



Page 41, beginning on line 10, strike “Tribal Colleges or Universities, and local offices of the National Institute of Food and Agriculture and” and insert “and Tribal Colleges or Universities and”.

Page 56, strike lines 15 through 18 and insert the following:

1           (c) CLERICAL AMENDMENTS.—The table of contents  
2 of the Energy Independence and Security Act of 2007 (42  
3 U.S.C. prec. 17001) is amended—

4           (1) in the item relating to section 452, by strik-  
5 ing “Energy-intensive industries program” and in-  
6 sserting “Future of industry program”; and

7           (2) by adding at the end of the items relating  
8 to subtitle D of title IV the following:

Page 78, after line 12, insert the following:

9           (a) FINDINGS.—Congress finds the following:

10           (1) The Federal Government is the largest en-  
11 ergy user in the United States.

12           (2) Reducing energy and water use in Federal  
13 facilities—

14           (A) saves taxpayer dollars;

15           (B) reduces greenhouse gas emissions from  
16 the Federal sector; and

1 (C) increases employee comfort and pro-  
2 ductivity.

3 (3) It is important for the Federal Government  
4 to—

5 (A) develop goals for energy and water use  
6 reduction in Federal facilities; and

7 (B) to the maximum extent practicable,  
8 take measures that are life cycle cost effective.

9 (b) SENSE OF CONGRESS.—It is the sense of Con-  
10 gress that Federal agencies should—

11 (1) for each of fiscal years 2020 through 2030,  
12 reduce average building energy intensity (as meas-  
13 ured in British thermal units per gross square foot)  
14 at facilities of the agency by 2.5 percent each fiscal  
15 year, relative to the average building energy inten-  
16 sity of the facilities of the agency in fiscal year  
17 2018; and

18 (2) for each of fiscal years 2020 through 2030,  
19 improve water use efficiency and management, in-  
20 cluding stormwater management, at facilities of the  
21 agency by reducing agency water consumption inten-  
22 sity—

23 (A) by reducing the potable water con-  
24 sumption by 54 percent by fiscal year 2030, rel-  
25 ative to the potable water consumption of the

1 agency in fiscal year 2007, through reductions  
2 of 2 percent each fiscal year (as measured in  
3 gallons per gross square foot);

4 (B) by reducing the industrial, land-  
5 scaping, and agricultural water consumption of  
6 the agency, as compared to a baseline of that  
7 consumption by the agency in fiscal year 2010,  
8 through reductions of 2 percent each fiscal year  
9 (as measured in gallons); and

10 (C) by installing appropriate infrastructure  
11 features on federally owned property to improve  
12 stormwater and wastewater management.

Page 78, line 13, strike “Section 543” and insert  
the following:

13 (c) ENERGY MANAGEMENT REQUIREMENTS.—Sec-  
14 tion 543

Beginning on page 93, strike line 17 and all that  
follows through page 94, line 2 and insert the following:

15 “(dd) the responsible  
16 sourcing of grown, harvested, or  
17 mined materials, including  
18 through certifications of respon-  
19 sible sourcing, such as certifi-  
20 cations provided by the Forest

1 Stewardship Council, the Sus-  
2 tainable Forestry Initiative, the  
3 American Tree Farm System, or  
4 the Programme for the Endorse-  
5 ment of Forest Certification;  
6 and”

Page 99, after line 13, insert the following:

7 **SEC. 1413. USE OF ENERGY AND WATER EFFICIENCY MEAS-**  
8 **URES IN FEDERAL BUILDINGS.**

9 (a) FINDINGS.—Congress finds the following:

10 (1) Performance contracting is a private financ-  
11 ing tool with guaranteed energy savings and has  
12 been used by the Federal Government for nearly 30  
13 years.

14 (2) Energy savings performance contracts and  
15 utility energy service contracts allow the Government  
16 to invest in infrastructure using private sector fi-  
17 nancing and expertise, with a guarantee of results.

18 (3) Use of performance contracting has saved  
19 the Government and taxpayers more than  
20 \$18,000,000,000.

21 (4) By law, performance contracts are guaran-  
22 teed to provide savings to Federal agencies.

1           (5) On average, performance contracts achieve  
2 savings in excess of the contractual and statutory  
3 guarantee.

4           (6) In a fiscally constrained environment, per-  
5 formance contracting helps to address the Federal  
6 Government's backlog of maintenance and supple-  
7 ment scarce operations and maintenance dollars.

8           (7) The House of Representatives, the Senate,  
9 and the Office of Management and Budget have all  
10 acted to recognize the value of performance con-  
11 tracts by providing distinct budgetary consideration  
12 of them; in the 115th Congress, the House of Rep-  
13 resentatives included section 5109 in H. Con. Res.  
14 71 to enable the greater use of performance con-  
15 tracting and to recognize their full cost savings ben-  
16 efits.

17           (8) Federal agencies are not taking full advan-  
18 tage of the cost-effective energy efficiency measures  
19 that are available and documented.

20           (9) Using performance contracts to carry out  
21 such energy efficiency measures would benefit tax-  
22 payers, the economy, and the environment.

23           (b) REPORTS.—Section 548(b) of the National En-  
24 ergy Conservation Policy Act (42 U.S.C. 8258(b)) is  
25 amended—

1           (1) in paragraph (3), by striking “and” at the  
2           end;

3           (2) in paragraph (4), by striking the period at  
4           the end and inserting “; and”; and

5           (3) by adding at the end the following:

6           “(5)(A) the status of the energy savings per-  
7           formance contracts and utility energy service con-  
8           tracts of each agency, to the extent that the infor-  
9           mation is not duplicative of information provided to  
10          the Secretary under a separate authority;

11          “(B) the quantity and investment value of the  
12          contracts for the previous year;

13          “(C) the guaranteed energy savings, or for con-  
14          tracts without a guarantee, the estimated energy  
15          savings, for the previous year, as compared to the  
16          measured energy savings for the previous year;

17          “(D) a forecast of the estimated quantity and  
18          investment value of contracts anticipated in the fol-  
19          lowing year for each agency; and

20          “(E)(i) a comparison of the information de-  
21          scribed in subparagraph (B) and the forecast de-  
22          scribed in subparagraph (D) in the report of the  
23          previous year; and

24          “(ii) if applicable, the reasons for any dif-  
25          ferences in the data compared under clause (i).”.

Page 130, after line 2, insert the following:

1       (c) APPLICATION OF WAGE RATE REQUIREMENTS TO  
2 PARTIAL SYSTEM AND STATE ADMINISTERED RE-  
3 BATES.—Section 12202 of this Act shall not apply to re-  
4 bates under sections 1522 and 1523.

Page 145, after line 22, insert the following:

5 **SEC. 1603. APPLICATION OF WAGE RATE REQUIREMENTS**  
6                   **TO WEATHERIZATION ASSISTANCE PRO-**  
7                   **GRAM.**

8       With respect to the Weatherization Assistance Pro-  
9 gram, the requirements of section 12202 shall apply only  
10 to work performed on multifamily buildings.

Page 167, line 2, strike “and” and insert “or”.

Page 173, line 12, strike the comma.

Page 186, line 3, strike “Section 112(d)” and insert  
“Section 112”.

Page 186, beginning on line 4, strike “(16 U.S.C.  
2622(d))” and insert “(16 U.S.C. 2622)”.

Page 186, line 23, strike “is amended by” and in-  
sert “by”.

Page 229, strike line 4.



Page 229, lines 5 and 8, redesignate paragraphs (21) and (22) as paragraphs (20) and (21), respectively.

Page 231, after line 21, insert the following:

1       (j) CONFORMING AMENDMENT.—The table of con-  
2 tents in section 1 of the Energy Independence and Secu-  
3 rity Act of 2007 is amended by striking the items relating  
4 to section 606 and 607.

Page 236, line 17, strike “program” and insert “activities”.

Page 237, line 16, after “the program”, insert “established under section 2502(a)”.

Page 237, line 19, strike “create” and insert “advance”.

