of such vehicle (as described in subsection (e)(2)(A)) were manufactured or assembled by a foreign entity of concern (as so defined).''.

SA 5276. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

On page 390, strike lines 1 through 18 and insert the following:

''(7) EXCLUDED ENTITIES.—

''(A) IN GENERAL.—For purposes of this section, the term 'new clean vehicle' shall not include—

''(i) any vehicle with respect to which any of the applicable critical minerals contained in the battery of such vehicle (as described in subsection (e)(1)(A)) were extracted, processed, or recycled by a foreign entity of concern (as defined in section 40207(a)(5) of the Infrastructure Investment and Jobs Act (42 U.S.C. 18741(a)(5))), or

''(ii) any vehicle with respect to which any of the components contained in the battery of such vehicle (as described in subsection (e)(2)(A)) were manufactured or assembled by a foreign entity of concern (as so defined).

''(B) REGULATIONS AND GUIDANCE.—With respect to the requirements established under subparagraph (A), the Secretary may not issue any regulations or other guidance which provides for exemptions from such requirements or otherwise weakens the implementation or enforcement of such requirements, including any exclusion of entities owned by, controlled by, or subject to the jurisdiction or direction of the Government of the People's Republic of China as foreign entities of concern (as so defined).''.

SA 5277. Mr. KENNEDY submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ___. REQUIREMENT TO FINALIZE RULE RELATING TO CONTRACTOR AND GRANTEE COMPLIANCE WITH TAX LAWS.

Not later than 90 days after the date of the enactment of this Act, the Director of the Office of Management and Budget shall finalize the rule to implement the requirement under section 520 of division B of the Consolidated Appropriations Act, 2022 (Public Law 117–103; 136 Stat. 148).

SA 5278. Mr. KENNEDY submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. _____. RULES FOR INCREASED PREMIUM TAX CREDIT.

(a) IN GENERAL.—Section 36B(b)(3)(A) of the Internal Revenue Code of 1986 is amended by adding at the end the following new clause:

''(iv) SPECIAL RULES.—In the case of a taxable year to which clause (iii) applies, the Secretary may require an applicable taxpayer to provide any additional proof of income as the Secretary deems necessary to avoid fraud and abuse of this section.''.

(b) EFFECTIVE DATE.—The amendments made by this section shall apply to taxable years beginning after December 31, 2022.

SA 5279. Mr. WICKER submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

Strike section 40001 and insert the following:

SEC. 40001. INVESTING IN COASTAL COMMUNITIES AND CLIMATE RESILIENCE.

(a) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $2,100,000,000, to remain available until September 30, 2026, to provide funding through direct expenditure, contracts, grants, cooperative agreements, or technical assistance to coastal states (as defined in paragraph (4) of section 304 of the Coastal Zone Management Act of 1972 (16 U.S.C. 1453(4))), the District of Columbia, Tribal Governments, nonprofit organizations, local governments, and institutions of higher education (as defined in subsection (a) of section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001(a))), for the conservation, restoration, and protection of coastal and marine habitats, resources, Pacific salmon, and other marine fisheries, to enable coastal communities to prepare for extreme storms and other changing climate conditions, and for projects that support natural resources that sustain coastal and marine resource dependent communities, marine fishery and marine mammal stock assessments, and for related administrative expenses.

(b) TRIBAL GOVERNMENT DEFINED.—In this section, the term ''Tribal Government'' means the recognized governing body of any Indian or Alaska Native tribe, band, nation, pueblo, village, community, component band, or component reservation, individually identified (including parenthetically) in the list published most recently as of the date of enactment of this subsection pursuant to section 104 of the Federally Recognized Indian Tribe List Act of 1994 (25 U.S.C. 5131).

(c) IMPROVING COAST GUARD HOUSING, MEDICAL, AND CHILD CARE FACILITIES.—In addition to amounts otherwise available, there is appropriated to the Coast Guard for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $500,000,000, to remain available until September 30, 2026, for the improvement of Coast Guard operations through the procurement, construction, improvement, or repair of Coast Guard housing, medical facilities, and child care facilities, including procurement, construction, improvement, or repair to improve the resilience of such facilities with respect to extreme storms and other changing climate conditions.

SA 5280. Mr. WICKER (for himself and Mrs. FISCHER) submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

Strike sections 40001 through 40007 and insert the following:

SEC. 40001. FUNDING TO CARRY OUT SECURE AND TRUSTED COMMUNICATIONS NETWORKS ACT OF 2019.

In addition to amounts otherwise available, there is appropriated to the Federal Communications Commission, out of any money in the Treasury not otherwise appropriated, $3,080,000,000 for fiscal year 2022, to remain available until expended, to carry out the Secure and Trusted Communications Networks Act of 2019 (47 U.S.C. 1601 et seq.).

SA 5281. Mr. SANDERS (for himself and Mr. MERKLEY) proposed an amendment to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S; as follows:

Strike sections 13104 through 50265 and insert the following:

SEC. 13104. ZERO-EMISSION NUCLEAR POWER PRODUCTION CREDIT.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1 is amended by adding at the end the following new section:

''SEC. 45U. ZERO-EMISSION NUCLEAR POWER PRODUCTION CREDIT.

''(a) AMOUNT OF CREDIT.—For purposes of section 38, the zero-emission nuclear power production credit for any taxable year is an amount equal to the amount by which—

''(1) the product of—

''(A) 0.3 cents, multiplied by

''(B) the kilowatt hours of electricity—

''(i) produced by the taxpayer at a qualified nuclear power facility, and

''(ii) sold by the taxpayer to an unrelated person during the taxable year, exceeds

''(2) the reduction amount for such taxable year.

''(b) DEFINITIONS.—

''(1) QUALIFIED NUCLEAR POWER FACILITY.—For purposes of this section, the term 'qualified nuclear power facility' means any nuclear facility—

''(A) which is owned by the taxpayer and which uses nuclear energy to produce electricity,

''(B) which is not an advanced nuclear power facility as defined in subsection (d)(1) of section 45J, and

''(C) which is placed in service before the date of the enactment of this section.

''(2) REDUCTION AMOUNT.—

''(A) IN GENERAL.—For purposes of this section, the term 'reduction amount' means, with respect to any qualified nuclear power facility for any taxable year, the amount equal to the lesser of—

''(i) the amount determined under subsection (a)(1), or

''(ii) the amount equal to 16 percent of the excess of—

''(I) subject to subparagraph (B), the gross receipts from any electricity produced by such facility (including any electricity services or products provided in conjunction with the electricity produced by such facility) and sold to an unrelated person during such taxable year, over

''(II) the amount equal to the product of—

''(aa) 2.5 cents, multiplied by

''(bb) the amount determined under subsection (a)(1)(B).

''(B) TREATMENT OF CERTAIN RECEIPTS.—

''(i) IN GENERAL.—Subject to clause (iii), the amount determined under subparagraph (A)(ii)(I) shall include any amount received by the taxpayer during the taxable year with respect to the qualified nuclear power facility from a zero-emission credit program. For purposes of determining the amount received during such taxable year, the taxpayer shall take into account any reductions required under such program.

''(ii) ZERO-EMISSION CREDIT PROGRAM.—For purposes of this subparagraph, the term 'zero-emission credit program' means any payments with respect to a qualified nuclear power facility as a result of any Federal, State or local government program for, in

whole or in part, the zero-emission, zero-carbon, or air quality attributes of any portion of the electricity produced by such facility.

''(iii) EXCLUSION.—For purposes of clause (i), any amount received by the taxpayer from a zero-emission credit program shall be excluded from the amount determined under subparagraph (A)(ii)(I) if the full amount of the credit calculated pursuant to subsection (a) (determined without regard to this subparagraph) is used to reduce payments from such zero-emission credit program.

''(3) ELECTRICITY.—For purposes of this section, the term 'electricity' means the energy produced by a qualified nuclear power facility from the conversion of nuclear fuel into electric power.

''(c) OTHER RULES.—

''(1) INFLATION ADJUSTMENT.—The 0.3 cent amount in subsection (a)(1)(A) and the 2.5 cent amount in subsection (b)(2)(A)(ii)(II)(aa) shall each be adjusted by multiplying such amount by the inflation adjustment factor (as determined under section 45(e)(2), as applied by substituting 'calendar year 2023' for 'calendar year 1992' in subparagraph (B) thereof) for the calendar year in which the sale occurs. If the 0.3 cent amount as increased under this paragraph is not a multiple of 0.05 cent, such amount shall be rounded to the nearest multiple of 0.05 cent. If the 2.5 cent amount as increased under this paragraph is not a multiple of 0.1 cent, such amount shall be rounded to the nearest multiple of 0.1 cent.

''(2) SPECIAL RULES.—Rules similar to the rules of paragraphs (1), (3), (4), and (5) of section 45(e) shall apply for purposes of this section.

''(d) WAGE REQUIREMENTS.—

''(1) INCREASED CREDIT AMOUNT FOR QUALIFIED NUCLEAR POWER FACILITIES.—In the case of any qualified nuclear power facility which satisfies the requirements of paragraph (2)(A), the amount of the credit determined under subsection (a) shall be equal to such amount (as determined without regard to this sentence) multiplied by 5.

''(2) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to any qualified nuclear power facility are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in the alteration or repair of such facility shall be paid wages at rates not less than the prevailing rates for alteration or repair of a similar character in the locality in which such facility is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(3) REGULATIONS AND GUIDANCE.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.

''(e) TERMINATION.—This section shall not apply to taxable years beginning after December 31, 2032.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 38(b) is amended—

(A) in paragraph (32), by striking ''plus'' at the end,

(B) in paragraph (33), by striking the period at the end and inserting '', plus'', and

(C) by adding at the end the following new paragraph:

''(34) the zero-emission nuclear power production credit determined under section 45U(a).''.

(2) The table of sections for subpart D of part IV of subchapter A of chapter 1 is amended by adding at the end the following new item:

''Sec. 45U. Zero-emission nuclear power production credit.''.

(c) EFFECTIVE DATE.—This section shall apply to electricity produced and sold after December 31, 2023, in taxable years beginning after such date.

PART 2—CLEAN FUELS

SEC. 13201. EXTENSION OF INCENTIVES FOR BIODIESEL, RENEWABLE DIESEL AND ALTERNATIVE FUELS.

(a) BIODIESEL AND RENEWABLE DIESEL CREDIT.—Section 40A(g) is amended by striking ''December 31, 2022'' and inserting ''December 31, 2024''.

(b) BIODIESEL MIXTURE CREDIT.—

(1) IN GENERAL.—Section 6426(c)(6) is amended by striking ''December 31, 2022'' and inserting ''December 31, 2024''.

(2) FUELS NOT USED FOR TAXABLE PURPOSES.—Section 6427(e)(6)(B) is amended by striking ''December 31, 2022'' and inserting ''December 31, 2024''.

(c) ALTERNATIVE FUEL CREDIT.—Section 6426(d)(5) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2024''.

(d) ALTERNATIVE FUEL MIXTURE CREDIT.—Section 6426(e)(3) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2024''.

(e) PAYMENTS FOR ALTERNATIVE FUELS.—Section 6427(e)(6)(C) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2024''.

(f) EFFECTIVE DATE.—The amendments made by this section shall apply to fuel sold or used after December 31, 2021.

(g) SPECIAL RULE.—In the case of any alternative fuel credit properly determined under section 6426(d) of the Internal Revenue Code of 1986 for the period beginning on January 1, 2022, and ending with the close of the last calendar quarter beginning before the date of the enactment of this Act, such credit shall be allowed, and any refund or payment attributable to such credit (including any payment under section 6427(e) of such Code) shall be made, only in such manner as the Secretary of the Treasury (or the Secretary's delegate) shall provide. Such Secretary shall issue guidance within 30 days after the date of the enactment of this Act providing for a one-time submission of claims covering periods described in the preceding sentence. Such guidance shall provide for a 180-day period for the submission of such claims (in such manner as prescribed by such Secretary) to begin not later than 30 days after such guidance is issued. Such claims shall be paid by such Secretary not later than 60 days after receipt. If such Secretary has not paid pursuant to a claim filed under this subsection within 60 days after the date of the filing of such claim, the claim shall be paid with interest from such date determined by using the overpayment rate and method under section 6621 of such Code.

SEC. 13202. EXTENSION OF SECOND GENERATION BIOFUEL INCENTIVES.

(a) IN GENERAL.—Section 40(b)(6)(J)(i) is amended by striking ''2022'' and inserting ''2025''.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall apply to qualified second generation biofuel production after December 31, 2021.

SEC. 13203. SUSTAINABLE AVIATION FUEL CREDIT.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1 is amended by inserting after section 40A the following new section:

''SEC. 40B. SUSTAINABLE AVIATION FUEL CREDIT.

''(a) IN GENERAL.—For purposes of section 38, the sustainable aviation fuel credit determined under this section for the taxable year is, with respect to any sale or use of a qualified mixture which occurs during such taxable year, an amount equal to the product of—

''(1) the number of gallons of sustainable aviation fuel in such mixture, multiplied by

''(2) the sum of—

''(A) $1.25, plus

''(B) the applicable supplementary amount with respect to such sustainable aviation fuel.

''(b) APPLICABLE SUPPLEMENTARY AMOUNT.—For purposes of this section, the term 'applicable supplementary amount' means, with respect to any sustainable aviation fuel, an amount equal to $0.01 for each percentage point by which the lifecycle greenhouse gas emissions reduction percentage with respect to such fuel exceeds 50 percent. In no event shall the applicable supplementary amount determined under this subsection exceed $0.50.

''(c) QUALIFIED MIXTURE.—For purposes of this section, the term 'qualified mixture' means a mixture of sustainable aviation fuel and kerosene if—

''(1) such mixture is produced by the taxpayer in the United States,

''(2) such mixture is used by the taxpayer (or sold by the taxpayer for use) in an aircraft,

''(3) such sale or use is in the ordinary course of a trade or business of the taxpayer, and

''(4) the transfer of such mixture to the fuel tank of such aircraft occurs in the United States.

''(d) SUSTAINABLE AVIATION FUEL.—

''(1) IN GENERAL.—For purposes of this section, the term 'sustainable aviation fuel' means liquid fuel, the portion of which is not kerosene, which—

''(A) meets the requirements of—

''(i) ASTM International Standard D7566, or

''(ii) the Fischer Tropsch provisions of ASTM International Standard D1655, Annex A1,

''(B) is not derived from coprocessing an applicable material (or materials derived from an applicable material) with a feedstock which is not biomass,

''(C) is not derived from palm fatty acid distillates or petroleum, and

''(D) has been certified in accordance with subsection (e) as having a lifecycle greenhouse gas emissions reduction percentage of at least 50 percent.

''(2) DEFINITIONS.—In this subsection—

''(A) APPLICABLE MATERIAL.—The term 'applicable material' means—

''(i) monoglycerides, diglycerides, and triglycerides,

''(ii) free fatty acids, and

''(iii) fatty acid esters.

''(B) BIOMASS.—The term 'biomass' has the same meaning given such term in section 45K(c)(3).

''(e) LIFECYCLE GREENHOUSE GAS EMISSIONS REDUCTION PERCENTAGE.—For purposes of this section, the term 'lifecycle greenhouse gas emissions reduction percentage' means, with respect to any sustainable aviation fuel, the percentage reduction in lifecycle greenhouse gas emissions achieved by such fuel as compared with petroleum-based jet fuel, as defined in accordance with—

''(1) the most recent Carbon Offsetting and Reduction Scheme for International Aviation which has been adopted by the International Civil Aviation Organization with the agreement of the United States, or

''(2) any similar methodology which satisfies the criteria under section 211(o)(1)(H) of the Clean Air Act (42 U.S.C. 7545(o)(1)(H)), as in effect on the date of enactment of this section.

''(f) REGISTRATION OF SUSTAINABLE AVIATION FUEL PRODUCERS.—No credit shall be allowed under this section with respect to any sustainable aviation fuel unless the producer or importer of such fuel—

''(1) is registered with the Secretary under section 4101, and

''(2) provides—

''(A) certification (in such form and manner as the Secretary shall prescribe) from an unrelated party demonstrating compliance with—

''(i) any general requirements, supply chain traceability requirements, and information transmission requirements established under the Carbon Offsetting and Reduction Scheme for International Aviation described in paragraph (1) of subsection (e), or

''(ii) in the case of any methodology established under paragraph (2) of such subsection, requirements similar to the requirements described in clause (i), and

''(B) such other information with respect to such fuel as the Secretary may require for purposes of carrying out this section.

''(g) COORDINATION WITH CREDIT AGAINST EXCISE TAX.—The amount of the credit determined under this section with respect to any sustainable aviation fuel shall, under rules prescribed by the Secretary, be properly reduced to take into account any benefit provided with respect to such sustainable aviation fuel solely by reason of the application of section 6426 or 6427(e).

''(h) TERMINATION.—This section shall not apply to any sale or use after December 31, 2024.''.

(b) CREDIT MADE PART OF GENERAL BUSINESS CREDIT.— Section 38(b), as amended by the preceding provisions of this Act, is amended by striking ''plus'' at the end of paragraph (33), by striking the period at the end of paragraph (34) and inserting '', plus'', and by inserting after paragraph (34) the following new paragraph:

''(35) the sustainable aviation fuel credit determined under section 40B.''.

(c) COORDINATION WITH BIODIESEL INCENTIVES.—

(1) IN GENERAL.—Section 40A(d)(1) is amended by inserting ''or 40B'' after ''determined under section 40''.

(2) CONFORMING AMENDMENT.—Section 40A(f) is amended by striking paragraph (4).

(d) SUSTAINABLE AVIATION FUEL ADDED TO CREDIT FOR ALCOHOL FUEL, BIODIESEL, AND ALTERNATIVE FUEL MIXTURES.—

(1) IN GENERAL.—Section 6426 is amended by adding at the end the following new subsection:

''(k) SUSTAINABLE AVIATION FUEL CREDIT.—

''(1) IN GENERAL.—For purposes of this section, the sustainable aviation fuel credit for the taxable year is, with respect to any sale or use of a qualified mixture, an amount equal to the product of—

''(A) the number of gallons of sustainable aviation fuel in such mixture, multiplied by

''(B) the sum of—

''(i) $1.25, plus

''(ii) the applicable supplementary amount with respect to such sustainable aviation fuel.

''(2) DEFINITIONS.—Any term used in this subsection which is also used in section 40B shall have the meaning given such term by section 40B.

''(3) REGISTRATION REQUIREMENT.—For purposes of this subsection, rules similar to the rules of section 40B(f) shall apply.''.

(2) CONFORMING AMENDMENTS.—

(A) Section 6426 is amended—

(i) in subsection (a)(1), by striking ''and (e)'' and inserting ''(e), and (k)'', and

(ii) in subsection (h), by striking ''under section 40 or 40A'' and inserting ''under section 40, 40A, or 40B''.

(B) Section 6427(e) is amended—

(i) in the heading, by striking ''OR ALTERNATIVE FUEL'' and inserting, ''ALTERNATIVE FUEL, OR SUSTAINABLE AVIATION FUEL'',

(ii) in paragraph (1), by inserting ''or the sustainable aviation fuel mixture credit'' after ''alternative fuel mixture credit'', and

(iii) in paragraph (6)—

(I) in subparagraph (C), by striking ''and'' at the end,

(II) in subparagraph (D), by striking the period at the end and inserting '', and'', and

(III) by adding at the end the following new subparagraph:

''(E) any qualified mixture of sustainable aviation fuel (as defined in section 6426(k)(3)) sold or used after December 31, 2024.''.

(C) Section 4101(a)(1) is amended by inserting ''every person producing or importing sustainable aviation fuel (as defined in section 40B),'' before ''and every person producing second generation biofuel''.

(D) The table of sections for subpart D of subchapter A of chapter 1 is amended by inserting after the item relating to section 40A the following new item:

''Sec. 40B. Sustainable aviation fuel credit.''.

(e) AMOUNT OF CREDIT INCLUDED IN GROSS INCOME.—Section 87 is amended by striking ''and'' in paragraph (1), by striking the period at the end of paragraph (2) and inserting '', and'', and by adding at the end the following new paragraph:

''(3) the sustainable aviation fuel credit determined with respect to the taxpayer for the taxable year under section 40B(a).''.

(f) EFFECTIVE DATE.—The amendments made by this section shall apply to fuel sold or used after December 31, 2022.

SEC. 13204. CLEAN HYDROGEN.

(a) CREDIT FOR PRODUCTION OF CLEAN HYDROGEN.—

(1) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new section:

''SEC. 45V. CREDIT FOR PRODUCTION OF CLEAN HYDROGEN.

''(a) AMOUNT OF CREDIT.—For purposes of section 38, the clean hydrogen production credit for any taxable year is an amount equal to the product of—

''(1) the kilograms of qualified clean hydrogen produced by the taxpayer during such taxable year at a qualified clean hydrogen production facility during the 10-year period beginning on the date such facility was originally placed in service, multiplied by

''(2) the applicable amount (as determined under subsection (b)) with respect to such hydrogen.

''(b) APPLICABLE AMOUNT.—

''(1) IN GENERAL.—For purposes of subsection (a)(2), the applicable amount shall be an amount equal to the applicable percentage of $0.60. If any amount as determined under the preceding sentence is not a multiple of 0.1 cent, such amount shall be rounded to the nearest multiple of 0.1 cent.

''(2) APPLICABLE PERCENTAGE.—For purposes of paragraph (1), the applicable percentage shall be determined as follows:

''(A) In the case of any qualified clean hydrogen which is produced through a process that results in a lifecycle greenhouse gas emissions rate of—

''(i) not greater than 4 kilograms of CO2e per kilogram of hydrogen, and

''(ii) not less than 2.5 kilograms of CO2e per kilogram of hydrogen,

the applicable percentage shall be 20 percent.

''(B) In the case of any qualified clean hydrogen which is produced through a process that results in a lifecycle greenhouse gas emissions rate of—

''(i) less than 2.5 kilograms of CO2e per kilogram of hydrogen, and

''(ii) not less than 1.5 kilograms of CO2e per kilogram of hydrogen,

the applicable percentage shall be 25 percent.

''(C) In the case of any qualified clean hydrogen which is produced through a process that results in a lifecycle greenhouse gas emissions rate of—

''(i) less than 1.5 kilograms of CO2e per kilogram of hydrogen, and

''(ii) not less than 0.45 kilograms of CO2e per kilogram of hydrogen,

the applicable percentage shall be 33.4 percent.

''(D) In the case of any qualified clean hydrogen which is produced through a process that results in a lifecycle greenhouse gas emissions rate of less than 0.45 kilograms of CO2e per kilogram of hydrogen, the applicable percentage shall be 100 percent.

''(3) INFLATION ADJUSTMENT.—The $0.60 amount in paragraph (1) shall be adjusted by multiplying such amount by the inflation adjustment factor (as determined under section 45(e)(2), determined by substituting '2022' for '1992' in subparagraph (B) thereof) for the calendar year in which the qualified clean hydrogen is produced. If any amount as increased under the preceding sentence is not a multiple of 0.1 cent, such amount shall be rounded to the nearest multiple of 0.1 cent.

''(c) DEFINITIONS.—For purposes of this section—

''(1) LIFECYCLE GREENHOUSE GAS EMISSIONS.—

''(A) IN GENERAL.—Subject to subparagraph (B), the term 'lifecycle greenhouse gas emissions' has the same meaning given such term under subparagraph (H) of section 211(o)(1) of the Clean Air Act (42 U.S.C. 7545(o)(1)), as in effect on the date of enactment of this section.

''(B) GREET MODEL.—The term 'lifecycle greenhouse gas emissions' shall only include emissions through the point of production (well-to-gate), as determined under the most recent Greenhouse gases, Regulated Emissions, and Energy use in Transportation model (commonly referred to as the 'GREET model') developed by Argonne National Laboratory, or a successor model (as determined by the Secretary).

''(2) QUALIFIED CLEAN HYDROGEN.—

''(A) IN GENERAL.—The term 'qualified clean hydrogen' means hydrogen which is produced through a process that results in a lifecycle greenhouse gas emissions rate of not greater than 4 kilograms of CO2e per kilogram of hydrogen.

''(B) ADDITIONAL REQUIREMENTS.—Such term shall not include any hydrogen unless—

''(i) such hydrogen is produced—

''(I) in the United States (as defined in section 638(1)) or a possession of the United States (as defined in section 638(2)),

''(II) in the ordinary course of a trade or business of the taxpayer, and

''(III) for sale or use, and

''(ii) the production and sale or use of such hydrogen is verified by an unrelated party.

''(C) PROVISIONAL EMISSIONS RATE.—In the case of any hydrogen for which a lifecycle greenhouse gas emissions rate has not been determined for purposes of this section, a taxpayer producing such hydrogen may file a petition with the Secretary for determination of the lifecycle greenhouse gas emissions rate with respect to such hydrogen.

''(3) QUALIFIED CLEAN HYDROGEN PRODUCTION FACILITY.—The term 'qualified clean hydrogen production facility' means a facility—

''(A) owned by the taxpayer,

''(B) which produces qualified clean hydrogen, and

''(C) the construction of which begins before January 1, 2033.

''(d) SPECIAL RULES.—

''(1) TREATMENT OF FACILITIES OWNED BY MORE THAN 1 TAXPAYER.—Rules similar to the rules section 45(e)(3) shall apply for purposes of this section.

''(2) COORDINATION WITH CREDIT FOR CARBON OXIDE SEQUESTRATION.—No credit shall be allowed under this section with respect to any qualified clean hydrogen produced at a facility which includes carbon capture equipment for which a credit is allowed to any taxpayer under section 45Q for the taxable year or any prior taxable year.

''(e) INCREASED CREDIT AMOUNT FOR QUALIFIED CLEAN HYDROGEN PRODUCTION FACILITIES.—

''(1) IN GENERAL.—In the case of any qualified clean hydrogen production facility which satisfies the requirements of paragraph (2), the amount of the credit determined under subsection (a) with respect to qualified clean hydrogen described in subsection (b)(2) shall be equal to such amount (determined without regard to this sentence) multiplied by 5.

''(2) REQUIREMENTS.—A facility meets the requirements of this paragraph if it is one of the following:

''(A) A facility—

''(i) the construction of which begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (3)(A) and (4), and

''(ii) which meets the requirements of paragraph (3)(A) with respect to alteration or repair of such facility which occurs after such date.

''(B) A facility which satisfies the requirements of paragraphs (3)(A) and (4).

''(3) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to any qualified clean hydrogen production facility are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in—

''(i) the construction of such facility, and

''(ii) with respect to any taxable year, for any portion of such taxable year which is within the period described in subsection (a)(2), the alteration or repair of such facility,

shall be paid wages at rates not less than the prevailing rates for construction, alteration, or repair of a similar character in the locality in which such facility is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code. For purposes of determining an increased credit amount under paragraph (1) for a taxable year, the requirement under clause (ii) of this subparagraph is applied to such taxable year in which the alteration or repair of qualified facility occurs.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(4) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(5) REGULATIONS AND GUIDANCE.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.

''(f) REGULATIONS.—Not later than 1 year after the date of enactment of this section, the Secretary shall issue regulations or other guidance to carry out the purposes of this section, including regulations or other guidance for determining lifecycle greenhouse gas emissions.''.

(2) CREDIT REDUCED FOR TAX-EXEMPT BONDS.—Section 45V(d), as added by this section, is amended by adding at the end the following new paragraph:

''(3) CREDIT REDUCED FOR TAX-EXEMPT BONDS.—Rules similar to the rule under section 45(b)(3) shall apply for purposes of this section.''.

(3) MODIFICATION OF EXISTING FACILITIES.—Section 45V(d), as added and amended by the preceding provisions of this section, is amended by adding at the end the following new paragraph:

''(4) MODIFICATION OF EXISTING FACILITIES.—For purposes of subsection (a)(1), in the case of any facility which—

''(A) was originally placed in service before January 1, 2023, and, prior to the modification described in subparagraph (B), did not produce qualified clean hydrogen, and

''(B) after the date such facility was originally placed in service—

''(i) is modified to produce qualified clean hydrogen, and

''(ii) amounts paid or incurred with respect to such modification are properly chargeable to capital account of the taxpayer,

such facility shall be deemed to have been originally placed in service as of the date that the property required to complete the modification described in subparagraph (B) is placed in service.''.

(4) CONFORMING AMENDMENTS.—

(A) Section 38(b), as amended by the preceding provisions of this Act, is amended—

(i) in paragraph (34), by striking ''plus'' at the end,

(ii) in paragraph (35), by striking the period at the end and inserting '', plus'', and

(iii) by adding at the end the following new paragraph:

''(36) the clean hydrogen production credit determined under section 45V(a).''.

(B) The table of sections for subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new item:

''Sec. 45V. Credit for production of clean hydrogen.''.

(5) EFFECTIVE DATES.—

(A) IN GENERAL.—The amendments made by paragraphs (1) and (4) of this subsection shall apply to hydrogen produced after December 31, 2022.

(B) CREDIT REDUCED FOR TAX-EXEMPT BONDS.—The amendment made by paragraph (2) shall apply to facilities the construction of which begins after the date of enactment of this Act.

(C) MODIFICATION OF EXISTING FACILITIES.—The amendment made by paragraph (3) shall apply to modifications made after December 31, 2022.

(b) CREDIT FOR ELECTRICITY PRODUCED FROM RENEWABLE RESOURCES ALLOWED IF ELECTRICITY IS USED TO PRODUCE CLEAN HYDROGEN.—

(1) IN GENERAL.—Section 45(e), as amended by the preceding provisions of this Act, is amended by adding at the end the following new paragraph:

''(13) SPECIAL RULE FOR ELECTRICITY USED AT A QUALIFIED CLEAN HYDROGEN PRODUCTION FACILITY.—Electricity produced by the taxpayer shall be treated as sold by such taxpayer to an unrelated person during the taxable year if—

''(A) such electricity is used during such taxable year by the taxpayer or a person related to the taxpayer at a qualified clean hydrogen production facility (as defined in section 45V(c)(3)) to produce qualified clean hydrogen (as defined in section 45V(c)(2)), and

''(B) such use and production is verified (in such form or manner as the Secretary may prescribe) by an unrelated third party.''.

(2) SIMILAR RULE FOR ZERO-EMISSION NUCLEAR POWER PRODUCTION CREDIT.—Subsection (c)(2) of section 45U, as added by section 13105 of this Act, is amended by striking ''and (5)'' and inserting ''(5), and (13)''.

(3) EFFECTIVE DATE.—The amendments made by this subsection shall apply to electricity produced after December 31, 2022.

(c) ELECTION TO TREAT CLEAN HYDROGEN PRODUCTION FACILITIES AS ENERGY PROPERTY.—

(1) IN GENERAL.—Section 48(a), as amended by the preceding provisions of this Act, is amended—

(A) by redesignating paragraph (15) as paragraph (16), and

(B) by inserting after paragraph (14) the following new paragraph:

''(15) ELECTION TO TREAT CLEAN HYDROGEN PRODUCTION FACILITIES AS ENERGY PROPERTY.—

''(A) IN GENERAL.—In the case of any qualified property (as defined in paragraph (5)(D)) which is part of a specified clean hydrogen production facility—

''(i) such property shall be treated as energy property for purposes of this section, and

''(ii) the energy percentage with respect to such property is—

''(I) in the case of a facility which is designed and reasonably expected to produce qualified clean hydrogen which is described in a subparagraph (A) of section 45V(b)(2), 1.2 percent,

''(II) in the case of a facility which is designed and reasonably expected to produce qualified clean hydrogen which is described in a subparagraph (B) of such section, 1.5 percent,

''(III) in the case of a facility which is designed and reasonably expected to produce qualified clean hydrogen which is described in a subparagraph (C) of such section, 2 percent, and

''(IV) in the case of a facility which is designed and reasonably expected to produce qualified clean hydrogen which is described in subparagraph (D) of such section, 6 percent.

''(B) DENIAL OF PRODUCTION CREDIT.—No credit shall be allowed under section 45V or section 45Q for any taxable year with respect to any specified clean hydrogen production facility or any carbon capture equipment included at such facility.

''(C) SPECIFIED CLEAN HYDROGEN PRODUCTION FACILITY.—For purposes of this paragraph, the term 'specified clean hydrogen production facility' means any qualified clean hydrogen production facility (as defined in section 45V(c)(3))—

''(i) which is placed in service after December 31, 2022,

''(ii) with respect to which—

''(I) no credit has been allowed under section 45V or 45Q, and

''(II) the taxpayer makes an irrevocable election to have this paragraph apply, and

''(iii) for which an unrelated third party has verified (in such form or manner as the Secretary may prescribe) that such facility produces hydrogen through a process which results in lifecycle greenhouse gas emissions which are consistent with the hydrogen that such facility was designed and expected to produce under subparagraph (A)(ii).

''(D) QUALIFIED CLEAN HYDROGEN.—For purposes of this paragraph, the term 'qualified clean hydrogen' has the meaning given such term by section 45V(c)(2).

''(E) REGULATIONS.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this section, including regulations or other guidance which recaptures so much of any credit allowed under this section as exceeds the amount of the credit which would have been allowed if the expected production were consistent with the actual verified production (or all of the credit so allowed in the absence of such verification).''.

(2) CONFORMING AMENDMENT.—Paragraph (9)(A)(i) of section 48(a), as added by section 13102, is amended by inserting ''and paragraph (15)'' after ''paragraphs (1) through (8)''.

(3) EFFECTIVE DATE.—The amendments made by this subsection shall apply to property placed in service after December 31, 2022, and, for any property the construction of which begins prior to January 1, 2023, only to the extent of the basis thereof attributable to the construction, reconstruction, or erection after December 31, 2022.

(d) TERMINATION OF EXCISE TAX CREDIT FOR HYDROGEN.—

(1) IN GENERAL.—Section 6426(d)(2) is amended by striking subparagraph (D) and by redesignating subparagraphs (E), (F), and (G) as subparagraphs (D), (E), and (F), respectively.

(2) CONFORMING AMENDMENT.—Section 6426(e)(2) is amended by striking ''(F)'' and inserting ''(E)''.

(3) EFFECTIVE DATE.—The amendments made by this subsection shall apply to fuel sold or used after December 31, 2022.

PART 3—CLEAN ENERGY AND EFFICIENCY INCENTIVES FOR INDIVIDUALS

SEC. 13301. EXTENSION, INCREASE, AND MODIFICATIONS OF NONBUSINESS ENERGY PROPERTY CREDIT.

(a) EXTENSION OF CREDIT.—Section 25C(g)(2) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2032''.

(b) ALLOWANCE OF CREDIT.—Section 25C(a) is amended to read as follows:

''(a) ALLOWANCE OF CREDIT.—In the case of an individual, there shall be allowed as a credit against the tax imposed by this chapter for the taxable year an amount equal to 30 percent of the sum of—

''(1) the amount paid or incurred by the taxpayer for qualified energy efficiency improvements installed during such taxable year, and

''(2) the amount of the residential energy property expenditures paid or incurred by the taxpayer during such taxable year.''.

(c) APPLICATION OF ANNUAL LIMITATION IN LIEU OF LIFETIME LIMITATION.—Section 25C(b) is amended to read as follows:

''(b) LIMITATIONS.—

''(1) IN GENERAL.—The credit allowed under this section with respect to any taxpayer for any taxable year shall not exceed $1,200.

''(2) ENERGY PROPERTY.—The credit allowed under this section by reason of subsection (a)(2) with respect to any taxpayer for any taxable year shall not exceed, with respect to any item of qualified energy property, $600.

''(3) WINDOWS.—The credit allowed under this section by reason of subsection (a)(1) with respect to any taxpayer for any taxable year shall not exceed, in the aggregate with respect to all exterior windows and skylights, $600.

''(4) DOORS.—The credit allowed under this section by reason of subsection (a)(1) with respect to any taxpayer for any taxable year shall not exceed—

''(A) $250 in the case of any exterior door, and

''(B) $500 in the aggregate with respect to all exterior doors.

''(5) HEAT PUMP AND HEAT PUMP WATER HEATERS; BIOMASS STOVES AND BOILERS.—Notwithstanding paragraphs (1) and (2), the credit allowed under this section by reason of subsection (a)(2) with respect to any taxpayer for any taxable year shall not, in the aggregate, exceed $2,000 with respect to amounts paid or incurred for property described in clauses (i) and (ii) of subsection (d)(2)(A) and in subsection (d)(2)(B).''.

(d) MODIFICATIONS RELATED TO QUALIFIED ENERGY EFFICIENCY IMPROVEMENTS.—

(1) STANDARDS FOR ENERGY EFFICIENT BUILDING ENVELOPE COMPONENTS.—Section 25C(c)(2) is amended by striking ''meets—'' and all that follows through the period at the end and inserting the following: ''meets—

''(A) in the case of an exterior window or skylight, Energy Star most efficient certification requirements,

''(B) in the case of an exterior door, applicable Energy Star requirements, and

''(C) in the case of any other component, the prescriptive criteria for such component established by the most recent International Energy Conservation Code standard in effect as of the beginning of the calendar year which is 2 years prior to the calendar year in which such component is placed in service.''.

(2) ROOFS NOT TREATED AS BUILDING ENVELOPE COMPONENTS.—Section 25C(c)(3) is amended by adding ''and'' at the end of subparagraph (B), by striking '', and'' at the end of subparagraph (C) and inserting a period, and by striking subparagraph (D).

(3) AIR SEALING INSULATION ADDED TO DEFINITION OF BUILDING ENVELOPE COMPONENT.—Section 25C(c)(3)(A) is amended by inserting '', including air sealing material or system,'' after ''material or system''.

(e) MODIFICATION OF RESIDENTIAL ENERGY PROPERTY EXPENDITURES.—Section 25C(d) is amended to read as follows:

''(d) RESIDENTIAL ENERGY PROPERTY EXPENDITURES.—For purposes of this section—

''(1) IN GENERAL.—The term 'residential energy property expenditures' means expenditures made by the taxpayer for qualified energy property which is—

''(A) installed on or in connection with a dwelling unit located in the United States and used as a residence by the taxpayer, and

''(B) originally placed in service by the taxpayer.

Such term includes expenditures for labor costs properly allocable to the onsite preparation, assembly, or original installation of the property.

''(2) QUALIFIED ENERGY PROPERTY.—The term 'qualified energy property' means any of the following:

''(A) Any of the following which meet or exceed the highest efficiency tier (not including any advanced tier) established by the Consortium for Energy Efficiency which is in effect as of the beginning of the calendar year in which the property is placed in service:

''(i) An electric or natural gas heat pump water heater.

