#### A BILL FOR AN ACT

RELATING TO ENERGY.

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

1	SECTION 1. The legislature finds that assessing a tax on
2	producers and importers of fossil fuels has been successful in
3	countries throughout the world in reducing the consumption of
4	fossil fuels. The effect of the tax has been to reduce the
5	emissions of greenhouse gases, leading to a more sustainable
6	environment and reducing local air pollution. Dozens of eminent
7	economists have endorsed a carbon tax and dividend policy. An
8	April 2021 study by the University of Hawaii Economic Research
9	Organization (UHERO), "Carbon Pricing Assessment for Hawaii:
10	Economic and Greenhouse Gas Impacts" explains how this carbon
11	tax and dividend policy would affect Hawaii and shows that it
12	would substantially reduce the consumption of fossil fuels,
13	while financially benefiting most Hawaii households. Low-income
14	households would experience the greatest financial benefit.
15	The legislature further finds that more than forty
16	countries have adopted a carbon tax, with more considering it.
17	The World Bank asserts that "carbon pricing is the most

- 1 effective way to reduce emissions, and all jurisdictions must go
- 2 further and faster in using carbon pricing policies as part of
- 3 their climate policy packages." The level of pricing is key,
- 4 and according to the World Bank, fossil fuels must be priced
- 5 between \$50 and \$100 per ton of carbon dioxide emissions in the
- 6 next few years to put the world on the path to achieving the
- 7 goals of the Paris Agreement. The Group of 20, which includes
- 8 the United States, the European Union, China, India, and Russia,
- 9 representing ninety per cent of the world's economy, encourages
- 10 the appropriate use of carbon pricing when used among a wide set
- 11 of tools to control climate change.
- 12 Over three thousand five hundred economists, twenty-eight
- 13 Nobel Laureate economists, four former chairs of the Federal
- 14 Reserve, and fifteen former chairs of the Council of Economic
- 15 Advisors have signed a statement endorsing carbon pricing. The
- 16 statement reads, in part, "[a] carbon tax offers the most cost-
- 17 effective lever to reduce carbon emissions at the scale and
- 18 speed that is necessary." The statement goes on to say that the
- 19 carbon tax should be increased until emission reduction goals
- 20 are met and that "[t]o maximize the fairness and political
- 21 viability of a rising carbon tax, all the revenue should be

- 1 returned directly to U.S. citizens through equal lump-sum
- 2 rebates. The majority of American families, including the most
- 3 vulnerable, will benefit financially by receiving more in
- 4 'carbon dividends' than they pay in increased energy prices."
- 5 Basic economics explains how carbon pricing would reduce
- 6 the consumption of fossil fuels. However, some people have
- 7 questioned the financial impacts of carbon pricing on Hawaii's
- 8 families, particularly those in the lowest income bracket. This
- 9 concern has been addressed in the UHERO study; however, the
- 10 study was issued too late to affect the carbon pricing bills
- 11 considered during the regular session of 2021.
- 12 The UHERO study examines two levels of carbon taxes a low
- 13 tax scenario and a high tax scenario. The study also examines
- 14 two uses of the tax revenue, one with all of the tax revenue
- 15 used to finance government programs, and the other with most of
- 16 the tax revenue distributed to Hawaii's households. The study
- 17 concludes that the consumption of fossil fuels would be
- 18 substantially reduced in both tax scenarios and that
- 19 distributing most of the tax revenue to Hawaii's households in
- 20 the low tax scenario would create a net financial benefit to
- 21 most of Hawaii's households, with the largest net financial



- 1 benefit to low-income households. The study finds that the
- 2 dividend makes the carbon tax and dividend model progressive
- 3 rather than regressive. This model addresses the concerns of
- 4 those who had questioned the effect of a carbon tax on low-
- 5 income families. Under this model, in the low tax scenario,
- 6 low-income households would benefit financially, on average,
- 7 because their dividend would be larger than their increased
- 8 spending resulting from the carbon tax.
- 9 This Act incorporates many of the elements of the low tax
- 10 scenario of the UHERO study and distributes most of the tax
- 11 revenue to Hawaii's households in the form of a refundable tax
- 12 credit within the range that the World Bank has determined would
- 13 achieve the goals of the Paris Agreement. In Hawaii, a carbon
- 14 tax would very likely have the effect of raising the sales
- 15 prices of fossil fuels. Such an increase would move fossil fuel
- 16 prices closer to their true unsubsidized prices. The fossil
- 17 fuel industry receives subsidies from the federal government
- 18 that include both direct subsidies to corporations, as well as
- 19 indirect subsidies to the fossil fuel industry. Fossil fuel
- 20 prices do not include the social cost of degradation of the
- 21 environment that results from the burning of fossil fuels and

