A BILL FOR AN ACT

Section 196-6.5, Hawaii Revised Statutes, is

RELATING TO RENEWABLE ENERGY.

SECTION 1.

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attests that:

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

	·
2	amended to read as follows:
3	"§196-6.5 Solar water heater system required for new
4	single-family residential construction. (a) On or after
5	January 1, 2010, no building permit shall be issued for a new
6	single-family dwelling that does not include a solar water
7	heater system that meets the standards established pursuant to
8	section 269-44, unless the coordinator approves a variance. A
9	variance application shall only be accepted if submitted by an

(1) Installation is impracticable due to poor solar resource;

architect or mechanical engineer licensed under chapter 464, who

14 (2) Installation is cost-prohibitive based upon a life
15 cycle cost-benefit analysis that incorporates the
16 average residential utility bill and the cost of the

1	new	solar	water	heater	system	with	a	life	cycle	that
2	does	not e	exceed	fifteen	years	;				

- (3) A renewable energy technology system[, as defined in section 235-12.5,] is substituted for use as the primary energy source for heating water; or
- (4) A demand water heater device [approved by Underwriters

 Laboratories, Inc.,] is installed; provided that at

 least one other gas appliance is installed in the

 dwelling[-] and the life cycle cost for the device is

 less than a solar water heater system based on the

 analysis in paragraph (a)(2). For the purposes of

 this paragraph, "demand water heater" means a gas
 tankless instantaneous water heater that provides hot

 water only as it is needed.
- (b) A request for a variance shall be submitted to the coordinator on an application prescribed by the coordinator and shall include a description of the location of the property and justification for the approval of a variance using the criteria established in subsection (a). A variance shall be deemed approved if not denied within thirty working days after receipt of the variance application. The coordinator shall publicize:

1	(1)	All applications for a variance within seven days
2		after receipt of the variance application; and
3	(2)	The disposition of all applications for a variance
4		within seven days of the determination of the variance
5		application.
6	(c)	The director of business, economic development, and
7	tourism m	ay adopt rules pursuant to chapter 91 to impose and
8	collect f	ees to cover the costs of administering variances under
9	this sect	ion. The fees, if any, shall be deposited into the
10	energy se	curity special fund established under section 201-12.8.
11	(d)	Nothing in this section shall preclude any county from
12	establish	ing procedures and standards required to implement this
13	section.	
14	(e)	Nothing in this section shall preclude participation
15	in any ut	ility demand-side management program or public benefits
16	fee progr	am under part VII of chapter 269.
17	<u>(f)</u>	As used in this section, "renewable energy technology
18	system" m	eans a new system that captures and converts a
19	renewable	source of energy, such as solar or wind energy, into:
20	(1)	A usable source of thermal or mechanical energy;
21	(2)	Electricity; or

1	<u>(3)</u> <u>Fuel.</u> "
2	SECTION 2. Section 235-12.5, Hawaii Revised Statutes, is
3	amended to read as follows:
4	"§235-12.5 [Renewable energy technologies;] Solar energy,
5	energy storage, wind energy system; income tax credit. (a)
6	When the requirements of subsection $[-(d)]$ (c) are met, each
7	individual or corporate taxpayer that files an individual or
8	corporate net income tax return for a taxable year may claim a
9	tax credit under this section against the Hawaii state
10	individual or corporate net income tax. [The tax credit may be
11	claimed for every eligible renewable energy technology system
12	that is installed and placed in service in the State by a
13	taxpayer during the taxable year.] The tax credit may be
14	claimed as follows:
15	(1) For each solar energy system[+] that is used
16	exclusively to heat water and is installed and first
17	placed in service in the State by a taxpayer during
18	the taxable year or is approved in the taxable year
19	and is placed in the following taxable year: thirty-
20	five per cent of the [actual cost or the cap amount
21	determined in subsection (b), whichever is less; or]

