..... (Original Signature of Member)

116TH CONGRESS 2D Session



To amend the Internal Revenue Code of 1986 to provide for energy opportunity zones.

IN THE HOUSE OF REPRESENTATIVES

Mr. CARBAJAL introduced the following bill; which was referred to the Committee on _____

A BILL

To amend the Internal Revenue Code of 1986 to provide for energy opportunity zones.

1 Be it enacted by the Senate and House of Representa-

2 tives of the United States of America in Congress assembled,

3 SECTION 1. SHORT TITLE.

4 This Act may be cited as the "Energy Opportunity

5 Zones Act of 2020".

6 SEC. 2. OPPORTUNITY ZONES.

7 (a) IN GENERAL.—Chapter 1 of the Internal Rev8 enue Code of 1986 is amended by inserting before sub9 chapter Z the following new subchapter:

1 "Subchapter Y—Energy Opportunity Zones

"Sec. 1400Y–1. Energy opportunity zones.

2 "SEC. 1400Y-1. ENERGY OPPORTUNITY ZONES.

3 "(a) PRODUCTION TAX CREDIT.—In the case of a
4 qualified energy opportunity zone facility, section 45 shall
5 be administered as if—

6 "(1) subsection (b)(5) did not apply,

7 "(2) '2050' were substituted for '2021' in sub8 section (d)(1), and

9 "(3) '2050' were substituted for '2021' each
10 place such date appears in paragraphs (2)(A),
11 (3)(A)(i), (4)(B), (6), (7), (9), and (11)(B) of sub12 section (d).

13 "(b) INVESTMENT TAX CREDIT.—In the case of
14 qualified energy opportunity zone property, section 48
15 shall be administered as if—

16 "(1) '2050' were substituted for '2022' in para17 graphs (2)(A)(i)(II), (3)(A)(ii), and (3)(A)(vii) of
18 subsection (a),

19 "(2) '2050' were substituted for '2021' in sub20 section (a)(5)(C)(ii),

21 "(3) paragraphs (5)(E), (6), and (7) of sub22 section (a) did not apply,

23 "(4) paragraphs (1)(D) and (2)(D) of sub24 section (c) did not apply,

1	((5) (2050) were substituted for (2022) in sub-
2	section $(c)(3)(A)(iv)$, and
3	"(6) subsection $(c)(4)(C)$ did not apply.
4	"(c) Definitions.—For purposes of this section—
5	"(1) Qualified energy opportunity zone
6	FACILITY.—The term 'qualified energy opportunity
7	zone facility' means any facility which is located
8	within an energy opportunity zone and the construc-
9	tion of which was subject to a project labor agree-
10	ment.
11	"(2) Qualified energy opportunity zone
12	PROPERTY.—The term 'qualified energy opportunity
13	zone property' means any property if—
14	"(A) such property is located within an en-
15	ergy opportunity zone,
16	"(B) the construction of such property was
17	subject to a project labor agreement, and
18	"(C) all laborers and mechanics employed
19	by any contractor or subcontractor in the con-
20	struction of such property were paid wages at
21	rates not less than those prevailing on similar
22	construction in the locality as determined by
23	the Secretary of Labor under subchapter IV of
24	chapter 31 of title 40, United States Code

1	(commonly referred to as the "Davis-Bacon
2	Act'').
3	"(3) Energy opportunity zone defined.—
4	The term 'energy opportunity zone' means—
5	"(A) any area which is within 120 miles
6	of—
7	"(i) a nuclear power plant, or a facil-
8	ity which utilizes coal to generate elec-
9	tricity, which (after the date which is 10
10	years before the date of the enactment of
11	this section) ceases operation, or
12	"(ii) a nuclear power plant which is
13	scheduled to cease operation not later than
14	6 years after the date of the enactment of
15	this section, and
16	"(B) any other area that can reasonably
17	demonstrate how changes in the nuclear or coal
18	economy have resulted (or are anticipated to re-
19	sult) in job losses in such area.
20	"(4) PROJECT LABOR AGREEMENT.—The term
21	'project labor agreement' means a pre-hire collective
22	bargaining agreement with one or more labor organi-
23	zations that establishes the terms and conditions of
24	employment for a specific construction project and
25	which is an agreement described in section 8(f) of

the National Labor Relations Act (26 U.S.C.
 158(f)).".