- 1 the resulting damage to human health and welfare. A recent
- 2 report by the International Monetary Fund estimates total United
- 3 States fossil fuel subsidies and social costs to be
- 4 \$649,000,000,000 a year.
- 5 Interest in a carbon tax is growing in the United States at
- 6 all levels of government because it is effective and can be used
- 7 with other efforts to control carbon emissions. Recently, the
- 8 United States Secretary of the Treasury signed a commitment to
- 9 the Group of 7 to meet net zero goals and environmental
- 10 objectives by making "the optimal use of the range of policy
- 11 levers to price carbon" and emphasized its positive effect on
- 12 jobs, growth, competitiveness, and fairness.
- 13 The purpose of this Act is to establish the carbon cashback
- 14 program, which would impose a carbon tax on fossil fuels, then
- 15 return an equivalent amount of the money generated by the carbon
- 16 tax less administrative costs to Hawaii residents in the form of
- 17 a refundable tax credit or cash payment, which they would be
- 18 able to spend as they wish.
- 19 SECTION 2. Chapter 235, Hawaii Revised Statutes, is
- 20 amended by adding a new section to be appropriately designated
- 21 and to read as follows:



1	" <u>§235-</u> <u>Tax</u>	credit to mitigate the effect of a carbon
2	emissions tax on ta	xpayers. (a) There shall be allowed to each
3	qualified taxpayer	subject to the tax imposed under this
4	chapter, a refundab	le income tax credit that shall be deductible
5	from the taxpayer's	net income tax liability, if any, imposed by
6	this chapter for th	e taxable year in which the credit is
7	properly claimed.	
8	(b) The amoun	t of the tax credit shall be equal to the sum
9	of the following:	
10	(1) For taxpa	yers filing as single or married filing
11	separatel	<u>y:</u>
12	<u>(A)</u> <u>(i)</u>	\$65 for the taxable year beginning on
13		January 1, 2023;
14	<u>(ii)</u>	\$210 for the taxable year beginning on
15		January 1, 2024;
16	<u>(iii)</u>	\$360 for the taxable year beginning on
17		January 1, 2025;
18	(iv)	\$380 for the taxable year beginning on
19		January 1, 2026;
20	<u>(v)</u>	\$420 for the taxable year beginning on
21		January 1, 2027;

1		<u>(vi)</u>	\$440 for the taxable year beginning on
2			January 1, 2028, and for every taxable year
3			thereafter through December 31, 2031;
4		(vii)	\$450 for the taxable year beginning on
5			January 1, 2032;
6		(viii)	\$460 for the taxable year beginning on
7			January 1, 2033;
8		<u>(ix)</u>	\$470 for the taxable year beginning on
9			January 1, 2034; and
10		<u>(x)</u>	\$480 for the taxable year beginning on
11			January 1, 2035, and for every taxable year
12			thereafter; and
13		(B) \$	per qualifying child;
14	(2)	For taxpa	yers filing as a head of household:
15		(A) (i)	\$130 for the taxable year beginning on
16			January 1, 2023;
17		<u>(ii)</u>	\$420 for the taxable year beginning on
18			January 1, 2024;
19		<u>(iii)</u>	\$720 for the taxable year beginning on

1		<u>(iv)</u>	\$760 for the taxable year beginning on
2			January 1, 2026;
3		<u>(v)</u>	\$850 for the taxable year beginning on
4			January 1, 2027;
5		(vi)	\$880 for the taxable year beginning on
6			January 1, 2028, and for every taxable year
7			thereafter through December 31, 2031;
8		(vii)	\$900 for the taxable year beginning on
9			January 1, 2032;
10		(viii)	\$920 for the taxable year beginning on
11			January 1, 2033;
12		<u>(ix)</u>	\$940 for the taxable year beginning on
13			January 1, 2034; and
14		<u>(x)</u>	\$960 for the taxable year beginning on
15			January 1, 2035, and for every taxable year
16			thereafter; and
17		(B) \$	per qualifying child; and
18	(3)	For taxpa	yers filing a joint return or as a surviving
19		spouse:	
20		(A) (i)	\$30 for the taxable year beginning on
21			January 1, 2023;