''(ii) An electric or natural gas heat pump.

''(iii) A central air conditioner.

''(iv) A natural gas, propane, or oil water heater.

''(v) A natural gas, propane, or oil furnace or hot water boiler.

''(B) A biomass stove or boiler which—

''(i) uses the burning of biomass fuel to heat a dwelling unit located in the United States and used as a residence by the taxpayer, or to heat water for use in such a dwelling unit, and

''(ii) has a thermal efficiency rating of at least 75 percent (measured by the higher heating value of the fuel).

''(C) Any oil furnace or hot water boiler which—

''(i) is placed in service after December 31, 2022, and before January 1, 2027, and—

''(I) meets or exceeds 2021 Energy Star efficiency criteria, and

''(II) is rated by the manufacturer for use with fuel blends at least 20 percent of the volume of which consists of an eligible fuel, or

''(ii) is placed in service after December 31, 2026, and—

''(I) achieves an annual fuel utilization efficiency rate of not less than 90, and

''(II) is rated by the manufacturer for use with fuel blends at least 50 percent of the volume of which consists of an eligible fuel.

''(D) Any improvement to, or replacement of, a panelboard, sub-panelboard, branch circuits, or feeders which—

''(i) is installed in a manner consistent with the National Electric Code,

''(ii) has a load capacity of not less than 200 amps,

''(iii) is installed in conjunction with—

''(I) any qualified energy efficiency improvements, or

''(II) any qualified energy property described in subparagraphs (A) through (C) for which a credit is allowed under this section for expenditures with respect to such property, and

''(iv) enables the installation and use of any property described in subclause (I) or (II) of clause (iii).

''(3) ELIGIBLE FUEL.—For purposes of paragraph (2), the term 'eligible fuel' means—

''(A) biodiesel and renewable diesel (within the meaning of section 40A), and

''(B) second generation biofuel (within the meaning of section 40).''.

(f) HOME ENERGY AUDITS.—

(1) IN GENERAL.—Section 25C(a), as amended by subsection (b), is amended by striking ''and'' at the end of paragraph (1), by striking the period at the end of paragraph (2) and inserting '', and'', and by adding at the end the following new paragraph:

''(3) the amount paid or incurred by the taxpayer during the taxable year for home energy audits.''.

(2) LIMITATION.—Section 25C(b), as amended by subsection (c), is amended adding at the end the following new paragraph:

''(6) HOME ENERGY AUDITS.—

''(A) DOLLAR LIMITATION.—The amount of the credit allowed under this section by reason of subsection (a)(3) shall not exceed $150.

''(B) SUBSTANTIATION REQUIREMENT.—No credit shall be allowed under this section by reason of subsection (a)(3) unless the taxpayer includes with the taxpayer's return of tax such information or documentation as the Secretary may require.''.

(3) HOME ENERGY AUDITS.—

(A) IN GENERAL.—Section 25C is amended by redesignating subsections (e), (f), and (g), as subsections (f), (g), and (h), respectively, and by inserting after subsection (d) the following new subsection:

''(e) HOME ENERGY AUDITS.—For purposes of this section, the term 'home energy audit' means an inspection and written report with respect to a dwelling unit located in the United States and owned or used by the taxpayer as the taxpayer's principal residence (within the meaning of section 121) which—

''(1) identifies the most significant and cost-effective energy efficiency improvements with respect to such dwelling unit, including an estimate of the energy and cost savings with respect to each such improvement, and

''(2) is conducted and prepared by a home energy auditor that meets the certification

or other requirements specified by the Secretary in regulations or other guidance (as prescribed by the Secretary not later than 365 days after the date of the enactment of this subsection).''.

(B) CONFORMING AMENDMENT.—Section 1016(a)(33) is amended by striking ''section 25C(f)'' and inserting ''section 25C(g)''.

(4) LACK OF SUBSTANTIATION TREATED AS MATHEMATICAL OR CLERICAL ERROR.—Section 6213(g)(2) is amended—

(A) in subparagraph (P), by striking ''and'' at the end,

(B) in subparagraph (Q), by striking the period at the end and inserting '', and'', and

(C) by inserting after subparagraph (Q) the following:

''(R) an omission of information or documentation required under section 25C(b)(6)(B) (relating to home energy audits) to be included on a return.''.

(g) IDENTIFICATION NUMBER REQUIREMENT.—

(1) IN GENERAL.—Section 25C, as amended by this section, is amended by redesignating subsection (h) as subsection (i) and by inserting after subsection (g) the following new subsection:

''(h) PRODUCT IDENTIFICATION NUMBER REQUIREMENT.—

''(1) IN GENERAL.—No credit shall be allowed under subsection (a) with respect to any item of specified property placed in service after December 31, 2024, unless—

''(A) such item is produced by a qualified manufacturer, and

''(B) the taxpayer includes the qualified product identification number of such item on the return of tax for the taxable year.

''(2) QUALIFIED PRODUCT IDENTIFICATION NUMBER.—For purposes of this section, the term 'qualified product identification number' means, with respect to any item of specified property, the product identification number assigned to such item by the qualified manufacturer pursuant to the methodology referred to in paragraph (3).

''(3) QUALIFIED MANUFACTURER.—For purposes of this section, the term 'qualified manufacturer' means any manufacturer of specified property which enters into an agreement with the Secretary which provides that such manufacturer will—

''(A) assign a product identification number to each item of specified property produced by such manufacturer utilizing a methodology that will ensure that such number (including any alphanumeric) is unique to each such item (by utilizing numbers or letters which are unique to such manufacturer or by such other method as the Secretary may provide),

''(B) label such item with such number in such manner as the Secretary may provide, and

''(C) make periodic written reports to the Secretary (at such times and in such manner as the Secretary may provide) of the product identification numbers so assigned and including such information as the Secretary may require with respect to the item of specified property to which such number was so assigned.

''(4) SPECIFIED PROPERTY.—For purposes of this subsection, the term 'specified property' means any qualified energy property and any property described in subparagraph (B) or (C) of subsection (c)(3).''.

(2) OMISSION OF CORRECT PRODUCT IDENTIFICATION NUMBER TREATED AS MATHEMATICAL OR CLERICAL ERROR.—Section 6213(g)(2), as amended by the preceding provisions of this Act, is amended—

(A) in subparagraph (Q), by striking ''and'' at the end,

(B) in subparagraph (R), by striking the period at the end and inserting '', and'', and

(C) by inserting after subparagraph (R) the following:

''(S) an omission of a correct product identification number required under section 25C(h) (relating to credit for nonbusiness energy property) to be included on a return.''.

(h) ENERGY EFFICIENT HOME IMPROVEMENT CREDIT.—

(1) IN GENERAL.—The heading for section 25C is amended by striking ''**NONBUSINESS ENERGY PROPERTY**'' and inserting ''**ENERGY EFFICIENT HOME IMPROVEMENT CREDIT**''.

(2) CLERICAL AMENDMENT.—The table of sections for subpart A of part IV of subchapter A of chapter 1 is amended by striking the item relating to section 25C and inserting after the item relating to section 25B the following item:

''Sec. 25C. Energy efficient home improvement credit.''.

(i) EFFECTIVE DATES.—

(1) IN GENERAL.—Except as otherwise provided by this subsection, the amendments made by this section shall apply to property placed in service after December 31, 2022.

(2) EXTENSION OF CREDIT.—The amendments made by subsection (a) shall apply to property placed in service after December 31, 2021.

(3) IDENTIFICATION NUMBER REQUIREMENT.—The amendments made by subsection (g) shall apply to property placed in service after December 31, 2024.

SEC. 13302. RESIDENTIAL CLEAN ENERGY CREDIT.

(a) EXTENSION OF CREDIT.—

(1) IN GENERAL.—Section 25D(h) is amended by striking ''December 31, 2023'' and inserting ''December 31, 2034''.

(2) APPLICATION OF PHASEOUT.—Section 25D(g) is amended—

(A) in paragraph (2), by striking ''before January 1, 2023, 26 percent, and'' and inserting ''before January 1, 2022, 26 percent,'', and

(B) by striking paragraph (3) and by inserting after paragraph (2) the following new paragraphs:

''(3) in the case of property placed in service after December 31, 2021, and before January 1, 2033, 30 percent,

''(4) in the case of property placed in service after December 31, 2032, and before January 1, 2034, 26 percent, and

''(5) in the case of property placed in service after December 31, 2033, and before January 1, 2035, 22 percent.''.

(b) RESIDENTIAL CLEAN ENERGY CREDIT FOR BATTERY STORAGE TECHNOLOGY; CERTAIN EXPENDITURES DISALLOWED.—

(1) ALLOWANCE OF CREDIT.—Paragraph (6) of section 25D(a) is amended to read as follows:

''(6) the qualified battery storage technology expenditures,''.

(2) DEFINITION OF QUALIFIED BATTERY STORAGE TECHNOLOGY EXPENDITURE.—Paragraph (6) of section 25D(d) is amended to read as follows:

''(6) QUALIFIED BATTERY STORAGE TECHNOLOGY EXPENDITURE.—The term 'qualified battery storage technology expenditure' means an expenditure for battery storage technology which—

''(A) is installed in connection with a dwelling unit located in the United States and used as a residence by the taxpayer, and

''(B) has a capacity of not less than 3 kilowatt hours.''.

(c) CONFORMING AMENDMENTS.—

(1) Section 25D(d)(3) is amended by inserting '', without regard to subparagraph (D) thereof'' after ''section 48(c)(1)''.

(2) The heading for section 25D is amended by striking ''**ENERGY EFFICIENT PROPERTY**'' and inserting ''**CLEAN ENERGY CREDIT**''.

(3) The table of sections for subpart A of part IV of subchapter A of chapter 1 is amended by striking the item relating to section 25D and inserting the following:

''Sec. 25D. Residential clean energy credit.''.

(d) EFFECTIVE DATES.—

(1) IN GENERAL.—Except as provided in paragraph (2), the amendments made by this section shall apply to expenditures made after December 31, 2021.

(2) RESIDENTIAL CLEAN ENERGY CREDIT FOR BATTERY STORAGE TECHNOLOGY; CERTAIN EXPENDITURES DISALLOWED.—The amendments made by subsection (b) shall apply to expenditures made after December 31, 2022.

SEC. 13303. ENERGY EFFICIENT COMMERCIAL BUILDINGS DEDUCTION.

(a) IN GENERAL.—

(1) MAXIMUM AMOUNT OF DEDUCTION.—Subsection (b) of section 179D is amended to read as follows:

''(b) MAXIMUM AMOUNT OF DEDUCTION.—

''(1) IN GENERAL.—The deduction under subsection (a) with respect to any building for any taxable year shall not exceed the excess (if any) of—

''(A) the product of—

''(i) the applicable dollar value, and

''(ii) the square footage of the building, over

''(B) the aggregate amount of the deductions under subsections (a) and (f) with respect to the building for the 3 taxable years immediately preceding such taxable year (or, in the case of any such deduction allowable to a person other than the taxpayer, for any taxable year ending during the 4-taxable-year period ending with such taxable year).

''(2) APPLICABLE DOLLAR VALUE.—For purposes of paragraph (1)(A)(i), the applicable dollar value shall be an amount equal to $0.50 increased (but not above $1.00) by $0.02 for each percentage point by which the total annual energy and power costs for the building are certified to be reduced by a percentage greater than 25 percent.

''(3) INCREASED DEDUCTION AMOUNT FOR CERTAIN PROPERTY.—

''(A) IN GENERAL.—In the case of any property which satisfies the requirements of subparagraph (B), paragraph (2) shall be applied by substituting '$2.50' for '$0.50', '$.10' for '$.02', and '$5.00' for '$1.00'.

''(B) PROPERTY REQUIREMENTS.—In the case of any energy efficient commercial building property, energy efficient building retrofit property, or property installed pursuant to a qualified retrofit plan, such property shall meet the requirements of this subparagraph if —

''(i) installation of such property begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (4)(A) and (5), or

''(ii) installation of such property satisfies the requirements of paragraphs (4)(A) and (5).

''(4) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to any property are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in the installation of any property shall be paid wages at rates not less than the prevailing rates for construction, alteration, or repair of a similar character in the locality in which such property is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(5) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(6) REGULATIONS.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry

out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.''.

(2) MODIFICATION OF EFFICIENCY STANDARD.—Section 179D(c)(1)(D) is amended by striking ''50 percent'' and inserting ''25 percent''.

(3) REFERENCE STANDARD.—Section 179D(c)(2) is amended by striking ''the most recent'' and inserting the following: ''the more recent of—

''(A) Standard 90.1-2007 published by the American Society of Heating, Refrigerating, and Air Conditioning Engineers and the Illuminating Engineering Society of North America, or

''(B) the most recent''.

(4) FINAL DETERMINATION; EXTENSION OF PERIOD; PLACED IN SERVICE DEADLINE.—Subparagraph (B) of section 179D(c)(2), as amended by paragraph (3), is amended—

(A) by inserting ''for which the Department of Energy has issued a final determination and'' before ''which has been affirmed'',

(B) by striking ''2 years'' and inserting ''4 years'', and

(C) by striking ''that construction of such property begins'' and inserting ''such property is placed in service''.

(5) ELIMINATION OF PARTIAL ALLOWANCE.—

(A) IN GENERAL.—Section 179D(d) is amended—

(i) by striking paragraph (1), and

(ii) by redesignating paragraphs (2) through (6) as paragraphs (1) through (5), respectively.

(B) CONFORMING AMENDMENTS.—

(i) Section 179D(c)(1)(D) is amended—

(I) by striking ''subsection (d)(6)'' and inserting ''subsection (d)(5)'', and

(II) by striking ''subsection (d)(2)'' and inserting ''subsection (d)(1)''.

(ii) Paragraph (2)(A) of section 179D(d), as redesignated by subparagraph (A), is amended by striking ''paragraph (2)'' and inserting ''paragraph (1)''.

(iii) Paragraph (4) of section 179D(d), as redesignated by subparagraph (A), is amended by striking ''paragraph (3)(B)(iii)'' and inserting ''paragraph (2)(B)(iii)''.

(iv) Section 179D is amended by striking subsection (f).

(v) Section 179D(h) is amended by striking ''or (d)(1)(A)''.

(6) ALLOCATION OF DEDUCTION BY CERTAIN TAX-EXEMPT ENTITIES.—Paragraph (3) of section 179D(d), as redesignated by paragraph (5)(A), is amended to read as follows:

''(3) ALLOCATION OF DEDUCTION BY CERTAIN TAX-EXEMPT ENTITIES.—

''(A) IN GENERAL.—In the case of energy efficient commercial building property installed on or in property owned by a specified tax-exempt entity, the Secretary shall promulgate regulations or guidance to allow the allocation of the deduction to the person primarily responsible for designing the property in lieu of the owner of such property. Such person shall be treated as the taxpayer for purposes of this section.

''(B) SPECIFIED TAX-EXEMPT ENTITY.—For purposes of this paragraph, the term 'specified tax-exempt entity' means—

''(i) the United States, any State or political subdivision thereof, any possession of the United States, or any agency or instrumentality of any of the foregoing,

''(ii) an Indian tribal government (as defined in section 30D(g)(9)) or Alaska Native Corporation (as defined in section 3 of the Alaska Native Claims Settlement Act (43 U.S.C. 1602(m)), and

''(iii) any organization exempt from tax imposed by this chapter.''.

(7) ALTERNATIVE DEDUCTION FOR ENERGY EFFICIENT BUILDING RETROFIT PROPERTY.—Section 179D, as amended by the preceding provisions of this section, is amended by inserting after subsection (e) the following new subsection:

''(f) ALTERNATIVE DEDUCTION FOR ENERGY EFFICIENT BUILDING RETROFIT PROPERTY.—

''(1) IN GENERAL.—In the case of a taxpayer which elects (at such time and in such manner as the Secretary may provide) the application of this subsection with respect to any qualified building, there shall be allowed as a deduction for the taxable year which includes the date of the qualifying final certification with respect to the qualified retrofit plan of such building, an amount equal to the lesser of—

''(A) the excess described in subsection (b) (determined by substituting 'energy use intensity' for 'total annual energy and power costs' in paragraph (2) thereof), or

''(B) the aggregate adjusted basis (determined after taking into account all adjustments with respect to such taxable year other than the reduction under subsection (e)) of energy efficient building retrofit property placed in service by the taxpayer pursuant to such qualified retrofit plan.

''(2) QUALIFIED RETROFIT PLAN.—For purposes of this subsection, the term 'qualified retrofit plan' means a written plan prepared by a qualified professional which specifies modifications to a building which, in the aggregate, are expected to reduce such building's energy use intensity by 25 percent or more in comparison to the baseline energy use intensity of such building. Such plan shall provide for a qualified professional to—

''(A) as of any date during the 1-year period ending on the date on which the property installed pursuant to such plan is placed in service, certify the energy use intensity of such building as of such date,

''(B) certify the status of property installed pursuant to such plan as meeting the requirements of subparagraphs (B) and (C) of paragraph (3), and

''(C) as of any date that is more than 1 year after the date on which the property installed pursuant to such plan is placed in service, certify the energy use intensity of such building as of such date.

''(3) ENERGY EFFICIENT BUILDING RETROFIT PROPERTY.—For purposes of this subsection, the term 'energy efficient building retrofit property' means property—

''(A) with respect to which depreciation (or amortization in lieu of depreciation) is allowable,

''(B) which is installed on or in any qualified building,

''(C) which is installed as part of—

''(i) the interior lighting systems,

''(ii) the heating, cooling, ventilation, and hot water systems, or

''(iii) the building envelope, and

''(D) which is certified in accordance with paragraph (2)(B) as meeting the requirements of subparagraphs (B) and (C).

''(4) QUALIFIED BUILDING.—For purposes of this subsection, the term 'qualified building' means any building which—

''(A) is located in the United States, and

''(B) was originally placed in service not less than 5 years before the establishment of the qualified retrofit plan with respect to such building.

''(5) QUALIFYING FINAL CERTIFICATION.—For purposes of this subsection, the term 'qualifying final certification' means, with respect to any qualified retrofit plan, the certification described in paragraph (2)(C) if the energy use intensity certified in such certification is not more than 75 percent of the baseline energy use intensity of the building.

''(6) BASELINE ENERGY USE INTENSITY.—

''(A) IN GENERAL.—For purposes of this subsection, the term 'baseline energy use intensity' means the energy use intensity certified under paragraph (2)(A), as adjusted to take into account weather.

''(B) DETERMINATION OF ADJUSTMENT.—For purposes of subparagraph (A), the adjustments described in such subparagraph shall be determined in such manner as the Secretary may provide.

''(7) OTHER DEFINITIONS.—For purposes of this subsection—

''(A) ENERGY USE INTENSITY.—The term 'energy use intensity' means the annualized, measured site energy use intensity determined in accordance with such regulations or other guidance as the Secretary may provide and measured in British thermal units.

''(B) QUALIFIED PROFESSIONAL.—The term 'qualified professional' means an individual who is a licensed architect or a licensed engineer and meets such other requirements as the Secretary may provide.

''(8) COORDINATION WITH DEDUCTION OTHERWISE ALLOWED UNDER SUBSECTION (a).—

''(A) IN GENERAL.—In the case of any building with respect to which an election is made under paragraph (1), the term 'energy efficient commercial building property' shall not include any energy efficient building retrofit property with respect to which a deduction is allowable under this subsection.

''(B) CERTAIN RULES NOT APPLICABLE.—

''(i) IN GENERAL.—Except as provided in clause (ii), subsection (d) shall not apply for purposes of this subsection.

''(ii) ALLOCATION OF DEDUCTION BY CERTAIN TAX-EXEMPT ENTITIES.—Rules similar to subsection (d)(3) shall apply for purposes of this subsection.''.

(8) INFLATION ADJUSTMENT.—Section 179D(g) is amended—

(A) by striking ''2020'' and inserting ''2022'',

(B) by striking ''or subsection (d)(1)(A)'', and

(C) by striking ''2019'' and inserting ''2021''.

(b) APPLICATION TO REAL ESTATE INVESTMENT TRUST EARNINGS AND PROFITS.—Section 312(k)(3)(B) is amended—

(1) by striking ''For purposes of computing the earnings and profits of a corporation'' and inserting the following:

''(i) IN GENERAL.—For purposes of computing the earnings and profits of a corporation, except as provided in clause (ii)'', and

(2) by adding at the end the following new clause:

''(ii) SPECIAL RULE.—In the case of a corporation that is a real estate investment trust, any amount deductible under section 179D shall be allowed in the year in which the property giving rise to such deduction is placed in service (or, in the case of energy efficient building retrofit property, the year in which the qualifying final certification is made).''.

(c) CONFORMING AMENDMENT.—Paragraph (1) of section 179D(d), as redesignated by subsection (a)(5)(A), is amended by striking ''not later than the date that is 2 years before the date that construction of such property begins'' and inserting ''not later than the date that is 4 years before the date such property is placed in service''.

(d) EFFECTIVE DATE.—

(1) IN GENERAL.—Except as otherwise provided in this subsection, the amendments made by this section shall apply to taxable years beginning after December 31, 2022.

(2) ALTERNATIVE DEDUCTION FOR ENERGY EFFICIENT BUILDING RETROFIT PROPERTY.—Subsection (f) of section 179D of the Internal Revenue Code of 1986 (as amended by this section), and any other provision of such section solely for purposes of applying such subsection, shall apply to property placed in service after December 31, 2022 (in taxable

years ending after such date) if such property is placed in service pursuant to qualified retrofit plan (within the meaning of such section) established after such date.

SEC. 13304. EXTENSION, INCREASE, AND MODIFICATIONS OF NEW ENERGY EFFICIENT HOME CREDIT.

(a) EXTENSION OF CREDIT.—Section 45L(g) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2032''.

(b) INCREASE IN CREDIT AMOUNTS.—Paragraph (2) of section 45L(a) is amended to read as follows:

''(2) APPLICABLE AMOUNT.—For purposes of paragraph (1), the applicable amount is an amount equal to—

''(A) in the case of a dwelling unit which is eligible to participate in the Energy Star Residential New Construction Program or the Energy Star Manufactured New Homes program—

''(i) which meets the requirements of subsection (c)(1)(A) (and which does not meet the requirements of subsection (c)(1)(B)), $2,500, and

''(ii) which meets the requirements of subsection (c)(1)(B), $5,000, and

''(B) in the case of a dwelling unit which is part of a building eligible to participate in the Energy Star Multifamily New Construction Program—

''(i) which meets the requirements of subsection (c)(1)(A) (and which does not meet the requirements of subsection (c)(1)(B)), $500, and

''(ii) which meets the requirements of subsection (c)(1)(B), $1,000.''.

(c) MODIFICATION OF ENERGY SAVING REQUIREMENTS.—Section 45L(c) is amended to read as follows:

''(c) ENERGY SAVING REQUIREMENTS.—

''(1) IN GENERAL.—

''(A) IN GENERAL.—A dwelling unit meets the requirements of this subparagraph if such dwelling unit meets the requirements of paragraph (2) or (3) (whichever is applicable).

''(B) ZERO ENERGY READY HOME PROGRAM.—A dwelling unit meets the requirements of this subparagraph if such dwelling unit is certified as a zero energy ready home under the zero energy ready home program of the Department of Energy as in effect on January 1, 2023 (or any successor program determined by the Secretary).

''(2) SINGLE-FAMILY HOME REQUIREMENTS.—A dwelling unit meets the requirements of this paragraph if—

''(A) such dwelling unit meets—

''(i)(I) in the case of a dwelling unit acquired before January 1, 2025, the Energy Star Single-Family New Homes National Program Requirements 3.1, or

''(II) in the case of a dwelling unit acquired after December 31, 2024, the Energy Star Single-Family New Homes National Program Requirements 3.2, and

''(ii) the most recent Energy Star Single-Family New Homes Program Requirements applicable to the location of such dwelling unit (as in effect on the latter of January 1, 2023, or January 1 of two calendar years prior to the date the dwelling unit was acquired), or

''(B) such dwelling unit meets the most recent Energy Star Manufactured Home National program requirements as in effect on the latter of January 1, 2023, or January 1 of two calendar years prior to the date such dwelling unit is acquired.

''(3) MULTI-FAMILY HOME REQUIREMENTS.—A dwelling unit meets the requirements of this paragraph if—

''(A) such dwelling unit meets the most recent Energy Star Multifamily New Construction National Program Requirements (as in effect on either January 1, 2023, or January 1 of three calendar years prior to the date the dwelling was acquired, whichever is later), and

''(B) such dwelling unit meets the most recent Energy Star Multifamily New Construction Regional Program Requirements applicable to the location of such dwelling unit (as in effect on either January 1, 2023, or January 1 of three calendar years prior to the date the dwelling was acquired, whichever is later).''.

(d) PREVAILING WAGE REQUIREMENT.—Section 45L is amended by redesignating subsection (g) as subsection (h) and by inserting after subsection (f) the following new subsection:

''(g) PREVAILING WAGE REQUIREMENT.—

''(1) IN GENERAL.—In the case of a qualifying residence described in subsection (a)(2)(B) meeting the prevailing wage requirements of paragraph (2)(A), the credit amount allowed with respect to such residence shall be—

''(A) $2,500 in the case of a residence which meets the requirements of subparagraph (A) of subsection (c)(1) (and which does not meet the requirements of subparagraph (B) of such subsection), and

''(B) $5,000 in the case of a residence which meets the requirements of subsection (c)(1)(B).

''(2) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to any qualified residence are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in the construction of such residence shall be paid wages at rates not less than the prevailing rates for construction, alteration, or repair of a similar character in the locality in which such residence is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(3) REGULATIONS AND GUIDANCE.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.''.

(e) BASIS ADJUSTMENT.—Section 45L(e) is amended by inserting after the first sentence the following: ''This subsection shall not apply for purposes of determining the adjusted basis of any building under section 42.''.

(f) EFFECTIVE DATES.—

(1) IN GENERAL.—Except as provided in paragraph (2), the amendments made by this section shall apply to dwelling units acquired after December 31, 2022.

(2) EXTENSION OF CREDIT.—The amendments made by subsection (a) shall apply to dwelling units acquired after December 31, 2021.

PART 4—CLEAN VEHICLES

SEC. 13401. CLEAN VEHICLE CREDIT.

(a) PER VEHICLE DOLLAR LIMITATION.—Section 30D(b) is amended by striking paragraphs (2) and (3) and inserting the following:

''(2) CRITICAL MINERALS.—In the case of a vehicle with respect to which the requirement described in subsection (e)(1)(A) is satisfied, the amount determined under this paragraph is $3,750.

''(3) BATTERY COMPONENTS.—In the case of a vehicle with respect to which the requirement described in subsection (e)(2)(A) is satisfied, the amount determined under this paragraph is $3,750.''.

(b) FINAL ASSEMBLY.—Section 30D(d) is amended—

(1) in paragraph (1)—

(A) in subparagraph (E), by striking ''and'' at the end,

(B) in subparagraph (F)(ii), by striking the period at the end and inserting '', and'', and

(C) by adding at the end the following:

''(G) the final assembly of which occurs within North America.'',

(2) by adding at the end the following:

''(5) FINAL ASSEMBLY.—For purposes of paragraph (1)(G), the term 'final assembly' means the process by which a manufacturer produces a new clean vehicle at, or through the use of, a plant, factory, or other place from which the vehicle is delivered to a dealer or importer with all component parts necessary for the mechanical operation of the vehicle included with the vehicle, whether or not the component parts are permanently installed in or on the vehicle.''.

(c) DEFINITION OF NEW CLEAN VEHICLE.—

(1) IN GENERAL.—Section 30D(d), as amended by the preceding provisions of this section, is amended—

(A) in the heading, by striking ''QUALIFIED PLUG-IN ELECTRIC DRIVE MOTOR'' and inserting ''CLEAN'',

(B) in paragraph (1)—

(i) in the matter preceding subparagraph (A), by striking ''qualified plug-in electric drive motor'' and inserting ''clean'',

(ii) in subparagraph (C), by inserting ''qualified'' before ''manufacturer'',

(iii) in subparagraph (F)—

(I) in clause (i), by striking ''4'' and inserting ''7'', and

(II) in clause (ii), by striking ''and'' at the end,

(iv) in subparagraph (G), by striking the period at the end and inserting '', and'', and

(v) by adding at the end the following:

''(H) for which the person who sells any vehicle to the taxpayer furnishes a report to the taxpayer and to the Secretary, at such time and in such manner as the Secretary shall provide, containing—

''(i) the name and taxpayer identification number of the taxpayer,

''(ii) the vehicle identification number of the vehicle, unless, in accordance with any applicable rules promulgated by the Secretary of Transportation, the vehicle is not assigned such a number,

''(iii) the battery capacity of the vehicle,

''(iv) verification that original use of the vehicle commences with the taxpayer, and

''(v) the maximum credit under this section allowable to the taxpayer with respect to the vehicle.'',

(C) in paragraph (3)—

(i) in the heading, by striking ''MANUFACTURER'' and inserting ''QUALIFIED MANUFACTURER'',

(ii) by striking ''The term 'manufacturer' has the meaning given such term in'' and inserting ''The term 'qualified manufacturer' means any manufacturer (within the meaning of the'', and

(iii) by inserting '') which enters into a written agreement with the Secretary under which such manufacturer agrees to make periodic written reports to the Secretary (at such times and in such manner as the Secretary may provide) providing vehicle identification numbers and such other information related to each vehicle manufactured by such manufacturer as the Secretary may require'' before the period at the end, and

(D) by adding at the end the following:

''(6) NEW QUALIFIED FUEL CELL MOTOR VEHICLE.—For purposes of this section, the term 'new clean vehicle' shall include any new qualified fuel cell motor vehicle (as defined in section 30B(b)(3)) which meets the requirements under subparagraphs (G) and (H) of paragraph (1).''.

(2) CONFORMING AMENDMENTS.—Section 30D is amended—

(A) in subsection (a), by striking ''new qualified plug-in electric drive motor vehicle'' and inserting ''new clean vehicle'', and

(B) in subsection (b)(1), by striking ''new qualified plug-in electric drive motor vehicle'' and inserting ''new clean vehicle''.

(d) ELIMINATION OF LIMITATION ON NUMBER OF VEHICLES ELIGIBLE FOR CREDIT.—Section 30D is amended by striking subsection (e).

(e) CRITICAL MINERAL AND BATTERY COMPONENT REQUIREMENTS.—

(1) IN GENERAL.—Section 30D, as amended by the preceding provisions of this section, is amended by inserting after subsection (d) the following:

''(e) CRITICAL MINERAL AND BATTERY COMPONENT REQUIREMENTS.—

''(1) CRITICAL MINERALS REQUIREMENT.—

''(A) IN GENERAL.—The requirement described in this subparagraph with respect to a vehicle is that, with respect to the battery from which the electric motor of such vehicle draws electricity, the percentage of the value of the applicable critical minerals (as defined in section 45X(c)(6)) contained in such battery that were—

''(i) extracted or processed—

''(I) in the United States, or

''(II) in any country with which the United States has a free trade agreement in effect, or

''(ii) recycled in North America,

is equal to or greater than the applicable percentage (as certified by the qualified manufacturer, in such form or manner as prescribed by the Secretary).

''(B) APPLICABLE PERCENTAGE.—For purposes of subparagraph (A), the applicable percentage shall be—

''(i) in the case of a vehicle placed in service after the date on which the proposed guidance described in paragraph (3)(B) is issued by the Secretary and before January 1, 2024, 40 percent,

''(ii) in the case of a vehicle placed in service during calendar year 2024, 50 percent,

''(iii) in the case of a vehicle placed in service during calendar year 2025, 60 percent,

''(iv) in the case of a vehicle placed in service during calendar year 2026, 70 percent, and

''(v) in the case of a vehicle placed in service after December 31, 2026, 80 percent.

''(2) BATTERY COMPONENTS.—

''(A) IN GENERAL.—The requirement described in this subparagraph with respect to a vehicle is that, with respect to the battery from which the electric motor of such vehicle draws electricity, the percentage of the value of the components contained in such battery that were manufactured or assembled in North America is equal to or greater than the applicable percentage (as certified by the qualified manufacturer, in such form or manner as prescribed by the Secretary).

''(B) APPLICABLE PERCENTAGE.—For purposes of subparagraph (A), the applicable percentage shall be—

''(i) in the case of a vehicle placed in service after the date on which the proposed guidance described in paragraph (3)(B) is issued by the Secretary and before January 1, 2024, 50 percent,

''(ii) in the case of a vehicle placed in service during calendar year 2024 or 2025, 60 percent,

''(iii) in the case of a vehicle placed in service during calendar year 2026, 70 percent,

''(iv) in the case of a vehicle placed in service during calendar year 2027, 80 percent,

''(v) in the case of a vehicle placed in service during calendar year 2028, 90 percent,

''(vi) in the case of a vehicle placed in service after December 31, 2028, 100 percent.

''(3) REGULATIONS AND GUIDANCE.—

''(A) IN GENERAL.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.

''(B) DEADLINE FOR PROPOSED GUIDANCE.—Not later than December 31, 2022, the Secretary shall issue proposed guidance with respect to the requirements under this subsection.''.

(2) EXCLUDED ENTITIES.—Section 30D(d), as amended by the preceding provisions of this section, is amended by adding at the end the following:

''(7) EXCLUDED ENTITIES.—For purposes of this section, the term 'new clean vehicle' shall not include—

''(A) any vehicle placed in service after December 31, 2024, with respect to which any of the applicable critical minerals contained in the battery of such vehicle (as described in subsection (e)(1)(A)) were extracted, processed, or recycled by a foreign entity of concern (as defined in section 40207(a)(5) of the Infrastructure Investment and Jobs Act (42 U.S.C. 18741(a)(5))), or

''(B) any vehicle placed in service after December 31, 2023, with respect to which any of the components contained in the battery of such vehicle (as described in subsection (e)(2)(A)) were manufactured or assembled by a foreign entity of concern (as so defined).''.

(f) SPECIAL RULES.—Section 30D(f) is amended by adding at the end the following:

''(8) ONE CREDIT PER VEHICLE.—In the case of any vehicle, the credit described in subsection (a) shall only be allowed once with respect to such vehicle, as determined based upon the vehicle identification number of such vehicle.

''(9) VIN REQUIREMENT.—No credit shall be allowed under this section with respect to any vehicle unless the taxpayer includes the vehicle identification number of such vehicle on the return of tax for the taxable year.

''(10) LIMITATION BASED ON MODIFIED ADJUSTED GROSS INCOME.—

''(A) IN GENERAL.—No credit shall be allowed under subsection (a) for any taxable year if—

''(i) the lesser of—

''(I) the modified adjusted gross income of the taxpayer for such taxable year, or

''(II) the modified adjusted gross income of the taxpayer for the preceding taxable year, exceeds

''(ii) the threshold amount.

''(B) THRESHOLD AMOUNT.—For purposes of subparagraph (A)(ii), the threshold amount shall be—

''(i) in the case of a joint return or a surviving spouse (as defined in section 2(a)), $300,000,

''(ii) in the case of a head of household (as defined in section 2(b)), $225,000, and

''(iii) in the case of a taxpayer not described in clause (i) or (ii), $150,000.

''(C) MODIFIED ADJUSTED GROSS INCOME.—For purposes of this paragraph, the term 'modified adjusted gross income' means adjusted gross income increased by any amount excluded from gross income under section 911, 931, or 933.

''(11) MANUFACTURER'S SUGGESTED RETAIL PRICE LIMITATION.—

''(A) IN GENERAL.—No credit shall be allowed under subsection (a) for a vehicle with a manufacturer's suggested retail price in excess of the applicable limitation.

''(B) APPLICABLE LIMITATION.—For purposes of subparagraph (A), the applicable limitation for each vehicle classification is as follows:

''(i) VANS.—In the case of a van, $80,000.

''(ii) SPORT UTILITY VEHICLES.—In the case of a sport utility vehicle, $80,000.

''(iii) PICKUP TRUCKS.—In the case of a pickup truck, $80,000.

''(iv) OTHER.—In the case of any other vehicle, $55,000.

''(C) REGULATIONS AND GUIDANCE.—For purposes of this paragraph, the Secretary shall prescribe such regulations or other guidance as the Secretary determines necessary for determining vehicle classifications using criteria similar to that employed by the Environmental Protection Agency and the Department of the Energy to determine size and class of vehicles.''.

(g) TRANSFER OF CREDIT.—

(1) IN GENERAL.—Section 30D is amended by striking subsection (g) and inserting the following:

''(g) TRANSFER OF CREDIT.—

''(1) IN GENERAL.—Subject to such regulations or other guidance as the Secretary determines necessary, if the taxpayer who acquires a new clean vehicle elects the application of this subsection with respect to such vehicle, the credit which would (but for this subsection) be allowed to such taxpayer with respect to such vehicle shall be allowed to the eligible entity specified in such election (and not to such taxpayer).

''(2) ELIGIBLE ENTITY.—For purposes of this subsection, the term 'eligible entity' means, with respect to the vehicle for which the credit is allowed under subsection (a), the dealer which sold such vehicle to the taxpayer and has—

''(A) subject to paragraph (4), registered with the Secretary for purposes of this paragraph, at such time, and in such form and manner, as the Secretary may prescribe,

''(B) prior to the election described in paragraph (1) and not later than at the time of such sale, disclosed to the taxpayer purchasing such vehicle—

''(i) the manufacturer's suggested retail price,

''(ii) the value of the credit allowed and any other incentive available for the purchase of such vehicle, and

''(iii) the amount provided by the dealer to such taxpayer as a condition of the election described in paragraph (1),

''(C) not later than at the time of such sale, made payment to such taxpayer (whether in cash or in the form of a partial payment or down payment for the purchase of such vehicle) in an amount equal to the credit otherwise allowable to such taxpayer, and

''(D) with respect to any incentive otherwise available for the purchase of a vehicle for which a credit is allowed under this section, including any incentive in the form of a rebate or discount provided by the dealer or manufacturer, ensured that—

''(i) the availability or use of such incentive shall not limit the ability of a taxpayer to make an election described in paragraph (1), and

''(ii) such election shall not limit the value or use of such incentive.

''(3) TIMING.—An election described in paragraph (1) shall be made by the taxpayer not later than the date on which the vehicle for which the credit is allowed under subsection (a) is purchased.