Page 238, line 16, insert “and low-cost” before “manner”.

Page 239, line 2, insert “and” after the semicolon.

Page 239, line 4, strike “; and” and insert a period.

Page 239, strike lines 5 through 7.

Page 239, line 24, insert “disposal,” after “refurbishing,”.

Page 249, line 3, before the period, insert “and re-designating subparagraphs (C) through (E) as subparagraphs (A) through (C)”.

Page 249, lines 8 and 9, strike “technology validation and market transformation program” and insert “demonstration and validation projects”.

Page 249, lines 11 through 14, strike “shall conduct a wind energy technology demonstration, validation, and market transformation program under which the Secretary”.

Page 249, line 23, insert “or validation” after “demonstration”.

Page 250, line 15, strike “and demonstration” and insert “demonstration, and commercial application”.

Page 276, line 14, strike “Act”.

Page 276, strike lines 21 through 23.

Page 311, strike line 23 through page 312, line 14.

Page 312, strike line 21 through page 318, line 2.

Page 332, line 23, strike “this section” and insert “subsections (a) through (f)”.

Page 342, strike lines 12 through 17 and insert the following:

1           “(f) There are authorized to be appropriated to the  
2 Secretary to carry out this section \$50,000,000, to remain  
3 available until expended, for each of fiscal years 2021  
4 through 2025.”.

Page 358, after line 22, insert the following:

5           (a) REPEAL.—Section 2 of the Methane Hydrate Re-  
6 search and Development Act of 2000 (30 U.S.C. 2001)  
7 is repealed.

8           (b) DEVELOPMENT.—Section 4 of the Methane Hy-  
9 drate Research and Development Act of 2000 (30 U.S.C.  
10 2003) is amended by striking “and development” in each  
11 place it occurs.

Page 358, line 23, redesignate subsection (a) as sub-  
section (c).

Page 359, line 4, through page 360, line 8, strike  
““(1) ASSISTANCE AND COORDINATION.—” and all that  
follows through “from methane hydrate reservoirs” and  
insert the following:

12           “(1) ASSISTANCE AND COORDINATION.—In car-  
13 rying out the program of methane hydrate research  
14 authorized by this section, the Secretary may award  
15 grants, or enter into contracts or cooperative agree-  
16 ments to—

1           “(A) conduct research to assess and miti-  
2 gate the environmental impact of natural meth-  
3 ane hydrate degassing;

4           “(B) conduct research to identify the envi-  
5 ronmental and health impacts of methane hy-  
6 drate development;

7           “(C) assess and develop technologies to  
8 mitigate environmental impacts of natural  
9 methane hydrate degassing and to mitigate en-  
10 vironmental impacts of the exploration and  
11 commercial development of methane hydrates,  
12 including through the avoidance of the use of  
13 seismic testing; or

14           “(D) expand education and training pro-  
15 grams in methane hydrate research through fel-  
16 lowships or other means for graduate education  
17 and training.

18           “(2) ENVIRONMENTAL MONITORING AND RE-  
19 SEARCH.—

20           “(A) IN GENERAL.—The Secretary, Sec-  
21 retary of Commerce, and Secretary of the Inte-  
22 rior shall conduct a long-term environmental  
23 monitoring and research program to study  
24 methane hydrates.

1           “(B) NOTICE AND COMMENT.—In devel-  
2           oping a plan for long-term environmental moni-  
3           toring and research under subparagraph (A),  
4           the Secretaries shall publish in the Federal  
5           Register a notice providing for an opportunity  
6           for the public to comment on such plan prior to  
7           conducting monitoring and research under such  
8           subparagraph.”.

Page 360, after line 13, insert the following:

9           (d) RESPONSIBILITIES OF THE SECRETARY.—Section  
10          4(e) of the Methane Hydrate Research and Development  
11          Act of 2000 (30 U.S.C. 2003(e)) is amended to read as  
12          follows:

13          “(e) RESPONSIBILITIES OF THE SECRETARY.—In  
14          carrying out subsection (b)(1), the Secretary shall—

15                 “(1) facilitate and develop partnerships among  
16                 government, industrial enterprises, and institutions  
17                 of higher education to research methane hydrates;

18                 “(2) ensure that the data and information de-  
19                 veloped through the program are accessible and  
20                 widely disseminated as needed and appropriate;

21                 “(3) promote cooperation among agencies that  
22                 are developing technologies that may hold promise  
23                 for methane hydrate research;

1           “(4) report annually to Congress on the results  
2 of actions taken to carry out this chapter; and

3           “(5) ensure, to the maximum extent prac-  
4 ticable, greater participation by the Department of  
5 Energy in international cooperative efforts.”.

Page 360, lines 14 and 18 redesignate subsections (b) and (c) as subsections (e) and (f), respectively.

Page 383, line 16, strike “State-approved”.

Page 383, line 17, insert “that are approved by the rate-setting entity and” after “programs”.

Page 386, line 19, strike “; and” and insert a semi-colon.

Page 386, line 21, strike the period at the end and insert “; and”.

Page 386, after line 21, insert the following:

6           “(C) is in compliance with subsection  
7 (i)(2).”

Page 388, strike lines 4 through 11 and insert the following:

8           (b) ACCESS FOR SURVEYS.—Section 7 of the Natural  
9 Gas Act (15 U.S.C. 717f) is further amended by adding  
10 at the end the following:

1           “(i)(1) For purposes of subsection (h), the exercise  
2 of the right of eminent domain does not include accessing  
3 property for purposes of surveying prior to acquiring the  
4 property, except in accordance with paragraph (2).

5           “(2) If a holder of a certificate of public convenience  
6 and necessity is unable to agree with the owner of property  
7 on access to the property for purposes of surveying, the  
8 holder shall enter into the dispute resolution process of  
9 the Commission. If dispute resolution fails, or if the prop-  
10 erty owner refuses to participate in such process, the Com-  
11 mission may, upon a showing by the holder of documented  
12 repeated, good faith efforts to work with the property  
13 owner to agree on such access, issue an order declaring  
14 that, upon a court order, for purposes of the relevant cer-  
15 tificate and with respect to the relevant property, the exer-  
16 cise of the right of eminent domain under subsection (h)  
17 includes accessing the property, in a limited, non-land-dis-  
18 turbing manner, for purposes of surveying prior to acquir-  
19 ing the property.”.

At the end of title IV, add the following subtitle:

1           **Subtitle C—Defending Against**  
2                           **Rosatom Exports**

3   **SEC. 4301. EXTENSION AND EXPANSION OF LIMITATIONS**  
4                           **ON IMPORTATION OF URANIUM FROM RUS-**  
5                           **SIAN FEDERATION.**

6           (a) IN GENERAL.—Section 3112A of the USEC Pri-  
7   vatization Act (42 U.S.C. 2297h–10a) is amended—

8                   (1) in subsection (a)—

9                           (A) by redesignating paragraph (7) as  
10                           paragraph (8); and

11                           (B) by inserting after paragraph (6) the  
12                           following:

13                           “(7) SUSPENSION AGREEMENT.—The term  
14                           ‘Suspension Agreement’ has the meaning given that  
15                           term in section 3102(13).”;

16                   (2) in subsection (b)—

17                           (A) by striking “United States to support”  
18                           and inserting the following: “United States—

19                           “(1) to support”;

20                           (B) by striking the period at the end and  
21                           inserting a semicolon; and

22                           (C) by adding at the end the following:

23                           “(2) to reduce reliance on uranium imports in  
24                           order to protect essential national security interests  
25                           of the United States;



1           “(3) to revive and strengthen the supply chain  
2           for nuclear fuel produced and used in the United  
3           States; and

4           “(4) to expand production of nuclear fuel in the  
5           United States.”; and

6           (3) in subsection (c)—

7                 (A) in paragraph (2)—

8                     (i) in subparagraph (A)—

9                             (I) by striking “After” and in-  
10                             serting “Except as provided in sub-  
11                             paragraph (B), after”;