3 (b) CLERICAL AMENDMENT.—The table of sub4 chapters for chapter 1 of such Code is amended by insert5 ing before the item relating to subchapter Z the following
6 new item:

"SUBCHAPTER Y—ENERGY OPPORTUNITY ZONES".

7 (c) Effective Date.—

8 (1) IN GENERAL.—Except as provided in para-9 graph (2), the amendments made by this section 10 shall apply to property placed in service after the 11 date of the enactment of this Act.

12 (2) Application of progress expenditure 13 RULES.—So much of the amendments made by this 14 section as relate to section 48 of the Internal Rev-15 enue Code of 1986 shall apply to periods after the 16 date of the enactment of this Act under rules similar 17 to the rules of section 48(m) of the Internal Revenue 18 Code of 1986 (as in effect on the day before the 19 date of the enactment of the Revenue Reconciliation 20 Act of 1990).

21 SEC. 3. ENERGY CREDIT FOR QUALIFIED OFFSHORE WIND

22

FACILITIES AND ENERGY STORAGE.

23 (a) IN GENERAL.—Section 48 of the Internal Rev24 enue Code of 1986 is amended—

(1) in subsection (a)—

1	(A) in paragraph (2)(A)(i)—
2	(i) in subclause (II), by striking
3	"paragraph (3)(A)(i)" and inserting
4	"clause (i) or (ix) of paragraph (3)(A)",
5	and
6	(ii) by striking "and" at the end of
7	subclause (III), and
8	(iii) by adding at the end the fol-
9	lowing new subclause:
10	"(V) qualified offshore wind
11	property, and", and
12	(B) in paragraph (3)(A)—
13	(i) in clause (vi), by striking "or" at
14	the end,
15	(ii) by adding at the end the following
16	new clause:
17	"(viii) qualified offshore wind prop-
18	erty, but only with respect to property the
19	construction of which begins before Janu-
20	ary 1, 2050, or
21	"(ix) any equipment if—
22	"(I) such equipment receives,
23	stores, and delivers energy using bat-
24	teries, compressed air, pumped hydro-
25	power, hydrogen storage (including

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1	hydrolysis), thermal energy storage,
2	regenerative fuel cells, flywheels, ca-
3	pacitors, superconducting magnets, or
4	other technologies identified by the
5	Secretary in consultation with the
6	Secretary of Energy,
7	"(II) such equipment has a ca-
8	pacity of not less than 5 megawatt
9	hours,
10	"(III) such equipment is located
11	in an energy opportunity zone (as de-
12	fined in section 1400Y-1),
13	"(IV) the construction of such
14	equipment was subject to a project
15	labor agreement (as defined in section
16	1400Y-1), and
17	"(V) all laborers and mechanics
18	employed by any contractor or sub-
19	contractor in the construction of such
20	equipment were paid wages at rates
21	not less than those prevailing on simi-
22	lar construction in the locality as de-
23	termined by the Secretary of Labor
24	under subchapter IV of chapter 31 of
25	title 40, United States Code (com-

1	monly referred to as the "Davis-
2	Bacon Act").", and
3	(2) in subsection (c), by adding at the end the
4	following new paragraph:
5	"(5) Qualified offshore wind property.—
6	"(A) IN GENERAL.—The term 'qualified
7	offshore wind property' means an offshore facil-
8	ity, other than qualified small wind energy
9	property, if—
10	"(i) such facility uses wind to produce
11	electricity,
12	"(ii) such facility is located not far-
13	ther than 50 miles from the boundary of
14	an energy opportunity zone (as defined in
15	section 1400Y–1),
16	"(iii) the construction of such facility
17	was subject to a project labor agreement
18	(as defined in section 1400Y-1), and
19	"(iv) all laborers and mechanics em-
20	ployed by any contractor or subcontractor
21	in the construction of such facility were
22	paid wages at rates not less than those
23	prevailing on similar construction in the lo-
24	cality as determined by the Secretary of
25	Labor under subchapter IV of chapter 31