''(4) REVOCATION OF REGISTRATION.—Upon determination by the Secretary that a dealer has failed to comply with the requirements described in paragraph (2), the Secretary may revoke the registration (as described in subparagraph (A) of such paragraph) of such dealer.

''(5) TAX TREATMENT OF PAYMENTS.—With respect to any payment described in paragraph (2)(C), such payment—

''(A) shall not be includible in the gross income of the taxpayer, and

''(B) with respect to the dealer, shall not be deductible under this title.

''(6) APPLICATION OF CERTAIN OTHER REQUIREMENTS.—In the case of any election under paragraph (1) with respect to any vehicle—

''(A) the requirements of paragraphs (1) and (2) of subsection (f) shall apply to the taxpayer who acquired the vehicle in the same manner as if the credit determined under this section with respect to such vehicle were allowed to such taxpayer,

''(B) paragraph (6) of such subsection shall not apply, and

''(C) the requirement of paragraph (9) of such subsection (f) shall be treated as satisfied if the eligible entity provides the vehicle identification number of such vehicle to the Secretary in such manner as the Secretary may provide.

''(7) ADVANCE PAYMENT TO REGISTERED DEALERS.—

''(A) IN GENERAL.—The Secretary shall establish a program to make advance payments to any eligible entity in an amount equal to the cumulative amount of the credits allowed under subsection (a) with respect to any vehicles sold by such entity for which an election described in paragraph (1) has been made.

''(B) EXCESSIVE PAYMENTS.—Rules similar to the rules of section 6417(d)(6) shall apply for purposes of this paragraph.

''(C) TREATMENT OF ADVANCE PAYMENTS.—For purposes of section 1324 of title 31, United States Code, the payments under subparagraph (A) shall be treated in the same manner as a refund due from a credit provision referred to in subsection (b)(2) of such section.

''(8) DEALER.—For purposes of this subsection, the term 'dealer' means a person licensed by a State, the District of Columbia, the Commonwealth of Puerto Rico, any other territory or possession of the United States, an Indian tribal government, or any Alaska Native Corporation (as defined in section 3 of the Alaska Native Claims Settlement Act (43 U.S.C. 1602(m)) to engage in the sale of vehicles.

''(9) INDIAN TRIBAL GOVERNMENT.—For purposes of this subsection, the term 'Indian tribal government' means the recognized governing body of any Indian or Alaska Native tribe, band, nation, pueblo, village, community, component band, or component reservation, individually identified (including parenthetically) in the list published most recently as of the date of enactment of this subsection pursuant to section 104 of the Federally Recognized Indian Tribe List Act of 1994 (25 U.S.C. 5131).

''(10) RECAPTURE.—In the case of any taxpayer who has made an election described in paragraph (1) with respect to a new clean vehicle and received a payment described in paragraph (2)(C) from an eligible entity, if the credit under subsection (a) would otherwise (but for this subsection) not be allowable to such taxpayer pursuant to the application of subsection (f)(10), the tax imposed on such taxpayer under this chapter for the taxable year in which such vehicle was placed in service shall be increased by the amount of the payment received by such taxpayer.''.

(2) CONFORMING AMENDMENTS.—Section 30D, as amended by the preceding provisions of this section, is amended—

(A) in subsection (d)(1)(H) of such section—

(i) in clause (iv), by striking ''and'' at the end,

(ii) in clause (v), by striking the period at the end and inserting '', and'', and

(iii) by adding at the end the following:

''(vi) in the case of a taxpayer who makes an election under subsection (g)(1), any amount described in subsection (g)(2)(C) which has been provided to such taxpayer.'', and

(B) in subsection (f)—

(i) by striking paragraph (3), and

(ii) in paragraph (8), by inserting '', including any vehicle with respect to which the taxpayer elects the application of subsection (g)'' before the period at the end.

(h) TERMINATION.—Section 30D is amended by adding at the end the following:

''(h) TERMINATION.—No credit shall be allowed under this section with respect to any vehicle placed in service after December 31, 2032.''.

(i) ADDITIONAL CONFORMING AMENDMENTS.—

(1) The heading of section 30D is amended by striking ''**NEW QUALIFIED PLUG-IN ELECTRIC DRIVE MOTOR VEHICLES**'' and inserting ''**CLEAN VEHICLE CREDIT**''.

(2) Section 30B is amended—

(A) in subsection (h)(8), by striking '', except that no benefit shall be recaptured if such property ceases to be eligible for such credit by reason of conversion to a qualified plug-in electric drive motor vehicle'', and

(B) by striking subsection (i).

(3) Section 38(b)(30) is amended by striking ''qualified plug-in electric drive motor'' and inserting ''clean''.

(4) Section 6213(g)(2), as amended by the preceding provisions of this Act, is amended—

(A) in subparagraph (R), by striking ''and'' at the end,

(B) in subparagraph (S), by striking the period at the end and inserting '', and'', and

(C) by inserting after subparagraph (S) the following:

''(T) an omission of a correct vehicle identification number required under section 30D(f)(9) (relating to credit for new clean vehicles) to be included on a return.''.

(5) Section 6501(m) is amended by striking ''30D(e)(4)'' and inserting ''30D(f)(6)''.

(6) The table of sections for subpart B of part IV of subchapter A of chapter 1 is amended by striking the item relating to section 30D and inserting after the item relating to section 30C the following item:

''Sec. 30D. Clean vehicle credit.''.

(j) GROSS-UP OF DIRECT SPENDING.—Beginning in fiscal year 2023 and each fiscal year thereafter, the portion of any credit allowed to an eligible entity (as defined in section 30D(g)(2) of the Internal Revenue Code of 1986) pursuant to an election made under section 30D(g) of the Internal Revenue Code of 1986 that is direct spending shall be increased by 6.0445 percent.

(k) EFFECTIVE DATES.—

(1) IN GENERAL.—Except as provided in paragraphs (2), (3), (4), and (5), the amendments made by this section shall apply to vehicles placed in service after December 31, 2022.

(2) FINAL ASSEMBLY.—The amendments made by subsection (b) shall apply to vehicles sold after the date of enactment of this Act.

(3) PER VEHICLE DOLLAR LIMITATION AND RELATED REQUIREMENTS.—The amendments made by subsections (a) and (e) shall apply to vehicles placed in service after the date on which the proposed guidance described in paragraph (3)(B) of section 30D(e) of the Internal Revenue Code of 1986 (as added by subsection (e)) is issued by the Secretary of the Treasury (or the Secretary's delegate).

(4) TRANSFER OF CREDIT.—The amendments made by subsection (g) shall apply to vehicles placed in service after December 31, 2023.

(5) ELIMINATION OF MANUFACTURER LIMITATION.—The amendment made by subsection (d) shall apply to vehicles sold after December 31, 2022.

(l) TRANSITION RULE.—Solely for purposes of the application of section 30D of the Internal Revenue Code of 1986, in the case of a taxpayer that—

(1) after December 31, 2021, and before the date of enactment of this Act, purchased, or entered into a written binding contract to purchase, a new qualified plug-in electric drive motor vehicle (as defined in section 30D(d)(1) of the Internal Revenue Code of 1986, as in effect on the day before the date of enactment of this Act), and

(2) placed such vehicle in service on or after the date of enactment of this Act,

such taxpayer may elect (at such time, and in such form and manner, as the Secretary of the Treasury, or the Secretary's delegate, may prescribe) to treat such vehicle as having been placed in service on the day before the date of enactment of this Act.

SEC. 13402. CREDIT FOR PREVIOUSLY-OWNED CLEAN VEHICLES.

(a) IN GENERAL.—Subpart A of part IV of subchapter A of chapter 1 is amended by inserting after section 25D the following new section:

''SEC. 25E. PREVIOUSLY-OWNED CLEAN VEHICLES.

''(a) ALLOWANCE OF CREDIT.—In the case of a qualified buyer who during a taxable year places in service a previously-owned clean vehicle, there shall be allowed as a credit against the tax imposed by this chapter for the taxable year an amount equal to the lesser of—

''(1) $4,000, or

''(2) the amount equal to 30 percent of the sale price with respect to such vehicle.

''(b) LIMITATION BASED ON MODIFIED ADJUSTED GROSS INCOME.—

''(1) IN GENERAL.—No credit shall be allowed under subsection (a) for any taxable year if—

''(A) the lesser of—

''(i) the modified adjusted gross income of the taxpayer for such taxable year, or

''(ii) the modified adjusted gross income of the taxpayer for the preceding taxable year, exceeds

''(B) the threshold amount.

''(2) THRESHOLD AMOUNT.—For purposes of paragraph (1)(B), the threshold amount shall be—

''(A) in the case of a joint return or a surviving spouse (as defined in section 2(a)), $150,000,

''(B) in the case of a head of household (as defined in section 2(b)), $112,500, and

''(C) in the case of a taxpayer not described in subparagraph (A) or (B), $75,000.

''(3) MODIFIED ADJUSTED GROSS INCOME.—For purposes of this subsection, the term 'modified adjusted gross income' means adjusted gross income increased by any amount excluded from gross income under section 911, 931, or 933.

''(c) DEFINITIONS.—For purposes of this section—

''(1) PREVIOUSLY-OWNED CLEAN VEHICLE.—The term 'previously-owned clean vehicle' means, with respect to a taxpayer, a motor vehicle—

''(A) the model year of which is at least 2 years earlier than the calendar year in which the taxpayer acquires such vehicle,

''(B) the original use of which commences with a person other than the taxpayer,

''(C) which is acquired by the taxpayer in a qualified sale, and

''(D) which—

''(i) meets the requirements of subparagraphs (C), (D), (E), (F), and (H) (except for clause (iv) thereof) of section 30D(d)(1), or

''(ii) is a motor vehicle which—

''(I) satisfies the requirements under subparagraphs (A) and (B) of section 30B(b)(3), and

''(II) has a gross vehicle weight rating of less than 14,000 pounds.

''(2) QUALIFIED SALE.—The term 'qualified sale' means a sale of a motor vehicle—

''(A) by a dealer (as defined in section 30D(g)(8)),

''(B) for a sale price which does not exceed $25,000, and

''(C) which is the first transfer since the date of the enactment of this section to a qualified buyer other than the person with whom the original use of such vehicle commenced.

''(3) QUALIFIED BUYER.—The term 'qualified buyer' means, with respect to a sale of a motor vehicle, a taxpayer—

''(A) who is an individual,

''(B) who purchases such vehicle for use and not for resale,

''(C) with respect to whom no deduction is allowable with respect to another taxpayer under section 151, and

''(D) who has not been allowed a credit under this section for any sale during the 3-year period ending on the date of the sale of such vehicle.

''(4) MOTOR VEHICLE; CAPACITY.—The terms 'motor vehicle' and 'capacity' have the meaning given such terms in paragraphs (2) and (4) of section 30D(d), respectively.

''(d) VIN NUMBER REQUIREMENT.—No credit shall be allowed under subsection (a) with respect to any vehicle unless the taxpayer includes the vehicle identification number of such vehicle on the return of tax for the taxable year.

''(e) APPLICATION OF CERTAIN RULES.—For purposes of this section, rules similar to the rules of section 30D(f) (without regard to paragraph (10) or (11) thereof) shall apply for purposes of this section.

''(f) TERMINATION.—No credit shall be allowed under this section with respect to any vehicle acquired after December 31, 2032.''.

(b) TRANSFER OF CREDIT.—Section 25E, as added by subsection (a), is amended—

(1) by redesignating subsection (f) as subsection (g), and

(2) by inserting after subsection (e) the following:

''(f) TRANSFER OF CREDIT.—Rules similar to the rules of section 30D(g) shall apply.''.

(c) CONFORMING AMENDMENTS.—Section 6213(g)(2), as amended by the preceding provisions of this Act, is amended—

(1) in subparagraph (S), by striking ''and'' at the end,

(2) in subparagraph (T), by striking the period at the end and inserting '', and'', and

(3) by inserting after subparagraph (T) the following:

''(U) an omission of a correct vehicle identification number required under section 25E(d) (relating to credit for previously-owned clean vehicles) to be included on a return.''.

(d) CLERICAL AMENDMENT.—The table of sections for subpart A of part IV of subchapter A of chapter 1 is amended by inserting after the item relating to section 25D the following new item:

''Sec. 25E. Previously-owned clean vehicles.''.

(e) EFFECTIVE DATE.—

(1) IN GENERAL.—Except as provided in paragraph (2), the amendments made by this section shall apply to vehicles acquired after December 31, 2022.

(2) TRANSFER OF CREDIT.—The amendments made by subsection (b) shall apply to vehicles acquired after December 31, 2023.

SEC. 13403. QUALIFIED COMMERCIAL CLEAN VEHICLES.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new section:

''SEC. 45W. CREDIT FOR QUALIFIED COMMERCIAL CLEAN VEHICLES.

''(a) IN GENERAL.—For purposes of section 38, the qualified commercial clean vehicle credit for any taxable year is an amount equal to the sum of the credit amounts determined under subsection (b) with respect to each qualified commercial clean vehicle placed in service by the taxpayer during the taxable year.

''(b) PER VEHICLE AMOUNT.—

''(1) IN GENERAL.—Subject to paragraph (4), the amount determined under this subsection with respect to any qualified commercial clean vehicle shall be equal to the lesser of—

''(A) 15 percent of the basis of such vehicle (30 percent in the case of a vehicle not powered by a gasoline or diesel internal combustion engine), or

''(B) the incremental cost of such vehicle.

''(2) INCREMENTAL COST.—For purposes of paragraph (1)(B), the incremental cost of any qualified commercial clean vehicle is an amount equal to the excess of the purchase price for such vehicle over such price of a comparable vehicle.

''(3) COMPARABLE VEHICLE.—For purposes of this subsection, the term 'comparable vehicle' means, with respect to any qualified commercial clean vehicle, any vehicle which is powered solely by a gasoline or diesel internal combustion engine and which is comparable in size and use to such vehicle.

''(4) LIMITATION.—The amount determined under this subsection with respect to any qualified commercial clean vehicle shall not exceed—

''(A) in the case of a vehicle which has a gross vehicle weight rating of less than 14,000 pounds, $7,500, and

''(B) in the case of a vehicle not described in subparagraph (A), $40,000.

''(c) QUALIFIED COMMERCIAL CLEAN VEHICLE.—For purposes of this section, the term 'qualified commercial clean vehicle' means any vehicle which—

''(1) meets the requirements of section 30D(d)(1)(C) and is acquired for use or lease by the taxpayer and not for resale,

''(2) either—

''(A) meets the requirements of subparagraph (D) of section 30D(d)(1) and is manufactured primarily for use on public streets, roads, and highways (not including a vehicle operated exclusively on a rail or rails), or

''(B) is mobile machinery, as defined in section 4053(8) (including vehicles that are not designed to perform a function of transporting a load over the public highways),

''(3) either—

''(A) is propelled to a significant extent by an electric motor which draws electricity from a battery which has a capacity of not less than 15 kilowatt hours (or, in the case of a vehicle which has a gross vehicle weight rating of less than 14,000 pounds, 7 kilowatt hours) and is capable of being recharged from an external source of electricity, or

''(B) is a motor vehicle which satisfies the requirements under subparagraphs (A) and (B) of section 30B(b)(3), and

''(4) is of a character subject to the allowance for depreciation.

''(d) SPECIAL RULES.—

''(1) IN GENERAL.—Rules similar to the rules under subsection (f) of section 30D (without regard to paragraph (10) or (11) thereof) shall apply for purposes of this section.

''(2) VEHICLES PLACED IN SERVICE BY TAX-EXEMPT ENTITIES.—Subsection (c)(4) shall not apply to any vehicle which is not subject to a lease and which is placed in service by a tax-exempt entity described in clause (i), (ii), or (iv) of section 168(h)(2)(A).

''(3) NO DOUBLE BENEFIT.—No credit shall be allowed under this section with respect to any vehicle for which a credit was allowed under section 30D.

''(e) VIN NUMBER REQUIREMENT.—No credit shall be determined under subsection (a) with respect to any vehicle unless the taxpayer includes the vehicle identification number of such vehicle on the return of tax for the taxable year.

''(f) REGULATIONS AND GUIDANCE.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this section, including regulations or other guidance relating to determination of the incremental cost of any qualified commercial clean vehicle.

''(g) TERMINATION.—No credit shall be determined under this section with respect to any vehicle acquired after December 31, 2032.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 38(b), as amended by the preceding provisions of this Act, is amended—

(A) in paragraph (35), by striking ''plus'' at the end,

(B) in paragraph (36), by striking the period at the end and inserting '', plus'', and

(C) by adding at the end the following new paragraph:

''(37) the qualified commercial clean vehicle credit determined under section 45W.''.

(2) Section 6213(g)(2), as amended by the preceding provisions of this Act, is amended—

(A) in subparagraph (T), by striking ''and'' at the end,

(B) in subparagraph (U), by striking the period at the end and inserting '', and'', and

(C) by inserting after subparagraph (U) the following:

''(V) an omission of a correct vehicle identification number required under section 45W(e) (relating to commercial clean vehicle credit) to be included on a return.''.

(3) The table of sections for subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new item:

''Sec. 45W. Qualified commercial clean vehicle credit.''.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to vehicles acquired after December 31, 2022.

SEC. 13404. ALTERNATIVE FUEL REFUELING PROPERTY CREDIT.

(a) IN GENERAL.—Section 30C(g) is amended by striking ''December 31, 2021'' and inserting ''December 31, 2032''.

(b) CREDIT FOR PROPERTY OF A CHARACTER SUBJECT TO DEPRECIATION.—

(1) IN GENERAL.—Section 30C(a) is amended by inserting ''(6 percent in the case of property of a character subject to depreciation)'' after ''30 percent''.

(2) MODIFICATION OF CREDIT LIMITATION.—Subsection (b) of section 30C is amended—

(A) in the matter preceding paragraph (1)—

(i) by striking ''with respect to all'' and inserting ''with respect to any single item of'', and

(ii) by striking ''at a location'', and

(B) in paragraph (1), by striking ''$30,000 in the case of a property'' and inserting ''$100,000 in the case of any such item of property''.

(3) BIDIRECTIONAL CHARGING EQUIPMENT INCLUDED AS QUALIFIED ALTERNATIVE FUEL VEHICLE REFUELING PROPERTY.—Section 30C(c) is amended to read as follows:

''(c) QUALIFIED ALTERNATIVE FUEL VEHICLE REFUELING PROPERTY.—For purposes of this section—

''(1) IN GENERAL.—The term 'qualified alternative fuel vehicle refueling property' has the same meaning as the term 'qualified clean-fuel vehicle refueling property' would have under section 179A if—

''(A) paragraph (1) of section 179A(d) did not apply to property installed on property which is used as the principal residence

(within the meaning of section 121) of the taxpayer, and

''(B) only the following were treated as clean-burning fuels for purposes of section 179A(d):

''(i) Any fuel at least 85 percent of the volume of which consists of one or more of the following: ethanol, natural gas, compressed natural gas, liquified natural gas, liquefied petroleum gas, or hydrogen.

''(ii) Any mixture—

''(I) which consists of two or more of the following: biodiesel (as defined in section 40A(d)(1)), diesel fuel (as defined in section 4083(a)(3)), or kerosene, and

''(II) at least 20 percent of the volume of which consists of biodiesel (as so defined) determined without regard to any kerosene in such mixture.

''(iii) Electricity.

''(2) BIDIRECTIONAL CHARGING EQUIPMENT.—Property shall not fail to be treated as qualified alternative fuel vehicle refueling property solely because such property—

''(A) is capable of charging the battery of a motor vehicle propelled by electricity, and

''(B) allows discharging electricity from such battery to an electric load external to such motor vehicle.''.

(c) CERTAIN ELECTRIC CHARGING STATIONS INCLUDED AS QUALIFIED ALTERNATIVE FUEL VEHICLE REFUELING PROPERTY.—Section 30C is amended by redesignating subsections (f) and (g) as subsections (g) and (h), respectively, and by inserting after subsection (e) the following:

''(f) SPECIAL RULE FOR ELECTRIC CHARGING STATIONS FOR CERTAIN VEHICLES WITH 2 OR 3 WHEELS.—For purposes of this section—

''(1) IN GENERAL.—The term 'qualified alternative fuel vehicle refueling property' includes any property described in subsection (c) for the recharging of a motor vehicle described in paragraph (2), but only if such property—

''(A) meets the requirements of subsection (a)(2), and

''(B) is of a character subject to depreciation.

''(2) MOTOR VEHICLE.—A motor vehicle is described in this paragraph if the motor vehicle—

''(A) is manufactured primarily for use on public streets, roads, or highways (not including a vehicle operated exclusively on a rail or rails),

''(B) has 2 or 3 wheels, and

''(C) is propelled by electricity.''.

(d) WAGE AND APPRENTICESHIP REQUIREMENTS.—Section 30C, as amended by this section, is further amended by redesignating subsections (g) and (h) as subsections (h) and (i) and by inserting after subsection (f) the following new subsection:

''(g) WAGE AND APPRENTICESHIP REQUIREMENTS.—

''(1) INCREASED CREDIT AMOUNT.—

''(A) IN GENERAL.—In the case of any qualified alternative fuel vehicle refueling project which satisfies the requirements of subparagraph (C), the amount of the credit determined under subsection (a) for any qualified alternative fuel vehicle refueling property of a character subject to an allowance for depreciation which is part of such project shall be equal to such amount (determined without regard to this sentence) multiplied by 5.

''(B) QUALIFIED ALTERNATIVE FUEL VEHICLE REFUELING PROJECT.—For purposes of this subsection, the term 'qualified alternative fuel vehicle refueling project' means a project consisting of one or more properties that are part of a single project.

''(C) PROJECT REQUIREMENTS.—A project meets the requirements of this subparagraph if it is one of the following:

''(i) A project the construction of which begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (2)(A) and (3).

''(ii) A project which satisfies the requirements of paragraphs (2)(A) and (3).

''(2) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to any qualified alternative fuel vehicle refueling project are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in the construction of any qualified alternative fuel vehicle refueling property which is part of such project shall be paid wages at rates not less than the prevailing rates for construction, alteration, or repair of a similar character in the locality in which such project is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(3) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(4) REGULATIONS AND GUIDANCE.—The Secretary shall issue such regulations or other guidance as the Secretary determines necessary to carry out the purposes of this subsection, including regulations or other guidance which provides for requirements for recordkeeping or information reporting for purposes of administering the requirements of this subsection.''.

(e) ELIGIBLE CENSUS TRACTS.—Subsection (c) of section 30C, as amended by subsection (b)(3), is amended by adding at the end the following:

''(3) PROPERTY REQUIRED TO BE LOCATED IN ELIGIBLE CENSUS TRACTS.—

''(A) IN GENERAL.—Property shall not be treated as qualified alternative fuel vehicle refueling property unless such property is placed in service in an eligible census tract.

''(B) ELIGIBLE CENSUS TRACT.—

''(i) IN GENERAL.—For purposes of this paragraph, the term 'eligible census tract' means any population census tract which—

''(I) is described in section 45D(e), or

''(II) is not an urban area.

''(ii) URBAN AREA.—For purposes of clause (i)(II), the term 'urban area' means a census tract (as defined by the Bureau of the Census) which, according to the most recent decennial census, has been designated as an urban area by the Secretary of Commerce.''.

(f) EFFECTIVE DATE.—

(1) IN GENERAL.—Except as provided in paragraph (2), the amendments made by this section shall apply to property placed in service after December 31, 2022.

(2) EXTENSION.—The amendments made by subsection (a) shall apply to property placed in service after December 31, 2021.

PART 5—INVESTMENT IN CLEAN ENERGY MANUFACTURING AND ENERGY SECURITY

SEC. 13501. EXTENSION OF THE ADVANCED ENERGY PROJECT CREDIT.

(a) EXTENSION OF CREDIT.—Section 48C is amended by redesignating subsection (e) as subsection (f) and by inserting after subsection (d) the following new subsection:

''(e) ADDITIONAL ALLOCATIONS.—

''(1) IN GENERAL.—Not later than 180 days after the date of enactment of this subsection, the Secretary shall establish a program to consider and award certifications for qualified investments eligible for credits under this section to qualifying advanced energy project sponsors.

''(2) LIMITATION.—The total amount of credits which may be allocated under the program established under paragraph (1) shall not exceed $10,000,000,000, of which not greater than $6,000,000,000 may be allocated to qualified investments which are not located within a census tract which—

''(A) is described in clause (iii) of section 45(b)(11)(B), and

''(B) prior to the date of enactment of this subsection, had no project which received a certification and allocation of credits under subsection (d).

''(3) CERTIFICATIONS.—

''(A) APPLICATION REQUIREMENT.—Each applicant for certification under this subsection shall submit an application at such time and containing such information as the Secretary may require.

''(B) TIME TO MEET CRITERIA FOR CERTIFICATION.—Each applicant for certification shall have 2 years from the date of acceptance by the Secretary of the application during which to provide to the Secretary evidence that the requirements of the certification have been met.

''(C) PERIOD OF ISSUANCE.—An applicant which receives a certification shall have 2 years from the date of issuance of the certification in order to place the project in service and to notify the Secretary that such project has been so placed in service, and if such project is not placed in service by that time period, then the certification shall no longer be valid. If any certification is revoked under this subparagraph, the amount of the limitation under paragraph (2) shall be increased by the amount of the credit with respect to such revoked certification.

''(D) LOCATION OF PROJECT.—In the case of an applicant which receives a certification, if the Secretary determines that the project has been placed in service at a location which is materially different than the location specified in the application for such project, the certification shall no longer be valid.

''(4) CREDIT RATE CONDITIONED UPON WAGE AND APPRENTICESHIP REQUIREMENTS.—

''(A) BASE RATE.—For purposes of allocations under this subsection, the amount of the credit determined under subsection (a) shall be determined by substituting '6 percent' for '30 percent'.

''(B) ALTERNATIVE RATE.—In the case of any project which satisfies the requirements of paragraphs (5)(A) and (6), subparagraph (A) shall not apply.

''(5) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—The requirements described in this subparagraph with respect to a project are that the taxpayer shall ensure that any laborers and mechanics employed by the taxpayer or any contractor or subcontractor in the re-equipping, expansion, or establishment of a manufacturing facility shall be paid wages at rates not less than the prevailing rates for construction, alteration, or repair of a similar character in the locality in which such project is located as most recently determined by the Secretary of Labor, in accordance with subchapter IV of chapter 31 of title 40, United States Code.

''(B) CORRECTION AND PENALTY RELATED TO FAILURE TO SATISFY WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7)(B) shall apply.

''(6) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(7) DISCLOSURE OF ALLOCATIONS.—The Secretary shall, upon making a certification under this subsection, publicly disclose the identity of the applicant and the amount of the credit with respect to such applicant.''.

(b) MODIFICATION OF QUALIFYING ADVANCED ENERGY PROJECTS.—Section 48C(c)(1)(A) is amended—

(1) by inserting '', any portion of the qualified investment of which is certified by the

Secretary under subsection (e) as eligible for a credit under this section'' after ''means a project'',

(2) in clause (i)—

(A) by striking ''a manufacturing facility for the production of'' and inserting ''an industrial or manufacturing facility for the production or recycling of'',

(B) in clause (I), by inserting ''water,'' after ''sun,'',

(C) in clause (II), by striking ''an energy storage system for use with electric or hybrid-electric motor vehicles'' and inserting ''energy storage systems and components'',

(D) in clause (III), by striking ''grids to support the transmission of intermittent sources of renewable energy, including storage of such energy'' and inserting ''grid modernization equipment or components'',

(E) in subclause (IV), by striking ''and sequester carbon dioxide emissions'' and inserting '', remove, use, or sequester carbon oxide emissions'',

(F) by striking subclause (V) and inserting the following:

''(V) equipment designed to refine, electrolyze, or blend any fuel, chemical, or product which is—

''(aa) renewable, or

''(bb) low-carbon and low-emission,'',

(G) by striking subclause (VI),

(H) by redesignating subclause (VII) as subclause (IX),

(I) by inserting after subclause (V) the following new subclauses:

''(VI) property designed to produce energy conservation technologies (including residential, commercial, and industrial applications),

''(VII) light-, medium-, or heavy-duty electric or fuel cell vehicles, as well as—

''(aa) technologies, components, or materials for such vehicles, and

''(bb) associated charging or refueling infrastructure,

''(VIII) hybrid vehicles with a gross vehicle weight rating of not less than 14,000 pounds, as well as technologies, components, or materials for such vehicles, or'', and

(J) in subclause (IX), as so redesignated, by striking ''and'' at the end, and

(3) by striking clause (ii) and inserting the following:

''(ii) which re-equips an industrial or manufacturing facility with equipment designed to reduce greenhouse gas emissions by at least 20 percent through the installation of—

''(I) low- or zero-carbon process heat systems,

''(II) carbon capture, transport, utilization and storage systems,

''(III) energy efficiency and reduction in waste from industrial processes, or

''(IV) any other industrial technology designed to reduce greenhouse gas emissions, as determined by the Secretary, or

''(iii) which re-equips, expands, or establishes an industrial facility for the processing, refining, or recycling of critical materials (as defined in section 7002(a) of the Energy Act of 2020 (30 U.S.C. 1606(a)).''.

(c) CONFORMING AMENDMENT.—Subparagraph (A) of section 48C(c)(2) is amended to read as follows:

''(A) which is necessary for—

''(i) the production or recycling of property described in clause (i) of paragraph (1)(A),

''(ii) re-equipping an industrial or manufacturing facility described in clause (ii) of such paragraph, or

''(iii) re-equipping, expanding, or establishing an industrial facility described in clause (iii) of such paragraph,''.

(d) DENIAL OF DOUBLE BENEFIT.—48C(f), as redesignated by this section, is amended by striking ''or 48B'' and inserting ''48B, 48E, 45Q, or 45V''.

(e) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2023.

SEC. 13502. ADVANCED MANUFACTURING PRODUCTION CREDIT.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new section:

''SEC. 45X. ADVANCED MANUFACTURING PRODUCTION CREDIT.

''(a) IN GENERAL.—

''(1) ALLOWANCE OF CREDIT.—For purposes of section 38, the advanced manufacturing production credit for any taxable year is an amount equal to the sum of the credit amounts determined under subsection (b) with respect to each eligible component which is—

''(A) produced by the taxpayer, and

''(B) during the taxable year, sold by such taxpayer to an unrelated person.

''(2) PRODUCTION AND SALE MUST BE IN TRADE OR BUSINESS.—Any eligible component produced and sold by the taxpayer shall be taken into account only if the production and sale described in paragraph (1) is in a trade or business of the taxpayer.

''(3) UNRELATED PERSON.—

''(A) IN GENERAL.—For purposes of this subsection, a taxpayer shall be treated as selling components to an unrelated person if such component is sold to such person by a person related to the taxpayer.

''(B) ELECTION.—

''(i) IN GENERAL.—At the election of the taxpayer (in such form and manner as the Secretary may prescribe), a sale of components by such taxpayer to a related person shall be deemed to have been made to an unrelated person.

''(ii) REQUIREMENT.—As a condition of, and prior to, any election described in clause (i), the Secretary may require such information or registration as the Secretary deems necessary for purposes of preventing duplication, fraud, or any improper or excessive amount determined under paragraph (1).

''(b) CREDIT AMOUNT.—

''(1) IN GENERAL.—Subject to paragraph (3), the amount determined under this subsection with respect to any eligible component, including any eligible component it incorporates, shall be equal to—

''(A) in the case of a thin film photovoltaic cell or a crystalline photovoltaic cell, an amount equal to the product of—

''(i) 4 cents, multiplied by

''(ii) the capacity of such cell (expressed on a per direct current watt basis),

''(B) in the case of a photovoltaic wafer, $12 per square meter,

''(C) in the case of solar grade polysilicon, $3 per kilogram,

''(D) in the case of a polymeric backsheet, 40 cents per square meter,

''(E) in the case of a solar module, an amount equal to the product of—

''(i) 7 cents, multiplied by

''(ii) the capacity of such module (expressed on a per direct current watt basis),

''(F) in the case of a wind energy component—

''(i) if such component is a related offshore wind vessel, an amount equal to 10 percent of the sales price of such vessel, and

''(ii) if such component is not described in clause (i), an amount equal to the product of—

''(I) the applicable amount with respect to such component (as determined under paragraph (2)(A)), multiplied by

''(II) the total rated capacity (expressed on a per watt basis) of the completed wind turbine for which such component is designed,

''(G) in the case of a torque tube, 87 cents per kilogram,

''(H) in the case of a structural fastener, $2.28 per kilogram,

''(I) in the case of an inverter, an amount equal to the product of—

''(i) the applicable amount with respect to such inverter (as determined under paragraph (2)(B)), multiplied by

''(ii) the capacity of such inverter (expressed on a per alternating current watt basis),

''(J) in the case of electrode active materials, an amount equal to 10 percent of the costs incurred by the taxpayer with respect to production of such materials,

''(K) in the case of a battery cell, an amount equal to the product of—

''(i) $35, multiplied by

''(ii) subject to paragraph (4), the capacity of such battery cell (expressed on a kilowatt-hour basis),

''(L) in the case of a battery module, an amount equal to the product of—

''(i) $10 (or, in the case of a battery module which does not use battery cells, $45), multiplied by

''(ii) subject to paragraph (4), the capacity of such battery module (expressed on a kilowatt-hour basis), and

''(M) in the case of any applicable critical mineral, an amount equal to 10 percent of the costs incurred by the taxpayer with respect to production of such mineral.

''(2) APPLICABLE AMOUNTS.—

''(A) WIND ENERGY COMPONENTS.—For purposes of paragraph (1)(F)(ii), the applicable amount with respect to any wind energy component shall be—

''(i) in the case of a blade, 2 cents,

''(ii) in the case of a nacelle, 5 cents,

''(iii) in the case of a tower, 3 cents, and

''(iv) in the case of an offshore wind foundation—

''(I) which uses a fixed platform, 2 cents, or

''(II) which uses a floating platform, 4 cents.

''(B) INVERTERS.—For purposes of paragraph (1)(I), the applicable amount with respect to any inverter shall be—

''(i) in the case of a central inverter, 0.25 cents,

''(ii) in the case of a utility inverter, 1.5 cents,

''(iii) in the case of a commercial inverter, 2 cents,

''(iv) in the case of a residential inverter, 6.5 cents, and

''(v) in the case of a microinverter or a distributed wind inverter, 11 cents.

''(3) PHASE OUT.—

''(A) IN GENERAL.—Subject to subparagraph (C), in the case of any eligible component sold after December 31, 2029, the amount determined under this subsection with respect to such component shall be equal to the product of—

''(i) the amount determined under paragraph (1) with respect to such component, as determined without regard to this paragraph, multiplied by

''(ii) the phase out percentage under subparagraph (B).

''(B) PHASE OUT PERCENTAGE.—The phase out percentage under this subparagraph is equal to—

''(i) in the case of an eligible component sold during calendar year 2030, 75 percent,

''(ii) in the case of an eligible component sold during calendar year 2031, 50 percent,

''(iii) in the case of an eligible component sold during calendar year 2032, 25 percent,

''(iv) in the case of an eligible component sold after December 31, 2032, 0 percent.

''(C) EXCEPTION.—For purposes of determining the amount under this subsection with respect to any applicable critical mineral, this paragraph shall not apply.

''(4) LIMITATION ON CAPACITY OF BATTERY CELLS AND BATTERY MODULES.—

''(A) IN GENERAL.—For purposes of subparagraph (K)(ii) or (L)(ii) of paragraph (1), the capacity determined under either subparagraph with respect to a battery cell or battery module shall not exceed a capacity-to-power ratio of 100:1.

''(B) CAPACITY-TO-POWER RATIO.—For purposes of this paragraph, the term 'capacity-to-power ratio' means, with respect to a battery cell or battery module, the ratio of the capacity of such cell or module to the maximum discharge amount of such cell or module.

''(c) DEFINITIONS.—For purposes of this section—

''(1) ELIGIBLE COMPONENT.—

''(A) IN GENERAL.—The term 'eligible component' means—

''(i) any solar energy component,

''(ii) any wind energy component,

''(iii) any inverter described in subparagraphs (B) through (G) of paragraph (2),

''(iv) any qualifying battery component, and

''(v) any applicable critical mineral.

''(B) APPLICATION WITH OTHER CREDITS.—The term 'eligible component' shall not include any property which is produced at a facility if the basis of any property which is part of such facility is taken into account for purposes of the credit allowed under section 48C after the date of the enactment of this section.

''(2) INVERTERS.—

''(A) IN GENERAL.—The term 'inverter' means an end product which is suitable to convert direct current electricity from 1 or more solar modules or certified distributed wind energy systems into alternating current electricity.

''(B) CENTRAL INVERTER.—The term 'central inverter' means an inverter which is suitable for large utility-scale systems and has a capacity which is greater than 1,000 kilowatts (expressed on a per alternating current watt basis).

''(C) COMMERCIAL INVERTER.—The term 'commercial inverter' means an inverter which—

''(i) is suitable for commercial or utility-scale applications,

''(ii) has a rated output of 208, 480, 600, or 800 volt three-phase power, and

''(iii) has a capacity which is not less than 20 kilowatts and not greater than 125 kilowatts (expressed on a per alternating current watt basis).

''(D) DISTRIBUTED WIND INVERTER.—

''(i) IN GENERAL.—The term 'distributed wind inverter' means an inverter which—

''(I) is used in a residential or non-residential system which utilizes 1 or more certified distributed wind energy systems, and

''(II) has a rated output of not greater than 150 kilowatts.

''(ii) CERTIFIED DISTRIBUTED WIND ENERGY SYSTEM.—The term 'certified distributed wind energy system' means a wind energy system which is certified by an accredited certification agency to meet Standard 9.1-2009 of the American Wind Energy Association (including any subsequent revisions to or modifications of such Standard which have been approved by the American National Standards Institute).

''(E) MICROINVERTER.—The term 'microinverter' means an inverter which—

''(i) is suitable to connect with one solar module,

''(ii) has a rated output of—

''(I) 120 or 240 volt single-phase power, or

''(II) 208 or 480 volt three-phase power, and

''(iii) has a capacity which is not greater than 650 watts (expressed on a per alternating current watt basis).

''(F) RESIDENTIAL INVERTER.—The term 'residential inverter' means an inverter which—

''(i) is suitable for a residence,

''(ii) has a rated output of 120 or 240 volt single-phase power, and

''(iii) has a capacity which is not greater than 20 kilowatts (expressed on a per alternating current watt basis).