12                             (II) in clause (vi), by striking “;  
13                             and” and inserting a semicolon;

14                             (III) in clause (vii), by striking  
15                             the period at the end and inserting a  
16                             semicolon; and

17                             (IV) by adding at the end the fol-  
18                             lowing:

19                             “(viii) in calendar year 2021, 596,682  
20                             kilograms;

21                             “(ix) in calendar year 2022, 489,617  
22                             kilograms;

23                             “(x) in calendar year 2023, 578,877  
24                             kilograms;

1                   “(xi) in calendar year 2024, 476,536  
2 kilograms;  
3                   “(xii) in calendar year 2025, 470,376  
4 kilograms;  
5                   “(xiii) in calendar year 2026, 464,183  
6 kilograms;  
7                   “(xiv) in calendar year 2027, 459,083  
8 kilograms;  
9                   “(xv) in calendar year 2028, 344,312  
10 kilograms;  
11                   “(xvi) in calendar year 2029, 340,114  
12 kilograms;  
13                   “(xvii) in calendar year 2030,  
14 332,141 kilograms;  
15                   “(xviii) in calendar year 2031,  
16 328,862 kilograms;  
17                   “(xix) in calendar year 2032, 322,255  
18 kilograms;  
19                   “(xx) in calendar year 2033, 317,536  
20 kilograms;  
21                   “(xxi) in calendar year 2034, 298,088  
22 kilograms;  
23                   “(xxii) in calendar year 2035,  
24 294,511 kilograms;

1                   “(xxiii) in calendar year 2036,  
2                   286,066 kilograms;

3                   “(xxiv) in calendar year 2037,  
4                   281,272 kilograms;

5                   “(xxv) in calendar year 2038, 277,124  
6                   kilograms;

7                   “(xxvi) in calendar year 2039,  
8                   277,124 kilograms; and

9                   “(xxvii) in calendar year 2040,  
10                  267,685 kilograms.”;

11                  (ii) by redesignating subparagraph  
12                  (B) as subparagraph (C); and

13                  (iii) by inserting after subparagraph  
14                  (A) the following:

15                  “(B) ADMINISTRATION.—

16                         “(i) IN GENERAL.—The Secretary of  
17                         Commerce shall administer the import lim-  
18                         itations described in subparagraph (A) in  
19                         accordance with the provisions of the Sus-  
20                         pension Agreement, including—

21                                 “(I) the limitations on sales of  
22                                 enriched uranium product and separa-  
23                                 tive work units plus conversion;

24                                 “(II) the requirements for nat-  
25                                 ural uranium returned feed associated

1 with sales of enrichment, or enrich-  
2 ment plus conversion from the Rus-  
3 sian Federation; and

4 “(III) any other provisions of the  
5 Suspension Agreement.

6 “(ii) EFFECT OF TERMINATION OF  
7 SUSPENSION AGREEMENT.—Clause (i)  
8 shall remain in effect if the Suspension  
9 Agreement is terminated.”;

10 (B) in paragraph (3)—

11 (i) in subparagraph (A), by striking  
12 the semicolon and inserting “; or”;

13 (ii) in subparagraph (B), by striking  
14 “; or” and inserting a period; and

15 (iii) by striking subparagraph (C);

16 (C) in paragraph (5)—

17 (i) in subparagraph (A)—

18 (I) by striking “reference data”  
19 and all that follows through “2019”  
20 and inserting the following: “Lower  
21 Scenario data in the 2019 report of  
22 the World Nuclear Association enti-  
23 tled ‘The Nuclear Fuel Report: Global  
24 Scenarios for Demand and Supply  
25 Availability 2019–2040’. In each of

1 calendar years 2023, 2029, and  
2 2035”; and

3 (II) by striking “report or a sub-  
4 sequent report” and inserting “re-  
5 port”;

6 (ii) by redesignating subparagraphs  
7 (B) and (C) as subparagraphs (C) and  
8 (D), respectively;

9 (iii) by inserting after subparagraph  
10 (A) the following:

11 “(B) REPORT REQUIRED.—Not later than  
12 one year after the date of the enactment of the  
13 Clean Economy Jobs and Innovation Act, and  
14 every 3 years thereafter, the Secretary shall  
15 submit to Congress a report that includes—

16 “(i) a recommendation on the use of  
17 all publicly available data to ensure accu-  
18 rate forecasting by scenario data to com-  
19 port to actual demand for low-enriched  
20 uranium for nuclear reactors in the United  
21 States; and

22 “(ii) an identification of the steps to  
23 be taken to adjust the import limitations  
24 described in paragraph (2)(A) based on the  
25 most accurate scenario data.”; and

- 1 (iv) in subparagraph (D), as redesignated by clause (ii), by striking “subparagraph (B)” and inserting “subparagraph (C)”;
- 2  
3  
4  
5 (D) in paragraph (9), by striking “2020” and inserting “2040”;
- 6  
7 (E) in paragraph (12)(B), by inserting “or the Suspension Agreement” after “the Russian HEU Agreement”; and
- 8  
9  
10 (F) by striking “(2)(B)” each place it appears and inserting “(2)(C)”.
- 11  
12 (b) APPLICABILITY.—The amendments made by subsection (a) apply with respect to uranium imported from
- 13  
14 the Russian Federation on or after January 1, 2021.

Beginning on page 493, line 18, in the text of the amendment made by section 5341, redesignate sections 1313 through 1320 as sections 1312 through 1319, respectively.

Page 508, line 17, strike “(a) In general.—”.

Page 511, line 2, strike “1314(b)” and insert “1313(b)”.

Page 514, strike lines 20 and 21.

Page 514, line 22, through page 517, line 20, redesignate paragraphs (1) through (4) as subsections (a) through (d), respectively.

Page 517, line 22, strike “1313 through 1320” and insert “1312 through 1318”.

Page 521, after line 10, insert the following:

1       (h) CRITICAL INFRASTRUCTURE DEFINED.—The  
2 term “critical infrastructure” means infrastructure that  
3 the Secretary determines to be vital to socioeconomic ac-  
4 tivities such that, if destroyed or damaged, such destruc-  
5 tion or damage could cause substantial disruption to such  
6 socioeconomic activities.

Page 521, line 14, strike “1312” and insert “1311”.

Page 521, after line 15, redesignate the items relating to sections 1313 through 1320 in the table of contents so as to relate to sections 1312 through 1319, respectively.

Page 562, line 1, strike “is amended” and insert “is further amended”.

Page 571, strike lines 2 through 8 and insert the following:

1 (A) in paragraph (3)(A)(ii), by inserting “,  
2 components for such vehicles, and charging  
3 equipment for such vehicles” after “vehicles”;  
4 and

Page 589, line 1, strike “(ii)” and insert “(iii)”.

Page 593, line 5, strike “**REGISTERED**” and insert  
“**LEGAL FOR OPERATION ON A STREET OR HIGH-  
WAY**”.

Page 593, line 12, strike “registered to be operated”  
and insert “legal for operation”.

Page 593, line 14, strike “2 years” and insert “18  
months”.

Page 595, line 23, strike “(i)(1)(A)” and insert  
“(i)(1)”.

Beginning on page 598, line 15, strike “Technology  
Transfer Coordinator” each place it appears in title VIII  
and insert “Chief Commercialization Officer”.

Page 613, line 6, strike “areas and” and insert  
“areas;”.

Page 613, line 9, strike “; and” and insert a semi-  
colon.



Page 615, line 3, after “Secretary”, insert “, acting through the Chief Commercialization Officer established in section 1001(a) of the Energy Policy Act of 2005 (42 U.S.C. 16391(a)),”.

Page 618, line 15, strike “The Secretary” and insert “In accordance with section 8307(b) of this Act, the Secretary”.

Page 619, line 9, strike “8104” and insert “8105”.

Page 619, line 16, insert “8104,” after “8103,”.

Page 634, line 10, strike “(a)” and insert “(e)”.

Page 643, line 14, strike “program” and insert “activities”.