1	of title 40, United States Code (commonly
2	referred to as the "Davis-Bacon Act").
3	"(B) OFFSHORE FACILITY.—The term
4	'offshore facility' means any facility located in
5	the inland navigable waters of the United
6	States, including the Great Lakes, or in the
7	coastal waters of the United States, including
8	the territorial seas of the United States, the ex-
9	clusive economic zone of the United States, and
10	the outer Continental Shelf of the United
11	States.".
12	(b) EFFECTIVE DATE.—The amendments made by
13	this section shall apply to periods after the date of the
14	enactment of this Act under rules similar to the rules of
15	section 48(m) of the Internal Revenue Code of 1986 (as
16	in effect on the day before the date of the enactment of
17	the Revenue Reconciliation Act of 1990).
18	SEC. 4. IMPROVEMENTS TO CREDIT FOR NONBUSINESS EN-
19	ERGY PROPERTY.
20	(a) EXTENSION OF CREDIT.—
21	(1) IN GENERAL.—Section $25C(g)(2)$ of the In-
22	ternal Revenue Code of 1986 is amended by striking
23	"December 31, 2020" and inserting "December 31,
24	2050".

1	(2) EFFECTIVE DATE.—The amendments made
2	by this subsection shall apply to property placed in
3	service after December 31, 2020.
4	(b) Other Improvements.—
5	(1) IN GENERAL.—Section 25C of the Internal
6	Revenue Code of 1986 is amended—
7	(A) in subsection $(a)(1)$, by striking "10
8	percent" and inserting "15 percent",
9	(B) in subsection (b)—
10	(i) in paragraph (1)—
11	(I) by striking "\$500" and in-
12	serting ''\$1,200'', and
13	(II) by striking "December 31,
14	2005" and inserting "December 31,
15	2019", and
16	(ii) by striking paragraphs (2) and (3)
17	and inserting the following:
18	"(2) Limitation on insulation material or
19	SYSTEM.—In the case of amounts paid or incurred
20	for components described in subsection $(c)(3)(A)$ by
21	any taxpayer for any taxable year, the credit allowed
22	under this section with respect to such amounts for
23	such year shall not exceed the excess (if any) of
24	\$600 over the aggregate credits allowed under this

1	section with respect to such amounts for all prior
2	taxable years ending after December 31, 2019.
3	"(3) Limitation on windows.—
4	"(A) IN GENERAL.—
5	"(i) Energy star most effi-
6	CIENT.—In the case of amounts paid or in-
7	curred by any taxpayer for any taxable
8	year for components described in sub-
9	section $(c)(3)(B)$ which meet the most effi-
10	cient certification under applicable Energy
11	Star program requirements, the credit al-
12	lowed under this section with respect to
13	such amounts for such year shall not ex-
14	ceed the excess (if any) of \$600 over the
15	aggregate credits allowed under this sec-
16	tion with respect to such amounts for all
17	prior taxable years ending after December
18	31, 2019.
19	"(ii) Energy star.—In the case of
20	amounts paid or incurred by any taxpayer
21	for any taxable year for components de-
22	scribed in subsection $(c)(3)(B)$ which do
23	not meet the most efficient certification
24	under applicable Energy Star program re-
25	quirements, the credit allowed under this

1	section with respect to such amounts for
2	such year shall not exceed the excess (if
3	any) of \$200 over the aggregate credits al-
4	lowed under this section with respect to
5	such amounts for all prior taxable years
6	ending after December 31, 2019.
7	"(B) ELECTION.—
8	"(i) IN GENERAL.—For purposes of
9	any amounts paid or incurred by any tax-
10	payer for components described in sub-
11	section (c)(3)(B), the credit allowed under
12	this section shall only be allowed for com-
13	ponents described in clause (i) of subpara-
14	graph (A) or clause (ii) of such subpara-
15	graph, but not both, as elected by the tax-
16	payer during the first taxable year in
17	which such credit is being claimed by the
18	taxpayer.
19	"(ii) IRREVOCABILITY.—The Sec-
20	retary shall, through such rules, regula-
21	tions, and procedures as are determined
22	appropriate, establish procedures for mak-
23	ing an election under this subparagraph,
24	which shall require that—