''(G) UTILITY INVERTER.—The term 'utility inverter' means an inverter which—

''(i) is suitable for commercial or utility-scale systems,

''(ii) has a rated output of not less than 600 volt three-phase power, and

''(iii) has a capacity which is greater than 125 kilowatts and not greater than 1000 kilowatts (expressed on a per alternating current watt basis)

''(3) SOLAR ENERGY COMPONENT.—

''(A) IN GENERAL.—The term 'solar energy component' means any of the following:

''(i) Solar modules.

''(ii) Photovoltaic cells.

''(iii) Photovoltaic wafers.

''(iv) Solar grade polysilicon.

''(v) Torque tubes or structural fasteners.

''(vi) Polymeric backsheets.

''(B) ASSOCIATED DEFINITIONS.—

''(i) PHOTOVOLTAIC CELL.—The term 'photovoltaic cell' means the smallest semiconductor element of a solar module which performs the immediate conversion of light into electricity.

''(ii) PHOTOVOLTAIC WAFER.—The term 'photovoltaic wafer' means a thin slice, sheet, or layer of semiconductor material of at least 240 square centimeters—

''(I) produced by a single manufacturer either—

''(aa) directly from molten or evaporated solar grade polysilicon or deposition of solar grade thin film semiconductor photon absorber layer, or

''(bb) through formation of an ingot from molten polysilicon and subsequent slicing, and

''(II) which comprises the substrate or absorber layer of one or more photovoltaic cells.

''(iii) POLYMERIC BACKSHEET.—The term 'polymeric backsheet' means a sheet on the back of a solar module which acts as an electric insulator and protects the inner components of such module from the surrounding environment.

''(iv) SOLAR GRADE POLYSILICON.—The term 'solar grade polysilicon' means silicon which is—

''(I) suitable for use in photovoltaic manufacturing, and

''(II) purified to a minimum purity of 99.999999 percent silicon by mass.

''(v) SOLAR MODULE.—The term 'solar module' means the connection and lamination of photovoltaic cells into an environmentally protected final assembly which is—

''(I) suitable to generate electricity when exposed to sunlight, and

''(II) ready for installation without an additional manufacturing process.

''(vi) SOLAR TRACKER.—The term 'solar tracker' means a mechanical system that moves solar modules according to the position of the sun and to increase energy output.

''(vii) SOLAR TRACKER COMPONENTS.—

''(I) TORQUE TUBE.—The term 'torque tube' means a structural steel support element (including longitudinal purlins) which—

''(aa) is part of a solar tracker,

''(bb) is of any cross-sectional shape,

''(cc) may be assembled from individually manufactured segments,

''(dd) spans longitudinally between foundation posts,

''(ee) supports solar panels and is connected to a mounting attachment for solar panels (with or without separate module interface rails), and

''(ff) is rotated by means of a drive system.

''(II) STRUCTURAL FASTENER.—The term 'structural fastener' means a component which is used—

''(aa) to connect the mechanical and drive system components of a solar tracker to the foundation of such solar tracker,

''(bb) to connect torque tubes to drive assemblies, or

''(cc) to connect segments of torque tubes to one another.

''(4) WIND ENERGY COMPONENT.—

''(A) IN GENERAL.—The term 'wind energy component' means any of the following:

''(i) Blades.

''(ii) Nacelles.

''(iii) Towers.

''(iv) Offshore wind foundations.

''(v) Related offshore wind vessels.

''(B) ASSOCIATED DEFINITIONS.—

''(i) BLADE.—The term 'blade' means an airfoil-shaped blade which is responsible for converting wind energy to low-speed rotational energy.

''(ii) OFFSHORE WIND FOUNDATION.—The term 'offshore wind foundation' means the component (including transition piece) which secures an offshore wind tower and any above-water turbine components to the seafloor using—

''(I) fixed platforms, such as offshore wind monopiles, jackets, or gravity-based foundations, or

''(II) floating platforms and associated mooring systems.

''(iii) NACELLE.—The term 'nacelle' means the assembly of the drivetrain and other tower-top components of a wind turbine (with the exception of the blades and the hub) within their cover housing.

''(iv) RELATED OFFSHORE WIND VESSEL.—The term 'related offshore wind vessel' means any vessel which is purpose-built or retrofitted for purposes of the development, transport, installation, operation, or maintenance of offshore wind energy components.

''(v) TOWER.—The term 'tower' means a tubular or lattice structure which supports the nacelle and rotor of a wind turbine.

''(5) QUALIFYING BATTERY COMPONENT.—

''(A) IN GENERAL.—The term 'qualifying battery component' means any of the following:

''(i) Electrode active materials.

''(ii) Battery cells.

''(iii) Battery modules.

''(B) ASSOCIATED DEFINITIONS.—

''(i) ELECTRODE ACTIVE MATERIAL.—The term 'electrode active material' means cathode materials, anode materials, anode foils, and electrochemically active materials, including solvents, additives, and electrolyte salts that contribute to the electrochemical processes necessary for energy storage .

''(ii) BATTERY CELL.—The term 'battery cell' means an electrochemical cell—

''(I) comprised of 1 or more positive electrodes and 1 or more negative electrodes,

''(II) with an energy density of not less than 100 watt-hours per liter, and

''(III) capable of storing at least 12 watt-hours of energy.

''(iii) BATTERY MODULE.—The term 'battery module' means a module—

''(I)(aa) in the case of a module using battery cells, with 2 or more battery cells which are configured electrically, in series or parallel, to create voltage or current, as appropriate, to a specified end use, or

''(bb) with no battery cells, and

''(II) with an aggregate capacity of not less than 7 kilowatt-hours (or, in the case of a module for a hydrogen fuel cell vehicle, not less than 1 kilowatt-hour).

''(6) APPLICABLE CRITICAL MINERALS.—The term 'applicable critical mineral' means any of the following:

''(A) ALUMINUM.—Aluminum which is—

''(i) converted from bauxite to a minimum purity of 99 percent alumina by mass, or

''(ii) purified to a minimum purity of 99.9 percent aluminum by mass.

''(B) ANTIMONY.—Antimony which is—

''(i) converted to antimony trisulfide concentrate with a minimum purity of 90 percent antimony trisulfide by mass, or

''(ii) purified to a minimum purity of 99.65 percent antimony by mass.

''(C) BARITE.—Barite which is barium sulfate purified to a minimum purity of 80 percent barite by mass.

''(D) BERYLLIUM.—Beryllium which is—

''(i) converted to copper-beryllium master alloy, or

''(ii) purified to a minimum purity of 99 percent beryllium by mass.

''(E) CERIUM.—Cerium which is—

''(i) converted to cerium oxide which is purified to a minimum purity of 99.9 percent cerium oxide by mass, or

''(ii) purified to a minimum purity of 99 percent cerium by mass.

''(F) CESIUM.—Cesium which is—

''(i) converted to cesium formate or cesium carbonate, or

''(ii) purified to a minimum purity of 99 percent cesium by mass.

''(G) CHROMIUM.—Chromium which is—

''(i) converted to ferrochromium consisting of not less than 60 percent chromium by mass, or

''(ii) purified to a minimum purity of 99 percent chromium by mass.

''(H) COBALT.—Cobalt which is—

''(i) converted to cobalt sulfate, or

''(ii) purified to a minimum purity of 99.6 percent cobalt by mass.

''(I) DYSPROSIUM.—Dysprosium which is—

''(i) converted to not less than 99 percent pure dysprosium iron alloy by mass, or

''(ii) purified to a minimum purity of 99 percent dysprosium by mass.

''(J) EUROPIUM.—Europium which is—

''(i) converted to europium oxide which is purified to a minimum purity of 99.9 percent europium oxide by mass, or

''(ii) purified to a minimum purity of 99 percent by mass.

''(K) FLUORSPAR.—Fluorspar which is—

''(i) converted to fluorspar which is purified to a minimum purity of 97 percent calcium fluoride by mass, or

''(ii) purified to a minimum purity of 99 percent fluorspar by mass.

''(L) GADOLINIUM.—Gadolinium which is—

''(i) converted to gadolinium oxide which is purified to a minimum purity of 99.9 percent gadolinium oxide by mass, or

''(ii) purified to a minimum purity of 99 percent gadolinium by mass.

''(M) GERMANIUM.—Germanium which is—

''(i) converted to germanium tetrachloride, or

''(ii) purified to a minimum purity of 99.99 percent germanium by mass.

''(N) GRAPHITE.—Graphite which is purified to a minimum purity of 99.9 percent graphitic carbon by mass.

''(O) INDIUM.—Indium which is—

''(i) converted to—

''(I) indium tin oxide, or

''(II) indium oxide which is purified to a minimum purity of 99.9 percent indium oxide by mass, or

''(ii) purified to a minimum purity of 99 percent indium by mass.

''(P) LITHIUM.—Lithium which is—

''(i) converted to lithium carbonate or lithium hydroxide, or

''(ii) purified to a minimum purity of 99.9 percent lithium by mass.

''(Q) MANGANESE.—Manganese which is—

''(i) converted to manganese sulphate, or

''(ii) purified to a minimum purity of 99.7 percent manganese by mass.

''(R) NEODYMIUM.—Neodymium which is—

''(i) converted to neodymium-praseodymium oxide which is purified to a minimum purity of 99 percent neodymium-praseodymium oxide by mass,

''(ii) converted to neodymium oxide which is purified to a minimum purity of 99.5 percent neodymium oxide by mass

''(iii) purified to a minimum purity of 99.9 percent neodymium by mass.

''(S) NICKEL.—Nickel which is—

''(i) converted to nickel sulphate, or

''(ii) purified to a minimum purity of 99 percent nickel by mass.

''(T) NIOBIUM.—Niobium which is—

''(i) converted to ferronibium, or

''(ii) purified to a minimum purity of 99 percent niobium by mass.

''(U) TELLURIUM.—Tellurium which is—

''(i) converted to cadmium telluride, or

''(ii) purified to a minimum purity of 99 percent tellurium by mass.

''(V) TIN.—Tin which is purified to low alpha emitting tin which—

''(i) has a purity of greater than 99.99 percent by mass, and

''(ii) possesses an alpha emission rate of not greater than 0.01 counts per hour per centimeter square.

''(W) TUNGSTEN.—Tungsten which is converted to ammonium paratungstate or ferrotungsten.

''(X) VANADIUM.—Vanadium which is converted to ferrovanadium or vanadium pentoxide.

''(Y) YTTRIUM.—Yttrium which is—

''(i) converted to yttrium oxide which is purified to a minimum purity of 99.999 percent yttrium oxide by mass, or

''(ii) purified to a minimum purity of 99.9 percent yttrium by mass.

''(Z) OTHER MINERALS.—Any of the following minerals, provided that such mineral is purified to a minimum purity of 99 percent by mass:

''(i) Arsenic.
''(ii) Bismuth.
''(iii) Erbium.
''(iv) Gallium.
''(v) Hafnium.
''(vi) Holmium.
''(vii) Iridium.
''(viii) Lanthanum.
''(ix) Lutetium.
''(x) Magnesium.
''(xi) Palladium.
''(xii) Platinum.
''(xiii) Praseodymium.
''(xiv) Rhodium.
''(xv) Rubidium.
''(xvi) Ruthenium.
''(xvii) Samarium.
''(xviii) Scandium.
''(xix) Tantalum.
''(xx) Terbium.
''(xxi) Thulium.
''(xxii) Titanium.
''(xxiii) Ytterbium.
''(xxiv) Zinc.
''(xxv) Zirconium.

''(d) SPECIAL RULES.—In this section—

''(1) RELATED PERSONS.—Persons shall be treated as related to each other if such persons would be treated as a single employer under the regulations prescribed under section 52(b).

''(2) ONLY PRODUCTION IN THE UNITED STATES TAKEN INTO ACCOUNT.—Sales shall be taken into account under this section only with respect to eligible components the production of which is within—

''(A) the United States (within the meaning of section 638(1)), or

''(B) a possession of the United States (within the meaning of section 638(2)).

''(3) PASS-THRU IN THE CASE OF ESTATES AND TRUSTS.—Under regulations prescribed by the Secretary, rules similar to the rules of subsection (d) of section 52 shall apply.

''(4) SALE OF INTEGRATED COMPONENTS.—For purposes of this section, a person shall be treated as having sold an eligible component to an unrelated person if such component is integrated, incorporated, or assembled into another eligible component which is sold to an unrelated person.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 38(b) of the Internal Revenue Code of 1986, as amended by the preceding provisions of this Act, is amended—

(A) in paragraph (36), by striking ''plus'' at the end,

(B) in paragraph (37), by striking the period at the end and inserting '', plus'', and

(C) by adding at the end the following new paragraph:

''(38) the advanced manufacturing production credit determined under section 45X(a).''.

(2) The table of sections for subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new item:

''Sec. 45X. Advanced manufacturing production credit.''.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to components produced and sold after December 31, 2022.

PART 6—SUPERFUND

SEC. 13601. REINSTATEMENT OF SUPERFUND.

(a) HAZARDOUS SUBSTANCE SUPERFUND FINANCING RATE.—

(1) EXTENSION.—Section 4611 is amended by striking subsection (e).

(2) ADJUSTMENT FOR INFLATION.—

(A) Section 4611(c)(2)(A) is amended by striking ''9.7 cents'' and inserting ''16.4 cents''.

(B) Section 4611(c) is amended by adding at the end the following:

''(3) ADJUSTMENT FOR INFLATION.—

''(A) IN GENERAL.—In the case of a year beginning after 2023, the amount in paragraph (2)(A) shall be increased by an amount equal to—

''(i) such amount, multiplied by

''(ii) the cost-of-living adjustment determined under section 1(f)(3) for the calendar year, determined by substituting 'calendar year 2022' for 'calendar year 2016' in subparagraph (A)(ii) thereof.

''(B) ROUNDING.—If any amount as adjusted under subparagraph (A) is not a multiple of $0.01, such amount shall be rounded to the next lowest multiple of $0.01.''.

(b) AUTHORITY FOR ADVANCES.—Section 9507(d)(3)(B) is amended by striking ''December 31, 1995'' and inserting ''December 31, 2032''.

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2023.

PART 7—INCENTIVES FOR CLEAN ELECTRICITY AND CLEAN TRANSPORTATION

SEC. 13701. CLEAN ELECTRICITY PRODUCTION CREDIT.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new section:

''SEC. 45Y. CLEAN ELECTRICITY PRODUCTION CREDIT.

''(a) AMOUNT OF CREDIT.—

''(1) IN GENERAL.—For purposes of section 38, the clean electricity production credit for any taxable year is an amount equal to the product of—

''(A) the kilowatt hours of electricity—

''(i) produced by the taxpayer at a qualified facility, and

''(ii)(I) sold by the taxpayer to an unrelated person during the taxable year, or

''(II) in the case of a qualified facility which is equipped with a metering device which is owned and operated by an unrelated person, sold, consumed, or stored by the taxpayer during the taxable year, multiplied by

''(B) the applicable amount with respect to such qualified facility.

''(2) APPLICABLE AMOUNT.—

''(A) BASE AMOUNT.—Subject to subsection (g)(7), in the case of any qualified facility which is not described in clause (i) or (ii) of subparagraph (B) and does not satisfy the requirements described in clause (iii) of such subparagraph, the applicable amount shall be 0.3 cents.

''(B) ALTERNATIVE AMOUNT.—Subject to subsection (g)(7), in the case of any qualified facility—

''(i) with a maximum net output of less than 1 megawatt (as measured in alternating current),

''(ii) the construction of which begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (9) and (10) of subsection (g), or

''(iii) which—

''(I) satisfies the requirements under paragraph (9) of subsection (g), and

''(II) with respect to the construction of such facility, satisfies the requirements under paragraph (10) of subsection (g),

the applicable amount shall be 1.5 cents.

''(b) QUALIFIED FACILITY.—

''(1) IN GENERAL.—

''(A) DEFINITION.—Subject to subparagraphs (B), (C), and (D), the term 'qualified facility' means a facility owned by the taxpayer—

''(i) which is used for the generation of electricity,

''(ii) which is placed in service after December 31, 2024, and

''(iii) for which the greenhouse gas emissions rate (as determined under paragraph (2)) is not greater than zero.

''(B) 10-YEAR PRODUCTION CREDIT.—For purposes of this section, a facility shall only be treated as a qualified facility during the 10-year period beginning on the date the facility was originally placed in service.

''(C) EXPANSION OF FACILITY; INCREMENTAL PRODUCTION.—The term 'qualified facility' shall include either of the following in connection with a facility described in subparagraph (A) (without regard to clause (ii) of such subparagraph) which was placed in service before January 1, 2025, but only to the extent of the increased amount of electricity produced at the facility by reason of the following:

''(i) A new unit which is placed in service after December 31, 2024.

''(ii) Any additions of capacity which are placed in service after December 31, 2024.

''(D) COORDINATION WITH OTHER CREDITS.—The term 'qualified facility' shall not include any facility for which a credit determined under section 45, 45J, 45Q, 45U, 48, 48A, or 48E is allowed under section 38 for the taxable year or any prior taxable year.

''(2) GREENHOUSE GAS EMISSIONS RATE.—

''(A) IN GENERAL.—For purposes of this section, the term 'greenhouse gas emissions rate' means the amount of greenhouse gases emitted into the atmosphere by a facility in the production of electricity, expressed as grams of CO_2e per KWh.

''(B) FUEL COMBUSTION AND GASIFICATION.—In the case of a facility which produces electricity through combustion or gasification, the greenhouse gas emissions rate for such facility shall be equal to the net rate of greenhouse gases emitted into the atmosphere by such facility (taking into account lifecycle greenhouse gas emissions, as described in section 211(o)(1)(H) of the Clean Air Act (42 U.S.C. 7545(o)(1)(H))) in the production of electricity, expressed as grams of CO_2e per KWh.

''(C) ESTABLISHMENT OF EMISSIONS RATES FOR FACILITIES.—

''(i) PUBLISHING EMISSIONS RATES.—The Secretary shall annually publish a table that sets forth the greenhouse gas emissions rates for types or categories of facilities, which a taxpayer shall use for purposes of this section.

''(ii) PROVISIONAL EMISSIONS RATE.—In the case of any facility for which an emissions rate has not been established by the Secretary, a taxpayer which owns such facility may file a petition with the Secretary for determination of the emissions rate with respect to such facility.

''(D) CARBON CAPTURE AND SEQUESTRATION EQUIPMENT.—For purposes of this subsection, the amount of greenhouse gases emitted into the atmosphere by a facility in the production of electricity shall not include any qualified carbon dioxide that is captured by the taxpayer and—

''(i) pursuant to any regulations established under paragraph (2) of section 45Q(f), disposed of by the taxpayer in secure geological storage, or

''(ii) utilized by the taxpayer in a manner described in paragraph (5) of such section.

''(c) INFLATION ADJUSTMENT.—

''(1) IN GENERAL.—In the case of a calendar year beginning after 2024, the 0.3 cent amount in paragraph (2)(A) of subsection (a) and the 1.5 cent amount in paragraph (2)(B) of such subsection shall each be adjusted by multiplying such amount by the inflation adjustment factor for the calendar year in which the sale, consumption, or storage of the electricity occurs. If the 0.3 cent amount as increased under this paragraph is not a multiple of 0.05 cent, such amount shall be rounded to the nearest multiple of 0.05 cent. If the 1.5 cent amount as increased under this paragraph is not a multiple of 0.1 cent, such amount shall be rounded to the nearest multiple of 0.1 cent.

''(2) ANNUAL COMPUTATION.—The Secretary shall, not later than April 1 of each calendar year, determine and publish in the Federal Register the inflation adjustment factor for such calendar year in accordance with this subsection.

''(3) INFLATION ADJUSTMENT FACTOR.—The term 'inflation adjustment factor' means, with respect to a calendar year, a fraction the numerator of which is the GDP implicit price deflator for the preceding calendar year and the denominator of which is the GDP implicit price deflator for the calendar year 1992. The term 'GDP implicit price deflator' means the most recent revision of the implicit price deflator for the gross domestic product as computed and published by the Department of Commerce before March 15 of the calendar year.

''(d) CREDIT PHASE-OUT.—

''(1) IN GENERAL.—The amount of the clean electricity production credit under subsection (a) for any qualified facility the construction of which begins during a calendar year described in paragraph (2) shall be equal to the product of—

''(A) the amount of the credit determined under subsection (a) without regard to this subsection, multiplied by

''(B) the phase-out percentage under paragraph (2).

''(2) PHASE-OUT PERCENTAGE.—The phase-out percentage under this paragraph is equal to—

''(A) for a facility the construction of which begins during the first calendar year following the applicable year, 100 percent,

''(B) for a facility the construction of which begins during the second calendar year following the applicable year, 75 percent,

''(C) for a facility the construction of which begins during the third calendar year following the applicable year, 50 percent, and

''(D) for a facility the construction of which begins during any calendar year subsequent to the calendar year described in subparagraph (C), 0 percent.

''(3) APPLICABLE YEAR.—For purposes of this subsection, the term 'applicable year' means the later of—

''(A) the calendar year in which the Secretary determines that the annual greenhouse gas emissions from the production of electricity in the United States are equal to or less than 25 percent of the annual greenhouse gas emissions from the production of electricity in the United States for calendar year 2022, or

''(B) 2032.

''(e) DEFINITIONS.—For purposes of this section:

''(1) CO_2e PER KWh.—The term 'CO_2e per KWh' means, with respect to any greenhouse gas, the equivalent carbon dioxide (as determined based on global warming potential) per kilowatt hour of electricity produced.

''(2) GREENHOUSE GAS.—The term 'greenhouse gas' has the same meaning given such term under section 211(o)(1)(G) of the Clean Air Act (42 U.S.C. 7545(o)(1)(G)), as in effect on the date of the enactment of this section.

''(3) QUALIFIED CARBON DIOXIDE.—The term 'qualified carbon dioxide' means carbon dioxide captured from an industrial source which—

''(A) would otherwise be released into the atmosphere as industrial emission of greenhouse gas,

''(B) is measured at the source of capture and verified at the point of disposal or utilization, and

''(C) is captured and disposed or utilized within the United States (within the meaning of section 638(1)) or a possession of the United States (within the meaning of section 638(2)).

''(f) GUIDANCE.—Not later than January 1, 2025, the Secretary shall issue guidance regarding implementation of this section, including calculation of greenhouse gas emission rates for qualified facilities and determination of clean electricity production credits under this section.

''(g) SPECIAL RULES.—

''(1) ONLY PRODUCTION IN THE UNITED STATES TAKEN INTO ACCOUNT.—Consumption, sales, or storage shall be taken into account under this section only with respect to electricity the production of which is within—

''(A) the United States (within the meaning of section 638(1)), or

''(B) a possession of the United States (within the meaning of section 638(2)).

''(2) COMBINED HEAT AND POWER SYSTEM PROPERTY.—

''(A) IN GENERAL.—For purposes of subsection (a)—

''(i) the kilowatt hours of electricity produced by a taxpayer at a qualified facility shall include any production in the form of useful thermal energy by any combined heat and power system property within such facility, and

''(ii) the amount of greenhouse gases emitted into the atmosphere by such facility in the production of such useful thermal energy shall be included for purposes of determining the greenhouse gas emissions rate for such facility.

''(B) COMBINED HEAT AND POWER SYSTEM PROPERTY.—For purposes of this paragraph, the term 'combined heat and power system property' has the same meaning given such term by section 48(c)(3) (without regard to subparagraphs (A)(iv), (B), and (D) thereof).

''(C) CONVERSION FROM BTU TO KWH.—

''(i) IN GENERAL.—For purposes of subparagraph (A)(i), the amount of kilowatt hours of

electricity produced in the form of useful thermal energy shall be equal to the quotient of—

''(I) the total useful thermal energy produced by the combined heat and power system property within the qualified facility, divided by

''(II) the heat rate for such facility.

''(ii) HEAT RATE.—For purposes of this subparagraph, the term 'heat rate' means the amount of energy used by the qualified facility to generate 1 kilowatt hour of electricity, expressed as British thermal units per net kilowatt hour generated.

''(3) PRODUCTION ATTRIBUTABLE TO THE TAXPAYER.—In the case of a qualified facility in which more than 1 person has an ownership interest, except to the extent provided in regulations prescribed by the Secretary, production from the facility shall be allocated among such persons in proportion to their respective ownership interests in the gross sales from such facility.

''(4) RELATED PERSONS.—Persons shall be treated as related to each other if such persons would be treated as a single employer under the regulations prescribed under section 52(b). In the case of a corporation which is a member of an affiliated group of corporations filing a consolidated return, such corporation shall be treated as selling electricity to an unrelated person if such electricity is sold to such a person by another member of such group.

''(5) PASS-THRU IN THE CASE OF ESTATES AND TRUSTS.—Under regulations prescribed by the Secretary, rules similar to the rules of subsection (d) of section 52 shall apply.

''(6) ALLOCATION OF CREDIT TO PATRONS OF AGRICULTURAL COOPERATIVE.—

''(A) ELECTION TO ALLOCATE.—

''(i) IN GENERAL.—In the case of an eligible cooperative organization, any portion of the credit determined under subsection (a) for the taxable year may, at the election of the organization, be apportioned among patrons of the organization on the basis of the amount of business done by the patrons during the taxable year.

''(ii) FORM AND EFFECT OF ELECTION.—An election under clause (i) for any taxable year shall be made on a timely filed return for such year. Such election, once made, shall be irrevocable for such taxable year. Such election shall not take effect unless the organization designates the apportionment as such in a written notice mailed to its patrons during the payment period described in section 1382(d).

''(B) TREATMENT OF ORGANIZATIONS AND PATRONS.—The amount of the credit apportioned to any patrons under subparagraph (A)—

''(i) shall not be included in the amount determined under subsection (a) with respect to the organization for the taxable year, and

''(ii) shall be included in the amount determined under subsection (a) for the first taxable year of each patron ending on or after the last day of the payment period (as defined in section 1382(d)) for the taxable year of the organization or, if earlier, for the taxable year of each patron ending on or after the date on which the patron receives notice from the cooperative of the apportionment.

''(C) SPECIAL RULES FOR DECREASE IN CREDITS FOR TAXABLE YEAR.—If the amount of the credit of a cooperative organization determined under subsection (a) for a taxable year is less than the amount of such credit shown on the return of the cooperative organization for such year, an amount equal to the excess of—

''(i) such reduction, over

''(ii) the amount not apportioned to such patrons under subparagraph (A) for the taxable year,

shall be treated as an increase in tax imposed by this chapter on the organization. Such increase shall not be treated as tax imposed by this chapter for purposes of determining the amount of any credit under this chapter.

''(D) ELIGIBLE COOPERATIVE DEFINED.—For purposes of this section, the term 'eligible cooperative' means a cooperative organization described in section 1381(a) which is owned more than 50 percent by agricultural producers or by entities owned by agricultural producers. For this purpose an entity owned by an agricultural producer is one that is more than 50 percent owned by agricultural producers.

''(7) INCREASE IN CREDIT IN ENERGY COMMUNITIES.—In the case of any qualified facility which is located in an energy community (as defined in section 45(b)(11)(B)), for purposes of determining the amount of the credit under subsection (a) with respect to any electricity produced by the taxpayer at such facility during the taxable year, the applicable amount under paragraph (2) of such subsection shall be increased by an amount equal to 10 percent of the amount otherwise in effect under such paragraph.

''(8) CREDIT REDUCED FOR TAX-EXEMPT BONDS.—Rules similar to the rules of section 45(b)(3) shall apply.

''(9) WAGE REQUIREMENTS.—Rules similar to the rules of section 45(b)(7) shall apply.

''(10) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(11) DOMESTIC CONTENT BONUS CREDIT AMOUNT.—

''(A) IN GENERAL.—In the case of any qualified facility which satisfies the requirement under subparagraph (B)(i), the amount of the credit determined under subsection (a) shall be increased by an amount equal to 10 percent of the amount so determined (as determined without application of paragraph (7)).

''(B) REQUIREMENT.—

''(i) IN GENERAL.—The requirement described in this subclause is satisfied with respect to any qualified facility if the taxpayer certifies to the Secretary (at such time, and in such form and manner, as the Secretary may prescribe) that any steel, iron, or manufactured product which is a component of such facility (upon completion of construction) was produced in the United States (as determined under section 661 of title 49, Code of Federal Regulations).

''(ii) STEEL AND IRON.—In the case of steel or iron, clause (i) shall be applied in a manner consistent with section 661.5 of title 49, Code of Federal Regulations.

''(iii) MANUFACTURED PRODUCT.—For purposes of clause (i), the manufactured products which are components of a qualified facility upon completion of construction shall be deemed to have been produced in the United States if not less than the adjusted percentage (as determined under subparagraph (C)) of the total costs of all such manufactured products of such facility are attributable to manufactured products (including components) which are mined, produced, or manufactured in the United States.

''(C) ADJUSTED PERCENTAGE.—

''(i) IN GENERAL.—Subject to subclause (ii), for purposes of subparagraph (B)(iii), the adjusted percentage shall be—

''(I) in the case of a facility the construction of which begins before January 1, 2025, 40 percent,

''(II) in the case of a facility the construction of which begins after December 31, 2024, and before January 1, 2026, 45 percent,

''(III) in the case of a facility the construction of which begins after December 31, 2025, and before January 1, 2027, 50 percent, and

''(IV) in the case of a facility the construction of which begins after December 31, 2026, 55 percent.

''(ii) OFFSHORE WIND FACILITY.—For purposes of subparagraph (B)(iii), in the case of a qualified facility which is an offshore wind facility, the adjusted percentage shall be—

''(I) in the case of a facility the construction of which begins before January 1, 2025, 20 percent,

''(II) in the case of a facility the construction of which begins after December 31, 2024, and before January 1, 2026, 27.5 percent,

''(III) in the case of a facility the construction of which begins after December 31, 2025, and before January 1, 2027, 35 percent,

''(IV) in the case of a facility the construction of which begins after December 31, 2026, and before January 1, 2028, 45 percent, and

''(V) in the case of a facility the construction of which begins after December 31, 2027, 55 percent.

''(12) PHASEOUT FOR ELECTIVE PAYMENT.—

''(A) IN GENERAL.—In the case of a taxpayer making an election under section 6417 with respect to a credit under this section, the amount of such credit shall be replaced with—

''(i) the value of such credit (determined without regard to this paragraph), multiplied by

''(ii) the applicable percentage.

''(B) 100 PERCENT APPLICABLE PERCENTAGE FOR CERTAIN QUALIFIED FACILITIES.—In the case of any qualified facility—

''(i) which satisfies the requirements under paragraph (11)(B), or

''(ii) with a maximum net output of less than 1 megawatt (as measured in alternating current),

the applicable percentage shall be 100 percent.

''(C) PHASED DOMESTIC CONTENT REQUIREMENT.—Subject to subparagraph (D), in the case of any qualified facility which is not described in subparagraph (B), the applicable percentage shall be—

''(i) if construction of such facility began before January 1, 2024, 100 percent,

''(ii) if construction of such facility began in calendar year 2024, 90 percent,

''(iii) if construction of such facility began in calendar year 2025, 85 percent, and

''(iv) if construction of such facility began after December 31, 2025, 0 percent.

''(D) EXCEPTION.—

''(i) IN GENERAL.—For purposes of this paragraph, the Secretary shall provide exceptions to the requirements under this paragraph if—

''(I) the inclusion of steel, iron, or manufactured products which are produced in the United States increases the overall costs of construction of qualified facilities by more than 25 percent, or

''(II) relevant steel, iron, or manufactured products are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality.

''(ii) APPLICABLE PERCENTAGE.—In any case in which the Secretary provides an exception pursuant to clause (i), the applicable percentage shall be 100 percent.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 38(b), as amended by the preceding provisions of this Act, is amended—

(A) in paragraph (37), by striking ''plus'' at the end,

(B) in paragraph (38), by striking the period at the end and inserting '', plus'', and

(C) by adding at the end the following new paragraph:

''(39) the clean electricity production credit determined under section 45Y(a).''.

(2) The table of sections for subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this

Act, is amended by adding at the end the following new item:

''Sec. 45Y. Clean electricity production credit.''.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to facilities placed in service after December 31, 2024.

SEC. 13702. CLEAN ELECTRICITY INVESTMENT CREDIT.

(a) IN GENERAL.—Subpart E of part IV of subchapter A of chapter 1, as amended by section 107(a) of the CHIPS Act of 2022, is amended by inserting after section 48D the following new section:

''SEC. 48E. CLEAN ELECTRICITY INVESTMENT CREDIT.

''(a) INVESTMENT CREDIT FOR QUALIFIED PROPERTY.—

''(1) IN GENERAL.—For purposes of section 46, the clean electricity investment credit for any taxable year is an amount equal to the applicable percentage of the qualified investment for such taxable year with respect to—

''(A) any qualified facility, and

''(B) any energy storage technology.

''(2) APPLICABLE PERCENTAGE.—

''(A) QUALIFIED FACILITIES.—Subject to paragraph (3)—

''(i) BASE RATE.—In the case of any qualified facility which is not described in subclause (I) or (II) of clause (ii) and does not satisfy the requirements described in subclause (III) of such clause, the applicable percentage shall be 6 percent.

''(ii) ALTERNATIVE RATE.—In the case of any qualified facility—

''(I) with a maximum net output of less than 1 megawatt (as measured in alternating current),

''(II) the construction of which begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (3) and (4) of subsection (d), or

''(III) which—

''(aa) satisfies the requirements of subsection (d)(3), and

''(bb) with respect to the construction of such facility, satisfies the requirements of subsection (d)(4),

the applicable percentage shall be 30 percent.

''(B) ENERGY STORAGE TECHNOLOGY.—Subject to paragraph (3)—

''(i) BASE RATE.—In the case of any energy storage technology which is not described in subclause (I) or (II) of clause (ii) and does not satisfy the requirements described in subclause (III) of such clause, the applicable percentage shall be 6 percent.

''(ii) ALTERNATIVE RATE.—In the case of any energy storage technology—

''(I) with a capacity of less than 1 megawatt,

''(II) the construction of which begins prior to the date that is 60 days after the Secretary publishes guidance with respect to the requirements of paragraphs (3) and (4) of subsection (d), or

''(III) which—

''(aa) satisfies the requirements of subsection (d)(3), and

''(bb) with respect to the construction of such property, satisfies the requirements of subsection (d)(4),

the applicable percentage shall be 30 percent.

''(3) INCREASE IN CREDIT RATE IN CERTAIN CASES.—

''(A) ENERGY COMMUNITIES.—

''(i) IN GENERAL.—In the case of any qualified investment with respect to a qualified facility or with respect to energy storage technology which is placed in service within an energy community (as defined in section 45(b)(11)(B)), for purposes of applying paragraph (2) with respect to such property or investment, the applicable percentage shall be increased by the applicable credit rate increase.

''(ii) APPLICABLE CREDIT RATE INCREASE.—For purposes of clause (i), the applicable credit rate increase shall be an amount equal to—

''(I) in the case of any qualified investment with respect to a qualified facility described in paragraph (2)(A)(i) or with respect to energy storage technology described in paragraph (2)(B)(i), 2 percentage points, and

''(II) in the case of any qualified investment with respect to a qualified facility described in paragraph (2)(A)(ii) or with respect to energy storage technology described in paragraph (2)(B)(ii), 10 percentage points.

''(B) DOMESTIC CONTENT.—Rules similar to the rules of section 48(a)(12) shall apply.

''(b) QUALIFIED INVESTMENT WITH RESPECT TO A QUALIFIED FACILITY.—

''(1) IN GENERAL.—For purposes of subsection (a), the qualified investment with respect to any qualified facility for any taxable year is the sum of—

''(A) the basis of any qualified property placed in service by the taxpayer during such taxable year which is part of a qualified facility, plus

''(B) the amount of any expenditures which are—

''(i) paid or incurred by the taxpayer for qualified interconnection property—

''(I) in connection with a qualified facility which has a maximum net output of not greater than 5 megawatts (as measured in alternating current), and

''(II) placed in service during the taxable year of the taxpayer, and

''(ii) properly chargeable to capital account of the taxpayer.

''(2) QUALIFIED PROPERTY.—For purposes of this section, the term 'qualified property' means property—

''(A) which is—

''(i) tangible personal property, or

''(ii) other tangible property (not including a building or its structural components), but only if such property is used as an integral part of the qualified facility,

''(B) with respect to which depreciation (or amortization in lieu of depreciation) is allowable, and

''(C)(i) the construction, reconstruction, or erection of which is completed by the taxpayer, or

''(ii) which is acquired by the taxpayer if the original use of such property commences with the taxpayer.

''(3) QUALIFIED FACILITY.—

''(A) IN GENERAL.—For purposes of this section, the term 'qualified facility' means a facility—

''(i) which is used for the generation of electricity,

''(ii) which is placed in service after December 31, 2024, and

''(iii) for which the anticipated greenhouse gas emissions rate (as determined under subparagraph (B)(ii)) is not greater than zero.

''(B) ADDITIONAL RULES.—

''(i) EXPANSION OF FACILITY; INCREMENTAL PRODUCTION.—Rules similar to the rules of section 45Y(b)(1)(C) shall apply for purposes of this paragraph.

''(ii) GREENHOUSE GAS EMISSIONS RATE.—Rules similar to the rules of section 45Y(b)(2) shall apply for purposes of this paragraph.

''(C) EXCLUSION.—The term 'qualified facility' shall not include any facility for which—

''(i) a renewable electricity production credit determined under section 45,

''(ii) an advanced nuclear power facility production credit determined under section 45J,

''(iii) a carbon oxide sequestration credit determined under section 45Q,

''(iv) a zero-emission nuclear power production credit determined under section 45U,

''(v) a clean electricity production credit determined under section 45Y,

''(vi) an energy credit determined under section 48, or

''(vii) a qualifying advanced coal project credit under section 48A,

is allowed under section 38 for the taxable year or any prior taxable year.

''(4) QUALIFIED INTERCONNECTION PROPERTY.—For purposes of this paragraph, the term 'qualified interconnection property' has the meaning given such term in section 48(a)(8)(B).

''(5) COORDINATION WITH REHABILITATION CREDIT.—The qualified investment with respect to any qualified facility for any taxable year shall not include that portion of the basis of any property which is attributable to qualified rehabilitation expenditures (as defined in section 47(c)(2)).