1		basis up to the applicable cap amount, which is
2		determined as follows:
3		(A) per solar energy system for single-
4		family residential property;
5		(B) per unit per solar energy system for
6		multi-family residential property; and
7		(C) per solar energy system for commercial
8		property;
9	(2)	For each solar energy system that is used primarily to
10		generate electricity and is installed and first placed
11		in service in the State by a taxpayer during the
12		taxable year or is approved in the taxable year and is
13		placed in the following taxable year:
14		(A) Twenty-five per cent of the basis for solar
15		energy systems first placed in service after
16		December 31, 2018, and before January 1, 2026, up
17		to the applicable cap amount, which is determined
18		as follows:
19		(i) per solar energy system for
20		single-family residential property; provided
21		that if all or a portion of the solar energy

1		system is used to fulfill the substitute
2		renewable energy technology requirement
3		pursuant to section 196-6.5(a)(3), the
4		credit shall be reduced by twenty-five per
5		cent of the basis or , whichever is
6		<pre>less;</pre>
7	<u>(ii)</u>	per unit per solar energy system
8		for multi-family residential property; and
9	<u>(iii)</u>	per solar energy system for
10		commercial property;
11	prov	ided that a solar energy system that has an
12	execu	ited customer service contract dated prior to
13	June	30, 2018, and is installed and first placed
14	in se	ervice before December 31, 2019, shall
15	rece	ive thirty-five per cent of the basis for the
16	sola	r energy system, up to the applicable cap
17	amou	nt as described in this subparagraph;
18	(B) Twent	ty per cent of the basis for solar energy
19	syste	ems first placed in service after
20	Decer	mber 31, 2025, and before January 1, 2027, up

1	to the applicable cap amount, which is determined
2	as follows:
3	(i) per solar energy system for single-
4	family residential property; provided that
5	if all or a portion of the solar energy
6	system is used to fulfill the substitute
7	renewable energy technology requirement
8	pursuant to section 196-6.5(a)(3), the
9	credit shall be reduced by twenty per cent
10	of the basis or , whichever is less;
11	(ii) per unit per solar energy system
12	for multi-family residential property; and
13	(iii) per solar energy system for
14	commercial property; and
15	(C) Fifteen per cent of the basis for solar energy
16	systems first placed in service after
17	December 31, 2026, up to the applicable cap
18	amount, which is determined as follows:
19	(i) per solar energy system for single-
20	family residential property; provided that
21	if all or a portion of the solar energy

1			system is used to fulfill the substitute
2			renewable energy technology requirement
3			pursuant to section 196-6.5(a)(3), the
4			credit shall be reduced by fifteen per cent
5			of the basis or , whichever is less;
6		<u>(ii)</u>	per unit per solar energy system
7			for multi-family residential property; and
8		<u>(iii)</u>	per solar energy system for
9			commercial property;
10	<u>(3)</u>	For each s	solar energy system that is used primarily to
11		generate e	electricity and is installed and first placed
12		in service	e in the State by a taxpayer during the
13		taxable ye	ear or is approved in the taxable year and is
14		placed in	the following taxable year; provided that
15		the solar	energy system is grid-connected and
16		incorporat	tes an energy storage system:
17		(A) Twent	y-five per cent of the basis for solar
18		energ	gy systems first placed in service after
19		Decen	mber 31, 2018, and before January 1, 2026, up
20		to th	ne applicable cap amount, which is determined
21		as fo	ollows:

1	<u>(i)</u>	per solar energy system for single-
2		family residential property; provided that
3		if all or a portion of the solar energy
4		system is used to fulfill the substitute
5		renewable energy technology requirement
6		pursuant to section 196-6.5(a)(3), the
7		credit shall be reduced by twenty-five per
8		cent of the basis or , whichever is
9		less;
10	<u>(ii)</u>	per unit per solar energy system
11		for multi-family residential property; and
12	<u>(iii)</u>	per solar energy system for
13		commercial property;
14	prov	ided that a solar energy system that has an
15	exec	uted customer service contract dated prior to
16	June	30, 2018, and is installed and first placed
17	in s	ervice before December 31, 2019, shall
18	rece	ive thirty-five per cent of the basis for the
19	sola	r energy system, up to the applicable cap
20	amou	nt as described in this subparagraph;