1	<u>(ii)</u>	\$100 for the taxable year beginning on
2		January 1, 2024;
3	<u>(iii)</u>	\$180 for the taxable year beginning on
4		January 1, 2025;
5	<u>(iv)</u>	\$190 for the taxable year beginning on
6		January 1, 2026;
7	<u>(v)</u>	\$201 for the taxable year beginning on
8		January 1, 2027;
9	<u>(vi)</u>	\$220 for the taxable year beginning on
10		January 1, 2028, and for every taxable year
11		thereafter through December 31, 2032;
12	(vii)	\$230 for the taxable year beginning on
13		January 1, 2033;
14	(viii)	\$230 for the taxable year beginning on
15		January 1, 2034; and
16	(ix)	\$240 for the taxable year beginning on
17		January 1, 2035, and for every taxable year
18		thereafter; and
19	<u>(B)</u> \$	per qualifying child.
20	(c) If the ta	x credit claimed by the taxpayer under this
21	section exceeds the	amount of the income tax payments due from

1	the takpa	yer, the excess of credit over payments due shall be
2	refunded	to the taxpayer; provided that the tax credit properly
3	claimed b	y a taxpayer who has no income tax liability shall be
4	paid to t	he taxpayer; provided further that no refunds or
5	payments	on account of the tax credit allowed by this section
6	shall be	made for amounts less than \$1.
7	All	claims for the tax credit under this section, including
8	amended c	laims, shall be filed on or before the end of the
9	twelfth m	onth following the close of the taxable year for which
10	the credi	t may be claimed. Failure to comply with the foregoing
11	provision	shall constitute a waiver of the right to claim the
12	credit.	
13	<u>(d)</u>	The director of taxation:
14	(1)	Shall prepare any forms that may be necessary to claim
15		a tax credit under this section;
16	(2)	May require the taxpayer to furnish reasonable
17		information to ascertain the validity of the claim for
18		the tax credit made under this section; and
19	(3)	May adopt rules under chapter 91 necessary to
20		effectuate the purposes of this section.

1 (e) All of the provisions relating to assessments and 2 refunds under this chapter and under section 231-23(c)(1) shall 3 apply to the tax credit under this section. 4 (f) As used in this section: 5 "Qualified taxpayer" means a resident taxpayer who files an 6 individual income tax return, whether as a single taxpayer, a 7 head of household, a married individual filing a separate 8 return, a married couple filing a joint return, or a surviving 9 spouse. 10 "Qualifying child" means a minor who: 11 (1) Resides with the taxpayer; and 12 Is claimed as a dependent by the taxpayer." 13 SECTION 3. Section 128D-2, Hawaii Revised Statutes, is 14 amended by amending subsection (a) to read as follows: 15 There is created within the state treasury an 16 environmental response revolving fund, which shall consist of 17 moneys appropriated to the fund by the legislature, moneys paid 18 to the fund as a result of departmental compliance proceedings, 19 moneys paid to the fund pursuant to court-ordered awards or 20 judgments, moneys paid to the fund in court-approved or out-of-21 court settlements, all interest attributable to investment of

- 1 money deposited in the fund, moneys deposited in the fund from
- 2 the environmental response, energy, carbon emissions, and food
- 3 security tax pursuant to section 243-3.5, and moneys allotted to
- 4 the fund from other sources."
- 5 SECTION 4. Section 201-12.8, Hawaii Revised Statutes, is
- 6 amended by amending subsection (a) to read as follows:
- 7 "(a) There is created within the state treasury an energy
- 8 security special fund, which shall consist of:
- 9 (1) The portion of the environmental response, energy,
- 10 carbon emissions, and food security tax specified
- 11 under section 243-3.5;
- 12 (2) Moneys appropriated to the fund by the legislature;
- 13 (3) All interest attributable to investment of money
- deposited in the fund; and
- 15 (4) Moneys allotted to the fund from other sources,
- including under section 196-6.5."
- 17 SECTION 5. Section 243-3.5, Hawaii Revised Statutes, is
- 18 amended to read as follows:
- 19 "§243-3.5 Environmental response, energy, carbon
- 20 emissions, and food security tax; uses. (a) In addition to any
- 21 other taxes provided by law, subject to the exemptions set forth