''(6) DEFINITIONS.—For purposes of this subsection, the terms 'CO2e per KWh' and 'greenhouse gas emissions rate' have the same meaning given such terms under section 45Y.

''(c) QUALIFIED INVESTMENT WITH RESPECT TO ENERGY STORAGE TECHNOLOGY.—

''(1) QUALIFIED INVESTMENT.—For purposes of subsection (a), the qualified investment with respect to energy storage technology for any taxable year is the basis of any energy storage technology placed in service by the taxpayer during such taxable year.

''(2) ENERGY STORAGE TECHNOLOGY.—For purposes of this section, the term 'energy storage technology' has the meaning given such term in section 48(c)(6) (except that subparagraph (D) of such section shall not apply).

''(d) SPECIAL RULES.—

''(1) CERTAIN PROGRESS EXPENDITURE RULES MADE APPLICABLE.—Rules similar to the rules of subsections (c)(4) and (d) of section 46 (as in effect on the day before the date of the enactment of the Revenue Reconciliation Act of 1990) shall apply for purposes of subsection (a).

''(2) SPECIAL RULE FOR PROPERTY FINANCED BY SUBSIDIZED ENERGY FINANCING OR PRIVATE ACTIVITY BONDS.—Rules similar to the rules of section 45(b)(3) shall apply.

''(3) PREVAILING WAGE REQUIREMENTS.—Rules similar to the rules of section 48(a)(10) shall apply.

''(4) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(5) DOMESTIC CONTENT REQUIREMENT FOR ELECTIVE PAYMENT.—In the case of a taxpayer making an election under section 6417 with respect to a credit under this section, rules similar to the rules of section 45Y(g)(12) shall apply.

''(e) CREDIT PHASE-OUT.—

''(1) IN GENERAL.—The amount of the clean electricity investment credit under subsection (a) for any qualified investment with respect to any qualified facility or energy storage technology the construction of which begins during a calendar year described in paragraph (2) shall be equal to the product of—

''(A) the amount of the credit determined under subsection (a) without regard to this subsection, multiplied by

''(B) the phase-out percentage under paragraph (2).

''(2) PHASE-OUT PERCENTAGE.—The phase-out percentage under this paragraph is equal to—

''(A) for any qualified investment with respect to any qualified facility or energy storage technology the construction of which begins during the first calendar year following the applicable year, 100 percent,

''(B) for any qualified investment with respect to any qualified facility or energy storage technology the construction of which begins during the second calendar year following the applicable year, 75 percent,

''(C) for any qualified investment with respect to any qualified facility or energy storage technology the construction of which begins during the third calendar year following the applicable year, 50 percent, and

''(D) for any qualified investment with respect to any qualified facility or energy storage technology the construction of which begins during any calendar year subsequent to the calendar year described in subparagraph (C), 0 percent.

''(3) APPLICABLE YEAR.—For purposes of this subsection, the term 'applicable year' has the same meaning given such term in section 45Y(d)(3).

''(f) GREENHOUSE GAS.—In this section, the term 'greenhouse gas' has the same meaning given such term under section 45Y(e)(2).

''(g) RECAPTURE OF CREDIT.—For purposes of section 50, if the Secretary determines that the greenhouse gas emissions rate for a qualified facility is greater than 10 grams of CO_2e per KWh, any property for which a credit was allowed under this section with respect to such facility shall cease to be investment credit property in the taxable year in which the determination is made.

''(h) SPECIAL RULES FOR CERTAIN FACILITIES PLACED IN SERVICE IN CONNECTION WITH LOW-INCOME COMMUNITIES.—

''(1) IN GENERAL.—In the case of any applicable facility with respect to which the Secretary makes an allocation of environmental justice capacity limitation under paragraph (4)—

''(A) the applicable percentage otherwise determined under subsection (a)(2) with respect to any eligible property which is part of such facility shall be increased by—

''(i) in the case of a facility described in subclause (I) of paragraph (2)(A)(iii) and not described in subclause (II) of such paragraph, 10 percentage points, and

''(ii) in the case of a facility described in subclause (II) of paragraph (2)(A)(iii), 20 percentage points, and

''(B) the increase in the credit determined under subsection (a) by reason of this subsection for any taxable year with respect to all property which is part of such facility shall not exceed the amount which bears the same ratio to the amount of such increase (determined without regard to this subparagraph) as—

''(i) the environmental justice capacity limitation allocated to such facility, bears to

''(ii) the total megawatt nameplate capacity of such facility, as measured in direct current.

''(2) APPLICABLE FACILITY.—For purposes of this subsection—

''(A) IN GENERAL.—The term 'applicable facility' means any qualified facility—

''(i) which is not described in section 45Y(b)(2)(B),

''(ii) which has a maximum net output of less than 5 megawatts (as measured in alternating current), and

''(iii) which—

''(I) is located in a low-income community (as defined in section 45D(e)) or on Indian land (as defined in section 2601(2) of the Energy Policy Act of 1992 (25 U.S.C. 3501(2))), or

''(II) is part of a qualified low-income residential building project or a qualified low-income economic benefit project.

''(B) QUALIFIED LOW-INCOME RESIDENTIAL BUILDING PROJECT.—A facility shall be treated as part of a qualified low-income residential building project if—

''(i) such facility is installed on a residential rental building which participates in a covered housing program (as defined in section 41411(a) of the Violence Against Women Act of 1994 (34 U.S.C. 12491(a)(3)), a housing assistance program administered by the Department of Agriculture under title V of the Housing Act of 1949, a housing program administered by a tribally designated housing entity (as defined in section 4(22) of the Native American Housing Assistance and Self-Determination Act of 1996 (25 U.S.C. 4103(22))) or such other affordable housing programs as the Secretary may provide, and

''(ii) the financial benefits of the electricity produced by such facility are allocated equitably among the occupants of the dwelling units of such building.

''(C) QUALIFIED LOW-INCOME ECONOMIC BENEFIT PROJECT.—A facility shall be treated as part of a qualified low-income economic benefit project if at least 50 percent of the financial benefits of the electricity produced by such facility are provided to households with income of—

''(i) less than 200 percent of the poverty line (as defined in section 36B(d)(3)(A)) applicable to a family of the size involved, or

''(ii) less than 80 percent of area median gross income (as determined under section 142(d)(2)(B)).

''(D) FINANCIAL BENEFIT.—For purposes of subparagraphs (B) and (C), electricity acquired at a below-market rate shall not fail to be taken into account as a financial benefit.

''(3) ELIGIBLE PROPERTY.—For purposes of this subsection, the term 'eligible property' means a qualified investment with respect to any applicable facility.

''(4) ALLOCATIONS.—

''(A) IN GENERAL.—Not later than January 1, 2025, the Secretary shall establish a program to allocate amounts of environmental justice capacity limitation to applicable facilities. In establishing such program and to carry out the purposes of this subsection, the Secretary shall provide procedures to allow for an efficient allocation process, including, when determined appropriate, consideration of multiple projects in a single application if such projects will be placed in service by a single taxpayer.

''(B) LIMITATION.—The amount of environmental justice capacity limitation allocated by the Secretary under subparagraph (A) during any calendar year shall not exceed the annual capacity limitation with respect to such year.

''(C) ANNUAL CAPACITY LIMITATION.—For purposes of this paragraph, the term 'annual capacity limitation' means 1.8 gigawatts of direct current capacity for each calendar year during the period beginning on January 1, 2025, and ending on December 31 of the applicable year (as defined in section 45Y(d)(3)), and zero thereafter.

''(D) CARRYOVER OF UNUSED LIMITATION.—

''(i) IN GENERAL.—If the annual capacity limitation for any calendar year exceeds the aggregate amount allocated for such year under this paragraph, such limitation for the succeeding calendar year shall be increased by the amount of such excess. No amount may be carried under the preceding sentence to any calendar year after the third calendar year following the applicable year (as defined in section 45Y(d)(3)).

''(ii) CARRYOVER FROM SECTION 48 FOR CALENDAR YEAR 2025.—If the annual capacity limitation for calendar year 2024 under section 48(e)(4)(D) exceeds the aggregate amount allocated for such year under such section, such excess amount may be carried over and applied to the annual capacity limitation under this subsection for calendar year 2025. The annual capacity limitation for calendar year 2025 shall be increased by the amount of such excess.

''(E) PLACED IN SERVICE DEADLINE.—

''(i) IN GENERAL.—Paragraph (1) shall not apply with respect to any property which is placed in service after the date that is 4 years after the date of the allocation with respect to the facility of which such property is a part.

''(ii) APPLICATION OF CARRYOVER.—Any amount of environmental justice capacity limitation which expires under clause (i) during any calendar year shall be taken into account as an excess described in subparagraph (D)(i) (or as an increase in such excess) for such calendar year, subject to the limitation imposed by the last sentence of such subparagraph.

''(5) RECAPTURE.—The Secretary shall, by regulations or other guidance, provide for recapturing the benefit of any increase in the credit allowed under subsection (a) by reason of this subsection with respect to any property which ceases to be property eligible for such increase (but which does not cease to be investment credit property within the meaning of section 50(a)). The period and percentage of such recapture shall be determined under rules similar to the rules of section 50(a). To the extent provided by the Secretary, such recapture may not apply with respect to any property if, within 12 months after the date the taxpayer becomes aware (or reasonably should have become aware) of such property ceasing to be property eligible for such increase, the eligibility of such property for such increase is restored. The preceding sentence shall not apply more than once with respect to any facility.

''(i) GUIDANCE.—Not later than January 1, 2025, the Secretary shall issue guidance regarding implementation of this section.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 46, as amended by section 107(d) of the CHIPS Act of 2022, is amended—

(A) in paragraph (5), by striking ''and'' at the end,

(B) in paragraph (6), by striking the period at the end and inserting '', and'', and

(C) by adding at the end the following:

''(7) the clean electricity investment credit.''.

(2) Section 49(a)(1)(C), as amended by section 107(d) of the CHIPS Act of 2022, is amended—

(A) by striking ''and'' at the end of clause (v),

(B) by striking the period at the end of clause (vi) and inserting a comma, and

(C) by adding at the end the following new clauses:

''(vii) the basis of any qualified property which is part of a qualified facility under section 48E, and

''(viii) the basis of any energy storage technology under section 48E.''.

(3) Section 50(a)(2)(E), as amended by section 107(d) of the CHIPS Act of 2022, is amended by striking ''or 48D(b)(5)'' and inserting ''48D(b)(5), or 48E(e)''.

(4) Section 50(c)(3) is amended by inserting ''or clean electricity investment credit'' after ''In the case of any energy credit''.

(5) The table of sections for subpart E of part IV of subchapter A of chapter 1, as amended by section 107(d) of the CHIPS Act of 2022, is amended by inserting after the item relating to section 48D the following new item:

''48E. Clean electricity investment credit.''.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to property placed in service after December 31, 2024.

SEC. 13703. COST RECOVERY FOR QUALIFIED FACILITIES, QUALIFIED PROPERTY, AND ENERGY STORAGE TECHNOLOGY.

(a) IN GENERAL.—Section 168(e)(3)(B) is amended—

(1) in clause (vi)(III), by striking ''and'' at the end,

(2) in clause (vii), by striking the period at the end and inserting '', and'', and

(3) by inserting after clause (vii) the following:

''(viii) any qualified facility (as defined in section 45Y(b)(1)(A)), any qualified property (as defined in subsection (b)(2) of section 48E) which is a qualified investment (as defined in subsection (b)(1) of such section), or any energy storage technology (as defined in subsection (c)(2) of such section).''.

(b) EFFECTIVE DATE.—The amendments made by this section shall apply to facilities and property placed in service after December 31, 2024.

SEC. 13704. CLEAN FUEL PRODUCTION CREDIT.

(a) IN GENERAL.—Subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new section:

''SEC. 45Z. CLEAN FUEL PRODUCTION CREDIT.

''(a) AMOUNT OF CREDIT.—

''(1) IN GENERAL.—For purposes of section 38, the clean fuel production credit for any taxable year is an amount equal to the product of—

''(A) the applicable amount per gallon (or gallon equivalent) with respect to any transportation fuel which is—

''(i) produced by the taxpayer at a qualified facility, and

''(ii) sold by the taxpayer in a manner described in paragraph (4) during the taxable year, and

''(B) the emissions factor for such fuel (as determined under subsection (b)).

''(2) APPLICABLE AMOUNT.—

''(A) BASE AMOUNT.—In the case of any transportation fuel produced at a qualified facility which does not satisfy the requirements described in subparagraph (B), the applicable amount shall be 20 cents.

''(B) ALTERNATIVE AMOUNT.—In the case of any transportation fuel produced at a qualified facility which satisfies the requirements under paragraphs (6) and (7) of subsection (f), the applicable amount shall be $1.00.

''(3) SPECIAL RATE FOR SUSTAINABLE AVIATION FUEL.—

''(A) IN GENERAL.—In the case of a transportation fuel which is sustainable aviation fuel, paragraph (2) shall be applied—

''(i) in the case of fuel produced at a qualified facility described in paragraph (2)(A), by substituting '35 cents' for '20 cents', and

''(ii) in the case of fuel produced at a qualified facility described in paragraph (2)(B), by substituting '$1.75' for '$1.00'.

''(B) SUSTAINABLE AVIATION FUEL.—For purposes of this subparagraph (A), the term 'sustainable aviation fuel' means liquid fuel, the portion of which is not kerosene, which is sold for use in an aircraft and which—

''(i) meets the requirements of—

''(I) ASTM International Standard D7566, or

''(II) the Fischer Tropsch provisions of ASTM International Standard D1655, Annex A1, and

''(ii) is not derived from palm fatty acid distillates or petroleum.

''(4) SALE.—For purposes of paragraph (1), the transportation fuel is sold in a manner described in this paragraph if such fuel is sold by the taxpayer to an unrelated person—

''(A) for use by such person in the production of a fuel mixture,

''(B) for use by such person in a trade or business, or

''(C) who sells such fuel at retail to another person and places such fuel in the fuel tank of such other person.

''(5) ROUNDING.—If any amount determined under paragraph (1) is not a multiple of 1 cent, such amount shall be rounded to the nearest cent.

''(b) EMISSIONS FACTORS.—

''(1) EMISSIONS FACTOR.—

''(A) CALCULATION.—

''(i) IN GENERAL.—The emissions factor of a transportation fuel shall be an amount equal to the quotient of—

''(I) an amount equal to—

''(aa) 50 kilograms of CO_2e per mmBTU, minus

''(bb) the emissions rate for such fuel, divided by

''(II) 50 kilograms of CO_2e per mmBTU.

''(B) ESTABLISHMENT OF EMISSIONS RATE.—

''(i) IN GENERAL.—Subject to clauses (ii) and (iii), the Secretary shall annually publish a table which sets forth the emissions rate for similar types and categories of transportation fuels based on the amount of lifecycle greenhouse gas emissions (as described in section 211(o)(1)(H) of the Clean Air Act (42 U.S.C. 7545(o)(1)(H)), as in effect on the date of the enactment of this section) for such fuels, expressed as kilograms of CO_2e per mmBTU, which a taxpayer shall use for purposes of this section.

''(ii) NON-AVIATION FUEL.—In the case of any transportation fuel which is not a sustainable aviation fuel, the lifecycle greenhouse gas emissions of such fuel shall be based on the most recent determinations under the Greenhouse gases, Regulated Emissions, and Energy use in Transportation model developed by Argonne National Laboratory, or a successor model (as determined by the Secretary).

''(iii) AVIATION FUEL.—In the case of any transportation fuel which is a sustainable aviation fuel, the lifecycle greenhouse gas emissions of such fuel shall be determined in accordance with—

''(I) the most recent Carbon Offsetting and Reduction Scheme for International Aviation which has been adopted by the International Civil Aviation Organization with the agreement of the United States, or

''(II) any similar methodology which satisfies the criteria under section 211(o)(1)(H) of the Clean Air Act (42 U.S.C. 7545(o)(1)(H)), as in effect on the date of enactment of this section.

''(C) ROUNDING OF EMISSIONS RATE.—

''(i) IN GENERAL.—Subject to clause (ii), the Secretary may round the emissions rates under subparagraph (B) to the nearest multiple of 5 kilograms of CO_2e per mmBTU.

''(ii) EXCEPTION.—In the case of an emissions rate that is between 2.5 kilograms of CO_2e per mmBTU and -2.5 kilograms of CO_2e per mmBTU, the Secretary may round such rate to zero.

''(D) PROVISIONAL EMISSIONS RATE.—In the case of any transportation fuel for which an emissions rate has not been established under subparagraph (B), a taxpayer producing such fuel may file a petition with the Secretary for determination of the emissions rate with respect to such fuel.

''(2) ROUNDING.—If any amount determined under paragraph (1)(A) is not a multiple of 0.1, such amount shall be rounded to the nearest multiple of 0.1.

''(c) INFLATION ADJUSTMENT.—

''(1) IN GENERAL.—In the case of calendar years beginning after 2024, the 20 cent amount in subsection (a)(2)(A), the $1.00 amount in subsection (a)(2)(B), the 35 cent amount in subsection (a)(3)(A)(i), and the $1.75 amount in subsection (a)(3)(A)(ii) shall each be adjusted by multiplying such amount by the inflation adjustment factor for the calendar year in which the sale of the transportation fuel occurs. If any amount as increased under the preceding sentence is not a multiple of 1 cent, such amount shall be rounded to the nearest multiple of 1 cent.

''(2) INFLATION ADJUSTMENT FACTOR.—For purposes of paragraph (1), the inflation adjustment factor shall be the inflation adjustment factor determined and published by the Secretary pursuant to section 45Y(c), determined by substituting 'calendar year 2022' for 'calendar year 1992' in paragraph (3) thereof.

''(d) DEFINITIONS.—In this section:

''(1) mmBTU.—The term 'mmBTU' means 1,000,000 British thermal units.

''(2) CO_2e.—The term 'CO_2e' means, with respect to any greenhouse gas, the equivalent carbon dioxide (as determined based on relative global warming potential).

''(3) GREENHOUSE GAS.—The term 'greenhouse gas' has the same meaning given that term under section 211(o)(1)(G) of the Clean Air Act (42 U.S.C. 7545(o)(1)(G)), as in effect on the date of the enactment of this section.

''(4) QUALIFIED FACILITY.—The term 'qualified facility'—

''(A) means a facility used for the production of transportation fuels, and

''(B) does not include any facility for which one of the following credits is allowed under section 38 for the taxable year:

''(i) The credit for production of clean hydrogen under section 45V.

''(ii) The credit determined under section 46 to the extent that such credit is attributable to the energy credit determined under section 48 with respect to any specified clean hydrogen production facility for which an election is made under subsection (a)(15) of such section.

''(iii) The credit for carbon oxide sequestration under section 45Q.

''(5) TRANSPORTATION FUEL.—

''(A) IN GENERAL.—The term 'transportation fuel' means a fuel which—

''(i) is suitable for use as a fuel in a highway vehicle or aircraft,

''(ii) has an emissions rate which is not greater than 50 kilograms of CO_2e per mmBTU, and

''(iii) is not derived from coprocessing an applicable material (or materials derived from an applicable material) with a feedstock which is not biomass.

''(B) DEFINITIONS.—In this paragraph—

''(i) APPLICABLE MATERIAL.—The term 'applicable material' means—

''(I) monoglycerides, diglycerides, and triglycerides,

''(II) free fatty acids, and

''(III) fatty acid esters.

''(ii) BIOMASS.—The term 'biomass' has the same meaning given such term in section 45K(c)(3).

''(e) GUIDANCE.—Not later than January 1, 2025, the Secretary shall issue guidance regarding implementation of this section, including calculation of emissions factors for transportation fuel, the table described in subsection (b)(1)(B)(i), and the determination of clean fuel production credits under this section.

''(f) SPECIAL RULES.—

''(1) ONLY REGISTERED PRODUCTION IN THE UNITED STATES TAKEN INTO ACCOUNT.—

''(A) IN GENERAL.—No clean fuel production credit shall be determined under subsection (a) with respect to any transportation fuel unless—

''(i) the taxpayer—

''(I) is registered as a producer of clean fuel under section 4101 at the time of production, and

''(II) in the case of any transportation fuel which is a sustainable aviation fuel, provides—

''(aa) certification (in such form and manner as the Secretary shall prescribe) from an unrelated party demonstrating compliance with—

''(AA) any general requirements, supply chain traceability requirements, and information transmission requirements established under the Carbon Offsetting and Reduction Scheme for International Aviation

described in subclause (I) of subsection (b)(1)(B)(iii), or

''(BB) in the case of any methodology described in subclause (II) of such subsection, requirements similar to the requirements described in subitem (AA), and

''(bb) such other information with respect to such fuel as the Secretary may require for purposes of carrying out this section, and

''(ii) such fuel is produced in the United States.

''(B) UNITED STATES.—For purposes of this paragraph, the term 'United States' includes any possession of the United States.

''(2) PRODUCTION ATTRIBUTABLE TO THE TAXPAYER.—In the case of a facility in which more than 1 person has an ownership interest, except to the extent provided in regulations prescribed by the Secretary, production from the facility shall be allocated among such persons in proportion to their respective ownership interests in the gross sales from such facility.

''(3) RELATED PERSONS.—Persons shall be treated as related to each other if such persons would be treated as a single employer under the regulations prescribed under section 52(b). In the case of a corporation which is a member of an affiliated group of corporations filing a consolidated return, such corporation shall be treated as selling fuel to an unrelated person if such fuel is sold to such a person by another member of such group.

''(4) PASS-THRU IN THE CASE OF ESTATES AND TRUSTS.—Under regulations prescribed by the Secretary, rules similar to the rules of subsection (d) of section 52 shall apply.

''(5) ALLOCATION OF CREDIT TO PATRONS OF AGRICULTURAL COOPERATIVE.—Rules similar to the rules of section 45Y(g)(6) shall apply.

''(6) PREVAILING WAGE REQUIREMENTS.—

''(A) IN GENERAL.—Subject to subparagraph (B), rules similar to the rules of section 45(b)(7) shall apply.

''(B) SPECIAL RULE FOR FACILITIES PLACED IN SERVICE BEFORE JANUARY 1, 2025.—For purposes of subparagraph (A), in the case of any qualified facility placed in service before January 1, 2025—

''(i) clause (i) of section 45(b)(7)(A) shall not apply, and

''(ii) clause (ii) of such section shall be applied by substituting 'with respect to any taxable year beginning after December 31, 2024, for which the credit is allowed under this section' for 'with respect to any taxable year, for any portion of such taxable year which is within the period described in subsection (a)(2)(A)(ii)'.

''(7) APPRENTICESHIP REQUIREMENTS.—Rules similar to the rules of section 45(b)(8) shall apply.

''(g) TERMINATION.—This section shall not apply to transportation fuel sold after December 31, 2027.''.

(b) CONFORMING AMENDMENTS.—

(1) Section 25C(d)(3), as amended by the preceding provisions of this Act, is amended—

(A) in subparagraph (A), by striking ''and'' at the end,

(B) in subparagraph (B), by striking the period at the end and inserting '', and'', and

(C) by adding at the end the following new subparagraph:

''(C) transportation fuel (as defined in section 45Z(d)(5)).''.

(2) Section 30C(c)(1)(B), as amended by the preceding provisions of this Act, is amended by adding at the end the following new clause:

''(iv) Any transportation fuel (as defined in section 45Z(d)(5)).''.

(3) Section 38(b), as amended by the preceding provisions of this Act, is amended—

(A) in paragraph (38), by striking ''plus'' at the end,

(B) in paragraph (39), by striking the period at the end and inserting '', plus'', and

(C) by adding at the end the following new paragraph:

''(40) the clean fuel production credit determined under section 45Z(a).''.

(4) The table of sections for subpart D of part IV of subchapter A of chapter 1, as amended by the preceding provisions of this Act, is amended by adding at the end the following new item:

''Sec. 45Z. Clean fuel production credit.''.

(5) Section 4101(a)(1), as amended by the preceding provisions of this Act, is amended by inserting ''every person producing a fuel eligible for the clean fuel production credit (pursuant to section 45Z),'' after ''section 6426(k)(3)),''.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to transportation fuel produced after December 31, 2024.

PART 8—CREDIT MONETIZATION AND APPROPRIATIONS

SEC. 13801. ELECTIVE PAYMENT FOR ENERGY PROPERTY AND ELECTRICITY PRODUCED FROM CERTAIN RENEWABLE RESOURCES, ETC.

(a) IN GENERAL.—Subchapter B of chapter 65 is amended by inserting after section 6416 the following new section:

''SEC. 6417. ELECTIVE PAYMENT OF APPLICABLE CREDITS.

''(a) IN GENERAL.—In the case of an applicable entity making an election (at such time and in such manner as the Secretary may provide) under this section with respect to any applicable credit determined with respect to such entity, such entity shall be treated as making a payment against the tax imposed by subtitle A (for the taxable year with respect to which such credit was determined) equal to the amount of such credit.

''(b) APPLICABLE CREDIT.—The term 'applicable credit' means each of the following:

''(1) So much of the credit for alternative fuel vehicle refueling property allowed under section 30C which, pursuant to subsection (d)(1) of such section, is treated as a credit listed in section 38(b).

''(2) So much of the renewable electricity production credit determined under section 45(a) as is attributable to qualified facilities which are originally placed in service after December 31, 2022.

''(3) So much of the credit for carbon oxide sequestration determined under section 45Q(a) as is attributable to carbon capture equipment which is originally placed in service after December 31, 2022.

''(4) The zero-emission nuclear power production credit determined under section 45U(a).

''(5) So much of the credit for production of clean hydrogen determined under section 45V(a) as is attributable to qualified clean hydrogen production facilities which are originally placed in service after December 31, 2012.

''(6) In the case of a tax-exempt entity described in clause (i), (ii), or (iv) of section 168(h)(2)(A), the credit for qualified commercial vehicles determined under section 45W by reason of subsection (d)(3) thereof.

''(7) The credit for advanced manufacturing production under section 45X(a).

''(8) The clean electricity production credit determined under section 45Y(a).

''(9) The clean fuel production credit determined under section 45Z(a).

''(10) The energy credit determined under section 48.

''(11) The qualifying advanced energy project credit determined under section 48C.

''(12) The clean electricity investment credit determined under section 48E.

''(c) APPLICATION TO PARTNERSHIPS AND S CORPORATIONS.—

''(1) IN GENERAL.—In the case of any applicable credit determined with respect to any facility or property held directly by a partnership or S corporation, any election under subsection (a) shall be made by such partnership or S corporation. If such partnership or S corporation makes an election under such subsection (in such manner as the Secretary may provide) with respect to such credit—

''(A) the Secretary shall make a payment to such partnership or S corporation equal to the amount of such credit,

''(B) subsection (e) shall be applied with respect to such credit before determining any partner's distributive share, or shareholder's pro rata share, of such credit,

''(C) any amount with respect to which the election in subsection (a) is made shall be treated as tax exempt income for purposes of sections 705 and 1366, and

''(D) a partner's distributive share of such tax exempt income shall be based on such partner's distributive share of the otherwise applicable credit for each taxable year.

''(2) COORDINATION WITH APPLICATION AT PARTNER OR SHAREHOLDER LEVEL.—In the case of any facility or property held directly by a partnership or S corporation, no election by any partner or shareholder shall be allowed under subsection (a) with respect to any applicable credit determined with respect to such facility or property.

''(3) TREATMENT OF PAYMENTS TO PARTNERSHIPS AND S CORPORATIONS.—For purposes of section 1324 of title 31, United States Code, the payments under paragraph (1)(A) shall be treated in the same manner as a refund due from a credit provision referred to in subsection (b)(2) of such section.

''(d) SPECIAL RULES.—For purposes of this section—

''(1) APPLICABLE ENTITY.—

''(A) IN GENERAL.—The term 'applicable entity' means—

''(i) any organization exempt from the tax imposed by subtitle A,

''(ii) any State or political subdivision thereof,

''(iii) the Tennessee Valley Authority,

''(iv) an Indian tribal government (as defined in section 30D(g)(9)),

''(v) any Alaska Native Corporation (as defined in section 3 of the Alaska Native Claims Settlement Act (43 U.S.C. 1602(m)), or

''(vi) any corporation operating on a cooperative basis which is engaged in furnishing electric energy to persons in rural areas.

''(B) ELECTION WITH RESPECT TO CREDIT FOR PRODUCTION OF CLEAN HYDROGEN.—If a taxpayer other than an entity described in subparagraph (A) makes an election under this subparagraph with respect to any taxable year in which such taxpayer has placed in service a qualified clean hydrogen production facility (as defined in section 45V(c)(3)), such taxpayer shall be treated as an applicable entity for purposes of this section for such taxable year, but only with respect to the credit described in subsection (b)(5).

''(C) ELECTION WITH RESPECT TO CREDIT FOR CARBON OXIDE SEQUESTRATION.—If a taxpayer other than an entity described in subparagraph (A) makes an election under this subparagraph with respect to any taxable year in which such taxpayer has, after December 31, 2022, placed in service carbon capture equipment at a qualified facility (as defined in section 45Q(d)), such taxpayer shall be treated as an applicable entity for purposes of this section for such taxable year, but only with respect to the credit described in subsection (b)(3).

''(D) ELECTION WITH RESPECT TO ADVANCED MANUFACTURING PRODUCTION CREDIT.—

''(i) IN GENERAL.—If a taxpayer other than an entity described in subparagraph (A) makes an election under this subparagraph with respect to any taxable year in which

such taxpayer has, after December 31, 2022, produced eligible components (as defined in section 45X(c)(1)), such taxpayer shall be treated as an applicable entity for purposes of this section for such taxable year, but only with respect to the credit described in subsection (b)(7).

''(ii) LIMITATION.—

''(I) IN GENERAL.—Except as provided in subclause (II), if a taxpayer makes an election under this subparagraph with respect to any taxable year, such taxpayer shall be treated as having made such election for each of the 4 succeeding taxable years ending before January 1, 2033.

''(II) EXCEPTION.—A taxpayer may elect to revoke the application of the election made under this subparagraph to any taxable year described in subclause (I). Any such election, if made, shall apply to the applicable year specified in such election and each subsequent taxable year within the period described in subclause (I). Any election under this subclause may not be subsequently revoked.

''(iii) PROHIBITION ON TRANSFER.—For any taxable year described in clause (ii)(I), no election may be made by the taxpayer under section 6418(a) for such taxable year with respect to eligible components for purposes of the credit described in subsection (b)(7).

''(E) OTHER RULES.—

''(i) IN GENERAL.—An election made under subparagraph (B), (C), or (D) shall be made at such time and in such manner as the Secretary may provide.

''(ii) LIMITATION.—No election may be made under subparagraph (B), (C), or (D) with respect to any taxable year beginning after December 31, 2032.

''(2) APPLICATION.—In the case of any applicable entity which makes the election described in subsection (a), any applicable credit shall be determined—

''(A) without regard to paragraphs (3) and (4)(A)(i) of section 50(b), and

''(B) by treating any property with respect to which such credit is determined as used in a trade or business of the applicable entity.

''(3) ELECTIONS.—

''(A) IN GENERAL.—

''(i) DUE DATE.—Any election under subsection (a) shall be made not later than—

''(I) in the case of any government, or political subdivision, described in paragraph (1) and for which no return is required under section 6011 or 6033(a), such date as is determined appropriate by the Secretary, or

''(II) in any other case, the due date (including extensions of time) for the return of tax for the taxable year for which the election is made, but in no event earlier than 180 days after the date of the enactment of this section.

''(ii) ADDITIONAL RULES.—Any election under subsection (a), once made, shall be irrevocable and shall apply (except as otherwise provided in this paragraph) with respect to any credit for the taxable year for which the election is made.

''(B) RENEWABLE ELECTRICITY PRODUCTION CREDIT.—In the case of the credit described in subsection (b)(2), any election under subsection (a) shall—

''(i) apply separately with respect to each qualified facility,

''(ii) be made for the taxable year in which such qualified facility is originally placed in service, and

''(iii) shall apply to such taxable year and to any subsequent taxable year which is within the period described in subsection (a)(2)(A)(ii) of section 45 with respect to such qualified facility.

''(C) CREDIT FOR CARBON OXIDE SEQUESTRATION.—

''(i) IN GENERAL.—In the case of the credit described in subsection (b)(3), any election under subsection (a) shall—

''(I) apply separately with respect to the carbon capture equipment originally placed in service by the applicable entity during a taxable year, and

''(II)(aa) in the case of a taxpayer who makes an election described in paragraph (1)(C), apply to the taxable year in which such equipment is placed in service and the 4 subsequent taxable years with respect to such equipment which end before January 1, 2033, and

''(bb) in any other case, apply to such taxable year and to any subsequent taxable year which is within the period described in paragraph (3)(A) or (4)(A) of section 45Q(a) with respect to such equipment.

''(ii) PROHIBITION ON TRANSFER.—For any taxable year described in clause (i)(II)(aa) with respect to carbon capture equipment, no election may be made by the taxpayer under section 6418(a) for such taxable year with respect to such equipment for purposes of the credit described in subsection (b)(3).

''(iii) REVOCATION OF ELECTION.—In the case of a taxpayer who makes an election described in paragraph (1)(C) with respect to carbon capture equipment, such taxpayer may, at any time during the period described in clause (i)(II)(aa), revoke the application of such election with respect to such equipment for any subsequent taxable years during such period. Any such election, if made, shall apply to the applicable year specified in such election and each subsequent taxable year within the period described in clause (i)(II)(aa). Any election under this subclause may not be subsequently revoked.

''(D) CREDIT FOR PRODUCTION OF CLEAN HYDROGEN.—

''(i) IN GENERAL.—In the case of the credit described in subsection (b)(5), any election under subsection (a) shall—

''(I) apply separately with respect to each qualified clean hydrogen production facility,

''(II) be made for the taxable year in which such facility is placed in service (or within the 1-year period subsequent to the date of enactment of this section in the case of facilities placed in service before December 31, 2022), and

''(III)(aa) in the case of a taxpayer who makes an election described in paragraph (1)(B), apply to such taxable year and the 4 subsequent taxable years with respect to such facility which end before January 1, 2033, and

''(bb) in any other case, apply to such taxable year and all subsequent taxable years with respect to such facility.

''(ii) PROHIBITION ON TRANSFER.—For any taxable year described in clause (i)(III)(aa) with respect to a qualified clean hydrogen production facility, no election may be made by the taxpayer under section 6418(a) for such taxable year with respect to such facility for purposes of the credit described in subsection (b)(5).

''(iii) REVOCATION OF ELECTION.—In the case of a taxpayer who makes an election described in paragraph (1)(B) with respect to a qualified clean hydrogen production facility, such taxpayer may, at any time during the period described in clause (i)(III)(aa), revoke the application of such election with respect to such facility for any subsequent taxable years during such period. Any such election, if made, shall apply to the applicable year specified in such election and each subsequent taxable year within the period described in clause (i)(II)(aa). Any election under this subclause may not be subsequently revoked.

''(E) CLEAN ELECTRICITY PRODUCTION CREDIT.—In the case of the credit described in subsection (b)(8), any election under subsection (a) shall—

''(i) apply separately with respect to each qualified facility,

''(ii) be made for the taxable year in which such facility is placed in service, and

''(iii) shall apply to such taxable year and to any subsequent taxable year which is within the period described in subsection (b)(1)(B) of section 45Y with respect to such facility.

''(4) TIMING.—The payment described in subsection (a) shall be treated as made on—

''(A) in the case of any government, or political subdivision, described in paragraph (1) and for which no return is required under section 6011 or 6033(a), the later of the date that a return would be due under section 6033(a) if such government or subdivision were described in that section or the date on which such government or subdivision submits a claim for credit or refund (at such time and in such manner as the Secretary shall provide), and

''(B) in any other case, the later of the due date (determined without regard to extensions) of the return of tax for the taxable year or the date on which such return is filed.

''(5) ADDITIONAL INFORMATION.—As a condition of, and prior to, any amount being treated as a payment which is made by an applicable entity under subsection (a), the Secretary may require such information or registration as the Secretary deems necessary for purposes of preventing duplication, fraud, improper payments, or excessive payments under this section.

''(6) EXCESSIVE PAYMENT.—

''(A) IN GENERAL.—In the case of any amount treated as a payment which is made by the applicable entity under subsection (a), or the amount of the payment made pursuant to subsection (c), which the Secretary determines constitutes an excessive payment, the tax imposed on such entity by chapter 1 (regardless of whether such entity would otherwise be subject to tax under such chapter) for the taxable year in which such determination is made shall be increased by an amount equal to the sum of—

''(i) the amount of such excessive payment, plus

''(ii) an amount equal to 20 percent of such excessive payment.

''(B) REASONABLE CAUSE.—Subparagraph (A)(ii) shall not apply if the applicable entity demonstrates to the satisfaction of the Secretary that the excessive payment resulted from reasonable cause.

''(C) EXCESSIVE PAYMENT DEFINED.—For purposes of this paragraph, the term 'excessive payment' means, with respect to a facility or property for which an election is made under this section for any taxable year, an amount equal to the excess of—

''(i) the amount treated as a payment which is made by the applicable entity under subsection (a), or the amount of the payment made pursuant to subsection (c), with respect to such facility or property for such taxable year, over

''(ii) the amount of the credit which, without application of this section, would be otherwise allowable (as determined pursuant to paragraph (2) and without regard to section 38(c)) under this title with respect to such facility or property for such taxable year.

''(e) DENIAL OF DOUBLE BENEFIT.—In the case of an applicable entity making an election under this section with respect to an applicable credit, such credit shall be reduced to zero and shall, for any other purposes under this title, be deemed to have been allowed to such entity for such taxable year.

''(f) MIRROR CODE POSSESSIONS.—In the case of any possession of the United States with a mirror code tax system (as defined in

section 24(k)), this section shall not be treated as part of the income tax laws of the United States for purposes of determining the income tax law of such possession unless such possession elects to have this section be so treated.

''(g) BASIS REDUCTION AND RECAPTURE.—Except as otherwise provided in subsection (c)(2)(A), rules similar to the rules of section 50 shall apply for purposes of this section.

''(h) REGULATIONS.—The Secretary shall issue such regulations or other guidance as may be necessary to carry out the purposes of this section, including guidance to ensure that the amount of the payment or deemed payment made under this section is commensurate with the amount of the credit that would be otherwise allowable (determined without regard to section 38(c)).''.