	15
1	((I) any election made by the
2	taxpayer shall be irrevocable, and
3	((II) such election shall remain
4	in effect for all subsequent taxable
5	years.
6	"(4) LIMITATION ON DOORS.—In the case of
7	amounts paid or incurred for components described
8	in subsection $(c)(3)(C)$ by any taxpayer for any tax-
9	able year, the credit allowed under this section with
10	respect to such amounts for such year shall not ex-
11	ceed—
12	"(A) the excess (if any) of \$500 over the
13	aggregate credits allowed under this section
14	with respect to such amounts for all prior tax-
15	able years ending after December 31, 2019, or
16	"(B) \$250 for each exterior door.
17	"(5) LIMITATION ON RESIDENTIAL ENERGY
18	PROPERTY EXPENDITURES.—The amount of the
19	credit allowed under this section by reason of sub-
20	section $(a)(2)$ shall not exceed—
21	"(A) in the case of any energy-efficient
22	building property—
23	"(i) for any item of property described
24	in subparagraph (A), (B), or (C) of sub-
25	section $(d)(3)$, \$600, and

1	"(ii) for any item of property de-
2	scribed in subparagraph (D) or (E) of such
3	subsection, \$400, and
4	"(B) in the case of any qualified natural
5	gas, propane, or oil furnace or hot water boiler
6	(as defined in subsection $(d)(4)$), an amount
7	equal to—
8	"(i) \$600 for a hot water boiler, and
9	"(ii) in the case of a furnace, an
10	amount equal to the sum of—
11	''(I) \$300, plus
12	"(II) if the taxpayer is converting
13	from a non-condensing furnace to a
14	condensing furnace, \$300.",
15	(C) in subsection (c)—
16	(i) in paragraph (2)—
17	(I) by striking subparagraphs (A)
18	and (B) and inserting the following:
19	"(A) applicable Energy Star program re-
20	quirements, in the case of an exterior window,
21	a skylight, or an exterior door, and",
22	(II) by redesignating subpara-
23	graph (C) as subparagraph (B), and
24	(III) in subparagraph (B), as so
25	redesignated, by striking "2009 Inter-

national" and all that follows through
"Act of 2009" and inserting "2015
IECC (as defined in section
45L(b)(5))",
(ii) in paragraph (3)—
(I) in subparagraph (B), by add-
ing "and" at the end,
(II) in subparagraph (C), by
striking ", and" and inserting a pe-
riod, and
(III) by striking subparagraph
(D), and
(iii) by adding at the end the fol-
lowing new paragraph:
"(5) LABOR COSTS.—The term 'qualified en-
ergy efficiency improvements' includes expenditures
for labor costs properly allocable to the onsite prepa-
ration, assembly, or original installation of any en-
ergy efficient building envelope component.",
(D) in subsection (d)—
(i) in paragraph (2)(A)—
(I) in clause (i), by adding "or"
at the end,
(II) in clause (ii), by striking ",
or" and inserting a period, and

1	(III) by striking clause (iii),
2	(ii) in paragraph (3)—
3	(I) by striking subparagraph (A)
4	and inserting the following:
5	"(A) an electric heat pump water heater
6	which, in the standard Department of Energy
7	test procedure, yields a uniform energy factor
8	of at least 3.0,",
9	(II) in subparagraph (B), by
10	striking "January 1, 2009" and in-
11	serting "the date of enactment of the
12	Home Energy Savings Act",
13	(III) in subparagraph (C), by
14	striking "January 1, 2009" and in-
15	serting "the date of enactment of the
16	Home Energy Savings Act",
17	(IV) by striking subparagraph
18	(D) and inserting the following:
19	"(D) a natural gas, propane, or oil water
20	heater which, in the standard Department of
21	Energy test procedure, yields—
22	"(i) in the case of a storage tank
23	water heater—

