (B)(i) from underrepresented communities;

4 or

5 (ii) unemployed energy workers; and

6 (2) will provide individuals receiving training
7 with the opportunity to obtain or retain employment
8 at an eligible business.

9 (e) LIMIT.—An eligible entity may not receive more
10 than \$100,000 under the program established under sub-
11 section (a) per fiscal year.

12 (f) REPORT.—The Secretary shall submit to Con-
13 gress, annually for each year the program established
14 under subsection (a) is carried out, a report on such pro-
15 gram, including—

16 (1) an assessment of such program for the pre-
17 vious year, including the number of jobs filled by in-
18 dividuals trained pursuant to such program; and

19 (2) recommendations on how to improve such
20 program.

21 (g) AUTHORIZATION OF APPROPRIATIONS.—There is
22 authorized to be appropriated to carry out this section
23 \$50,000,000 for each of fiscal years 2022 through 2026.

24 **SEC. 30493. DEFINITIONS.**

25 In this part:

1 (1) APPRENTICESHIP.—The term “apprentice-
2 ship” means an apprenticeship registered under the
3 Act of August 16, 1937 (commonly known as the
4 “National Apprenticeship Act”; 50 Stat. 664, chap-
5 ter 663; 29 U.S.C. 50 et seq.).

6 (2) COVERED ORGANIZATIONS AND PRO-
7 GRAMS.—The term “covered organizations and pro-
8 grams” means local workforce development boards,
9 State workforce development boards, nonprofit orga-
10 nizations, qualified youth or conservation corps,
11 labor organizations, pre-apprenticeship programs,
12 and apprenticeship programs.

13 (3) EDUCATIONAL INSTITUTION.—The term
14 “educational institution” means an elementary
15 school, secondary school, or institution of higher
16 education.

17 (4) ELEMENTARY SCHOOL AND SECONDARY
18 SCHOOL.—The terms “elementary school” and “sec-
19 ondary school” have the meanings given such terms
20 in section 8101 of the Elementary and Secondary
21 Education Act of 1965 (20 U.S.C. 7801).

22 (5) ENERGY-RELATED INDUSTRY.—The term
23 “energy-related industry” includes the energy effi-
24 ciency industry, renewable energy industry, commu-
25 nity energy resiliency industry, fuel cell and hydro-

1 gen energy industry, advanced automotive tech-
2 nology industry, chemical manufacturing industry,
3 electric utility industry, gas utility industry, alter-
4 native fuels industry, pipeline industry, nuclear en-
5 ergy industry, oil and gas industry, and coal indus-
6 try.

7 (6) INSTITUTION OF HIGHER EDUCATION.—The
8 term “institution of higher education” has the
9 meaning given such term in section 102 of the High-
10 er Education Act of 1965 (20 U.S.C. 1002), except
11 that such term does not include institutions de-
12 scribed in subparagraph (A) or (C) of subsection
13 (a)(1) of such section 102.

14 (7) JOBS IN ENERGY-RELATED INDUSTRIES.—
15 The term “jobs in energy-related industries” in-
16 cludes manufacturing, engineering, construction, and
17 retrofitting jobs in energy-related industries.

18 (8) LABOR ORGANIZATION.—The term “labor
19 organization” has the meaning given such term in
20 section 2 of the National Labor Relations Act (29
21 U.S.C. 152).

22 (9) LOCAL WORKFORCE DEVELOPMENT
23 BOARD.—The term “local workforce development
24 board” means a local board, as defined in section 3

1 of the Workforce Innovation and Opportunity Act
2 (29 U.S.C. 3102).

3 (10) MINORITY-SERVING INSTITUTION.—The
4 term “minority-serving institution” means an insti-
5 tution of higher education that is of one of the fol-
6 lowing:

7 (A) A Hispanic-serving institution (as de-
8 fined in section 502(a) of the Higher Education
9 Act of 1965 (20 U.S.C. 1101a(a))).

10 (B) A Tribal College or University (as de-
11 fined in section 316(b) of the Higher Education
12 Act of 1965 (20 U.S.C. 1059e(b))).

13 (C) An Alaska Native-serving institution
14 (as defined in section 317(b) of the Higher
15 Education Act of 1965 (20 U.S.C. 1059d(b))).

16 (D) A Native Hawaiian-serving institution
17 (as defined in section 317(b) of the Higher
18 Education Act of 1965 (20 U.S.C. 1059d(b))).

19 (E) A Predominantly Black Institution (as
20 defined in section 318(b) of the Higher Edu-
21 cation Act of 1965 (20 U.S.C. 1059e(b))).

22 (F) A Native American-serving nontribal
23 institution (as defined in section 319(b) of the
24 Higher Education Act of 1965 (20 U.S.C.
25 1059f(b))).

1 (G) An Asian American and Native Amer-
2 ican Pacific Islander-serving institution (as de-
3 fined in section 320(b) of the Higher Education
4 Act of 1965 (20 U.S.C. 1059g(b))).

5 (H) A part B institution (as defined in
6 section 322 of the Higher Education Act of
7 1965 (20 U.S.C. 1061)).

8 (11) PRE-APPRENTICESHIP PROGRAM.—The
9 term “pre-apprenticeship program”—

10 (A) means a program or set of strategies
11 that is designed to prepare individuals to enter
12 and succeed in an apprenticeship program; and

13 (B) includes training and training cur-
14 riculum aligned with apprenticeship and indus-
15 try standards to teach participants necessary
16 industry-related skills and competencies.

17 (12) QUALIFIED YOUTH OR CONSERVATION
18 CORPS.—The term “qualified youth or conservation
19 corps” has the meaning given such term in section
20 203(11) of the Public Lands Corps Act of 1993 (16
21 U.S.C. 1722(11)).

22 (13) SECRETARY.—The term “Secretary”
23 means the Secretary of Energy.

24 (14) STATE WORKFORCE DEVELOPMENT
25 BOARD.—The term “State workforce development

1 board” means a State board, as defined in section
2 3 of the Workforce Innovation and Opportunity Act
3 (29 U.S.C. 3102).

4 (15) STEM.—The term “STEM” means
5 science, technology, engineering, and mathematics.

6 (16) UNDERREPRESENTED COMMUNITIES.—
7 The term “underrepresented communities” includes
8 religious and ethnic minorities, women, veterans, in-
9 dividuals with disabilities, individuals who are
10 socioeconomically disadvantaged, individuals who are
11 or were foster children, and formerly incarcerated
12 individuals.