Page 643, line 19, strike “program” and insert “Office of Technology Transitions”.

Page 644, line 4, strike “this program” and insert “the Office of Technology Transitions”.

Page 648, lines 11 and 12, strike “redesignating subsections (f) and (g) as subsections (g) and (h)” and insert “redesignating subsections (e) and (f) as subsections (g) and (h)”.

Page 700, line 19, strike “and”.

Page 705, line 9, strike “and”.

At the end of title IX, add the following:

1                   **Subtitle E—Title XVII Loan**  
2                   **Program Reform**

3   **SEC. 9501. LOAN PROGRAM OFFICE TITLE XVII REFORM.**

4           (a) TERMS AND CONDITIONS.—Section 1702 of the  
5 Energy Policy Act of 2005 (42 U.S.C. 16512) is amend-  
6 ed—

7                   (1) by amending subsection (b) to read as fol-  
8           lows:

9           “(b) SPECIFIC APPROPRIATION OR CONTRIBU-  
10 TION.—

11                   “(1) IN GENERAL.—Except as provided in para-  
12 graph (2), the cost of a guarantee shall be paid by  
13 the Secretary using an appropriation made for the  
14 cost of the guarantee, subject to the availability of  
15 such an appropriation.

16                   “(2) INSUFFICIENT APPROPRIATIONS.—If suffi-  
17 cient appropriated funds to pay the cost of a guar-  
18 antee are not available, then the guarantee shall not  
19 be made unless—

20                           “(A) the Secretary has received from the  
21 borrower a payment in full for the cost of the  
22 guarantee and deposited the payment into the  
23 Treasury; or

1           “(B) a combination of one or more appro-  
2           priations and one or more payments from the  
3           borrower under this subsection has been made  
4           that is sufficient to cover the cost of the guar-  
5           antee.”;

6           (2) in subsection (h)—

7           (A) by amending paragraph (1) to read as  
8           follows:

9           “(1) IN GENERAL.—The Secretary shall charge,  
10          and collect on or after the date of the financial close  
11          of an obligation, a fee for a guarantee in an amount  
12          that the Secretary determines is sufficient to cover  
13          applicable administrative expenses (including any  
14          costs associated with third-party consultants en-  
15          gaged by the Secretary).”; and

16          (B) by adding at the following:

17          “(3) REDUCTION IN FEE AMOUNT.—Notwith-  
18          standing paragraph (1) and subject to the avail-  
19          ability of appropriations, the Secretary may reduce  
20          the amount of a fee for a guarantee under this sub-  
21          section.”; and

22          (3) by adding at the end the following:

23          “(1) APPLICATION STATUS.—

24          “(1) REQUEST.—If the Secretary does not  
25          make a final decision on an application for a guar-

1       antee under this title by the date that is 180 days  
2       after receipt of the application by the Secretary, the  
3       applicant may request, on or after that date and not  
4       more than once every 60 days thereafter until a final  
5       decision is made, that the Secretary provide to the  
6       applicant a response described in paragraph (2).

7               “(2) RESPONSE.—Not later than 10 days after  
8       receiving a request from an applicant under para-  
9       graph (1), the Secretary shall provide to the appli-  
10      cant a response that includes—

11                   “(A) a description of the current status of  
12      review of the application;

13                   “(B) a summary of any factors that are  
14      delaying a final decision on the application, a  
15      list of what items are required in order to reach  
16      a final decision, citations to authorities stating  
17      the reasons why such items are required, and a  
18      list of actions the applicant can take to expedite  
19      the process; and

20                   “(C) an estimate of when a final decision  
21      on the application will be made.

22               “(m) OUTREACH.—In carrying out this title, the Sec-  
23      retary shall—

24                   “(1) provide assistance with the completion of  
25      applications for a guarantee under this title;

1           “(2) conduct outreach, including through con-  
2           ferences and online programs, to disseminate infor-  
3           mation to potential applicants; and

4           “(3) conduct outreach to encourage participa-  
5           tion of supporting finance institutions and private  
6           lenders in eligible projects.

7           “(n) COORDINATION.—In carrying out this title, to  
8           the extent consistent with applicable law, the Secretary  
9           shall collaborate, coordinate, and share information with  
10          relevant offices within the Department.

11          “(o) REPORT.—Not later than 2 years after the date  
12          of the enactment of this subsection and every 3 years  
13          thereafter, the Secretary shall submit to Congress a report  
14          on the status of projects receiving guarantees under this  
15          title, including—

16                 “(1) a list of such projects, including the guar-  
17                 antee amount, construction status, and financing  
18                 partners of each such project;

19                 “(2) the status of each such project’s loan re-  
20                 payment, including interest paid and future repay-  
21                 ment projections;

22                 “(3) estimate of the greenhouse gas emissions  
23                 avoided from each such project;

1           “(4) data regarding the number of direct and  
2 indirect jobs retained, restored, or created by such  
3 projects;

4           “(5) the number of new projects projected to  
5 receive a guarantee under this title during the next  
6 2 years and the aggregate guarantee amount; and

7           “(6) any other metrics the Secretary finds ap-  
8 propriate.”.

9 (b) STATE LOAN ELIGIBILITY.—

10           (1) DEFINITIONS.—Section 1701 of the Energy  
11 Policy Act of 2005 (42 U.S.C. 16511) is amended  
12 by adding at the end the following:

13           “(6) INDIAN TRIBE, NATIVE CORPORATION,  
14 TRIBAL ENERGY DEVELOPMENT ORGANIZATION.—  
15 The terms ‘Indian tribe’, ‘Native Corporation’, and  
16 ‘tribal energy development organization’ have the  
17 meaning given such terms in section 2601 of the  
18 Energy Policy Act of 1992 (25 U.S.C. 3501).

19           “(7) STATE.—The term ‘State’ has the mean-  
20 ing given the term in section 202 of the Energy  
21 Conservation and Production Act (42 U.S.C. 6802).

22           “(8) STATE ENERGY FINANCING INSTITU-  
23 TION.—

24           “(A) IN GENERAL.—The term ‘State en-  
25 ergy financing institution’ means a quasi-inde-

1           pendent entity or an entity within a State agen-  
2           cy or financing authority established by a State  
3           that may—

4                   “(i) provide financing support or cred-  
5                   it enhancements, including loan guarantees  
6                   and loan loss reserves, for eligible projects;  
7                   and

8                   “(ii) create liquid markets for eligible  
9                   projects, including warehousing and  
10                  securitization, or take other steps to reduce  
11                  financial barriers to the deployment of ex-  
12                  isting and new eligible projects.

13                  “(B) INCLUSION.—The term ‘State energy  
14                  financing institution’ includes an entity or orga-  
15                  nization established to achieve the purposes de-  
16                  scribed in clauses (i) and (ii) of subparagraph  
17                  (A) by an Indian tribe, Native Corporation, or  
18                  tribal energy development organization.”.

19                  (2) TERMS AND CONDITIONS.—Section 1702 of  
20                  the Energy Policy Act of 2005 (42 U.S.C. 16512)  
21                  is further amended—

22                   (A) in subsection (a), by inserting “, in-  
23                   cluding projects receiving financial support or  
24                   credit enhancements from a State energy fi-  
25                   nancing institution,” after “for projects”;

1 (B) in subsection (d)(1), by inserting “, in-  
2 cluding a guarantee for a project receiving fi-  
3 nancial support or credit enhancements from a  
4 State energy financing institution,” after “No  
5 guarantee”; and

6 (C) by adding at the end the following:

7 “(p) STATE ENERGY FINANCING INSTITUTIONS.—

8 “(1) PARTNERSHIPS AUTHORIZED.—State en-  
9 ergy financing institutions providing financial sup-  
10 port or credit enhancements for eligible projects may  
11 enter into partnerships with private entities, Indian  
12 tribes, Native Corporations, and tribal energy devel-  
13 opment organizations.