	11
1	"(I) in the case of a medium-
2	draw water heater, a uniform energy
3	factor of not less than 0.78, and
4	"(II) in the case of a high-draw
5	water heater, a uniform energy factor
6	of not less than 0.80, and
7	"(ii) in the case of a tankless water
8	heater—
9	"(I) in the case of a medium-
10	draw water heater, a uniform energy
11	factor of not less than 0.87, and
12	"(II) in the case of a high-draw
13	water heater, a uniform energy factor
14	of not less than 0.90, and", and
15	(V) in subparagraph (E), by
16	striking "of at least 75 percent" and
17	inserting the following: "(as deter-
18	mined pursuant to the applicable list
19	published by the Environmental Pro-
20	tection Agency for certified wood
21	stoves, hydronic heaters, or forced-air
22	furnaces) of at least—
23	"(i) in the case of any stove placed in
24	service before January 1, 2021, 73 per-
25	cent, and

1	"(ii) in the case of any stove placed in
2	service after December 31, 2020, 75 per-
3	cent.",
4	(iii) in paragraph (4), by striking "not
5	less than 95" and inserting the following:
6	"not less than—
7	"(A) in the case of a furnace, 97 percent,
8	and
9	"(B) in the case of a hot water boiler, 95
10	percent.",
11	(iv) by striking paragraph (5), and
12	(v) by redesignating paragraph (6) as
13	paragraph (5) , and
14	(E) in subsection (e), by adding the fol-
15	lowing new paragraphs at the end:
16	"(4) INSTALLATION STANDARDS.—The terms
17	'energy efficient building envelope component' and
18	'qualified energy property' shall not include any
19	components or property which are not installed ac-
20	cording to any applicable Air Conditioning Contrac-
21	tors of America Quality Installation standards which
22	are in effect at the time that such components or
23	property are placed in service.
24	"(5) Replacement of terminated stand-
25	ARDS.—In the case of any standard, requirement, or

1 criteria applicable to any energy efficient building 2 envelope component or qualified energy property which is terminated after the date of enactment of 3 4 the Home Energy Savings Act, the Secretary, in 5 consultation with the Secretary of Energy, shall 6 identify a similar standard, requirement, or criteria 7 for purposes of determining the eligibility of any 8 such component or property for purposes of credit allowed under this section.". 9

10 (2) EFFECTIVE DATE.—The amendments made
11 by this subsection shall apply to property placed in
12 service after December 31, 2019.

13 (c) PERIODIC REPORT TO CONGRESS REGARDING IM-PROVED STANDARDS.—Not later than 5 years after the 14 15 date of the enactment of this Act (and each 5 years thereafter until the termination of the credit determined under 16 17 section 25C of the Internal Revenue Code of 1986), the Secretary of Energy, after consultation with the Secretary 18 19 of Treasury, shall submit a written report to Congress 20 evaluating the effectiveness of such credit. Such report 21 shall include—

(1) an evaluation of each standard used under
such section in determining the eligibility of property
for credit under such section including whether rel-

1	evant higher industry standards have been devel-
2	oped, and
3	(2) recommendations (if any) for higher stand-
4	ards which would supplement or replace such cur-
5	rent standards and an analysis of how such higher
6	standards would be expected to improve the effec-
7	tiveness of such credit.
8	SEC. 5. IMPROVEMENTS TO NEW ENERGY EFFICIENT HOME
9	CREDIT.
10	(a) EXTENSION OF CREDIT.—
11	(1) IN GENERAL.—Section 45L(g) of the Inter-
12	nal Revenue Code of 1986 is amended by striking
13	"December 31, 2020" and inserting "December 31,
14	2050".
15	(2) Effective date.—The amendments made
16	by this subsection shall apply to qualified new en-
17	ergy efficient homes acquired after December 31,
18	2020.
19	(b) Updating New Energy Efficient Home
20	Credit.—
21	(1) IN GENERAL.—Section 45L of the Internal
22	Revenue Code of 1986 is amended—
23	(A) in subsection $(a)(2)$ —
24	(i) in subparagraph (A), by striking
25	"\$2,000" and inserting "\$2,500"; and