(b) TRANSFER OF CERTAIN CREDITS.—Subchapter B of chapter 65, as amended by subsection (a), is amended by inserting after section 6417 the following new section:

''SEC. 6418. TRANSFER OF CERTAIN CREDITS.

''(a) IN GENERAL.—In the case of an eligible taxpayer which elects to transfer all (or any portion specified in the election) of an eligible credit determined with respect to such taxpayer for any taxable year to a taxpayer (referred to in this section as the 'transferee taxpayer') which is not related (within the meaning of section 267(b) or 707(b)(1)) to the eligible taxpayer, the transferee taxpayer specified in such election (and not the eligible taxpayer) shall be treated as the taxpayer for purposes of this title with respect to such credit (or such portion thereof).

''(b) TREATMENT OF PAYMENTS MADE IN CONNECTION WITH TRANSFER.—With respect to any amount paid by a transferee taxpayer to an eligible taxpayer as consideration for a transfer described in subsection (a), such consideration—

''(1) shall be required to be paid in cash,

''(2) shall not be includible in gross income of the eligible taxpayer, and

''(3) with respect to the transferee taxpayer, shall not be deductible under this title.

''(c) APPLICATION TO PARTNERSHIPS AND S CORPORATIONS.—

''(1) IN GENERAL.—In the case of any eligible credit determined with respect to any facility or property held directly by a partnership or S corporation, if such partnership or S corporation makes an election under subsection (a) (in such manner as the Secretary may provide) with respect to such credit—

''(A) any amount received as consideration for a transfer described in such subsection shall be treated as tax exempt income for purposes of sections 705 and 1366, and

''(B) a partner's distributive share of such tax exempt income shall be based on such partner's distributive share of the otherwise eligible credit for each taxable year.

''(2) COORDINATION WITH APPLICATION AT PARTNER OR SHAREHOLDER LEVEL.—In the case of any facility or property held directly by a partnership or S corporation, no election by any partner or shareholder shall be allowed under subsection (a) with respect to any eligible credit determined with respect to such facility or property.

''(d) TAXABLE YEAR IN WHICH CREDIT TAKEN INTO ACCOUNT.—In the case of any credit (or portion thereof) with respect to which an election is made under subsection (a), such credit shall be taken into account in the first taxable year of the transferee taxpayer ending with, or after, the taxable year of the eligible taxpayer with respect to which the credit was determined.

''(e) LIMITATIONS ON ELECTION.—

''(1) TIME FOR ELECTION.—An election under subsection (a) to transfer any portion of an eligible credit shall be made not later than the due date (including extensions of time) for the return of tax for the taxable year for which the credit is determined, but in no event earlier than 180 days after the date of the enactment of this section. Any such election, once made, shall be irrevocable.

''(2) NO ADDITIONAL TRANSFERS.—No election may be made under subsection (a) by a transferee taxpayer with respect to any portion of an eligible credit which has been previously transferred to such taxpayer pursuant to this section.

''(f) DEFINITIONS.—For purposes of this section—

''(1) ELIGIBLE CREDIT.—

''(A) IN GENERAL.—The term 'eligible credit' means each of the following:

''(i) So much of the credit for alternative fuel vehicle refueling property allowed under section 30C which, pursuant to subsection (d)(1) of such section, is treated as a credit listed in section 38(b).

''(ii) The renewable electricity production credit determined under section 45(a).

''(iii) The credit for carbon oxide sequestration determined under section 45Q(a).

''(iv) The zero-emission nuclear power production credit determined under section 45U(a).

''(v) The clean hydrogen production credit determined under section 45V(a).

''(vi) The advanced manufacturing production credit determined under section 45X(a).

''(vii) The clean electricity production credit determined under section 45Y(a).

''(viii) The clean fuel production credit determined under section 45Z(a).

''(ix) The energy credit determined under section 48.

''(x) The qualifying advanced energy project credit determined under section 48C.

''(xi) The clean electricity investment credit determined under section 48E.

''(B) ELECTION FOR CERTAIN CREDITS.—In the case of any eligible credit described in clause (ii), (iii), (v), or (vii) of subparagraph (A), an election under subsection (a) shall be made—

''(i) separately with respect to each facility for which such credit is determined, and

''(ii) for each taxable year during the 10-year period beginning on the date such facility was originally placed in service (or, in the case of the credit described in clause (iii), for each year during the 12-year period beginning on the date the carbon capture equipment was originally placed in service at such facility).

''(C) EXCEPTION FOR BUSINESS CREDIT CARRYFORWARDS OR CARRYBACKS.—The term 'eligible credit' shall not include any business credit carryforward or business credit carryback determined under section 39.

''(2) ELIGIBLE TAXPAYER.—The term 'eligible taxpayer' means any taxpayer which is not described in section 6417(d)(1)(A).

''(g) SPECIAL RULES.—For purposes of this section—

''(1) ADDITIONAL INFORMATION.—As a condition of, and prior to, any transfer of any portion of an eligible credit pursuant to subsection (a), the Secretary may require such information (including, in such form or manner as is determined appropriate by the Secretary, such information returns) or registration as the Secretary deems necessary for purposes of preventing duplication, fraud, improper payments, or excessive payments under this section.

''(2) EXCESSIVE CREDIT TRANSFER.—

''(A) IN GENERAL.—In the case of any portion of an eligible credit which is transferred to a transferee taxpayer pursuant to subsection (a) which the Secretary determines constitutes an excessive credit transfer, the tax imposed on the transferee taxpayer by chapter 1 (regardless of whether such entity would otherwise be subject to tax under such chapter) for the taxable year in which such determination is made shall be increased by an amount equal to the sum of—

''(i) the amount of such excessive credit transfer, plus

''(ii) an amount equal to 20 percent of such excessive credit transfer.

''(B) REASONABLE CAUSE.—Subparagraph (A)(ii) shall not apply if the transferee taxpayer demonstrates to the satisfaction of the Secretary that the excessive credit transfer resulted from reasonable cause.

''(C) EXCESSIVE CREDIT TRANSFER DEFINED.—For purposes of this paragraph, the term 'excessive credit transfer' means, with respect to a facility or property for which an election is made under subsection (a) for any taxable year, an amount equal to the excess of—

''(i) the amount of the eligible credit claimed by the transferee taxpayer with respect to such facility or property for such taxable year, over

''(ii) the amount of such credit which, without application of this section, would be otherwise allowable under this title with respect to such facility or property for such taxable year.

''(3) BASIS REDUCTION; NOTIFICATION OF RECAPTURE.—In the case of any election under subsection (a) with respect to any portion of an eligible credit described in clauses (ix) through (xi) of subsection (f)(1)(A)—

''(A) subsection (c) of section 50 shall apply to the applicable investment credit property (as defined in subsection (a)(5) of such section) as if such eligible credit was allowed to the eligible taxpayer, and

''(B) if, during any taxable year, the applicable investment credit property (as defined in subsection (a)(5) of section 50) is disposed of, or otherwise ceases to be investment credit property with respect to the eligible taxpayer, before the close of the recapture period (as described in subsection (a)(1) of such section)—

''(i) such eligible taxpayer shall provide notice of such occurrence to the transferee taxpayer (in such form and manner as the Secretary shall prescribe), and

''(ii) the transferee taxpayer shall provide notice of the recapture amount (as defined in subsection (c)(2) of such section), if any, to the eligible taxpayer (in such form and manner as the Secretary shall prescribe).

''(4) PROHIBITION ON ELECTION OR TRANSFER WITH RESPECT TO PROGRESS EXPENDITURES.—This section shall not apply with respect to any amount of an eligible credit which is allowed pursuant to rules similar to the rules of subsections (c)(4) and (d) of section 46 (as in effect on the day before the date of the enactment of the Revenue Reconciliation Act of 1990).

''(h) REGULATIONS.—The Secretary shall issue such regulations or other guidance as may be necessary to carry out the purposes of this section, including regulations or other guidance providing rules for determining a partner's distributive share of the tax exempt income described in subsection (c)(1).''.

(c) REAL ESTATE INVESTMENT TRUSTS.—Section 50(d) is amended by adding at the end the following: ''In the case of a real estate investment trust making an election under section 6418, paragraphs (1)(B) and (2)(B) of the section 46(e) referred to in paragraph (1) of this subsection shall not apply to any investment credit property of such real estate investment trust to which such election applies.''.

(d) 3-YEAR CARRYBACK FOR APPLICABLE CREDITS.—Section 39(a) is amended by adding at the end the following:

''(4) 3-YEAR CARRYBACK FOR APPLICABLE CREDITS.—Notwithstanding subsection (d), in

the case of any applicable credit (as defined in section 6417(b))—

''(A) this section shall be applied separately from the business credit (other than the applicable credit),

''(B) paragraph (1) shall be applied by substituting 'each of the 3 taxable years' for 'the taxable year' in subparagraph (A) thereof, and

''(C) paragraph (2) shall be applied—

''(i) by substituting '23 taxable years' for '21 taxable years' in subparagraph (A) thereof, and

''(ii) by substituting '22 taxable years' for '20 taxable years' in subparagraph (B) thereof.''.

(e) CLERICAL AMENDMENT.—The table of sections for subchapter B of chapter 65 is amended by inserting after the item relating to section 6416 the following new items:

''Sec. 6417. Elective payment of applicable credits.

''Sec. 6418. Transfer of certain credits.''.

(f) GROSS-UP OF DIRECT SPENDING.—Beginning in fiscal year 2023 and each fiscal year thereafter, the portion of any payment made to a taxpayer pursuant to an election under section 6417 of the Internal Revenue Code of 1986, or any amount treated as a payment which is made by the taxpayer under subsection (a) of such section, that is direct spending shall be increased by 6.0445 percent.

(g) EFFECTIVE DATE.—The amendments made by this section shall apply to taxable years beginning after December 31, 2022.

SEC. 13802. APPROPRIATIONS.

Immediately upon the enactment of this Act, in addition to amounts otherwise available, there are appropriated for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $500,000,000 to remain available until September 30, 2031, for necessary expenses for the Internal Revenue Service to carry out this subtitle (and the amendments made by this subtitle), which shall supplement and not supplant any other appropriations that may be available for this purpose.

PART 9—OTHER PROVISIONS

SEC. 13901. PERMANENT EXTENSION OF TAX RATE TO FUND BLACK LUNG DISABILITY TRUST FUND.

(a) IN GENERAL.—Section 4121 is amended by striking subsection (e).

(b) EFFECTIVE DATE.—The amendment made by this section shall apply to sales in calendar quarters beginning after the date of the enactment of this Act.

SEC. 13902. INCREASE IN RESEARCH CREDIT AGAINST PAYROLL TAX FOR SMALL BUSINESSES.

(a) IN GENERAL.—Clause (i) of section 41(h)(4)(B) is amended—

(1) by striking ''AMOUNT.—The amount'' and inserting ''AMOUNT.—

''(I) IN GENERAL.—The amount'', and

(2) by adding at the end the following new subclause:

''(II) INCREASE.—In the case of taxable years beginning after December 31, 2022, the amount in subclause (I) shall be increased by $250,000.''.

(b) ALLOWANCE OF CREDIT.—

(1) IN GENERAL.—Paragraph (1) of section 3111(f) is amended—

(A) by striking ''for a taxable year, there shall be allowed'' and inserting ''for a taxable year—

''(A) there shall be allowed'',

(B) by striking ''equal to the'' and inserting ''equal to so much of the'',

(C) by striking the period at the end and inserting ''as does not exceed the limitation of subclause (I) of section 41(h)(4)(B)(i) (applied without regard to subclause (II) thereof), and'', and

(D) by adding at the end the following new subparagraph:

''(B) there shall be allowed as a credit against the tax imposed by subsection (b) for the first calendar quarter which begins after the date on which the taxpayer files the return specified in section 41(h)(4)(A)(ii) an amount equal to so much of the payroll tax credit portion determined under section 41(h)(2) as is not allowed as a credit under subparagraph (A).''.

(2) LIMITATION.—Paragraph (2) of section 3111(f) is amended—

(A) by striking ''paragraph (1)'' and inserting ''paragraph (1)(A)'', and

(B) by inserting '', and the credit allowed by paragraph (1)(B) shall not exceed the tax imposed by subsection (b) for any calendar quarter,'' after ''calendar quarter''.

(3) CARRYOVER.—Paragraph (3) of section 3111(f) is amended by striking ''the credit'' and inserting ''any credit''.

(4) DEDUCTION ALLOWED.—Paragraph (4) of section 3111(f) is amended—

(A) by striking ''credit'' and inserting ''credits'', and

(B) by striking ''subsection (a)'' and inserting ''subsection (a) or (b)''.

(c) AGGREGATION RULES.—Clause (ii) of section 41(h)(5)(B) is amended by striking ''the $250,000 amount'' and inserting ''each of the $250,000 amounts''.

(d) EFFECTIVE DATE.—The amendments made by this section shall apply to taxable years beginning after December 31, 2022.

SEC. 13903. TAX TREATMENT OF CERTAIN ASSISTANCE TO FARMERS, ETC.

For purposes of the Internal Revenue Code of 1986, in the case of any payment described in section 1006(e) of the American Rescue Plan Act of 2021 (as amended by section 22007 of this Act) or section 22006 of this Act—

(1) such payment shall not be included in the gross income of the person on whose behalf, or to whom, such payment is made,

(2) no deduction shall be denied, no tax attribute shall be reduced, and no basis increase shall be denied, by reason of the exclusion from gross income provided by paragraph (1), and

(3) in the case of a partnership or S corporation on whose behalf, or to whom, such a payment is made—

(A) any amount excluded from income by reason of paragraph (1) shall be treated as tax exempt income for purposes of sections 705 and 1366 of such Code, and

(B) except as provided by the Secretary of the Treasury (or the Secretary's delegate), any increase in the adjusted basis of a partner's interest in a partnership under section 705 of such Code with respect to any amount described in subparagraph (A) shall equal the partner's distributive share of deductions resulting from interest that is part of such payment and the partner's share, as determined under section 752 of such Code, of principal that is part of such payment.

TITLE II—COMMITTEE ON AGRICULTURE, NUTRITION, AND FORESTRY

Subtitle A—General Provisions

SEC. 20001. DEFINITION OF SECRETARY.

In this title, the term ''Secretary'' means the Secretary of Agriculture.

Subtitle B—Conservation

SEC. 21001. ADDITIONAL AGRICULTURAL CONSERVATION INVESTMENTS.

(a) APPROPRIATIONS.—In addition to amounts otherwise available (and subject to subsection (b)), there are appropriated to the Secretary, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2031 (subject to the condition that no such funds may be disbursed after September 30, 2031)—

(1) to carry out, using the facilities and authorities of the Commodity Credit Corporation, the environmental quality incentives program under subchapter A of chapter 4 of subtitle D of title XII of the Food Security Act of 1985 (16 U.S.C. 3839aa through 3839aa–8)—

(A)(i) $250,000,000 for fiscal year 2023;

(ii) $1,750,000,000 for fiscal year 2024;

(iii) $3,000,000,000 for fiscal year 2025; and

(iv) $3,450,000,000 for fiscal year 2026; and

(B) subject to the conditions on the use of the funds that—

(i) section 1240B(f)(1) of the Food Security Act of 1985 (16 U.S.C. 3839aa–2(f)(1)) shall not apply;

(ii) section 1240H(c)(2) of the Food Security Act of 1985 (16 U.S.C. 3839aa–8(c)(2)) shall be applied—

(I) by substituting ''$50,000,000'' for ''$25,000,000''; and

(II) with the Secretary prioritizing proposals that utilize diet and feed management to reduce enteric methane emissions from ruminants; and

(iii) the funds shall be available for 1 or more agricultural conservation practices or enhancements that the Secretary determines directly improve soil carbon, reduce nitrogen losses, or reduce, capture, avoid, or sequester carbon dioxide, methane, or nitrous oxide emissions, associated with agricultural production;

(2) to carry out, using the facilities and authorities of the Commodity Credit Corporation, the conservation stewardship program under subchapter B of that chapter (16 U.S.C. 3839aa–21 through 3839aa–25)—

(A)(i) $250,000,000 for fiscal year 2023;

(ii) $500,000,000 for fiscal year 2024;

(iii) $1,000,000,000 for fiscal year 2025; and

(iv) $1,500,000,000 for fiscal year 2026; and

(B) subject to the condition on the use of the funds that the funds shall only be available for 1 or more agricultural conservation practices, enhancements, or bundles that the Secretary determines directly improve soil carbon, reduce nitrogen losses, or reduce, capture, avoid, or sequester carbon dioxide, methane, or nitrous oxide emissions, associated with agricultural production;

(3) to carry out, using the facilities and authorities of the Commodity Credit Corporation, the agricultural conservation easement program under subtitle H of title XII of that Act (16 U.S.C. 3865 through 3865d) for easements or interests in land that will most reduce, capture, avoid, or sequester carbon dioxide, methane, or nitrous oxide emissions associated with land eligible for the program—

(A) $100,000,000 for fiscal year 2023;

(B) $200,000,000 for fiscal year 2024;

(C) $500,000,000 for fiscal year 2025; and

(D) $600,000,000 for fiscal year 2026; and

(4) to carry out, using the facilities and authorities of the Commodity Credit Corporation, the regional conservation partnership program under subtitle I of title XII of that Act (16 U.S.C. 3871 through 3871f)—

(A)(i) $250,000,000 for fiscal year 2023;

(ii) $800,000,000 for fiscal year 2024;

(iii) $1,500,000,000 for fiscal year 2025; and

(iv) $2,400,000,000 for fiscal year 2026; and

(B) subject to the conditions on the use of the funds that—

(i) section 1271C(d)(2)(B) of the Food Security Act of 1985 (16 U.S.C. 3871c(d)(2)(B)) shall not apply; and

(ii) the Secretary shall prioritize partnership agreements under section 1271C(d) of the Food Security Act of 1985 (16 U.S.C. 3871c(d)) that support the implementation of conservation projects that assist agricultural producers and nonindustrial private forestland owners in directly improving soil carbon, reducing nitrogen losses, or reducing, capturing, avoiding, or sequestering carbon dioxide, methane, or nitrous oxide emissions, associated with agricultural production.

(b) CONDITIONS.—The funds made available under subsection (a) are subject to the conditions that the Secretary shall not—

(1) enter into any agreement—

(A) that is for a term extending beyond September 30, 2031; or

(B) under which any payment could be outlaid or funds disbursed after September 30, 2031; or

(2) use any other funds available to the Secretary to satisfy obligations initially made under this section.

(c) CONFORMING AMENDMENTS.—

(1) Section 1240B of the Food Security Act of 1985 (16 U.S.C. 3839aa–2) is amended—

(A) in subsection (a), by striking ''2023'' and inserting ''2031''; and

(B) in subsection (f)(2)(B)—

(i) in the subparagraph heading, by striking ''2023'' and inserting ''2031''; and

(ii) by striking ''2023'' and inserting ''2031''.

(2) Section 1240H of the Food Security Act of 1985 (16 U.S.C. 3839aa–8) is amended by striking ''2023'' each place it appears and inserting ''2031''.

(3) Section 1240J(a) of the Food Security Act of 1985 (16 U.S.C. 3839aa–22(a)) is amended, in the matter preceding paragraph (1), by striking ''2023'' and inserting ''2031''.

(4) Section 1240L(h)(2)(A) of the Food Security Act of 1985 (16 U.S.C. 3839aa–24(h)(2)(A)) is amended by striking ''2023'' and inserting ''2031''.

(5) Section 1241 of the Food Security Act of 1985 (16 U.S.C. 3841) is amended—

(A) in subsection (a)—

(i) in the matter preceding paragraph (1), by striking ''2023'' and inserting ''2031'';

(ii) in paragraph (2)(F), by striking ''2023'' and inserting ''2031''; and

(iii) in paragraph (3), by striking ''fiscal year 2023'' each place it appears and inserting ''each of fiscal years 2023 through 2031'';

(B) in subsection (b), by striking ''2023'' and inserting ''2031''; and

(C) in subsection (h)—

(i) in paragraph (1)(B), in the subparagraph heading, by striking ''2023'' and inserting ''2031''; and

(ii) by striking ''2023'' each place it appears and inserting ''2031''.

(6) Section 1244(n)(3)(A) of the Food Security Act of 1985 (16 U.S.C. 3844(n)(3)(A)) is amended by striking ''2023'' and inserting ''2031''.

(7) Section 1271D(a) of the Food Security Act of 1985 (16 U.S.C. 3871d(a)) is amended by striking ''2023'' and inserting ''2031''.

SEC. 21002. CONSERVATION TECHNICAL ASSISTANCE.

(a) APPROPRIATIONS.—In addition to amounts otherwise available (and subject to subsection (b)), there are appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2031 (subject to the condition that no such funds may be disbursed after September 30, 2031)—

(1) $1,000,000,000 to provide conservation technical assistance through the Natural Resources Conservation Service; and

(2) $300,000,000 to carry out a program to quantify carbon sequestration and carbon dioxide, methane, and nitrous oxide emissions, through which the Natural Resources Conservation Service shall collect field-based data to assess the carbon sequestration and reduction in carbon dioxide, methane, and nitrous oxide emissions outcomes associated with activities carried out pursuant to this section and use the data to monitor and track those carbon sequestration and emissions trends through the Greenhouse Gas Inventory and Assessment Program of the Department of Agriculture.

(b) CONDITIONS.—The funds made available under this section are subject to the conditions that the Secretary shall not—

(1) enter into any agreement—

(A) that is for a term extending beyond September 30, 2031; or

(B) under which any payment could be outlaid or funds disbursed after September 30, 2031;

(2) use any other funds available to the Secretary to satisfy obligations initially made under this section; or

(3) interpret this section to authorize funds of the Commodity Credit Corporation for activities under this section if such funds are not expressly authorized or currently expended for such purposes.

(c) ADMINISTRATIVE COSTS.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $100,000,000, to remain available until September 30, 2028, for administrative costs of the agencies and offices of the Department of Agriculture for costs related to implementing this section.

Subtitle C—Rural Development and Agricultural Credit

SEC. 22001. ADDITIONAL FUNDING FOR ELECTRIC LOANS FOR RENEWABLE ENERGY.

Section 9003 of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8103) is amended by adding at the end the following:

''(h) ADDITIONAL FUNDING FOR ELECTRIC LOANS FOR RENEWABLE ENERGY.—

''(1) APPROPRIATIONS.—Notwithstanding subsections (a) through (e), and (g), in addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $1,000,000,000, to remain available until September 30, 2031, for the cost of loans under section 317 of the Rural Electrification Act of 1936 (7 U.S.C. 940g), including for projects that store electricity that support the types of eligible projects under that section, which shall be forgiven in an amount that is not greater than 50 percent of the loan based on how the borrower and the project meets the terms and conditions for loan forgiveness consistent with the purposes of that section established by the Secretary, except as provided in paragraph (3).

''(2) LIMITATION.—The Secretary shall not enter into any loan agreement pursuant this subsection that could result in disbursements after September 30, 2031.

''(3) EXCEPTION.—The Secretary shall establish criteria for waiving the 50 percent limitation described in paragraph (1).''.

SEC. 22002. RURAL ENERGY FOR AMERICA PROGRAM.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary, out of any money in the Treasury not otherwise appropriated, for eligible projects under section 9007 of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8107), and notwithstanding section 9007(c)(3)(A) of that Act, the amount of a grant shall not exceed 50 percent of the cost of the activity carried out using the grant funds—

(1) $820,250,000 for fiscal year 2022, to remain available until September 30, 2031; and

(2) $180,276,500 for each of fiscal years 2023 through 2027, to remain available until September 30, 2031.

(b) UNDERUTILIZED RENEWABLE ENERGY TECHNOLOGIES.—In addition to amounts otherwise available, there is appropriated to the Secretary, out of any money in the Treasury not otherwise appropriated, to provide grants and loans guaranteed by the Secretary (including the costs of such loans) under the program described in subsection (a) relating to underutilized renewable energy technologies, and to provide technical assistance for applying to the program described in subsection (a), including for underutilized renewable energy technologies, notwithstanding section 9007(c)(3)(A) of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8107(c)(3)(A)), the amount of a grant shall not exceed 50 percent of the cost of the activity carried out using the grant funds, and to the extent the following amounts remain available at the end of each fiscal year, the Secretary shall use such amounts in accordance with subsection (a)—

(1) $144,750,000 for fiscal year 2022, to remain available until September 30, 2031; and

(2) $31,813,500 for each of fiscal years 2023 through 2027, to remain available until September 30, 2031.

(c) LIMITATION.—The Secretary shall not enter into, pursuant to this section—

(1) any loan agreement that may result in a disbursement after September 30, 2031; or

(2) any grant agreement that may result in any outlay after September 30, 2031.

SEC. 22003. BIOFUEL INFRASTRUCTURE AND AGRICULTURE PRODUCT MARKET EXPANSION.

Section 9003 of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8103) (as amended by section 22001) is amended by adding at the end the following:

''(i) BIOFUEL INFRASTRUCTURE AND AGRICULTURE PRODUCT MARKET EXPANSION.—

''(1) APPROPRIATION.—Notwithstanding subsections (a) through (e) and subsection (g), in addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $500,000,000, to remain available until September 30, 2031, to carry out this subsection.

''(2) USE OF FUNDS.—The Secretary shall use the amounts made available by paragraph (1) to provide grants, for which the Federal share shall be not more than 75 percent of the total cost of carrying out a project for which the grant is provided, on a competitive basis, to increase the sale and use of agricultural commodity-based fuels through infrastructure improvements for blending, storing, supplying, or distributing biofuels, except for transportation infrastructure not on location where such biofuels are blended, stored, supplied, or distributed—

''(A) by installing, retrofitting, or otherwise upgrading fuel dispensers or pumps and related equipment, storage tank system components, and other infrastructure required at a location related to dispensing certain biofuel blends to ensure the increased sales of fuels with high levels of commodity-based ethanol and biodiesel that are at or greater than the levels required in the Notice of Funding Availability for the Higher Blends Infrastructure Incentive Program for Fiscal Year 2020, published in the Federal Register (85 Fed. Reg. 26656), as determined by the Secretary; and

''(B) by building and retrofitting home heating oil distribution centers or equivalent entities and distribution systems for ethanol and biodiesel blends.''.

SEC. 22004. USDA ASSISTANCE FOR RURAL ELECTRIC COOPERATIVES.

Section 9003 of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 8103) (as amended by section 22003) is amended by adding at the end the following:

''(j) USDA ASSISTANCE FOR RURAL ELECTRIC COOPERATIVES.—

''(1) APPROPRIATION.—Notwithstanding subsections (a) through (e) and (g), in addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not

otherwise appropriated, $9,700,000,000, to remain available until September 30, 2031, for the long-term resiliency, reliability, and affordability of rural electric systems by providing to an eligible entity (defined as an electric cooperative described in section 501(c)(12) or 1381(a)(2) of the Internal Revenue Code of 1986 and is or has been a Rural Utilities Service electric loan borrower pursuant to the Rural Electrification Act of 1936 or serving a predominantly rural area or a wholly or jointly owned subsidiary of such electric cooperative) loans, modifications of loans, the cost of loans and modifications, and other financial assistance to achieve the greatest reduction in carbon dioxide, methane, and nitrous oxide emissions associated with rural electric systems through the purchase of renewable energy, renewable energy systems, and zero-emission systems, to deploy such systems, or to make energy efficiency improvements to electric generation and transmission systems of the eligible entity after the date of enactment of this subsection.

''(2) LIMITATION.—No eligible entity may receive an amount equal to more than 10 percent of the total amount made available by this subsection.

''(3) REQUIREMENT.—The amount of a grant under this subsection shall be not more than 25 percent of the total project costs of the eligible entity carrying out a project using a grant under this subsection.

''(4) PROHIBITION.—Nothing in this subsection shall be interpreted to authorize funds of the Commodity Credit Corporation for activities under this subsection if such funds are not expressly authorized or currently expended for such purposes.

''(5) DISBURSEMENTS.—The Secretary shall not enter into, pursuant to this subsection—

''(A) any loan agreement that may result in a disbursement after September 30, 2031; or

''(B) any grant agreement that may result in any outlay after September 30, 2031.''.

SEC. 22005. ADDITIONAL USDA RURAL DEVELOPMENT ADMINISTRATIVE FUNDS.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $100,000,000, to remain available until September 30, 2031, for administrative costs and salaries and expenses for the Rural Development mission area and administrative costs of the agencies and offices of the Department for costs related to implementing this subtitle.

SEC. 22006. FARM LOAN IMMEDIATE RELIEF FOR BORROWERS WITH AT-RISK AGRICULTURAL OPERATIONS.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of amounts in the Treasury not otherwise appropriated, $3,100,000,000, to remain available until September 30, 2031, to provide payments to, for the cost of loans or loan modifications for, or to carry out section 331(b)(4) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1981(b)(4)) with respect to distressed borrowers of direct or guaranteed loans administered by the Farm Service Agency under subtitle A, B, or C of that Act (7 U.S.C. 1922 through 1970). In carrying out this section, the Secretary shall provide relief to those borrowers whose agricultural operations are at financial risk as expeditiously as possible, as determined by the Secretary.

SEC. 22007. USDA ASSISTANCE AND SUPPORT FOR UNDERSERVED FARMERS, RANCHERS, AND FORESTERS.

Section 1006 of the American Rescue Plan Act of 2021 (7 U.S.C. 2279 note; Public Law 117–2) is amended to read as follows:

''SEC. 1006. USDA ASSISTANCE AND SUPPORT FOR UNDERSERVED FARMERS, RANCHERS, FORESTERS.

''(a) TECHNICAL AND OTHER ASSISTANCE.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $125,000,000 to provide outreach, mediation, financial training, capacity building training, cooperative development and agricultural credit training and support, and other technical assistance on issues concerning food, agriculture, agricultural credit, agricultural extension, rural development, or nutrition to underserved farmers, ranchers, or forest landowners, including veterans, limited resource producers, beginning farmers and ranchers, and farmers, ranchers, and forest landowners living in high poverty areas.

''(b) LAND LOSS ASSISTANCE.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $250,000,000 to provide grants and loans to eligible entities, as determined by the Secretary, to improve land access (including heirs' property and fractionated land issues) for underserved farmers, ranchers, and forest landowners, including veterans, limited resource producers, beginning farmers and ranchers, and farmers, ranchers, and forest landowners living in high poverty areas.

''(c) EQUITY COMMISSIONS.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $10,000,000 to fund the activities of one or more equity commissions that will address racial equity issues within the Department of Agriculture and the programs of the Department of Agriculture.

''(d) RESEARCH, EDUCATION, AND EXTENSION.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $250,000,000 to support and supplement agricultural research, education, and extension, as well as scholarships and programs that provide internships and pathways to agricultural sector or Federal employment, for 1890 Institutions (as defined in section 2 of the Agricultural, Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601)), 1994 Institutions (as defined in section 532 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103–382)), Alaska Native serving institutions and Native Hawaiian serving institutions eligible to receive grants under subsections (a) and (b), respectively, of section 1419B of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3156), Hispanic-serving institutions eligible to receive grants under section 1455 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241), and the insular area institutions of higher education located in the territories of the United States, as referred to in section 1489 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3361).

''(e) DISCRIMINATION FINANCIAL ASSISTANCE.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $2,200,000,000 for a program to provide financial assistance, including the cost of any financial assistance, to farmers, ranchers, or forest landowners determined to have experienced discrimination prior to January 1, 2021, in Department of Agriculture farm lending programs, under which the amount of financial assistance provided to a recipient may be not more than $500,000, as determined to be appropriate based on any consequences experienced from the discrimination, which program shall be administered through 1 or more qualified nongovernmental entities selected by the Secretary subject to standards set and enforced by the Secretary.

''(f) ADMINISTRATIVE COSTS.—In addition to amounts otherwise available, there is appropriated to the Secretary of Agriculture for fiscal year 2022, to remain available until September 30, 2031, out of any money in the Treasury not otherwise appropriated, $24,000,000 for administrative costs, including training employees, of the agencies and offices of the Department of Agriculture to carry out this section.

''(g) LIMITATION.—The funds made available under this section are subject to the condition that the Secretary shall not—

''(1) enter into any agreement under which any payment could be outlaid or funds disbursed after September 30, 2031; or

''(2) use any other funds available to the Secretary to satisfy obligations initially made under this section.''.

SEC. 22008. REPEAL OF FARM LOAN ASSISTANCE.

Section 1005 of the American Rescue Plan Act of 2021 (7 U.S.C. 1921 note; Public Law 117–2) is repealed.

Subtitle D—Forestry

SEC. 23001. NATIONAL FOREST SYSTEM RESTORATION AND FUELS REDUCTION PROJECTS.

(a) APPROPRIATIONS.—In addition to amounts otherwise available, there are appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2031—

(1) $1,800,000,000 for hazardous fuels reduction projects on National Forest System land within the wildland-urban interface;

(2) $200,000,000 for vegetation management projects on National Forest System land carried out in accordance with a plan developed under section 303(d)(1) or 304(a)(3) of the Healthy Forests Restoration Act of 2003 (16 U.S.C. 6542(d)(1) or 6543(a)(3));

(3) $100,000,000 to provide for environmental reviews by the Chief of the Forest Service in satisfying the obligations of the Chief of the Forest Service under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 through 4370m–12); and

(4) $50,000,000 for the protection of old-growth forests on National Forest System land and to complete an inventory of old-growth forests and mature forests within the National Forest System.

(b) RESTRICTIONS.—None of the funds made available by paragraph (1) or (2) of subsection (a) may be used for any activity—

(1) conducted in a wilderness area or wilderness study area;

(2) that includes the construction of a permanent road or motorized trail;

(3) that includes the construction of a temporary road, except in the case of a temporary road that is decommissioned by the Secretary not later than 3 years after the earlier of—

(A) the date on which the temporary road is no longer needed; and

(B) the date on which the project for which the temporary road was constructed is completed;

(4) inconsistent with the applicable land management plan;

(5) inconsistent with the prohibitions of the rule of the Forest Service entitled ''Special Areas; Roadless Area Conservation'' (66 Fed. Reg. 3244 (January 12, 2001)), as modified by subparts C and D of part 294 of title 36, Code of Federal Regulations; or

(6) carried out on any land that is not National Forest System land, including other forested land on Federal, State, Tribal, or private land.

(c) LIMITATIONS.—Nothing in this section shall be interpreted to authorize funds of the Commodity Credit Corporation for activities under this section if such funds are not expressly authorized or currently expended for such purposes.

(d) COST-SHARING WAIVER.—

(1) IN GENERAL.—The non-Federal cost-share requirement of a project described in paragraph (2) may be waived at the discretion of the Secretary.

(2) PROJECT DESCRIBED.—A project referred to in paragraph (1) is a project that—

(A) is carried out using funds made available under this section;

(B) requires a partnership agreement, including a cooperative agreement or mutual interest agreement; and

(C) is subject to a non-Federal cost-share requirement.

(e) DEFINITIONS.—In this section:

(1) DECOMMISSION.—The term ''decommission'' means, with respect to a road—

(A) reestablishing native vegetation on the road;

(B) restoring any natural drainage, watershed function, or other ecological processes that were disrupted or adversely impacted by the road by removing or hydrologically disconnecting the road prism and reestablishing stable slope contours; and

(C) effectively blocking the road to vehicular traffic, where feasible.

(2) ECOLOGICAL INTEGRITY.—The term ''ecological integrity'' has the meaning given the term in section 219.19 of title 36, Code of Federal Regulations (as in effect on the date of enactment of this Act).

(3) HAZARDOUS FUELS REDUCTION PROJECT.—The term ''hazardous fuels reduction project'' means an activity, including the use of prescribed fire, to protect structures and communities from wildfire that is carried out on National Forest System land.

(4) RESTORATION.—The term ''restoration'' has the meaning given the term in section 219.19 of title 36, Code of Federal Regulations (as in effect on the date of enactment of this Act).

(5) VEGETATION MANAGEMENT PROJECT.—The term ''vegetation management project'' means an activity carried out on National Forest System land to enhance the ecological integrity and achieve the restoration of a forest ecosystem through the removal of vegetation, the use of prescribed fire, the restoration of aquatic habitat, or the decommissioning of an unauthorized, temporary, or system road.

(6) WILDLAND-URBAN INTERFACE.—The term ''wildland-urban interface'' has the meaning given the term in section 101 of the Healthy Forests Restoration Act of 2003 (16 U.S.C. 6511).

SEC. 23002. COMPETITIVE GRANTS FOR NON-FEDERAL FOREST LANDOWNERS.

(a) APPROPRIATIONS.—In addition to amounts otherwise available, there are appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2031—

(1) $150,000,000 for the competitive grant program under section 13A of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2109a) for providing through that program a cost share to carry out climate mitigation or forest resilience practices in the case of underserved forest landowners, subject to the condition that subsection (h) of that section shall not apply;

(2) $150,000,000 for the competitive grant program under section 13A of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2109a) for providing through that program grants to support the participation of underserved forest landowners in emerging private markets for climate mitigation or forest resilience, subject to the condition that subsection (h) of that section shall not apply;

(3) $100,000,000 for the competitive grant program under section 13A of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2109a) for providing through that program grants to support the participation of forest landowners who own less than 2,500 acres of forest land in emerging private markets for climate mitigation or forest resilience, subject to the condition that subsection (h) of that section shall not apply;

(4) $50,000,000 for the competitive grant program under section 13A of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2109a) to provide grants to states and other eligible entities to provide payments to owners of private forest land for implementation of forestry practices on private forest land, that are determined by the Secretary, based on the best available science, to provide measurable increases in carbon sequestration and storage beyond customary practices on comparable land, subject to the conditions that—

(A) those payments shall not preclude landowners from participation in other public and private sector financial incentive programs; and

(B) subsection (h) of that section shall not apply; and

(5) $100,000,000 to provide grants under the wood innovation grant program under section 8643 of the Agriculture Improvement Act of 2018 (7 U.S.C. 7655d), including for the construction of new facilities that advance the purposes of the program and for the hauling of material removed to reduce hazardous fuels to locations where that material can be utilized, subject to the conditions that—

(A) the amount of such a grant shall be not more than $5,000,000; and

(B) notwithstanding subsection (d) of that section, a recipient of such a grant shall provide funds equal to not less than 50 percent of the amount received under the grant, to be derived from non-Federal sources.