14 “(2) PROHIBITION ON USE OF APPROPRIATED  
15 FUNDS.—Amounts appropriated to the Department  
16 before the date of enactment of this subsection shall  
17 not be available to be used for the cost of guarantees  
18 made to State energy financing institutions.”.

19 (c) PROJECT ELIGIBILITY EXPANSION.—

20 (1) IN GENERAL.—The Energy Policy Act of  
21 2005 is amended by adding after section 1703 the  
22 following new section:

23 **“SEC. 1703A. OTHER ELIGIBLE PROJECTS.**

24 “(a) IN GENERAL.—The Secretary may make guar-  
25 antees under this section only for projects that—



1           “(1) avoid, reduce, utilize, or sequester air pol-  
2           lutants or anthropogenic emissions of greenhouse  
3           gases; and

4           “(2) employ new or significantly improved tech-  
5           nologies as compared to commercial technologies in  
6           service in the United States at the time the guar-  
7           antee is issued, including projects that employ—

8                   “(A) a system of technologies that combine  
9                   existing technologies in an innovative manner;

10                   “(B) elements of commercial technologies  
11                   in combination with new or significantly im-  
12                   proved technologies; or

13                   “(C) new and innovative technologies de-  
14                   veloped outside the energy sector that enable  
15                   modernization of existing energy infrastructure  
16                   and systems.

17           “(b) CATEGORIES.—Projects from the following cat-  
18           egories shall be eligible for a guarantee under this section:

19                   “(1) Advanced nuclear energy facilities, includ-  
20                   ing manufacturing and deployment of nuclear supply  
21                   components for advanced nuclear reactors.

22                   “(2) Carbon capture, utilization, and sequestra-  
23                   tion practices and technologies, including—

24                           “(A) agricultural and forestry practices  
25                           that store and sequester carbon; and

1           “(B) synthetic technologies to remove car-  
2           bon from the air and oceans.

3           “(3) Energy storage technologies for residen-  
4           tial, industrial, transportation, and power generation  
5           applications.

6           “(4) Technologies and systems for reducing  
7           emissions of greenhouse gases with high global  
8           warming potential, including for reducing methane  
9           leakage from natural gas transmission and distribu-  
10          tion infrastructure.

11          “(5) Application of technologies, including data  
12          analytics, artificial intelligence, and other software  
13          to improve the energy efficiency, operations, and  
14          management of energy infrastructure, including elec-  
15          tric grid operations.

16          “(6) Energy-water use efficiency in water re-  
17          sources infrastructure and water-using technologies.

18          “(7) Technologies for improving the resilience  
19          or reliability of existing energy infrastructure, in-  
20          cluding technologies that incorporate energy storage  
21          and grid modernization initiatives or improve the cy-  
22          bersecurity of energy technologies.

23          “(8) Technologies or processes for reducing  
24          greenhouse gas emissions from industrial applica-  
25          tions, including iron, steel, cement, and ammonia

1 production, hydrogen production, and generation of  
2 high-temperature heat.

3 “(9) Categories of projects and projects de-  
4 scribed in section 1703.

5 “(c) REGIONAL VARIATION.—Notwithstanding sub-  
6 section (a)(2), the Secretary may, to account for regional  
7 variation in deployment of technology, make guarantees  
8 under this section for up to 6 projects that employ the  
9 same or similar technology as another project, provided  
10 no more than 2 projects that use the same or a similar  
11 technology are located in the same region of the United  
12 States.

13 “(d) STATE ENERGY FINANCING INSTITUTIONS.—  
14 Notwithstanding subsection (a), the Secretary may use up  
15 to 25 percent of authority provided for commitments to  
16 guarantee loans under this title for projects—

17 “(1) that are receiving financial support or  
18 credit enhancements from a State energy financing  
19 institution; and

20 “(2) that meet the requirements of paragraph  
21 (1) of subsection (a), but do not meet the require-  
22 ments of paragraph (2) of subsection (a).

23 “(e) EMISSION LEVELS AND TAX CREDITS.—Sub-  
24 sections (d) and (e) of section 1703 shall apply with re-  
25 spect to projects receiving guarantees under this section.”.

1           (2) APPLICABILITY.—Section 1702 of the En-  
2           ergy Policy Act of 2005 (42 U.S.C. 16512) is fur-  
3           ther amended by adding at the end the following:

4           “(q) APPLICABILITY.—The Secretary shall not, for a  
5           period of 10 years after the date of enactment of this sub-  
6           section, enter into a loan guarantee agreement for an eligi-  
7           ble project—

8                     “(1) under section 1703A; or

9                     “(2) that is receiving financial support or credit  
10           enhancements from a State energy financing institu-  
11           tion.”.

12           (3) CONFORMING AMENDMENTS.—

13                     (A) DEFINITION OF ELIGIBLE  
14           PROJECTS.—Section 1701(3) of the Energy  
15           Policy Act of 2005 (42 U.S.C. 16511(3)) is  
16           amended by inserting “or section 1703A” after  
17           “section 1703”.

18                     (B) TABLE OF CONTENTS.—The table of  
19           contents for the Energy Policy Act of 2005 is  
20           amended by inserting after the item relating to  
21           section 1703 the following:

          “Sec. 1703A. Other eligible projects.”.

22   **SEC. 9502. AUTHORIZATION OF APPROPRIATIONS.**

23           Section 1704 of the Energy Policy Act of 2005 (42  
24           U.S.C. 16514) is amended by adding at the end the fol-  
25           lowing:

1       “(c) ADMINISTRATIVE AND OTHER EXPENSES.—  
2 There are authorized to be appropriated—  
3           “(1) \$32,000,000 for each of fiscal years 2021  
4 through 2025 to carry out this title; and  
5           “(2) for fiscal year 2021, in addition to  
6 amounts authorized under paragraph (1),  
7 \$25,000,000, to remain available until expended, for  
8 administrative expenses described in section  
9 1702(h)(1) that are not covered by fees collected  
10 pursuant to section 1702(h).”.

Page 737, strike lines 23 through 25.

Page 750, line 3, strike “Education;” and insert  
“Education.”.

Page 750, line 5, strike “Policy;” and insert “Pol-  
icy.”.

Page 750, line 7, strike “Health;” and insert  
“Health.”.

Page 750, line 9, strike “Service;” and insert “Serv-  
ice.”.

Page 750, line 11, strike “Affairs;” and insert “Af-  
fairs.”.

Page 750, line 13, strike “Council; and” and insert  
“Council.”.

Page 766, line 15, strike “Tribal governments.” and insert “Tribal Governments.”.

Page 766, line 20, strike “Energy and” and insert “Energy,”.

Page 766, line 21, strike “Agency” and insert “Agency, the Department of the Interior, and the National Oceanic and Atmospheric Administration”.

Page 767, line 10, strike “Energy” and insert “Energy,”.

Page 767, line 11, strike “and the Environmental Protection Agency” and insert “the Environmental Protection Agency, the Department of the Interior, and the National Oceanic and Atmospheric Administration”.

Page 768, line 1, strike “(3)” and insert “(2)”.

Page 773, line 12, strike “**SEC. 11007. JUSTICE CLEARINGHOUSE.**” and insert “**SEC. 11007. ENVIRONMENTAL JUSTICE CLEARINGHOUSE.**”.

Page 775, line 7, strike “clearinghouse” and insert “Clearinghouse”.

Page 779, line 21, strike “recommendations” and insert “recommendation”.

Page 780, line 23, strike “Indigenous” and insert “indigenous”.

Page 809, line 7, strike “a covered agency” and insert “an entity subject to this title (referred to in this title as a ‘covered entity’)”.

Page 809, line 11, strike “agency” and insert “entity”.

Page 809, line 20, strike “agency” and insert “entity”.

Page 810, line 1, strike “agency” and insert “entity”.

Page 810, line 4, strike “agency” and insert “entity”.

Page 810, line 5, strike “agency’s” and insert “entity’s”.

Page 811, line 25, strike “agency” and insert “entity”.

Page 812, line 12, strike “agency” and insert “entity”.