<u>(B)</u>	Twent	ty per cent of the basis for solar energy
	syste	ems first placed in service after
	Decer	mber 31, 2025, and before January 1, 2027, up
	to th	ne applicable cap amount, which is determined
	as fo	ollows:
	<u>(i)</u>	per solar energy system for single-
		family residential property; provided that
		if all or a portion of the solar energy
		system is used to fulfill the substitute
		renewable energy technology requirement
		pursuant to section 196-6.5(a)(3), the
		credit shall be reduced by twenty per cent
		of the basis or , whichever is less;
	(ii)	per unit per solar energy system
		for multi-family residential property; and
_(iii)	per solar energy system for
		commercial property; and
<u>(C)</u>	Fift	een per cent of the basis for solar energy
	syst	ems first placed in service after
	Dece	mber 31, 2026, up to the applicable cap
	amou	nt, which is determined as follows:
		Decer to the system (ii) (iii) (C) Fifte system Decer

1		<u>(i)</u>	per solar energy system for single-
2			family residential property; provided that
3			if all or a portion of the solar energy
4			system is used to fulfill the substitute
5			renewable energy technology requirement
6			pursuant to section 196-6.5(a)(3), the
7			credit shall be reduced by fifteen per cent
8			of the basis or , whichever is less;
9		<u>(ii)</u>	per unit per solar energy system
10			for multi-family residential property; and
11		<u>(iii)</u>	per solar energy system for
12			<pre>commercial property;</pre>
13	(4)	For each	energy storage system that is installed and
14		first plac	ced in service in the State by a taxpayer
15		during the	e taxable year or is approved in the taxable
16		year and	is placed in the following taxable year, if
17		the cost	of the energy storage system is not also
18		included	in the basis of a solar or wind energy system
19		under para	agraphs (2), (3), or (6):
20		(A) Twen	ty-five per cent of the basis for energy
21		stor	age systems first placed in service after

1	December 31, 2018, and before January 1, 2026, up
2	to the applicable cap amount, which is determined
3	as follows:
4	(i) per energy storage system for
5	single-family residential property;
6	(ii) per unit per energy storage system
7	for multi-family residential property; and
8	(iii) per energy storage system for
9	commercial property;
10	provided that an energy storage system that has
11	an executed customer service contract dated prior
12	to June 30, 2018, and is installed and first
13	placed in service before December 31, 2019, shall
14	receive thirty-five per cent of the basis for the
15	energy storage system, up to the applicable cap
16	amount as described in this subparagraph;
17	(B) Twenty per cent of the basis for energy storage
18	systems first placed in service after
19	December 31, 2025, and before January 1, 2027, up
20	to the applicable cap amount, which is determined
21	as follows:

1		<u>(i)</u>	per energy storage system for
2			single-family residential property;
3		<u>(ii)</u>	per unit per energy storage system
4			for multi-family residential property; and
5		<u>(iii)</u>	per energy storage system for
6			commercial property; and
7		(C) Fift	een per cent of the basis for energy storage
8		syst	ems first placed in service after
9		Dece	mber 31, 2026, up to the applicable cap
10		amou	nt, which is determined as follows:
11		<u>(i)</u>	per energy storage system for
12			single-family residential property;
13		<u>(ii)</u>	per unit per energy storage system
14			for multi-family residential property; and
15		(iii)	per energy storage system for
16			commercial property;
17	(5)	For each	combined energy storage and solar energy
18		system th	at is installed and first placed in service
19		in the St	ate by a taxpayer during the taxable year or
20		is approv	ed in the taxable year and is placed in the
21		following	taxable year, the applicable credit