(b) COST-SHARING REQUIREMENT.—Any partnership agreements, including cooperative agreements and mutual interest agreements, using funds made available under this section shall be subject to a non-Federal cost-share requirement of not less than 20 percent of the project cost, which may be waived at the discretion of the Secretary.

(c) LIMITATIONS.—Nothing in this section shall be interpreted to authorize funds of the Commodity Credit Corporation for activities under this section if such funds are not expressly authorized or currently expended for such purposes.

SEC. 23003. STATE AND PRIVATE FORESTRY CONSERVATION PROGRAMS.

(a) APPROPRIATIONS.—In addition to amounts otherwise available, there are appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2031—

(1) $700,000,000 to provide competitive grants to States through the Forest Legacy Program established under section 7 of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2103c) for projects for the acquisition of land and interests in land; and

(2) $1,500,000,000 to provide multiyear, programmatic, competitive grants to a State agency, a local governmental entity, an agency or governmental entity of the District of Columbia, an agency or governmental entity of an insular area (as defined in section 1404 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3103)), an Indian Tribe, or a nonprofit organization through the Urban and Community Forestry Assistance program established under section 9(c) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2105(c)) for tree planting and related activities.

(b) WAIVER.—Any non-Federal cost-share requirement otherwise applicable to projects carried out under this section may be waived at the discretion of the Secretary.

SEC. 23004. LIMITATION.

The funds made available under this subtitle are subject to the condition that the Secretary shall not—

(1) enter into any agreement—

(A) that is for a term extending beyond September 30, 2031; or

(B) under which any payment could be outlaid or funds disbursed after September 30, 2031; or

(2) use any other funds available to the Secretary to satisfy obligations initially made under this subtitle.

SEC. 23005. ADMINISTRATIVE COSTS.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $100,000,000 to remain available until September 30, 2031, for administrative costs of the agencies and offices of the Department of Agriculture for costs related to implementing this subtitle.

TITLE III—COMMITTEE ON BANKING, HOUSING, AND URBAN AFFAIRS

SEC. 30001. ENHANCED USE OF DEFENSE PRODUCTION ACT OF 1950.

In addition to amounts otherwise available, there is appropriated for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $500,000,000, to remain available until September 30, 2024, to carry out the Defense Production Act of 1950 (50 U.S.C. 4501 et seq.).

SEC. 30002. IMPROVING ENERGY EFFICIENCY OR WATER EFFICIENCY OR CLIMATE RESILIENCE OF AFFORDABLE HOUSING.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary of Housing and Urban Development (in this section referred to as the ''Secretary'') for fiscal year 2022, out of any money in the Treasury not otherwise appropriated—

(1) $837,500,000, to remain available until September 30, 2028, for the cost of providing direct loans, the costs of modifying such loans, and for grants, as provided for and subject to terms and conditions in subsection (b), including to subsidize gross obligations for the principal amount of such loans, not to exceed $4,000,000,000, to fund projects that improve energy or water efficiency, enhance indoor air quality or sustainability, implement the use of zero-emission electricity generation, low-emission building materials or processes, energy storage, or building electrification strategies, or address climate resilience, of an eligible property;

(2) $60,000,000, to remain available until September 30, 2030, for the costs to the Secretary for information technology, research and evaluation, and administering and overseeing the implementation of this section;

(3) $60,000,000, to remain available until September 30, 2029, for expenses of contracts

or cooperative agreements administered by the Secretary; and

(4) $42,500,000, to remain available until September 30, 2028, for energy and water benchmarking of properties eligible to receive grants or loans under this section, regardless of whether they actually received such grants or loans, along with associated data analysis and evaluation at the property and portfolio level, and the development of information technology systems necessary for the collection, evaluation, and analysis of such data.

(b) LOAN AND GRANT TERMS AND CONDITIONS.—Amounts made available under this section shall be for direct loans, grants, and direct loans that can be converted to grants to eligible recipients that agree to an extended period of affordability for the property.

(c) DEFINITIONS.—As used in this section—

(1) the term ''eligible recipient'' means any owner or sponsor of an eligible property; and

(2) the term ''eligible property'' means a property assisted pursuant to—

(A) section 202 of the Housing Act of 1959 (12 U.S.C. 1701q);

(B) section 202 of the Housing Act of 1959 (former 12 U.S.C. 1701q), as such section existed before the enactment of the Cranston-Gonzalez National Affordable Housing Act;

(C) section 811 of the Cranston-Gonzalez National Affordable Housing Act (42 U.S.C. 8013);

(D) section 8(b) of the United States Housing Act of 1937 (42 U.S.C. 1437f(b));

(E) section 236 of the National Housing Act (12 U.S.C. 1715z–1); or

(F) a Housing Assistance Payments contract for Project-Based Rental Assistance in fiscal year 2021.

(d) WAIVER.—The Secretary may waive or specify alternative requirements for any provision of subsection (c) or (bb) of section 8 of the United States Housing Act of 1937 (42 U.S.C. 1437f(c), 1437f(bb)) upon a finding that the waiver or alternative requirement is necessary to facilitate the use of amounts made available under this section.

(e) IMPLEMENTATION.—The Secretary shall have the authority to establish by notice any requirements that the Secretary determines are necessary for timely and effective implementation of the program and expenditure of funds appropriated, which requirements shall take effect upon issuance.

TITLE IV—COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION

SEC. 40001. INVESTING IN COASTAL COMMUNITIES AND CLIMATE RESILIENCE.

(a) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $2,600,000,000, to remain available until September 30, 2026, to provide funding through direct expenditure, contracts, grants, cooperative agreements, or technical assistance to coastal states (as defined in paragraph (4) of section 304 of the Coastal Zone Management Act of 1972 (16 U.S.C. 1453(4))), the District of Columbia, Tribal Governments, nonprofit organizations, local governments, and institutions of higher education (as defined in subsection (a) of section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001(a))), for the conservation, restoration, and protection of coastal and marine habitats, resources, Pacific salmon and other marine fisheries, to enable coastal communities to prepare for extreme storms and other changing climate conditions, and for projects that support natural resources that sustain coastal and marine resource dependent communities, marine fishery and marine mammal stock assessments, and for related administrative expenses.

(b) TRIBAL GOVERNMENT DEFINED.—In this section, the term ''Tribal Government'' means the recognized governing body of any Indian or Alaska Native tribe, band, nation, pueblo, village, community, component band, or component reservation, individually identified (including parenthetically) in the list published most recently as of the date of enactment of this subsection pursuant to section 104 of the Federally Recognized Indian Tribe List Act of 1994 (25 U.S.C. 5131).

SEC. 40002. FACILITIES OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND NATIONAL MARINE SANCTUARIES.

(a) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FACILITIES.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $150,000,000, to remain available until September 30, 2026, for the construction of new facilities, facilities in need of replacement, piers, marine operations facilities, and fisheries laboratories.

(b) NATIONAL MARINE SANCTUARIES FACILITIES.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $50,000,000, to remain available until September 30, 2026, for the construction of facilities to support the National Marine Sanctuary System established under subsection (c) of section 301 of the National Marine Sanctuaries Act (16 U.S.C. 1431(c)).

SEC. 40003. NOAA EFFICIENT AND EFFECTIVE REVIEWS.

In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $20,000,000, to remain available until September 30, 2026, to conduct more efficient, accurate, and timely reviews for planning, permitting and approval processes through the hiring and training of personnel, and the purchase of technical and scientific services and new equipment, and to improve agency transparency, accountability, and public engagement.

SEC. 40004. OCEANIC AND ATMOSPHERIC RESEARCH AND FORECASTING FOR WEATHER AND CLIMATE.

(a) FORECASTING AND RESEARCH.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $150,000,000, to remain available until September 30, 2026, to accelerate advances and improvements in research, observation systems, modeling, forecasting, assessments, and dissemination of information to the public as it pertains to ocean and atmospheric processes related to weather, coasts, oceans, and climate, and to carry out section 102(a) of the Weather Research and Forecasting Innovation Act of 2017 (15 U.S.C. 8512(a)), and for related administrative expenses.

(b) RESEARCH GRANTS AND SCIENCE INFORMATION, PRODUCTS, AND SERVICES.—In addition to amounts otherwise available, there are appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2026, $50,000,000 for competitive grants to fund climate research as it relates to weather, ocean, coastal, and atmospheric processes and conditions, and impacts to marine species and coastal habitat, and for related administrative expenses.

SEC. 40005. COMPUTING CAPACITY AND RESEARCH FOR WEATHER, OCEANS, AND CLIMATE.

In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $190,000,000, to remain available until September 30, 2026, for the procurement of additional high-performance computing, data processing capacity, data management, and storage assets, to carry out section 204(a)(2) of the High-Performance Computing Act of 1991 (15 U.S.C. 5524(a)(2)), and for transaction agreements authorized under section 301(d)(1)(A) of the Weather Research and Forecasting Innovation Act of 2017 (15 U.S.C. 8531(d)(1)(A)), and for related administrative expenses.

SEC. 40006. ACQUISITION OF HURRICANE FORECASTING AIRCRAFT.

In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $100,000,000, to remain available until September 30, 2026, for the acquisition of hurricane hunter aircraft under section 413(a) of the Weather Research and Forecasting Innovation Act of 2017 (15 U.S.C. 8549(a)).

SEC. 40007. ALTERNATIVE FUEL AND LOW-EMISSION AVIATION TECHNOLOGY PROGRAM.

(a) APPROPRIATION AND ESTABLISHMENT.—For purposes of establishing a competitive grant program for eligible entities to carry out projects located in the United States that produce, transport, blend, or store sustainable aviation fuel, or develop, demonstrate, or apply low-emission aviation technologies, in addition to amounts otherwise available, there are appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available until September 30, 2026—

(1) $244,530,000 for projects relating to the production, transportation, blending, or storage of sustainable aviation fuel;

(2) $46,530,000 for projects relating to low-emission aviation technologies; and

(3) $5,940,000 to fund the award of grants under this section, and oversight of the program, by the Secretary.

(b) CONSIDERATIONS.—In carrying out subsection (a), the Secretary shall consider, with respect to a proposed project—

(1) the capacity for the eligible entity to increase the domestic production and deployment of sustainable aviation fuel or the use of low-emission aviation technologies among the United States commercial aviation and aerospace industry;

(2) the projected greenhouse gas emissions from such project, including emissions resulting from the development of the project, and the potential the project has to reduce or displace, on a lifecycle basis, United States greenhouse gas emissions associated with air travel;

(3) the capacity to create new jobs and develop supply chain partnerships in the United States;

(4) for projects related to the production of sustainable aviation fuel, the projected lifecycle greenhouse gas emissions benefits from the proposed project, which shall include feedstock and fuel production and potential direct and indirect greenhouse gas emissions (including resulting from changes in land use); and

(5) the benefits of ensuring a diversity of feedstocks for sustainable aviation fuel, including the use of waste carbon oxides and direct air capture.

(c) COST SHARE.—The Federal share of the cost of a project carried out using grant

funds under subsection (a) shall be 75 percent of the total proposed cost of the project, except that such Federal share shall increase to 90 percent of the total proposed cost of the project if the eligible entity is a small hub airport or nonhub airport, as such terms are defined in section 47102 of title 49, United States Code.

(d) FUEL EMISSIONS REDUCTION TEST.—For purposes of clause (ii) of subsection (e)(7)(E), the Secretary shall, not later than 2 years after the date of enactment of this section, adopt at least 1 methodology for testing lifecycle greenhouse gas emissions that meets the requirements of such clause.

(e) DEFINITIONS.—In this section:

(1) ELIGIBLE ENTITY.—The term ''eligible entity'' means—

(A) a State or local government, including the District of Columbia, other than an airport sponsor;

(B) an air carrier;

(C) an airport sponsor;

(D) an accredited institution of higher education;

(E) a research institution;

(F) a person or entity engaged in the production, transportation, blending, or storage of sustainable aviation fuel in the United States or feedstocks in the United States that could be used to produce sustainable aviation fuel;

(G) a person or entity engaged in the development, demonstration, or application of low-emission aviation technologies; or

(H) nonprofit entities or nonprofit consortia with experience in sustainable aviation fuels, low-emission aviation technologies, or other clean transportation research programs.

(2) FEEDSTOCK.—The term ''feedstock'' means sources of hydrogen and carbon not originating from unrefined or refined petrochemicals.

(3) INDUCED LAND-USE CHANGE VALUES.—The term ''induced land-use change values'' means the greenhouse gas emissions resulting from the conversion of land to the production of feedstocks and from the conversion of other land due to the displacement of crops or animals for which the original land was previously used.

(4) LIFECYCLE GREENHOUSE GAS EMISSIONS.—The term ''lifecycle greenhouse gas emissions'' means the combined greenhouse gas emissions from feedstock production, collection of feedstock, transportation of feedstock to fuel production facilities, conversion of feedstock to fuel, transportation and distribution of fuel, and fuel combustion in an aircraft engine, as well as from induced land-use change values.

(5) LOW-EMISSION AVIATION TECHNOLOGIES.—The term ''low-emission aviation technologies'' means technologies, produced in the United States, that significantly—

(A) improve aircraft fuel efficiency;

(B) increase utilization of sustainable aviation fuel; or

(C) reduce greenhouse gas emissions produced during operation of civil aircraft.

(6) SECRETARY.—The term ''Secretary'' means the Secretary of Transportation.

(7) SUSTAINABLE AVIATION FUEL.—The term ''sustainable aviation fuel'' means liquid fuel, produced in the United States, that—

(A) consists of synthesized hydrocarbons;

(B) meets the requirements of—

(i) ASTM International Standard D7566; or

(ii) the co-processing provisions of ASTM International Standard D1655, Annex A1 (or such successor standard);

(C) is derived from biomass (in a similar manner as such term is defined in section 45K(c)(3) of the Internal Revenue Code of 1986), waste streams, renewable energy sources, or gaseous carbon oxides;

(D) is not derived from palm fatty acid distillates; and

(E) achieves at least a 50 percent lifecycle greenhouse gas emissions reduction in comparison with petroleum-based jet fuel, as determined by a test that shows—

(i) the fuel production pathway achieves at least a 50 percent reduction of the aggregate attributional core lifecycle emissions and the induced land-use change values under a lifecycle methodology for sustainable aviation fuels similar to that adopted by the International Civil Aviation Organization with the agreement of the United States; or

(ii) the fuel production pathway achieves at least a 50 percent reduction of the aggregate attributional core lifecycle greenhouse gas emissions values and the induced land-use change values under another methodology that the Secretary determines is—

(I) reflective of the latest scientific understanding of lifecycle greenhouse gas emissions; and

(II) as stringent as the requirement under clause (i).

TITLE V—COMMITTEE ON ENERGY AND NATURAL RESOURCES

Subtitle A—Energy

PART 1—GENERAL PROVISIONS

SEC. 50111. DEFINITIONS.

In this subtitle:

(1) GREENHOUSE GAS.—The term ''greenhouse gas'' has the meaning given the term in section 1610(a) of the Energy Policy Act of 1992 (42 U.S.C. 13389(a)).

(2) SECRETARY.—The term ''Secretary'' means the Secretary of Energy.

(3) STATE.—The term ''State'' means a State, the District of Columbia, and a United States Insular Area (as that term is defined in section 50211).

(4) STATE ENERGY OFFICE.—The term ''State energy office'' has the meaning given the term in section 124(a) of the Energy Policy Act of 2005 (42 U.S.C. 15821(a)).

(5) STATE ENERGY PROGRAM.—The term ''State Energy Program'' means the State Energy Program established pursuant to part D of title III of the Energy Policy and Conservation Act (42 U.S.C. 6321 through 6326).

PART 2—RESIDENTIAL EFFICIENCY AND ELECTRIFICATION REBATES

SEC. 50121. HOME ENERGY PERFORMANCE-BASED, WHOLE-HOUSE REBATES.

(a) APPROPRIATION.—

(1) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $4,300,000,000, to remain available through September 30, 2031, to carry out a program to award grants to State energy offices to develop and implement a HOMES rebate program.

(2) ALLOCATION OF FUNDS.—

(A) IN GENERAL.—The Secretary shall reserve funds made available under paragraph (1) for each State energy office—

(i) in accordance with the allocation formula for the State Energy Program in effect on January 1, 2022; and

(ii) to be distributed to a State energy office if the application of the State energy office under subsection (b) is approved.

(B) ADDITIONAL FUNDS.—Not earlier than 2 years after the date of enactment of this Act, any money reserved under subparagraph (A) but not distributed under clause (ii) of that subparagraph shall be redistributed to the State energy offices operating a HOMES rebate program using a grant received under this section in proportion to the amount distributed to those State energy offices under subparagraph (A)(ii).

(3) ADMINISTRATIVE EXPENSES.—Of the funds made available under paragraph (1), the Secretary shall use not more than 3 percent for—

(A) administrative purposes; and

(B) providing technical assistance relating to activities carried out under this section.

(b) APPLICATION.—A State energy office seeking a grant under this section shall submit to the Secretary an application that includes a plan to implement a HOMES rebate program, including a plan—

(1) to use procedures, as approved by the Secretary, for determining the reductions in home energy use resulting from the implementation of a home energy efficiency retrofit that are calibrated to historical energy usage for a home consistent with BPI 2400, for purposes of modeled performance home rebates;

(2) to use open-source advanced measurement and verification software, as approved by the Secretary, for determining and documenting the monthly and hourly (if available) weather-normalized energy use of a home before and after the implementation of a home energy efficiency retrofit, for purposes of measured performance home rebates;

(3) to value savings based on time, location, or greenhouse gas emissions;

(4) for quality monitoring to ensure that each home energy efficiency retrofit for which a rebate is provided is documented in a certificate that—

(A) is provided by the contractor and certified by a third party to the homeowner; and

(B) details the work performed, the equipment and materials installed, and the projected energy savings or energy generation to support accurate valuation of the retrofit;

(5) to provide a contractor performing a home energy efficiency retrofit or an aggregator who has the right to claim a rebate $200 for each home located in a disadvantaged community that receives a home energy efficiency retrofit for which a rebate is provided under the program; and

(6) to ensure that a homeowner or aggregator does not receive a rebate for the same upgrade through both a HOMES rebate program and any other Federal grant or rebate program, pursuant to subsection (c)(7).

(c) HOMES REBATE PROGRAM.—

(1) IN GENERAL.—A HOMES rebate program carried out by a State energy office receiving a grant pursuant to this section shall provide rebates to homeowners and aggregators for whole-house energy saving retrofits begun on or after the date of enactment of this Act and completed by not later than September 30, 2031.

(2) AMOUNT OF REBATE.—Subject to paragraph (3), under a HOMES rebate program, the amount of a rebate shall not exceed—

(A) for individuals and aggregators carrying out energy efficiency upgrades of single-family homes—

(i) in the case of a retrofit that achieves modeled energy system savings of not less than 20 percent but less than 35 percent, the lesser of—

(I) $2,000; and

(II) 50 percent of the project cost;

(ii) in the case of a retrofit that achieves modeled energy system savings of not less than 35 percent, the lesser of—

(I) $4,000; and

(II) 50 percent of the project cost; and

(iii) for measured energy savings, in the case of a home or portfolio of homes that achieves energy savings of not less than 15 percent—

(I) a payment rate per kilowatt hour saved, or kilowatt hour-equivalent saved, equal to $2,000 for a 20 percent reduction of energy use for the average home in the State; or

(II) 50 percent of the project cost;

(B) for multifamily building owners and aggregators carrying out energy efficiency upgrades of multifamily buildings—

(i) in the case of a retrofit that achieves modeled energy system savings of not less than 20 percent but less than 35 percent, $2,000 per dwelling unit, with a maximum of $200,000 per multifamily building;

(ii) in the case of a retrofit that achieves modeled energy system savings of not less than 35 percent, $4,000 per dwelling unit, with a maximum of $400,000 per multifamily building; or

(iii) for measured energy savings, in the case of a multifamily building or portfolio of multifamily buildings that achieves energy savings of not less than 15 percent—

(I) a payment rate per kilowatt hour saved, or kilowatt hour-equivalent saved, equal to $2,000 for a 20 percent reduction of energy use per dwelling unit for the average multifamily building in the State; or

(II) 50 percent of the project cost; and

(C) for individuals and aggregators carrying out energy efficiency upgrades of a single-family home occupied by a low- or moderate-income household or a multifamily building not less than 50 percent of the dwelling units of which are occupied by low- or moderate-income households—

(i) in the case of a retrofit that achieves modeled energy system savings of not less than 20 percent but less than 35 percent, the lesser of—

(I) $4,000 per single-family home or dwelling unit; and

(II) 80 percent of the project cost;

(ii) in the case of a retrofit that achieves modeled energy system savings of not less than 35 percent, the lesser of—

(I) $8,000 per single-family home or dwelling unit; and

(II) 80 percent of the project cost; and

(iii) for measured energy savings, in the case of a single-family home, multifamily building, or portfolio of single-family homes or multifamily buildings that achieves energy savings of not less than 15 percent—

(I) a payment rate per kilowatt hour saved, or kilowatt hour-equivalent saved, equal to $4,000 for a 20 percent reduction of energy use per single-family home or dwelling unit, as applicable, for the average single-family home or multifamily building in the State; or

(II) 80 percent of the project cost.

(3) REBATES TO LOW- OR MODERATE-INCOME HOUSEHOLDS.—On approval from the Secretary, notwithstanding paragraph (2), a State energy office carrying out a HOMES rebate program using a grant awarded pursuant to this section may increase rebate amounts for low- or moderate-income households.

(4) USE OF FUNDS.—A State energy office that receives a grant pursuant to this section may use not more than 20 percent of the grant amount for planning, administration, or technical assistance related to a HOMES rebate program.

(5) DATA ACCESS GUIDELINES.—The Secretary shall develop and publish guidelines for States relating to residential electric and natural gas energy data sharing.

(6) EXEMPTION.—Activities carried out by a State energy office using a grant awarded pursuant to this section shall not be subject to the expenditure prohibitions and limitations described in section 420.18 of title 10, Code of Federal Regulations.

(7) PROHIBITION ON COMBINING REBATES.—A rebate provided by a State energy office under a HOMES rebate program may not be combined with any other Federal grant or rebate, including a rebate provided under a high-efficiency electric home rebate program (as defined in section 50122(d)), for the same single upgrade.

(d) DEFINITIONS.—In this section:

(1) DISADVANTAGED COMMUNITY.—The term ''disadvantaged community'' means a community that the Secretary determines, based on appropriate data, indices, and screening tools, is economically, socially, or environmentally disadvantaged.

(2) HOMES REBATE PROGRAM.—The term ''HOMES rebate program'' means a Home Owner Managing Energy Savings rebate program established by a State energy office as part of an approved State energy conservation plan under the State Energy Program.

(3) LOW- OR MODERATE-INCOME HOUSEHOLD.—The term ''low- or moderate-income household'' means an individual or family the total annual income of which is less than 80 percent of the median income of the area in which the individual or family resides, as reported by the Department of Housing and Urban Development, including an individual or family that has demonstrated eligibility for another Federal program with income restrictions equal to or below 80 percent of area median income.

SEC. 50122. HIGH-EFFICIENCY ELECTRIC HOME REBATE PROGRAM.

(a) APPROPRIATIONS.—

(1) FUNDS TO STATE ENERGY OFFICES AND INDIAN TRIBES.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to carry out a program—

(A) to award grants to State energy offices to develop and implement a high-efficiency electric home rebate program in accordance with subsection (c), $4,275,000,000, to remain available through September 30, 2031; and

(B) to award grants to Indian Tribes to develop and implement a high-efficiency electric home rebate program in accordance with subsection (c), $225,000,000, to remain available through September 30, 2031.

(2) ALLOCATION OF FUNDS.—

(A) STATE ENERGY OFFICES.—The Secretary shall reserve funds made available under paragraph (1)(A) for each State energy office—

(i) in accordance with the allocation formula for the State Energy Program in effect on January 1, 2022; and

(ii) to be distributed to a State energy office if the application of the State energy office under subsection (b) is approved.

(B) INDIAN TRIBES.—The Secretary shall reserve funds made available under paragraph (1)(B)—

(i) in a manner determined appropriate by the Secretary; and

(ii) to be distributed to an Indian Tribe if the application of the Indian Tribe under subsection (b) is approved.

(C) ADDITIONAL FUNDS.—Not earlier than 2 years after the date of enactment of this Act, any money reserved under—

(i) subparagraph (A) but not distributed under clause (ii) of that subparagraph shall be redistributed to the State energy offices operating a high-efficiency electric home rebate program in proportion to the amount distributed to those State energy offices under that clause; and

(ii) subparagraph (B) but not distributed under clause (ii) of that subparagraph shall be redistributed to the Indian Tribes operating a high-efficiency electric home rebate program in proportion to the amount distributed to those Indian Tribes under that clause.

(3) ADMINISTRATIVE EXPENSES.—Of the funds made available under paragraph (1), the Secretary shall use not more than 3 percent for—

(A) administrative purposes; and

(B) providing technical assistance relating to activities carried out under this section.

(b) APPLICATION.—A State energy office or Indian Tribe seeking a grant under the program shall submit to the Secretary an application that includes a plan to implement a high-efficiency electric home rebate program, including—

(1) a plan to verify the income eligibility of eligible entities seeking a rebate for a qualified electrification project;

(2) a plan to allow rebates for qualified electrification projects at the point of sale in a manner that ensures that the income eligibility of an eligible entity seeking a rebate may be verified at the point of sale;

(3) a plan to ensure that an eligible entity does not receive a rebate for the same qualified electrification project through both a high-efficiency electric home rebate program and any other Federal grant or rebate program, pursuant to subsection (c)(8); and

(4) any additional information that the Secretary may require.

(c) HIGH-EFFICIENCY ELECTRIC HOME REBATE PROGRAM.—

(1) IN GENERAL.—Under the program, the Secretary shall award grants to State energy offices and Indian Tribes to establish a high-efficiency electric home rebate program under which rebates shall be provided to eligible entities for qualified electrification projects.

(2) GUIDELINES.—The Secretary shall prescribe guidelines for high-efficiency electric home rebate programs, including guidelines for providing point of sale rebates in a manner consistent with the income eligibility requirements under this section.

(3) AMOUNT OF REBATE.—

(A) APPLIANCE UPGRADES.—The amount of a rebate provided under a high-efficiency electric home rebate program for the purchase of an appliance under a qualified electrification project shall be—

(i) not more than $1,750 for a heat pump water heater;

(ii) not more than $8,000 for a heat pump for space heating or cooling; and

(iii) not more than $840 for—

(I) an electric stove, cooktop, range, or oven; or

(II) an electric heat pump clothes dryer.

(B) NONAPPLIANCE UPGRADES.—The amount of a rebate provided under a high-efficiency electric home rebate program for the purchase of a nonappliance upgrade under a qualified electrification project shall be—

(i) not more than $4,000 for an electric load service center upgrade;

(ii) not more than $1,600 for insulation, air sealing, and ventilation; and

(iii) not more than $2,500 for electric wiring.

(C) MAXIMUM REBATE.—An eligible entity receiving multiple rebates under this section may receive not more than a total of $14,000 in rebates.

(4) LIMITATIONS.—A rebate provided using funding under this section shall not exceed—

(A) in the case of an eligible entity described in subsection (d)(1)(A)—

(i) 50 percent of the cost of the qualified electrification project for a household the annual income of which is not less than 80 percent and not greater than 150 percent of the area median income; and

(ii) 100 percent of the cost of the qualified electrification project for a household the annual income of which is less than 80 percent of the area median income;

(B) in the case of an eligible entity described in subsection (d)(1)(B)—

(i) 50 percent of the cost of the qualified electrification project for a multifamily building not less than 50 percent of the residents of which are households the annual income of which is not less than 80 percent and not greater than 150 percent of the area median income; and

(ii) 100 percent of the cost of the qualified electrification project for a multifamily building not less than 50 percent of the residents of which are households the annual income of which is less than 80 percent of the area median income; or

(C) in the case of an eligible entity described in subsection (d)(1)(C)—

(i) 50 percent of the cost of the qualified electrification project for a household—

(I) on behalf of which the eligible entity is working; and

(II) the annual income of which is not less than 80 percent and not greater than 150 percent of the area median income; and

(ii) 100 percent of the cost of the qualified electrification project for a household—

(I) on behalf of which the eligible entity is working; and

(II) the annual income of which is less than 80 percent of the area median income.

(5) AMOUNT FOR INSTALLATION OF UPGRADES.—

(A) IN GENERAL.—In the case of an eligible entity described in subsection (d)(1)(C) that receives a rebate under the program and performs the installation of the applicable qualified electrification project, a State energy office or Indian Tribe shall provide to that eligible entity, in addition to the rebate, an amount that—

(i) does not exceed $500; and

(ii) is commensurate with the scale of the upgrades installed as part of the qualified electrification project, as determined by the Secretary.

(B) TREATMENT.—An amount received under subparagraph (A) by an eligible entity described in that subparagraph shall not be subject to the requirement under paragraph (6).

(6) REQUIREMENT.—An eligible entity described in subparagraph (C) of subsection (d)(1) shall discount the amount of a rebate received for a qualified electrification project from any amount charged by that eligible entity to the eligible entity described in subparagraph (A) or (B) of that subsection on behalf of which the qualified electrification project is carried out.

(7) EXEMPTION.—Activities carried out by a State energy office using a grant provided under the program shall not be subject to the expenditure prohibitions and limitations described in section 420.18 of title 10, Code of Federal Regulations.

(8) PROHIBITION ON COMBINING REBATES.—A rebate provided by a State energy office or Indian Tribe under a high-efficiency electric home rebate program may not be combined with any other Federal grant or rebate, including a rebate provided under a HOMES rebate program (as defined in section 50121(d)), for the same qualified electrification project.

(9) ADMINISTRATIVE COSTS.—A State energy office or Indian Tribe that receives a grant under the program shall use not more than 20 percent of the grant amount for planning, administration, or technical assistance relating to a high-efficiency electric home rebate program.

(d) DEFINITIONS.—In this section:

(1) ELIGIBLE ENTITY.—The term ''eligible entity'' means—

(A) a low- or moderate-income household;

(B) an individual or entity that owns a multifamily building not less than 50 percent of the residents of which are low- or moderate-income households; and

(C) a governmental, commercial, or nonprofit entity, as determined by the Secretary, carrying out a qualified electrification project on behalf of an entity described in subparagraph (A) or (B).

(2) HIGH-EFFICIENCY ELECTRIC HOME REBATE PROGRAM.—The term ''high-efficiency electric home rebate program'' means a rebate program carried out by a State energy office or Indian Tribe pursuant to subsection (c) using a grant received under the program.

(3) INDIAN TRIBE.—The term ''Indian Tribe'' has the meaning given the term in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5304).

(4) LOW- OR MODERATE-INCOME HOUSEHOLD.—The term ''low- or moderate-income household'' means an individual or family the total annual income of which is less than 150 percent of the median income of the area in which the individual or family resides, as reported by the Department of Housing and Urban Development, including an individual or family that has demonstrated eligibility for another Federal program with income restrictions equal to or below 150 percent of area median income.

(5) PROGRAM.—The term ''program'' means the program carried out by the Secretary under subsection (a)(1).

(6) QUALIFIED ELECTRIFICATION PROJECT.—

(A) IN GENERAL.—The term ''qualified electrification project'' means a project that—

(i) includes the purchase and installation of—

(I) an electric heat pump water heater;

(II) an electric heat pump for space heating and cooling;

(III) an electric stove, cooktop, range, or oven;

(IV) an electric heat pump clothes dryer;

(V) an electric load service center;

(VI) insulation;

(VII) air sealing and materials to improve ventilation; or

(VIII) electric wiring;

(ii) with respect to any appliance described in clause (i), the purchase of which is carried out—

(I) as part of new construction;

(II) to replace a nonelectric appliance; or

(III) as a first-time purchase with respect to that appliance; and

(iii) is carried out at, or relating to, a single-family home or multifamily building, as applicable and defined by the Secretary.

(B) EXCLUSIONS.—The term ''qualified electrification project'' does not include any project with respect to which the appliance, system, equipment, infrastructure, component, or other item described in subclauses (I) through (VIII) of subparagraph (A)(i) is not certified under the Energy Star program established by section 324A of the Energy Policy and Conservation Act (42 U.S.C. 6294a), if applicable.

SEC. 50123. STATE-BASED HOME ENERGY EFFICIENCY CONTRACTOR TRAINING GRANTS.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $200,000,000, to remain available through September 30, 2031, to carry out a program to provide financial assistance to States to develop and implement a State program described in section 362(d)(13) of the Energy Policy and Conservation Act (42 U.S.C. 6322(d)(13)), which shall provide training and education to contractors involved in the installation of home energy efficiency and electrification improvements, including improvements eligible for rebates under a HOMES rebate program (as defined in section 50121(d)) or a high-efficiency electric home rebate program (as defined in section 50122(d)), as part of an approved State energy conservation plan under the State Energy Program.

(b) USE OF FUNDS.—A State may use amounts received under subsection (a)—

(1) to reduce the cost of training contractor employees;

(2) to provide testing and certification of contractors trained and educated under a State program developed and implemented pursuant to subsection (a); and

(3) to partner with nonprofit organizations to develop and implement a State program pursuant to subsection (a).

(c) ADMINISTRATIVE EXPENSES.—Of the amounts received by a State under subsection (a), a State shall use not more than 10 percent for administrative expenses associated with developing and implementing a State program pursuant to that subsection.

PART 3—BUILDING EFFICIENCY AND RESILIENCE

SEC. 50131. ASSISTANCE FOR LATEST AND ZERO BUILDING ENERGY CODE ADOPTION.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated—

(1) $330,000,000, to remain available through September 30, 2029, to carry out activities under part D of title III of the Energy Policy and Conservation Act (42 U.S.C. 6321 through 6326) in accordance with subsection (b); and

(2) $670,000,000, to remain available through September 30, 2029, to carry out activities under part D of title III of the Energy Policy and Conservation Act (42 U.S.C. 6321 through 6326) in accordance with subsection (c).

(b) LATEST BUILDING ENERGY CODE.—The Secretary shall use funds made available under subsection (a)(1) for grants to assist States, and units of local government that have authority to adopt building codes—

(1) to adopt—

(A) a building energy code (or codes) for residential buildings that meets or exceeds the 2021 International Energy Conservation Code, or achieves equivalent or greater energy savings;

(B) a building energy code (or codes) for commercial buildings that meets or exceeds the ANSI/ASHRAE/IES Standard 90.1–2019, or achieves equivalent or greater energy savings; or

(C) any combination of building energy codes described in subparagraph (A) or (B); and

(2) to implement a plan for the jurisdiction to achieve full compliance with any building energy code adopted under paragraph (1) in new and renovated residential or commercial buildings, as applicable, which plan shall include active training and enforcement programs and measurement of the rate of compliance each year.

(c) ZERO ENERGY CODE.—The Secretary shall use funds made available under subsection (a)(2) for grants to assist States, and units of local government that have authority to adopt building codes—

(1) to adopt a building energy code (or codes) for residential and commercial buildings that meets or exceeds the zero energy provisions in the 2021 International Energy Conservation Code or an equivalent stretch code; and

(2) to implement a plan for the jurisdiction to achieve full compliance with any building energy code adopted under paragraph (1) in new and renovated residential and commercial buildings, which plan shall include active training and enforcement programs and measurement of the rate of compliance each year.

(d) STATE MATCH.—The State cost share requirement under the item relating to ''Department of Energy—Energy Conservation'' in title II of the Department of the Interior and Related Agencies Appropriations Act, 1985 (42 U.S.C. 6323a; 98 Stat. 1861), shall not apply to assistance provided under this section.

(e) ADMINISTRATIVE COSTS.—Of the amounts made available under this section, the Secretary shall reserve not more than 5

percent for administrative costs necessary to carry out this section.

PART 4—DOE LOAN AND GRANT PROGRAMS

SEC. 50141. FUNDING FOR DEPARTMENT OF ENERGY LOAN PROGRAMS OFFICE.

(a) COMMITMENT AUTHORITY.—In addition to commitment authority otherwise available and previously provided, the Secretary may make commitments to guarantee loans for eligible projects under section 1703 of the Energy Policy Act of 2005 (42 U.S.C. 16513), up to a total principal amount of $40,000,000,000, to remain available through September 30, 2026.

(b) APPROPRIATION.—In addition to amounts otherwise available and previously provided, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $3,600,000,000, to remain available through September 30, 2026, for the costs of guarantees made under section 1703 of the Energy Policy Act of 2005 (42 U.S.C. 16513), using the loan guarantee authority provided under subsection (a) of this section.

(c) ADMINISTRATIVE EXPENSES.—Of the amount made available under subsection (b), the Secretary shall reserve not more than 3 percent for administrative expenses to carry out title XVII of the Energy Policy Act of 2005 and for carrying out section 1702(h)(3) of such Act (42 U.S.C. 16512(h)(3)).

(d) LIMITATIONS.—

(1) CERTIFICATION.—None of the amounts made available under this section for loan guarantees shall be available for any project unless the President has certified in advance in writing that the loan guarantee and the project comply with the provisions under this section.

(2) DENIAL OF DOUBLE BENEFIT.—Except as provided in paragraph (3), none of the amounts made available under this section for loan guarantees shall be available for commitments to guarantee loans for any projects under which funds, personnel, or property (tangible or intangible) of any Federal agency, instrumentality, personnel, or affiliated entity are expected to be used (directly or indirectly) through acquisitions, contracts, demonstrations, exchanges, grants, incentives, leases, procurements, sales, other transaction authority, or other arrangements to support the project or to obtain goods or services from the project.

(3) EXCEPTION.—Paragraph (2) shall not preclude the use of the loan guarantee authority provided under this section for commitments to guarantee loans for—

(A) projects benefitting from otherwise allowable Federal tax benefits;

(B) projects benefitting from being located on Federal land pursuant to a lease or right-of-way agreement for which all consideration for all uses is—

(i) paid exclusively in cash;

(ii) deposited in the Treasury as offsetting receipts; and

(iii) equal to the fair market value;

(C) projects benefitting from the Federal insurance program under section 170 of the Atomic Energy Act of 1954 (42 U.S.C. 2210); or

(D) electric generation projects using transmission facilities owned or operated by a Federal Power Marketing Administration or the Tennessee Valley Authority that have been authorized, approved, and financed independent of the project receiving the guarantee.