Add at the end of title XI the following:

1 **SEC. 11017. PUBLIC HEALTH RISKS ASSOCIATED WITH CU-**  
2 **MULATIVE ENVIRONMENTAL STRESSORS.**

3 (a) PROPOSED PROTOCOL.—Not later than 180 days  
4 after the date of enactment of this section, the Adminis-  
5 trator, in consultation with the Advisory Council, shall  
6 publish a proposal for a protocol for assessing and ad-  
7 dressing the cumulative public health risks associated with  
8 multiple environmental stressors. The Administrator shall  
9 allow 90 days for public comment on such proposal. The  
10 environmental stressors addressed under such proposal  
11 shall include—

12 (1) impacts associated with global climate  
13 change, including extreme heat, extremes in tem-  
14 perature change, drought, wildfires, sea level rise,  
15 flooding, storms, water shortage, food shortage, eco-  
16 system disruption, and the spread of infectious dis-  
17 ease;

18 (2) exposure to pollutants, emissions, dis-  
19 charges, waste, chemicals, or other materials subject  
20 to regulation under the Clean Air Act, the Federal  
21 Water Pollution Control Act, the Safe Drinking  
22 Water Act, the Toxic Substances Control Act, the  
23 Solid Waste Disposal Act, the Comprehensive Envi-  
24 ronmental Response, Compensation, and Liability  
25 Act of 1980, the Emergency Planning and Commu-



1 nity Right-to-Know Act of 1986, and other laws ad-  
2 ministered by the Administrator; and

3 (3) other environmental stressors determined by  
4 the Administrator to impact public health.

5 (b) FINAL PROTOCOL.—Not later than 1 year after  
6 the enactment of this section, the Administrator shall pub-  
7 lish the final protocol for assessing and addressing the cu-  
8 mulative public health risks associated with multiple envi-  
9 ronmental stressors.

10 (c) IMPLEMENTATION.—Not later than 3 years after  
11 the enactment of this section, the Administrator shall im-  
12 plement the protocol described under subsection (b).

Page 813, line 20, strike “establish and carry out”  
and insert “support the establishment and execution of”.

Page 814, strike line 10 and all that follows through  
page 830, line 5, and insert the following:

13 **SECTION 12111. ENERGY WORKFORCE DEVELOPMENT.**

14 (a) IN GENERAL.—Subject to the availability of ap-  
15 propriations for such purpose, the Secretary of Labor and  
16 the Secretary of Energy, acting through the Director of  
17 the Office of Economic Impact, Diversity, and Employ-  
18 ment, shall jointly establish and carry out a comprehen-  
19 sive, nationwide program to improve education and train-  
20 ing for jobs in energy-related industries, including manu-

1 facturing, engineering, construction, and retrofitting jobs  
2 in such energy-related industries in order to the increase  
3 number of skilled workers trained to work in such energy-  
4 related industries, including by—

5           (1) encouraging underrepresented groups, in-  
6           cluding religious and ethnic minorities, women, vet-  
7           erans, individuals with disabilities, unemployed en-  
8           ergy workers, and socioeconomically disadvantaged  
9           individuals to enter into the science, technology, en-  
10          gineering, and mathematics (in this section referred  
11          to as “STEM”) fields;

12          (2) encouraging the Nation’s educational insti-  
13          tutions to equip students with the skills,  
14          mentorships, training, and technical expertise nec-  
15          essary to fill the employment opportunities vital to  
16          managing and operating the Nation’s energy-related  
17          industries;

18          (3) providing students and other candidates for  
19          employment with the necessary skills and certifi-  
20          cations for skilled jobs in such energy-related indus-  
21          tries; and

22          (4) strengthening and more fully engaging De-  
23          partment of Energy programs and laboratories in  
24          carrying out the Department’s Minorities in Energy  
25          Initiative.

1 (b) DIRECT ASSISTANCE.—

2 (1) IN GENERAL.—In carrying out the program  
3 established under subsection (a), the Secretaries  
4 may provide financial assistance awards, technical  
5 assistance, and other assistance the Secretaries de-  
6 termine appropriate, to educational institutions and  
7 training programs and providers, including those  
8 serving unemployed and underemployed energy  
9 workers.

10 (2) DISTRIBUTION.—The Secretaries shall dis-  
11 tribute assistance described in paragraph (1) in a  
12 manner proportional to the needs of energy-related  
13 industries and demand for jobs in energy-related in-  
14 dustries, consistent with information developed  
15 under subsection (e), and to the extent practicable,  
16 ensure a geographically diverse distribution, includ-  
17 ing a geographically diverse distribution among re-  
18 gions of the country and among urban, suburban,  
19 and rural areas.

20 (c) PRIORITY.—In carrying out the program estab-  
21 lished under subsection (a) the Secretaries shall prioritize  
22 the education and training of individuals from underrep-  
23 resented populations for jobs in energy-related industries.

1 (d) COLLABORATION AND OUTREACH.—In carrying  
2 out the program established under subsection (a), the Sec-  
3 retaries shall—

4 (1) collaborate with—

5 (A) to the maximum extent possible, State  
6 or local workforce development boards and  
7 State workforce agencies, to maximize program  
8 efficiency;

9 (B) educational institutions and training  
10 programs and providers; and

11 (C) employers and labor organizations in  
12 energy-related industries providing opportuni-  
13 ties to participate in internships, fellowships,  
14 traineeships, and apprenticeships to students,  
15 including students of minority-serving institu-  
16 tions and unemployed or underemployed energy  
17 workers, and other candidates, such as under-  
18 represented populations; and

19 (2) conduct outreach activities to—

20 (A) encourage individuals from underrep-  
21 resented populations and unemployed or under-  
22 employed energy workers to enter into the  
23 STEM fields; and

24 (B) encourage and foster collaboration,  
25 mentorships, and partnerships among energy-

1 related industries, and training programs and  
2 providers, that provide effective training pro-  
3 grams for jobs in energy-related industries and  
4 educational institutions that seek to establish  
5 these types of programs in order to share best  
6 practices and approaches that best suit local,  
7 State, and national needs.

8 (e) CLEARINGHOUSE.—

9 (1) ESTABLISHMENT.—In carrying out the pro-  
10 gram established under subsection (a), the Secretary  
11 of Labor, in collaboration with Secretary of Energy,  
12 the Secretary of Education, the Secretary of Com-  
13 merce, and the Director of the Bureau of the Cen-  
14 sus, and energy-related industries, shall establish a  
15 clearinghouse on a publicly accessible website to—

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

19 (i) training programs for jobs in en-  
20 ergy-related industries; and

21 (ii) the current and future workforce  
22 needs of energy-related industries, and job  
23 opportunities in such energy-related indus-  
24 tries, including identification of jobs in en-

1           energy-related industries for which there is  
2           the greatest demand; and

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

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

12           (A) a report providing comprehensive and  
13           detailed description of the workforce needs of  
14           such energy-related industries, and job opportu-  
15           nities in such energy-related industries, by  
16           State and by region; and

17           (B) publish an annual report on job cre-  
18           ation in the energy-related industries described  
19           in subsection (f)(1).