1		avai	lable for an energy storage system under paragraph
2		(4)	plus one-half of the applicable credit for a solar
3		ener	gy system under paragraph (2) or (3); and
4	[(2)]	(6)	For each [wind-powered] wind energy system[+],
5		twen	ty per cent of the [actual cost or the cap amount
6		dete	rmined in subsection (b), whichever is less;
7		basi	s, up to the applicable cap amount, which is
8		dete	rmined as follows:
9		(A)	per wind energy system for single-family
10			residential property; provided that if all or a
11			portion of the system is used to fulfill the
12			substitute renewable energy technology
13			requirement pursuant to section 196-6.5(a)(3),
14			the credit shall be reduced by twenty per cent of
15			the basis or , whichever is less;
16		(B)	per unit per wind energy system for
17			multi-family residential property; and
18		<u>(C)</u>	per wind energy system for commercial
19			property.
20	[provided	that	multiple Multiple owners of a single system
21	shall be	entit	led to a single tax credit[+] and [provided

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further that] the tax credit shall be apportioned between the 1 owners in proportion to their contribution to the cost of the 2 3 system. 4 In the case of a partnership, S corporation, estate, or 5 trust, the tax credit allowable is for every eligible [renewable 6 energy technology] solar energy, energy storage, or wind energy 7 system that is installed and placed in service in the State by 8 the entity. The cost upon which the tax credit is computed 9 shall be determined at the entity level. Distribution and share 10 of credit shall be determined pursuant to section [235-11 110.7(a).] 704(b) of the Internal Revenue Code. 12 (b) The amount of credit allowed for each eligible 13 renewable energy technology system shall not exceed the 14 applicable cap amount, which is determined as follows: 15 (1) If the primary purpose of the solar energy system is **16** to use energy from the sun to heat water for household **17** use, then the cap amounts shall be: 18 (A) \$2,250 per system for single family residential 19 property; 20 (B) \$350 per unit per system for multi-family 21 residential property; and

1		(C)	\$250,000 per system for commercial property;
2	(2)	For	all other solar energy systems, the cap amounts
3		shal	l be:
4		(A)	\$5,000 per system for single-family residential
5			property; provided that if all or a portion of
6			the system is used to fulfill the substitute
7			renewable energy technology requirement pursuant
8			to section 196-6.5(a)(3), the credit shall be
9			reduced by thirty-five per cent of the actual
10			system cost or \$2,250, whichever is less;
11		(B)	\$350 per unit per system for multi-family
12			residential property; and
13		(C)	\$500,000 per system for commercial property; and
14	(3)	For	all wind-powered energy systems, the cap amounts
15		sha l	l be:
16		-(A)-	\$1,500 per system for single-family residential
17			property; provided that if all or a portion of
18			the system is used to fulfill the substitute
19			renewable energy technology requirement pursuant
20			to section 196-6.5(a)(3), the credit shall be

1	reduced by twenty per cent of the actual system
2	cost or \$1,500, whichever is less;
3	(B) \$200 per unit per system for multi-family
4	residential property; and
5	(C) \$500,000 per system for commercial property.
6	(c) (b) For the purposes of this section:
7	["Actual cost" means costs related to the renewable energy
8	technology systems under subsection (a), including accessories
9	and installation, but not including the cost of consumer
10	incentive premiums unrelated to the operation of the system or
11	offered with the sale of the system and costs for which another
12	credit is claimed under this chapter.
13	"Household use" means any use to which heated water is
14	commonly put in a residential setting, including commercial
15	application of those uses.
16	"Renewable energy technology system" means a new system
17	that captures and converts a renewable source of energy, such as
18	solar or wind energy, into:
19	(1) A usable source of thermal or mechanical energy;
20	(2) Electricity; or
21	/2\ Euol_1

1	"Basis" means costs related to the solar energy, wind
2	energy, or energy storage system under subsection (a), including
3	accessories, energy storage, and installation, but does not
4	include the cost of consumer incentive premiums unrelated to the
5	operation of the energy system or offered with the sale of the
6	energy system and costs for which another credit is claimed
7	under this chapter. Any cost incurred and paid for the repair,
8	construction, or reconstruction of a structure in conjunction
9	with the installation and placing in service of a solar or wind
10	energy system, such as the reroofing of single-family
11	residential property, multi-family residential property, or
12	commercial property, shall not constitute a part of the basis for
13	the purpose of this section; provided that costs incurred for the
14	physical support of the solar or wind energy system, such as
15	racking and mounting equipment and costs incurred to seal or
16	otherwise return a roof to its pre-installation condition shall
17	constitute part of the basis for the purposes of this section.
18	The basis used under this section shall be consistent with
19	the use of the term "basis" in section 25D or section 48 of the
20	Internal Revenue Code.