(e) GUARANTEE.—Section 1701(4)(A) of the Energy Policy Act of 2005 (42 U.S.C. 16511(4)(A)) is amended by inserting '', except that a loan guarantee may guarantee any debt obligation of a non-Federal borrower to any Eligible Lender (as defined in section 609.2 of title 10, Code of Federal Regulations)'' before the period at the end.

(f) SOURCE OF PAYMENTS.—Section 1702(b) of the Energy Policy Act of 2005 (42 U.S.C. 16512(b)(2)) is amended by adding at the end the following:

''(3) SOURCE OF PAYMENTS.—The source of a payment received from a borrower under subparagraph (A) or (B) of paragraph (2) may not be a loan or other debt obligation that is made or guaranteed by the Federal Government.''.

SEC. 50142. ADVANCED TECHNOLOGY VEHICLE MANUFACTURING.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $3,000,000,000, to remain available through September 30, 2028, for the costs of providing direct loans under section 136(d) of the Energy Independence and Security Act of 2007 (42 U.S.C. 17013(d)): *Provided*, That funds appropriated by this section may be used for the costs of providing direct loans for reequipping, expanding, or establishing a manufacturing facility in the United States to produce, or for engineering integration performed in the United States of, advanced technology vehicles described in subparagraph (C), (D), (E), or (F) of section 136(a)(1) of such Act (42 U.S.C. 17013(a)(1)) only if such advanced technology vehicles emit, under any possible operational mode or condition, low or zero exhaust emissions of greenhouse gases.

(b) ADMINISTRATIVE COSTS.—The Secretary shall reserve not more than $25,000,000 of amounts made available under subsection (a) for administrative costs of providing loans as described in subsection (a).

(c) ELIMINATION OF LOAN PROGRAM CAP.—Section 136(d)(1) of the Energy Independence and Security Act of 2007 (42 U.S.C. 17013(d)(1)) is amended by striking ''a total of not more than $25,000,000,000 in''.

SEC. 50143. DOMESTIC MANUFACTURING CONVERSION GRANTS.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $2,000,000,000, to remain available through September 30, 2031, to provide grants for domestic production of efficient hybrid, plug-in electric hybrid, plug-in electric drive, and hydrogen fuel cell electric vehicles, in accordance with section 712 of the Energy Policy Act of 2005 (42 U.S.C. 16062).

(b) COST SHARE.—The Secretary shall require a recipient of a grant provided under subsection (a) to provide not less than 50 percent of the cost of the project carried out using the grant.

(c) ADMINISTRATIVE COSTS.—The Secretary shall reserve not more than 3 percent of amounts made available under subsection (a) for administrative costs of making grants described in such subsection (a) pursuant to section 712 of the Energy Policy Act of 2005 (42 U.S.C. 16062).

SEC. 50144. ENERGY INFRASTRUCTURE REINVESTMENT FINANCING.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $5,000,000,000, to remain available through September 30, 2026, to carry out activities under section 1706 of the Energy Policy Act of 2005.

(b) COMMITMENT AUTHORITY.—The Secretary may make, through September 30, 2026, commitments to guarantee loans for projects under section 1706 of the Energy Policy Act of 2005 the total principal amount of which is not greater than $250,000,000,000, subject to the limitations that apply to loan guarantees under section 50141(d).

(c) ENERGY INFRASTRUCTURE REINVESTMENT FINANCING.—Title XVII of the Energy Policy Act of 2005 is amended by inserting after section 1705 (42 U.S.C. 16516) the following:

''SEC. 1706. ENERGY INFRASTRUCTURE REINVESTMENT FINANCING.

''(a) IN GENERAL.—Notwithstanding section 1703, the Secretary may make guarantees, including refinancing, under this section only for projects that—

''(1) retool, repower, repurpose, or replace energy infrastructure that has ceased operations; or

''(2) enable operating energy infrastructure to avoid, reduce, utilize, or sequester air pollutants or anthropogenic emissions of greenhouse gases.

''(b) INCLUSION.—A project under subsection (a) may include the remediation of environmental damage associated with energy infrastructure.

''(c) REQUIREMENT.—A project under subsection (a)(1) that involves electricity generation through the use of fossil fuels shall be required to have controls or technologies to avoid, reduce, utilize, or sequester air pollutants and anthropogenic emissions of greenhouse gases.

''(d) APPLICATION.—To apply for a guarantee under this section, an applicant shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require, including—

''(1) a detailed plan describing the proposed project;

''(2) an analysis of how the proposed project will engage with and affect associated communities; and

''(3) in the case of an applicant that is an electric utility, an assurance that the electric utility shall pass on any financial benefit from the guarantee made under this section to the customers of, or associated communities served by, the electric utility.

''(e) TERM.—Notwithstanding section 1702(f), the term of an obligation shall require full repayment over a period not to exceed 30 years.

''(f) DEFINITION OF ENERGY INFRASTRUCTURE.—In this section, the term 'energy infrastructure' means a facility, and associated equipment, used for—

''(1) the generation or transmission of electric energy; or

''(2) the production, processing, and delivery of fossil fuels, fuels derived from petroleum, or petrochemical feedstocks.''.

(d) CONFORMING AMENDMENT.—Section 1702(o)(3) of the Energy Policy Act of 2005 (42 U.S.C. 16512(o)(3)) is amended by inserting ''and projects described in section 1706(a)'' before the period at the end.

SEC. 50145. TRIBAL ENERGY LOAN GUARANTEE PROGRAM.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $75,000,000, to remain available through September 30, 2028, to carry out section 2602(c) of the Energy Policy Act of 1992 (25 U.S.C. 3502(c)), subject to the limitations that apply to loan guarantees under section 50141(d).

(b) DEPARTMENT OF ENERGY TRIBAL ENERGY LOAN GUARANTEE PROGRAM.—Section 2602(c) of the Energy Policy Act of 1992 (25 U.S.C. 3502(c)) is amended—

(1) in paragraph (1), by striking '') for an amount equal to not more than 90 percent of'' and inserting '', except that a loan guarantee may guarantee any debt obligation of a non-Federal borrower to any Eligible Lender (as defined in section 609.2 of title 10, Code of Federal Regulations)) for''; and

(2) in paragraph (4), by striking ''$2,000,000,000'' and inserting ''$20,000,000,000''.

PART 5—ELECTRIC TRANSMISSION

SEC. 50151. TRANSMISSION FACILITY FINANCING.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $2,000,000,000, to remain available through September 30, 2030, to carry out this section: *Provided*, That the Secretary shall not enter into any loan agreement pursuant to this section that could result in disbursements after September 30, 2031.

(b) USE OF FUNDS.—The Secretary shall use the amounts made available by subsection (a) to carry out a program to pay the costs of direct loans to non-Federal borrowers, subject to the limitations that apply to loan guarantees under section 50141(d) and under such terms and conditions as the Secretary determines to be appropriate, for the construction or modification of electric transmission facilities designated by the Secretary to be necessary in the national interest under section 216(a) of the Federal Power Act (16 U.S.C. 824p(a)).

(c) LOANS.—A direct loan provided under this section—

(1) shall have a term that does not exceed the lesser of—

(A) 90 percent of the projected useful life, in years, of the eligible transmission facility; and

(B) 30 years;

(2) shall not exceed 80 percent of the project costs; and

(3) shall, on first issuance, be subject to the condition that the direct loan is not subordinate to other financing.

(d) INTEREST RATES.—A direct loan provided under this section shall bear interest at a rate determined by the Secretary, taking into consideration market yields on outstanding marketable obligations of the United States of comparable maturities as of the date on which the direct loan is made.

(e) DEFINITION OF DIRECT LOAN.—In this section, the term ''direct loan'' has the meaning given the term in section 502 of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a).

SEC. 50152. GRANTS TO FACILITATE THE SITING OF INTERSTATE ELECTRICITY TRANSMISSION LINES.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $760,000,000, to remain available through September 30, 2029, for making grants in accordance with this section and for administrative expenses associated with carrying out this section.

(b) USE OF FUNDS.—

(1) IN GENERAL.—The Secretary may make a grant under this section to a siting authority for, with respect to a covered transmission project, any of the following activities:

(A) Studies and analyses of the impacts of the covered transmission project.

(B) Examination of up to 3 alternate siting corridors within which the covered transmission project feasibly could be sited.

(C) Participation by the siting authority in regulatory proceedings or negotiations in another jurisdiction, or under the auspices of a Transmission Organization (as defined in section 3 of the Federal Power Act (16 U.S.C. 796)) that is also considering the siting or permitting of the covered transmission project.

(D) Participation by the siting authority in regulatory proceedings at the Federal Energy Regulatory Commission or a State regulatory commission for determining applicable rates and cost allocation for the covered transmission project.

(E) Other measures and actions that may improve the chances of, and shorten the time required for, approval by the siting authority of the application relating to the siting or permitting of the covered transmission project, as the Secretary determines appropriate.

(2) ECONOMIC DEVELOPMENT.—The Secretary may make a grant under this section to a siting authority, or other State, local, or Tribal governmental entity, for economic development activities for communities that may be affected by the construction and operation of a covered transmission project, provided that the Secretary shall not enter into any grant agreement pursuant to this section that could result in any outlays after September 30, 2031.

(c) CONDITIONS.—

(1) FINAL DECISION ON APPLICATION.—In order to receive a grant for an activity described in subsection (b)(1), the Secretary shall require a siting authority to agree, in writing, to reach a final decision on the application relating to the siting or permitting of the applicable covered transmission project not later than 2 years after the date on which such grant is provided, unless the Secretary authorizes an extension for good cause.

(2) FEDERAL SHARE.—The Federal share of the cost of an activity described in subparagraph (C) or (D) of subsection (b)(1) shall not exceed 50 percent.

(3) ECONOMIC DEVELOPMENT.—The Secretary may only disburse grant funds for economic development activities under subsection (b)(2)—

(A) to a siting authority upon approval by the siting authority of the applicable covered transmission project; and

(B) to any other State, local, or Tribal governmental entity upon commencement of construction of the applicable covered transmission project in the area under the jurisdiction of the entity.

(d) RETURNING FUNDS.—If a siting authority that receives a grant for an activity described in subsection (b)(1) fails to use all grant funds within 2 years of receipt, the siting authority shall return to the Secretary any such unused funds.

(e) DEFINITIONS.—In this section:

(1) COVERED TRANSMISSION PROJECT.—The term ''covered transmission project'' means a high-voltage interstate or offshore electricity transmission line—

(A) that is proposed to be constructed and to operate—

(i) at a minimum of 275 kilovolts of either alternating-current or direct-current electric energy by an entity; or

(ii) offshore and at a minimum of 200 kilovolts of either alternating-current or direct-current electric energy by an entity; and

(B) for which such entity has applied, or informed a siting authority of such entity's intent to apply, for regulatory approval.

(2) SITING AUTHORITY.—The term ''siting authority'' means a State, local, or Tribal governmental entity with authority to make a final determination regarding the siting, permitting, or regulatory status of a covered transmission project that is proposed to be located in an area under the jurisdiction of the entity.

SEC. 50153. INTERREGIONAL AND OFFSHORE WIND ELECTRICITY TRANSMISSION PLANNING, MODELING, AND ANALYSIS.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $100,000,000, to remain available through September 30, 2031, to carry out this section.

(b) USE OF FUNDS.—The Secretary shall use amounts made available under subsection (a)—

(1) to pay expenses associated with convening relevant stakeholders to address the development of interregional electricity transmission and transmission of electricity that is generated by offshore wind; and

(2) to conduct planning, modeling, and analysis regarding interregional electricity transmission and transmission of electricity that is generated by offshore wind, taking into account the local, regional, and national economic, reliability, resilience, security, public policy, and environmental benefits of interregional electricity transmission and transmission of electricity that is generated by offshore wind, including planning, modeling, and analysis, as the Secretary determines appropriate, pertaining to—

(A) clean energy integration into the electric grid, including the identification of renewable energy zones;

(B) the effects of changes in weather due to climate change on the reliability and resilience of the electric grid;

(C) cost allocation methodologies that facilitate the expansion of the bulk power system;

(D) the benefits of coordination between generator interconnection processes and transmission planning processes;

(E) the effect of increased electrification on the electric grid;

(F) power flow modeling;

(G) the benefits of increased interconnections or interties between or among the Western Interconnection, the Eastern Interconnection, the Electric Reliability Council of Texas, and other interconnections, as applicable;

(H) the cooptimization of transmission and generation, including variable energy resources, energy storage, and demand-side management;

(I) the opportunities for use of nontransmission alternatives, energy storage, and grid-enhancing technologies;

(J) economic development opportunities for communities arising from development of interregional electricity transmission and transmission of electricity that is generated by offshore wind;

(K) evaluation of existing rights-of-way and the need for additional transmission corridors; and

(L) a planned national transmission grid, which would include a networked transmission system to optimize the existing grid for interconnection of offshore wind farms.

PART 6—INDUSTRIAL

SEC. 50161. ADVANCED INDUSTRIAL FACILITIES DEPLOYMENT PROGRAM.

(a) OFFICE OF CLEAN ENERGY DEMONSTRATIONS.—In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Office of Clean Energy Demonstrations, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $5,812,000,000, to remain available through September 30, 2026, to carry out this section.

(b) FINANCIAL ASSISTANCE.—The Secretary shall use funds appropriated by subsection (a) to provide financial assistance, on a competitive basis, to eligible entities to carry out projects for—

(1) the purchase and installation, or implementation, of advanced industrial technology at an eligible facility;

(2) retrofits, upgrades to, or operational improvements at an eligible facility to install or implement advanced industrial technology; or

(3) engineering studies and other work needed to prepare an eligible facility for activities described in paragraph (1) or (2).

(c) APPLICATION.—To be eligible to receive financial assistance under subsection (b), an eligible entity shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require, including the expected greenhouse gas emissions reductions to be achieved by carrying out the project.

(d) PRIORITY.—In providing financial assistance under subsection (b), the Secretary shall give priority consideration to projects on the basis of, as determined by the Secretary—

(1) the expected greenhouse gas emissions reductions to be achieved by carrying out the project;

(2) the extent to which the project would provide the greatest benefit for the greatest number of people within the area in which the eligible facility is located; and

(3) whether the eligible entity participates or would participate in a partnership with purchasers of the output of the eligible facility.

(e) COST SHARE.—The Secretary shall require an eligible entity to provide not less than 50 percent of the cost of a project carried out pursuant to this section.

(f) ADMINISTRATIVE COSTS.—The Secretary shall reserve not more than $300,000,000 of amounts made available under subsection (a) for administrative costs of carrying out this section.

(g) DEFINITIONS.—In this section:

(1) ADVANCED INDUSTRIAL TECHNOLOGY.—The term ''advanced industrial technology'' means a technology directly involved in an industrial process, as described in any of paragraphs (1) through (6) of section 454(c) of the Energy Independence and Security Act of 2007 (42 U.S.C. 17113(c)), and designed to accelerate greenhouse gas emissions reduction progress to net-zero at an eligible facility, as determined by the Secretary.

(2) ELIGIBLE ENTITY.—The term ''eligible entity'' means the owner or operator of an eligible facility.

(3) ELIGIBLE FACILITY.—The term ''eligible facility'' means a domestic, non-Federal, nonpower industrial or manufacturing facility engaged in energy-intensive industrial processes, including production processes for iron, steel, steel mill products, aluminum, cement, concrete, glass, pulp, paper, industrial ceramics, chemicals, and other energy intensive industrial processes, as determined by the Secretary.

(4) FINANCIAL ASSISTANCE.—The term ''financial assistance'' means a grant, rebate, direct loan, or cooperative agreement.

PART 7—OTHER ENERGY MATTERS

SEC. 50171. DEPARTMENT OF ENERGY OVERSIGHT.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $20,000,000, to remain available through September 30, 2031, for oversight by the Department of Energy Office of Inspector General of the Department of Energy activities for which funding is appropriated in this subtitle.

SEC. 50172. NATIONAL LABORATORY INFRASTRUCTURE.

(a) OFFICE OF SCIENCE.—In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Director of the Office of Science, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available through September 30, 2027—

(1) $133,240,000 to carry out activities for science laboratory infrastructure projects;

(2) $303,656,000 to carry out activities for high energy physics construction and major items of equipment projects;

(3) $280,000,000 to carry out activities for fusion energy science construction and major items of equipment projects;

(4) $217,000,000 to carry out activities for nuclear physics construction and major items of equipment projects;

(5) $163,791,000 to carry out activities for advanced scientific computing research facilities;

(6) $294,500,000 to carry out activities for basic energy sciences projects; and

(7) $157,813,000 to carry out activities for isotope research and development facilities.

(b) OFFICE OF NUCLEAR ENERGY.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $150,000,000, to remain available through September 30, 2027, to carry out activities for infrastructure and general plant projects carried out by the Office of Nuclear Energy.

(c) OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $150,000,000, to remain available through September 30, 2027, to carry out activities for infrastructure and general plant projects carried out by the Office of Energy Efficiency and Renewable Energy.

SEC. 50173. AVAILABILITY OF HIGH-ASSAY LOW-ENRICHED URANIUM.

(a) APPROPRIATIONS.—In addition to amounts otherwise available, there is appropriated to the Secretary of for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, to remain available through September 30, 2026—

(1) $100,000,000 to carry out the program elements described in subparagraphs (A) through (C) of section 2001(a)(2) of the Energy Act of 2020 (42 U.S.C. 16281(a)(2));

(2) $500,000,000 to carry out the program elements described in subparagraphs (D) through (H) of that section; and

(3) $100,000,000 to carry out activities to support the availability of high-assay low-enriched uranium for civilian domestic research, development, demonstration, and commercial use under section 2001 of the Energy Act of 2020 (42 U.S.C. 16281).

(b) COMPETITIVE PROCEDURES.—To the maximum extent practicable, the Department of Energy shall, in a manner consistent with section 989 of the Energy Policy Act of 2005 (42 U.S.C. 16353), use a competitive, merit-based review process in carrying out research, development, demonstration, and deployment activities under section 2001 of the Energy Act of 2020 (42 U.S.C. 16281).

(c) ADMINISTRATIVE EXPENSES.—The Secretary may use not more than 3 percent of the amounts appropriated by subsection (a) for administrative purposes.

Subtitle B—Natural Resources

PART 1—GENERAL PROVISIONS

SEC. 50211. DEFINITIONS.

In this subtitle:

(1) SECRETARY.—The term ''Secretary'' means the Secretary of the Interior.

(2) UNITED STATES INSULAR AREAS.—The term ''United States Insular Areas'' means American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, the Commonwealth of Puerto Rico, and the United States Virgin Islands.

PART 2—PUBLIC LANDS

SEC. 50221. NATIONAL PARKS AND PUBLIC LANDS CONSERVATION AND RESILIENCE.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $250,000,000, to remain available through September 30, 2031, to carry out projects for the conservation, protection, and resiliency of lands and resources administered by the National Park Service and Bureau of Land Management. None of the funds provided under this section shall be subject to cost-share or matching requirements.

SEC. 50222. NATIONAL PARKS AND PUBLIC LANDS CONSERVATION AND ECOSYSTEM RESTORATION.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $250,000,000, to remain available through September 30, 2031, to carry out conservation, ecosystem and habitat restoration projects on lands administered by the National Park Service and Bureau of Land Management. None of the funds provided under this section shall be subject to cost-share or matching requirements.

SEC. 50223. NATIONAL PARK SERVICE EMPLOYEES.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $500,000,000, to remain available through September 30, 2030, to hire employees to serve in units of the National Park System or national historic or national scenic trails administered by the National Park Service.

SEC. 50224. NATIONAL PARK SYSTEM DEFERRED MAINTENANCE.

In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $200,000,000, to remain available through September 30, 2026, to carry out priority deferred maintenance projects, through direct expenditures or transfers, within the boundaries of the National Park System.

PART 3—DROUGHT RESPONSE AND PREPAREDNESS

SEC. 50231. BUREAU OF RECLAMATION DOMESTIC WATER SUPPLY PROJECTS.

In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Commissioner of Reclamation, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $550,000,000, to remain available through September 30, 2031, for grants, contracts, or financial assistance agreements for disadvantaged communities (identified according to criteria adopted by the Commissioner of Reclamation) in a manner as determined by the Commissioner of Reclamation for up to 100 percent of the cost of the planning, design, or construction of water projects the primary purpose of which is to provide domestic water supplies to communities or households that do not have reliable access to domestic water supplies in a State or territory described in the first section of the Act of June 17, 1902 (43 U.S.C. 391; 32 Stat. 388, chapter 1093).

SEC. 50232. CANAL IMPROVEMENT PROJECTS.

In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Commissioner of Reclamation, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $25,000,000, to remain available through September 30, 2031, for the design, study, and implementation of projects (including pilot and demonstration projects) to cover water conveyance facilities with solar panels to generate renewable energy in a manner as determined by the Secretary or for other solar projects associated with Bureau of Reclamation projects that increase water efficiency and assist in implementation of clean energy goals.

SEC. 50233. DROUGHT MITIGATION IN THE RECLAMATION STATES.

(a) DEFINITION OF RECLAMATION STATE.—In this section, the term ''Reclamation State'' means a State or territory described in the first section of the Act of June 17, 1902 (32 Stat. 388, chapter 1093; 43 U.S.C. 391).

(b) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary (acting through the Commissioner of Reclamation), for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $4,000,000,000, to remain available through September 30, 2026, for grants, contracts, or financial assistance agreements, in accordance with the reclamation laws, to or with public entities and Indian Tribes, that provide for the conduct of the following activities to mitigate the impacts of drought in the Reclamation States, with priority given to the Colorado River Basin and other basins experiencing comparable levels of long-term drought, to be implemented in compliance with applicable environmental law:

(1) Compensation for a temporary or multiyear voluntary reduction in diversion of water or consumptive water use.

(2) Voluntary system conservation projects that achieve verifiable reductions in use of or demand for water supplies or provide environmental benefits in the Lower Basin or Upper Basin of the Colorado River.

(3) Ecosystem and habitat restoration projects to address issues directly caused by drought in a river basin or inland water body.

(c) REPORT.—Not later than 1 year after the date of enactment of this Act, and each year thereafter, the Secretary shall submit to Congress a report that describes any expenditures under this section.

PART 4—INSULAR AFFAIRS

SEC. 50241. OFFICE OF INSULAR AFFAIRS CLIMATE CHANGE TECHNICAL ASSISTANCE.

(a) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Office of Insular Affairs, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $15,000,000, to remain available through September 30, 2026, to provide technical assistance for climate change planning, mitigation, adaptation, and resilience to United States Insular Areas.

(b) ADMINISTRATIVE EXPENSES.—In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Office of Insular Affairs, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $900,000, to remain available through September 30, 2026, for necessary administrative expenses associated with carrying out this section.

PART 5—OFFSHORE WIND

SEC. 50251. LEASING ON THE OUTER CONTINENTAL SHELF.

(a) LEASING AUTHORIZED.—The Secretary may grant leases, easements, and rights-of-way pursuant to section 8(p)(1)(C) of the Outer Continental Shelf Lands Act (43 U.S.C. 1337(p)(1)(C)) in an area withdrawn by—

(1) the Presidential memorandum entitled ''Memorandum on the Withdrawal of Certain Areas of the United States Outer Continental Shelf from Leasing Disposition'' and dated September 8, 2020; or

(2) the Presidential memorandum entitled ''Presidential Determination on the Withdrawal of Certain Areas of the United States Outer Continental Shelf from Leasing Disposition'' and dated September 25, 2020.

(b) OFFSHORE WIND FOR THE TERRITORIES.—

(1) APPLICATION OF OUTER CONTINENTAL SHELF LANDS ACT WITH RESPECT TO TERRITORIES OF THE UNITED STATES.—

(A) IN GENERAL.—Section 2 of the Outer Continental Shelf Lands Act (43 U.S.C. 1331) is amended—

(i) in subsection (a)—

(I) by striking ''means all'' and inserting the following: ''means—

''(1) all''; and

(II) in paragraph (1) (as so designated), by striking ''control;'' and inserting the following: ''control or within the exclusive economic zone of the United States and adjacent to any territory of the United States; and''; and

(III) by adding at the end following:

''(2) does not include any area conveyed by Congress to a territorial government for administration;'';

(ii) in subsection (p), by striking ''and'' after the semicolon at the end;

(iii) in subsection (q), by striking the period at the end and inserting ''; and''; and

(iv) by adding at the end the following:

''(r) The term 'State' means—

''(1) each of the several States;

''(2) the Commonwealth of Puerto Rico;

''(3) Guam;

''(4) American Samoa;

''(5) the United States Virgin Islands; and

''(6) the Commonwealth of the Northern Mariana Islands.''.

(B) EXCLUSIONS.—Section 18 of the Outer Continental Shelf Lands Act (43 U.S.C. 1344) is amended by adding at the end the following:

''(i) APPLICATION.—This section shall not apply to the scheduling of any lease sale in an area of the outer Continental Shelf that is adjacent to the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, or the Commonwealth of the Northern Mariana Islands.''.

(2) WIND LEASE SALES FOR AREAS OF THE OUTER CONTINENTAL SHELF.—The Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq.) is amended by adding at the end the following:

''SEC. 33. WIND LEASE SALES FOR AREAS OF THE OUTER CONTINENTAL SHELF OFFSHORE OF TERRITORIES OF THE UNITED STATES.

''(a) WIND LEASE SALES OFF COASTS OF TERRITORIES OF THE UNITED STATES.—

''(1) CALL FOR INFORMATION AND NOMINATIONS.—

''(A) IN GENERAL.—The Secretary shall issue calls for information and nominations for proposed wind lease sales for areas of the outer Continental Shelf described in paragraph (2) that are determined to be feasible.

''(B) INITIAL CALL.—Not later than September 30, 2025, the Secretary shall issue an initial call for information and nominations under this paragraph.

''(2) CONDITIONAL WIND LEASE SALES.—The Secretary may conduct wind lease sales in each area within the exclusive economic zone of the United States adjacent to the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, or the Commonwealth of the Northern Mariana Islands that meets each of the following criteria:

''(A) The Secretary has concluded that a wind lease sale in the area is feasible.

''(B) The Secretary has determined that there is sufficient interest in leasing the area.

''(C) The Secretary has consulted with the Governor of the territory regarding the suitability of the area for wind energy development.''.

PART 6—FOSSIL FUEL RESOURCES

SEC. 50261. OFFSHORE OIL AND GAS ROYALTY RATE.

Section 8(a)(1) of the Outer Continental Shelf Lands Act (43 U.S.C. 1337(a)(1)) is amended—

(1) in each of subparagraphs (A) and (C), by striking ''not less than 12½ per centum'' each place it appears and inserting ''not less than 16⅔ percent'';

(2) in subparagraph (F), by striking ''no less than 12½ per centum'' and inserting ''not less than 16⅔ percent''; and

(3) in subparagraph (H), by striking ''no less than 12 and ½ per centum'' and inserting ''not less than 16⅔ percent''.

SEC. 50262. MINERAL LEASING ACT MODERNIZATION.

(a) ONSHORE OIL AND GAS ROYALTY RATES.—

(1) LEASE OF OIL AND GAS LAND.—Section 17 of the Mineral Leasing Act (30 U.S.C. 226) is amended—

(A) in subsection (b)(1)(A), in the fifth sentence—

(i) by striking ''12.5'' and inserting ''16⅔''; and

(ii) by inserting ''or, in the case of a lease issued during the 10-year period beginning on the date of enactment of the Act titled 'An Act to provide for reconciliation pursuant to title II of S. Con. Res. 14', 16⅔ percent in amount or value of the production removed or sold from the lease'' before the period at the end; and

(B) by striking ''12½ per centum'' each place it appears and inserting ''16⅔ percent''.

(2) CONDITIONS FOR REINSTATEMENT.—Section 31(e)(3) of the Mineral Leasing Act (30 U.S.C. 188(e)(3)) is amended by striking ''16⅔'' each place it appears and inserting ''20''.

(b) OIL AND GAS MINIMUM BID.—Section 17(b) of the Mineral Leasing Act (30 U.S.C. 226(b)) is amended—

(1) in paragraph (1)(B), in the first sentence, by striking ''$2 per acre for a period of 2 years from the date of enactment of the Federal Onshore Oil and Gas Leasing Reform Act of 1987.'' and inserting ''$10 per acre during the 10-year period beginning on the date of enactment of the Act titled 'An Act to provide for reconciliation pursuant to title II of S. Con. Res. 14'.''; and

(2) in paragraph (2)(C), by striking ''$2 per acre'' and inserting ''$10 per acre''.

(c) FOSSIL FUEL RENTAL RATES.—

(1) ANNUAL RENTALS.—Section 17(d) of the Mineral Leasing Act (30 U.S.C. 226(d)) is amended, in the first sentence, by striking ''$1.50 per acre'' and all that follows through the period at the end and inserting ''$3 per acre per year during the 2-year period beginning on the date the lease begins for new leases, and after the end of that 2-year period, $5 per acre per year for the following 6-year period, and not less than $15 per acre per year thereafter, or, in the case of a lease issued during the 10-year period beginning on the date of enactment of the Act titled 'An Act to provide for reconciliation pursuant to title II of S. Con. Res. 14', $3 per acre per year during the 2-year period beginning on the date the lease begins, and after the end of that 2-year period, $5 per acre per year for the following 6-year period, and $15 per acre per year thereafter.''.

(2) RENTALS IN REINSTATED LEASES.—Section 31(e)(2) of the Mineral Leasing Act (30 U.S.C. 188(e)(2)) is amended by striking ''$10'' and inserting ''$20''.

(d) EXPRESSION OF INTEREST FEE.—Section 17 of the Mineral Leasing Act (30 U.S.C. 226) is amended by adding at the end the following:

''(q) FEE FOR EXPRESSION OF INTEREST.—

''(1) IN GENERAL.—The Secretary shall assess a nonrefundable fee against any person that, in accordance with procedures established by the Secretary to carry out this subsection, submits an expression of interest in leasing land available for disposition under this section for exploration for, and development of, oil or gas.

''(2) AMOUNT OF FEE.—

''(A) IN GENERAL.—Subject to subparagraph (B), the fee assessed under paragraph (1) shall be $5 per acre of the area covered by the applicable expression of interest.

''(B) ADJUSTMENT OF FEE.—The Secretary shall, by regulation, not less frequently than every 4 years, adjust the amount of the fee under subparagraph (A) to reflect the change in inflation.''.

(e) ELIMINATION OF NONCOMPETITIVE LEASING.—

(1) IN GENERAL.—Section 17 of the Mineral Leasing Act (30 U.S.C. 226) is amended—

(A) in subsection (b)—

(i) in paragraph (1)(A)—

(I) in the first sentence, by striking ''paragraphs (2) and (3) of this subsection'' and inserting ''paragraph (2)''; and

(II) by striking the last sentence; and

(ii) by striking paragraph (3);

(B) by striking subsection (c) and inserting the following:

''(c) ADDITIONAL ROUNDS OF COMPETITIVE BIDDING.—Land made available for leasing under subsection (b)(1) for which no bid is accepted or received, or the land for which a lease terminates, expires, is cancelled, or is relinquished, may be made available by the Secretary of the Interior for a new round of competitive bidding under that subsection.''; and

(C) by striking subsection (e) and inserting the following:

''(e) TERM OF LEASE.—

''(1) IN GENERAL.—Any lease issued under this section, including a lease for tar sand areas, shall be for a primary term of 10 years.

''(2) CONTINUATION OF LEASE.—A lease described in paragraph (1) shall continue after the primary term of the lease for any period during which oil or gas is produced in paying quantities.

''(3) ADDITIONAL EXTENSIONS.—Any lease issued under this section for land on which, or for which under an approved cooperative or unit plan of development or operation, actual drilling operations were commenced and diligently prosecuted prior to the end of the primary term of the lease shall be extended for 2 years and for any period thereafter during which oil or gas is produced in paying quantities.''.

(2) CONFORMING AMENDMENTS.—Section 31 of the Mineral Leasing Act (30 U.S.C. 188) is amended—

(A) in subsection (d)(1), in the first sentence, by striking ''or section 17(c) of this Act'';

(B) in subsection (e)—

(i) in paragraph (2)—

(I) by striking ''either''; and

(II) by striking ''or the inclusion'' and all that follows through '', all''; and

(ii) in paragraph (3)—

(I) in subparagraph (A), by adding ''and'' after the semicolon;

(II) by striking subparagraph (B); and

(III) by striking ''(3)(A) payment'' and inserting the following:

''(3) payment'';

(C) in subsection (g)—

(i) in paragraph (1), by striking ''as a competitive'' and all that follows through ''of this Act'' and inserting ''in the same manner as the original lease issued pursuant to section 17'';

(ii) by striking paragraph (2);

(iii) by redesignating paragraphs (3) and (4) as paragraphs (2) and (3), respectively; and

(iv) in paragraph (2) (as so redesignated), by striking ''applicable to leases issued under subsection 17(c) of this Act (30 U.S.C. 226(c)) except,'' and inserting ''except'';

(D) in subsection (h), by striking ''subsections (d) and (f) of this section'' and inserting ''subsection (d)'';

(E) in subsection (i), by striking ''(i)(1) In acting'' and all that follows through ''of this section'' in paragraph (2) and inserting the following:

''(i) ROYALTY REDUCTION IN REINSTATED LEASES.—In acting on a petition for reinstatement pursuant to subsection (d)'';

(F) by striking subsection (f); and

(G) by redesignating subsections (g) through (j) as subsections (f) through (i), respectively.

SEC. 50263. ROYALTIES ON ALL EXTRACTED METHANE.

(a) IN GENERAL.—For all leases issued after the date of enactment of this Act, except as provided in subsection (b), royalties paid for gas produced from Federal land and on the outer Continental Shelf shall be assessed on all gas produced, including all gas that is consumed or lost by venting, flaring, or negligent releases through any equipment during upstream operations.

(b) EXCEPTION.—Subsection (a) shall not apply with respect to—

(1) gas vented or flared for not longer than 48 hours in an emergency situation that poses a danger to human health, safety, or the environment;

(2) gas used or consumed within the area of the lease, unit, or communitized area for the benefit of the lease, unit, or communitized area; or

(3) gas that is unavoidably lost.

SA 5282. Mr. TILLIS submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

At the end of title I, add the following:

Subtitle __—Safeguarding Patient Access to Cutting-edge Therapies by Protecting Small Businesses From Onerous Permanent Mandates and Catastrophic Penalties Under the New Federal Program

SEC. 1__001. SAFEGUARDING PATIENT ACCESS TO CUTTING-EDGE THERAPIES BY PROTECTING SMALL BUSINESSES FROM ONEROUS PERMANENT MANDATES AND CATASTROPHIC PENALTIES UNDER THE NEW FEDERAL PROGRAM.

Sec. 1192(d) of the Social Security Act, as added by section 11001, is amended—

(1) in paragraph (2)(A), in the matter preceding clause (i), by striking '', with respect to the initial price applicability years 2026, 2027, and 2028,''; and

(2) in paragraph (3)(A)(ii), by striking ''for initial price applicability years 2026, 2027, and 2028,''.

SEC. 1__002. REDUCTION OF ADDITIONAL IRS FUNDING FOR ENFORCEMENT.

Section 10301(a)(1)(A)(i)(II) of this Act is amended by striking ''$45,637,400,000'' and inserting ''$40,637,400,000''.

SA 5283. Mr. TILLIS submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

At the end of part 1 of subtitle B of title I, add the following:

SEC. 11005. ENSURING ACCESS FOR MEDICARE BENEFICIARIES TO GENETICALLY TARGETED TECHNOLOGIES.

Sec. 1192(e)(3) of the Social Security Act, as added by section 11001, is amended by adding at the end the following new subparagraph:

''(D) GENETICALLY TARGETED TECHNOLOGIES.—A drug product using a genetically targeted technology including cell, gene, siRNA, and radio ligand therapies.''.

SA 5284. Mr. TILLIS submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

At the end of section 11004, insert the following:

SEC. 11005. EQUALIZING THE NEGOTIATION PERIOD BETWEEN SMALL-MOLECULE AND BIOLOGIC CANDIDATES UNDER THE DRUG PRICE NEGOTIATION PROGRAM.

Part E of title XI of the Social Security Act, as added by section 11001, is amended—

(1) in section 1192(e)(1)(A)(ii), by striking ''7 years'' and inserting ''11 years''; and

(2) in section 1194(g)(1)(A), by striking ''9 years'' and inserting ''13 years''.

SA 5285. Mr. CRUZ submitted an amendment intended to be proposed to amendment SA 5194 proposed by Mr. SCHUMER to the bill H.R. 5376, to provide for reconciliation pursuant to title II of S. Con. Res. 14; which was ordered to lie on the table; as follows:

Beginning on page 689, strike line 8 and all that follows through page 714, line 7, and insert the following:

SEC. 60106. FUNDING TO ADDRESS AIR POLLUTION AT SCHOOLS.

(a) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the Administrator of the Environmental Protection Agency for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $37,500,000, to remain available until September 30, 2031, for grants and other activities to monitor and reduce greenhouse gas emissions and other air pollutants at schools in low-income and disadvantaged communities under subsections (a) through (c) of section 103 of the Clean Air Act (42 U.S.C. 7403(a)–(c)) and section 105 of that Act (42 U.S.C. 7405).

(b) TECHNICAL ASSISTANCE.—In addition to amounts otherwise available, there is appropriated to the Administrator of the Environmental Protection Agency for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $12,500,000, to remain available until September 30, 2031, for providing technical assistance to schools in low-income and disadvantaged communities under subsections (a) through (c) of section 103 of the Clean Air Act (42 U.S.C. 7403(a)–(c)) and section 105 of that Act (42 U.S.C. 7405)—

(1) to address environmental issues;

(2) to develop school environmental quality plans that include standards for school building, design, construction, and renovation; and

(3) to identify and mitigate ongoing air pollution hazards.

(c) DEFINITION OF GREENHOUSE GAS.—In this section, the term ''greenhouse gas'' means the air pollutants carbon dioxide, hydrofluorocarbons, methane, nitrous oxide, perfluorocarbons, and sulfur hexafluoride.

SEC. 60107. FUNDING FOR SECTION 211(O) OF THE CLEAN AIR ACT.

(a) TEST AND PROTOCOL DEVELOPMENT.—In addition to amounts otherwise available, there is appropriated to the Administrator of the Environmental Protection Agency for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, $5,000,000, to remain available until September 30, 2031, to carry out section 211(o) of the Clean Air Act (42 U.S.C. 7545(o)) with respect to—