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

22           (1) IN GENERAL.—In carrying out the program  
23           established under subsection (a), the Secretaries, in  
24           collaboration with the Secretary of Education, the  
25           Secretary of Commerce, and the National Science

1 Foundation, shall develop voluntary guidelines or  
2 best practices for educational institutions to help  
3 provide students with the skills necessary for jobs in  
4 energy-related industries, including jobs in—

5 (A) the energy efficiency industry, includ-  
6 ing jobs in energy efficiency (including architec-  
7 ture, design, and construction of new energy ef-  
8 ficient buildings), conservation, weatherization,  
9 retrofitting, inspecting, auditing, and software  
10 development;

11 (B) the renewable energy industry, includ-  
12 ing jobs in the development, engineering, manu-  
13 facturing, and production of energy from re-  
14 newable energy sources (such as solar, hydro-  
15 power, wind, and geothermal energy);

16 (C) the community energy resiliency indus-  
17 try, including jobs in the installation of rooftop  
18 solar, in battery storage, and in microgrid tech-  
19 nologies;

20 (D) the fuel cell and hydrogen energy in-  
21 dustry;

22 (E) the advanced automotive technology  
23 industry, including jobs relating to electric vehi-  
24 cle batteries, connectivity and automation, and  
25 advanced combustion engines;

1 (F) the manufacturing industry, including  
2 jobs as operations technicians, in operations  
3 and design in additive manufacturing, 3-D  
4 printing, and advanced composites and ad-  
5 vanced aluminum and other metal alloys, and in  
6 industrial energy efficiency management sys-  
7 tems, including power electronics, and other in-  
8 novative technologies;

9 (G) the chemical manufacturing industry,  
10 including jobs in construction (such as welders,  
11 pipefitters, and tool and die makers), as instru-  
12 ment and electrical technicians, machinists,  
13 chemical process operators, engineers, quality  
14 and safety professionals, and reliability engi-  
15 neers;

16 (H) the utility industry, including jobs in  
17 smart grid technology, cybersecurity manage-  
18 ment, and the generation, transmission, and  
19 distribution of electricity and natural gas, such  
20 as electricians and utility dispatchers, techni-  
21 cians, operators, lineworkers, engineers, sci-  
22 entists, and information technology specialists;

23 (I) the alternative fuels industry, including  
24 jobs in biofuel and bioproducts development and  
25 production;



1 (J) the pipeline industry, including jobs in  
2 pipeline construction and maintenance and jobs  
3 as engineers and technical advisors;

4 (K) the nuclear energy industry, including  
5 jobs as scientists, engineers, technicians, mathe-  
6 maticians, and security personnel;

7 (L) the oil and gas industry, including jobs  
8 as scientists, engineers, technicians, mathemati-  
9 cians, petrochemical engineers, and geologists;  
10 and

11 (M) the coal industry, including jobs as  
12 coal miners, engineers, developers and manufac-  
13 turers of state-of-the-art coal facilities, tech-  
14 nology vendors, coal transportation workers and  
15 operators, and mining equipment vendors.

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

1           (3) STEM EDUCATION.—The guidelines or best  
2 practices developed under paragraph (1) shall pro-  
3 mote STEM education and energy related programs  
4 of study in educational institutions as it relates to  
5 job opportunities in energy-related industries listed  
6 under such paragraph.

7           (g) OUTREACH TO MINORITY SERVING INSTITU-  
8 TIONS.—In carrying out the program established under  
9 subsection (a), the Secretaries shall—

10           (1) give special consideration to increasing out-  
11 reach to minority-serving institutions;

12           (2) make resources available to minority-serving  
13 institutions with the objective of increasing the num-  
14 ber of skilled minorities and women trained for jobs  
15 in energy-related industries, including manufac-  
16 turing, engineering, construction, and retrofitting  
17 jobs in such energy-related industries;

18           (3) encourage energy-related industries to im-  
19 prove the opportunities for students of minority-  
20 serving institutions to participate in industry intern-  
21 ships, apprenticeships, and cooperative work-study  
22 programs; and

23           (4) partner with the Department of Energy lab-  
24 oratories to increase underrepresented groups' par-  
25 ticipation in internships, fellowships, traineeships,

1 and employment at all Department of Energy lab-  
2 oratories.

3 (h) OUTREACH TO DISPLACED, UNEMPLOYED AND  
4 UNDEREMPLOYED ENERGYWORKERS.—In carrying out  
5 the program established under subsection (a), the Secre-  
6 taries shall—

7 (1) give special consideration to increasing out-  
8 reach to employers and job trainers preparing dis-  
9 placed, unemployed, and underemployed energy  
10 workers for emerging jobs in energy-related indus-  
11 tries, including manufacturing, engineering, con-  
12 struction, and retrofitting jobs in such energy-re-  
13 lated industries;

14 (2) make resources available to institutions  
15 serving displaced and unemployed energy workers  
16 with the objective of increasing the number of indi-  
17 viduals trained for jobs in energy-related industries,  
18 including manufacturing, engineering, construction,  
19 and retrofitting jobs in such energy-related indus-  
20 tries; and

21 (3) encourage energy-related industries to im-  
22 prove opportunities for displaced and unemployed  
23 energy workers to participate in industry intern-  
24 ships, apprenticeships, and work-study programs.

1 (i) AUTHORIZATION OF APPROPRIATIONS.—There is  
2 authorized to be appropriated to carry out this section  
3 \$15,000,000 for each of fiscal years 2021 through 2025.

4 **SEC. 12112. ENERGY WORKFORCE GRANT PROGRAM.**

5 (a) PROGRAM.—

6 (1) ESTABLISHMENT.—Subject to the avail-  
7 ability of appropriations for such purpose, the Sec-  
8 retary of Labor and the Secretary of Energy, acting  
9 through the Director of the Office of Economic Im-  
10 pact, Diversity, and Employment, shall jointly estab-  
11 lish and carry out a program to provide grants to  
12 eligible entities to pay the eligible wages of, or eligi-  
13 ble stipends for, individuals during the time period  
14 that such individuals are receiving training to work  
15 in the renewable energy sector, energy efficiency sec-  
16 tor, or grid modernization sector.

17 (2) GUIDELINES.—Not later than 60 days after  
18 the date of enactment of this Act, the Secretaries,  
19 in consultation with stakeholders, contractors, and  
20 organizations that work to advance existing residen-  
21 tial energy efficiency, shall establish guidelines to  
22 identify training that is eligible for purposes of the  
23 program established pursuant to paragraph (1).

24 (b) ELIGIBILITY.—

1           (1) IN GENERAL.—To be eligible to receive a  
2           grant under the program established under sub-  
3           section (a), an eligible entity shall be directly in-  
4           volved with energy efficiency or renewable energy  
5           technology and provide services related to—

6                   (A) renewable electric energy generation,  
7                   including solar, wind, geothermal, hydropower,  
8                   and other renewable electric energy generation  
9                   technologies;

10                   (B) energy efficiency, including energy-effi-  
11                   cient lighting, heating, ventilation, and air con-  
12                   ditioning, air source heat pumps, advanced  
13                   building materials, insulation and air sealing,  
14                   and other high-efficiency products and services,  
15                   including auditing and inspection, architecture,  
16                   design, and construction of new energy efficient  
17                   buildings and building energy retrofits;

18                   (C) grid modernization or energy storage,  
19                   including smart grid, microgrid and other dis-  
20                   tributed energy solutions, demand response  
21                   management, and home energy management  
22                   technology; or

23                   (D) fuel cell and hybrid fuel cell genera-  
24                   tion.

1           (2) DEFINITIONS.—In this subsection, the fol-  
2           lowing terms apply:

3           (A) ELIGIBLE ENTITY.—The term “eligible  
4           entity” means—

5                   (i) an employer in an industry de-  
6                   scribed in paragraph (1); or

7                   (ii) a labor organization, a joint-labor  
8                   management organization, a State or local  
9                   workforce board, or a training program or  
10                  provider that provides training to individ-  
11                  uals to work for an employer described in  
12                  clause (i), or works on behalf of any such  
13                  employers.

14           (B) ELIGIBLE STIPEND.—The term “eligi-  
15           ble stipend” means a stipend that meets the  
16           criteria identified pursuant to the guidelines es-  
17           tablished under subsection (a)(2).

18           (C) ELIGIBLE WAGES.—The term “eligible  
19           wages” means wages that meet the criteria  
20           identified pursuant to the guidelines established  
21           under subsection (a)(2).

22           (c) USE OF GRANTS.—

23           (1) ELIGIBLE WAGES.—An eligible entity  
24           with—

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

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

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

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

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

20 (ii) 75 percent of an employee’s eligi-  
21 ble wages for the duration of the applicable  
22 training for such employee, if the training  
23 is provided by an entity other than the eli-  
24 gible entity; and

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

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

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

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

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

22 (1) recruits or trains individuals who are—

23 (A) from the community that the eligible  
24 entity serves; and



1 (B)(i) from underrepresented populations;

2 or

3 (ii) unemployed or underemployed energy

4 workers; and

5 (2) will provide individuals receiving training

6 with the opportunity to obtain or retain employment

7 at an eligible entities.