- 1 in section 243-7, there is hereby imposed a state environmental
- 2 response, energy, carbon emissions, and food security tax on
- 3 each barrel or fractional part of a barrel of petroleum product
- 4 sold by a distributor to any retail dealer or end user of
- 5 petroleum product, other than a refiner. The tax [shall be
- 6 \$1.05] on each barrel or fractional part of a barrel of
- 7 petroleum product [that is not aviation fuel; provided that of
- 8 the tax] shall be in the amounts provided in the following
- 9 tables:

10	Product	2023	2024	2025	2026
11	Butane	\$4.26	\$10.86	\$17.73	\$18.40
12	Propane	\$3.80	\$9.46	\$15.35	\$15.93
13	Gasoline	\$5.27	\$13.96	\$23.00	\$23.89
14	Diesel	\$5.95	\$16.06	\$26.57	\$27.60
15	Kerosene	\$5.93	\$15.97	\$26.42	\$27.44
16	Aviation gas	\$3.99	\$12.22	\$20.77	\$21.61
17	Jet fuel	\$4.68	\$14.33	\$24.37	\$25.35
18	No. 6 fuel oil	\$6.46	\$17.62	\$29.22	\$30.35
19	Liquefied				
20	petroleum gas	\$3.78	\$9.41	\$15.26	\$15.83
21	Other	\$5.99	\$16.18	\$26.76	\$27.80



1					
2	Product	2027	2028	2029	2030
3	Butane	\$19.09	\$19.81	\$20.55	\$21.30
4	Propane	\$16.52	\$17.14	\$17.77	\$18.42
5	Gasoline	\$24.80	\$25.74	\$26.71	\$27.71
6	Diesel	\$28.66	\$29.75	\$30.88	\$32.04
7	<u>Kerosene</u>	\$28.50	\$29.58	\$30.70	\$31.86
8	Aviation gas	\$22.48	\$23.37	\$24.28	\$25.23
9	Jet fuel	\$26.37	\$27.41	\$28.49	\$29.60
10	No. 6 fuel oil	\$31.53	\$32.73	\$33.98	\$35.26
11	Liquefied				
12	petroleum gas	\$16.42	\$17.03	\$17.66	\$18.31
13	Other	\$28.87	\$29.98	\$31.11	\$32.28
14					
15	Product	2031	2032	2033	2034
16	<u>Butane</u>	\$22.08	\$22.89	\$23.72	\$24.57
17	Propane	\$19.09	\$19.78	\$20.49	\$21.22
18	Gasoline	\$28.74	\$29.80	\$30.88	\$32.01
19	Diesel	\$33.23	\$34.46	\$35.73	\$37.03
20	Kerosene	\$33.04	\$34.27	\$35.53	\$36.82
21	Aviation gas	\$26.20	\$27.20	\$28.23	\$29.29



1	<u>Jet fuel</u>	\$30.74	\$31.91	\$33.12	\$34.37
2	No. 6 fuel oil	\$36.57	\$37.93	\$39.33	\$40.77
3	Liquefied				
4	petroleum gas	\$18.97	\$19.66	\$20.36	\$21.09
5	Other	\$33.48	\$34.72	\$36.00	\$37.31
6	Product	2035 and	each year	thereafter	
7	Butane	\$25.44			
8	Propane;	\$21.97			
9	Gasoline	\$33.16			
10	Diesel	\$38.37			
11	Kerosene	\$38.15			
12	Aviation gas	\$30.39			
13	Jet fuel	\$35.65			
14	No. 6 fuel oil	\$42.25			
15	Liquefied				
16	petroleum gas	\$21.84			
17	Other	\$38.66.			
18	The tax amount for each	ch year re	ferenced a	bove shall	take effect
19	on January 1 of that y	year and c	ontinue to	be applica	able until
20	the effective date of	the next	tax amount	<u>.</u>	