1	(ii) in subparagraph (B), by inserting
2	"or (4)" after "paragraph (3)";
3	(B) in subsection (b)—
4	(i) in paragraph (2)(B), by striking
5	"this section" and inserting "the New
6	Home Energy Efficiency Act"; and
7	(ii) by adding at the end the fol-
8	lowing:
9	"(5) 2018 IECC.—
10	"(A) IN GENERAL.—The term '2018
11	IECC' means the 2018 International Energy
12	Conservation Code, as such Code (including
13	supplements) is in effect on the date of the en-
14	actment of the New Home Energy Efficiency
15	Act.
16	"(B) Special rule.—For purposes of
17	subsection $(c)(1)(B)(i)(I)$, in determining
18	whether a dwelling unit has been constructed in
19	accordance with the standards of chapter 4 of
20	the 2018 IECC by achieving a level of energy
21	efficiency which meets Section R406.4
22	(N1106.4) of such Code, such determination
23	shall be made without accounting for on-site en-
24	ergy generation."; and

1	(C) by striking subsection (c) and inserting
2	the following:
3	"(c) Energy Saving Requirements.—A dwelling
4	unit meets the energy saving requirements of this sub-
5	section if such unit—
6	"(1)(A) is certified—
7	"(i) to have a level of annual heating and
8	cooling energy consumption which is at least 60
9	percent below the annual level of heating and
10	cooling energy consumption of a comparable
11	dwelling unit—
12	"(I) which is constructed in accord-
13	ance with the standards of chapter 4 of the
14	2006 International Energy Conservation
15	Code, as such Code (including supple-
16	ments) is in effect on January 1, 2006,
17	and
18	"(II) for which the heating and cool-
19	ing equipment efficiencies correspond to
20	the minimum allowed under the regula-
21	tions established by the Department of En-
22	ergy pursuant to the National Appliance
23	Energy Conservation Act of 1987 and in
24	effect at the time of completion of con-
25	struction, and

1	"(ii) to have building envelope component
2	improvements account for at least $\frac{1}{5}$ of such
3	60 percent, or
4	"(B) is certified—
5	"(i) to have a level of annual energy con-
6	sumption which is at least 15 percent below the
7	annual level of energy consumption of a com-
8	parable dwelling unit—
9	"(I) which is constructed in accord-
10	ance with the standards of chapter 4 of the
11	2018 IECC, and
12	"(II) which meets the requirements
13	described in subparagraph (A)(i)(II), and
14	"(ii) to have building envelope component
15	improvements account for at least $\frac{1}{5}$ of such
16	15 percent,
17	"(2) is a manufactured home which—
18	"(A) conforms to Federal Manufactured
19	Home Construction and Safety Standards (part
20	3280 of title 24, Code of Federal Regulations),
21	and
22	"(B) meets the requirements described in
23	subparagraph (A) or (B) of paragraph (1),
24	"(3) meets the requirements established by the
25	Administrator of the Environmental Protection

1	Agency under the Energy Star Labeled Homes pro-
2	gram, or
3	"(4) is a manufactured home which—
4	"(A) conforms to the standards described
5	in paragraph $(2)(A)$, and
6	"(B) meets the requirements described in
7	paragraph (3).".
8	(2) EFFECTIVE DATE.—The amendments made
9	by this subsection shall apply to qualified new en-
10	ergy efficient homes acquired after December 31,
11	2020.
12	(c) Periodic Report to Congress Regarding Im-
13	PROVED STANDARDS.—Not later than 5 years after the
14	date of the enactment of this Act (and each 5 years there-
15	after until the termination of the credit determined under
16	section 45L of the Internal Revenue Code of 1986), the
17	Secretary of Energy, after consultation with the Secretary
18	of Treasury, shall submit a written report to Congress
19	evaluating the effectiveness of such credit. Such report
20	shall include—
21	(1) an evaluation of each standard used under
22	such section in determining the eligibility of property
23	for credit under such section including whether rel-
24	evant higher industry standards have been devel-
25	oped, and

(2) recommendations (if any) for higher stand ards which would supplement or replace such cur rent standards and an analysis of how such higher
 standards would be expected to improve the effec tiveness of such credit.

6 SEC. 6. EXTENSION ENERGY EFFICIENT COMMERCIAL 7 BUILDINGS DEDUCTION.

8 (a) IN GENERAL.—Section 179D(h) of the Internal
9 Revenue Code of 1986 is amended by striking "December
10 31, 2020" and inserting "December 31, 2050".

(b) EFFECTIVE DATE.—The amendment made bythis section shall apply to property placed in service afterDecember 31, 2020.