8 (e) LIMIT.—An eligible entity may not receive more

9 than \$100,000 under the program established under sub-

10 section (a) per fiscal year.

11 (f) REPORT.—The Secretaries shall submit to Con-

12 gress, annually for each year the program established

13 under subsection (a) is carried out, a report on such pro-

14 gram, including—

15 (1) an assessment of such program for the pre-

16 vious year, including the number of jobs filled by in-

17 dividuals trained pursuant to such program; and

18 (2) recommendations on how to improve such

19 program.

20 (g) AUTHORIZATION OF APPROPRIATIONS.—There is

21 authorized to be appropriated to carry out this section

22 \$50,000,000 for each of fiscal years 2021 through 2025.

23 **SEC. 12113. DEFINITIONS.**

24 In this part:

1           (1) CAREER AND TECHNICAL EDUCATION.—The  
2 term “career and technical education” has the  
3 meaning given such term in section 3 or the Carl D.  
4 Perkins Career and Technical Education Act of  
5 2006 (20 U.S.C. 2302).

6           (2) COMMUNITY-BASED ORGANIZATION.—The  
7 term “community-based organization” has the  
8 meaning given such term in section 3 of the Work-  
9 force Innovation and Opportunity Act (29 U.S.C.  
10 3102).

11          (3) TRAINING PROGRAMS AND PROVIDERS.—  
12 The term “training programs and providers” means  
13 State or local workforce development boards, com-  
14 munity-based organizations, qualified youth or con-  
15 servation corps, Job Corps authorized under subtitle  
16 C of title I the Workforce Innovation and Oppor-  
17 tunity Act (29 U.S.C. 3101 et seq.), labor organiza-  
18 tions, joint-labor management organizations, pre-ap-  
19 prenticeship programs, and apprenticeship pro-  
20 grams.

21          (4) EDUCATIONAL INSTITUTION.—The term  
22 “educational institution” means an elementary  
23 school, secondary school, or institution of higher  
24 education, including educational institutions pro-

1       viding career and technical education programs and  
2       programs of study.

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

8           (6) ENERGY-RELATED INDUSTRY.—The term  
9       “energy-related industry” includes the energy effi-  
10      ciency industry, renewable energy industry, commu-  
11      nity energy resiliency industry, fuel cell and hydro-  
12      gen energy industry, advanced automotive tech-  
13      nology industry, chemical manufacturing industry,  
14      electric utility industry, gas utility industry, alter-  
15      native fuels industry, pipeline industry, nuclear en-  
16      ergy industry, oil and gas industry, and coal indus-  
17      try.

18          (7) INSTITUTION OF HIGHER EDUCATION.—The  
19      term “institution of higher education” has the  
20      meaning given such term in section 102 of the High-  
21      er Education Act of 1965 (20 U.S.C. 1002), except  
22      that such term does not include institutions de-  
23      scribed in subparagraph (A) or (C) of subsection  
24      (a)(1) of such section 102.

1           (8) JOBS IN ENERGY-RELATED INDUSTRIES.—  
2           The term “jobs in energy-related industries” in-  
3           cludes manufacturing, engineering, construction, and  
4           retrofitting jobs in energy-related industries.

5           (9) LABOR ORGANIZATION.—The term “labor  
6           organization” has the meaning given such term in  
7           section 2 of the National Labor Relations Act (29  
8           U.S.C. 152).

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

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

16                 (B) A Tribal College or University (as de-  
17                 fined in section 316(b) of the Higher Education  
18                 Act of 1965 (20 U.S.C. 1059c(b))).

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

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

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

4 (F) A Native American-serving nontribal  
5 institution (as defined in section 319(b) of the  
6 Higher Education Act of 1965 (20 U.S.C.  
7 1059f(b))).

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

12 (H) A historically Black college or univer-  
13 sity (having the meaning given the term “part  
14 B institution” in section 322 of the Higher  
15 Education Act of 1965 (20 U.S.C. 1061)).

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

21 (12) SECRETARIES.—The term “Secretaries”  
22 means the Secretary of Labor and the Secretary of  
23 Energy.

24 (13) STATE OR LOCAL WORKFORCE DEVELOP-  
25 MENT BOARD.—The term “State or workforce devel-

1       opment board” or “local workforce development  
2       board” have the meanings given the terms “State  
3       board” and “local board”, respectively, in section 3  
4       of the Workforce Innovation and Opportunity Act  
5       (29 U.S.C. 3102).

6               (14) STATE WORKFORCE AGENCY.—The term  
7       “State workforce agency” means the State agency  
8       with responsibility for workforce investment activi-  
9       ties under chapters 2 and 3 of subtitle B of title I  
10       of the Workforce Innovation and Opportunity Act  
11       (29 U.S.C. 3121 et seq., 3131 et seq.).

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

14              (16) UNDERREPRESENTED POPULATIONS.—  
15       The term “underrepresented populations” means a  
16       group of individuals (such as a group of individuals  
17       from the same gender or race), the members of  
18       which comprise fewer than 25 percent of the individ-  
19       uals employed in occupations in energy-related in-  
20       dustries.

Page 832, after line 4, insert the following:

21   **SEC. 12203. APPRENTICESHIPS.**

22              (a) IN GENERAL.—Any funds made available under  
23       this Act to fund an apprenticeship or pre-apprenticeship  
24       program shall only be used for, or provided to, apprentice-

1 ship and pre-apprenticeship programs as defined this sec-  
2 tion, including any funds awarded for the purposes of  
3 grants, contracts, or cooperative agreements, or the devel-  
4 opment, implementation, or administration of a program  
5 funded in whole or part by federal funds under this Act.

6 (b) APPRENTICESHIP DEFINED.—In this Act, the  
7 term “apprenticeship” means an apprenticeship—

8 (1) registered under the Act of August 16,  
9 1937 (commonly known as the “National Appren-  
10 ticeship Act”; 50 Stat. 664, chapter 663; 29 U.S.C.  
11 50 et seq.); and

12 (2) that complies with the requirements of sub-  
13 part A of part 29 of title 29, Code of Federal Regu-  
14 lations, and part 30 of such title (as in effect on  
15 September 18, 2020).

16 (c) PRE-APPRENTICESHIP DEFINED.—In this Act,  
17 the term “pre-apprenticeship” or “pre-apprenticeship pro-  
18 gram” means a training model or program that—

19 (1) is designed to prepare participants to enter  
20 an apprenticeship program;

21 (2) is carried out by a sponsor that has a writ-  
22 ten agreement with 1 or more sponsors of appren-  
23 ticeship programs; and

24 (3) includes each of the following:

1 (A) Training (including a curriculum for  
2 the training) aligned with industry standards  
3 related to an apprenticeship program and re-  
4 viewed and approved annually by sponsors of  
5 the apprenticeship program that are parties to  
6 the written agreement, and that will prepare  
7 participants by teaching the skills and com-  
8 petencies needed to enter 1 or more apprentice-  
9 ship programs.

10 (B) Hands-on training and theoretical edu-  
11 cation for participants that does not displace a  
12 paid employee.

13 (C) A formal agreement with a sponsor of  
14 an apprenticeship program that would enable  
15 participants who successfully complete the pre-  
16 apprenticeship program—

17 (i) to enter into the apprenticeship  
18 program if a place in the program is avail-  
19 able and if the participant meets the quali-  
20 fications of the apprenticeship program;  
21 and

22 (ii) to earn credits towards the ap-  
23 prenticeship program.

Beginning on page 841, line 23, strike paragraph  
(1), and redesignate subsequent paragraphs accordingly.



Page 894, line 13, strike “Senate” and insert  
“House”.