1	"Energy storage system" means any identifiable facility,
2	equipment, apparatus, or the like, including a battery, grid-
3	interactive water heater, or ice storage air conditioner, that
4	is permanently fixed to a site and electrically connected to a
5	site distribution panel by means of installed wiring, and that
6	receives electricity generated from various sources, stores that
7	electricity as electrical, chemical, thermal, or mechanical
8	energy, and delivers the energy back to an electric utility or
9	the user of the electric system at a later time.
10	"First placed in service" has the same meaning as in title
11	26 Code of Federal Regulations section 1.167(a)-11(e)(1).
12	"Grid-connected" means that the individual or corporate
13	taxpayer has obtained an approved interconnection agreement from
14	an electric utility for the solar energy system or whose
15	facility does not have an existing tie to the electric grid.
16	"Solar or wind energy system" means any identifiable
17	facility, equipment, apparatus, or the like that converts solar
18	or wind energy to useful thermal or electrical energy for
19	heating, cooling, or reducing the use of other types of energy
20	that are dependent upon fossil fuel for their generation $[-]$;
21	provided that:

1	(1) The construction, reconstruction, or erection of the
2	solar or wind energy system is completed by the
3	taxpayer; or
4	(2) The solar or wind energy system is acquired by the
5	taxpayer if the original use of the solar or wind
6	energy system commences with the taxpayer.
7	[(d)] <u>(c)</u> For taxable years beginning after December 31,
8	2005, the dollar amount of any utility rebate shall be deducted
9	from the [cost] basis of the qualifying system and its
10	installation before applying the state tax credit.
11	$[\frac{(e)}{(e)}]$ The director of taxation shall prepare any forms
12	that may be necessary to claim a tax credit under this section,
13	including forms identifying the technology type of each tax
14	credit claimed under this section[, whether for solar or wind].
15	The director may also require the taxpayer to furnish reasonable
16	information to ascertain the validity of the claim for credit
17	made under this section and may adopt rules necessary to
18	effectuate the purposes of this section pursuant to chapter 91.
19	$\left[\frac{\{f\}}{\{g\}}\right]$ (e) If the tax credit under this section exceeds the
20	taxpayer's income tax liability, the excess of the credit over
21	liability may be used as a credit against the taxpayer's income

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tax liability in subsequent years until exhausted, unless 1 2 otherwise elected by the taxpayer pursuant to subsection (f) or (g) [or (h)]. All claims for the tax credit under this section, 3 4 including amended claims, shall be filed on or before the end of 5 the twelfth month following the close of the taxable year for 6 which the credit may be claimed. Failure to comply with this 7 subsection shall constitute a waiver of the right to claim the 8 credit. 9 [(g)] (f) For solar energy, energy storage, or wind energy 10 systems, a taxpayer may elect to reduce the eligible credit 11 amount by thirty per cent and if this reduced amount exceeds the 12 amount of income tax payment due from the taxpayer, the excess 13 of the credit amount over payments due shall be refunded to the 14 taxpayer; provided that tax credit amounts properly claimed by a 15 taxpayer who has no income tax liability shall be paid to the **16** taxpayer; and provided further that no refund on account of the **17** tax credit allowed by this section shall be made for amounts 18 less than \$1. 19 The election required by this subsection shall be made in a 20 manner prescribed by the director on the taxpayer's return for 21 the taxable year in which the solar energy, energy storage, or

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- 1 wind energy system is installed and first placed in service. A
- 2 separate election may be made for each separate solar energy,
- 3 energy storage, or wind energy system that generates a credit.
- 4 An election once made is irrevocable.
- 5 $\left[\frac{h}{g}\right]$ (g) Notwithstanding subsection $\left[\frac{g}{g}\right]$ (f), for any
- 6 [renewable energy technology] solar energy, energy storage, or
- 7 wind energy system, an individual taxpayer may elect to have any
- 8 excess of the credit over payments due refunded to the
- 9 taxpayer[7] without discount, if:
- 10 (1) All of the taxpayer's income is exempt from taxation
- 11 under section 235-7(a)(2) or (3); or
- 12 (2) The taxpayer's adjusted gross income is \$20,000 or
- less (or \$40,000 or less if filing a tax return as
- married filing jointly);
- 15 provided that tax credits properly claimed by a taxpayer who has
- 16 no income tax liability shall be paid to the taxpayer; and
- 17 provided further that no refund on account of the tax credit
- 18 allowed by this section shall be made for amounts less than \$1.
- 19 A [husband and wife] married couple who do not file a joint
- 20 tax return shall only be entitled to make this election to the

- 1 extent that they would have been entitled to make the election
- 2 had they filed a joint tax return.
- 3 The election required by this subsection shall be made in a
- 4 manner prescribed by the director on the taxpayer's return for
- 5 the taxable year in which the solar energy, energy storage, or
- 6 wind energy system is installed and first placed in service. A
- 7 separate election may be made for each separate solar energy,
- 8 energy storage, or wind energy system that generates a credit.
- 9 An election once made is irrevocable.
- 10 $\left[\frac{(i)}{(i)}\right]$ (h) No taxpayer shall be allowed a credit under this
- 11 section for the portion of the renewable energy technology
- 12 system required by section 196-6.5 that is installed and first
- 13 placed in service on any newly constructed single-family
- 14 residential property authorized by a building permit issued on
- 15 or after January 1, 2010.
- 16 (i) The tax credit under this section shall be construed
- 17 in accordance with Treasury Regulations and judicial
- 18 interpretations of similar provisions in sections 25D, 45, and
- 19 48 of the Internal Revenue Code.
- 20 (j) A planned community association, condominium
- 21 association of owners, or cooperative housing corporation may

1	claim the tax credit under this section in its own name for
2	systems or facilities placed in service and located on common
3	areas.
4	(k) No credit under this section shall be authorized for
5	taxable years ending after December 31, 2036.
6	$\left[\frac{(j)}{(j)}\right]$ To the extent feasible, using existing resources
7	to assist the energy-efficiency policy review and evaluation,
8	the department shall assist with data collection on the
9	following for each taxable year:
10	(1) The number of [renewable energy technology] solar
11	energy, energy storage, or wind energy systems that
12	have qualified for a tax credit during the calendar
13	year by:
14	(A) Technology type; and
15	(B) Taxpayer type (corporate and individual); and
16	(2) The total cost of the tax credit to the State during
17	the taxable year by:
18	(A) Technology type; and
19	(B) Taxpayer type.

- 1 [(k) This section shall apply to eligible renewable energy
- 2 technology systems that are installed and placed in service on
- 3 or after July 1, 2009.]"
- 4 SECTION 3. If any provision of this Act, or the
- 5 application thereof to any person or circumstance, is held
- 6 invalid, the invalidity does not affect other provisions or
- 7 applications of the Act that can be given effect without the
- 8 invalid provision or application, and to this end the provisions
- 9 of this Act are severable.
- 10 SECTION 4. This Act does not affect rights and duties that
- 11 matured, penalties that were incurred, and proceedings that were
- 12 begun before its effective date.
- 13 SECTION 5. Statutory material to be repealed is bracketed
- 14 and stricken. New statutory material is underscored.
- 15 SECTION 6. This Act shall take effect on July 1, 2050;
- 16 provided that section 2 shall apply to taxable years beginning
- 17 after December 31, 2018.

Report Title:

Renewable Energy; Solar and Wind Energy System; Energy Storage System; Tax Credit

Description:

Replaces the current renewable energy technology systems tax credit with tax credits for solar or wind energy systems and energy storage systems. Applies to taxable years beginning after 12/31/2018. (SB2100 HD2)

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.