1	<u>The</u>	tax imposed by this subsection shall be paid by the
2	distribut	or of the petroleum product.
3	(b)	Tax revenues collected pursuant to [this]
4	subsectio	n[÷] (a) shall be distributed in the following
5	priority,	with the excess revenues to be deposited into the
6	general f	und:
7	(1)	[5 cents of the tax on each barrel] \$1,291,000 shall
8		be deposited into the environmental response revolving
9		fund established under section 128D-2;
10	(2)	[4 cents of the tax on each barrel] \$3,872,000 shall
11		be deposited into the energy security special fund
12		established under section 201-12.8;
13	(3)	[8 cents of the tax on each barrel] \$2,582,000 shall
14		be deposited into the energy systems development
15		special fund established under section 304A-2169.1;
16		[ <del>and</del>
17	<del>[</del> ](4)[-	]] [3 cents of the tax on each barrel] \$
18		shall be deposited into the electric vehicle charging
19		system subaccount established pursuant to section 269-
20		33(0)[-].

```
1
         (5) All taxes paid on gasoline or other aviation fuel sold
2
              for use in or used for airplanes shall be deposited in
3
              the airport revenue fund created by section 248-8; and
4
         (6) All taxes paid on gasoline, diesel, or other fuel sold
5
              for use in or used for small boats shall be deposited
6
              in the boating special fund created by section 248-8.
7
         [The tax imposed by this subsection shall be paid by the
8
    distributor of the petroleum product.
9
         (b) ] (c) In addition to subsection (a), the environmental
10
    response, energy, carbon emissions, and food security tax shall
11
    also be imposed on each one million British thermal units of
12
    fossil fuel sold by a distributor to any retail dealer or end
13
    user, other than a refiner, of fossil fuel. The tax [shall be
14
    19 cents] on each one million British thermal units of fossil
15
    fuel[; provided that of the tax] is set forth in the following
16
    tables:
17
         Fuel
                           2023
                                     2024
                                               2025
                                                         2026
18
         Coal (all
19
         forms)
                           $1.29
                                     $3.55
                                               $5.90
                                                         $6.13
20
         Natural gas
21
         (including
```



1	liquefied				
2	natural gas)	\$0.80	\$2.04	\$3.34	\$3.47
3					
4	<u>Fuel</u>	2027	2028	2029	2030
5	Coal (all				
6	forms)	\$6.37	\$6.61	\$6.87	\$7.13
7	Natural gas				
8	(including				
9	liquefied				
10	natural gas)	\$3.60	\$3.73	\$3.87	\$4.02
11					
12	<u>Fuel</u>	2031	2032	2033	2034
13	Coal (all				
14	forms)	\$7.39	<u>\$7.67</u>	<u>\$7.95</u>	\$8.24
15	Natural gas				
16	(including				
17	liquefied				
18	natural gas)	\$4.16	\$4.31	\$4.47	\$4.63
19					
20	Fuel	2035 and	each year	thereafter	
21	Coal (all				



1	<u>forms)</u> \$8.54
2	Natural gas
3	(including
4	liquefied
5	natural gas) \$4.80
6	
7	The tax amount for each year referenced above shall take effect
8	on January 1 of that year and continue to be applicable until
9	the effective date of the next tax amount.
10	The tax imposed by this subsection shall be paid by the
11	distributor of the fossil fuel.
12	(d) Tax revenues collected pursuant to [this]
13	subsection[÷] (c) shall be distributed in the following priority
14	each fiscal year, with the excess revenues to be deposited into
15	the general fund:
16	(1) [4.8 per cent of the tax on each one million British
17	thermal units] \$49,000 shall be deposited into the
18	environmental response revolving fund established
19	under section 128D-2;
20	(2) [ <del>14.3 per cent of the tax on each one million British</del>
21	thermal units   \$147,000 shall be deposited into the

1		energy security special fund established under
2		section 201-12.8; and
3	(3)	[9.5 per cent of the tax on each one million British
4		thermal units] \$98,000 shall be deposited into the
5		energy systems development special fund established
6		under section 304A-2169.1.
7	[ <del>The</del>	tax imposed by this subsection shall be paid by the
8	distribut	or of the fossil fuel.
9	<del>(c)</del> ]	(e) The tax imposed under subsection [(b)] (c) shall
10	not apply	to coal used to fulfill [a signed] an existing power
11	purchase a	agreement between an independent power producer and an
12	electric	utility that is in effect as of June 30, $2015[-]$ ;
13	provided	that this exemption from taxation shall not apply to
14	any exten	sion of an existing power purchase agreement or to any
15	subsequen	t power purchase agreement. An independent power
16	producer	shall be permitted to pass the tax imposed under
17	subsectio	n [ <del>(b)</del> ] <u>(c)</u> on to an electric utility. In [ <del>which</del> ] <u>any</u>
18	case[] <u>i</u>	n which the tax is passed on, the electric utility may
19	recover t	he cost of the tax through an appropriate surcharge to
20	the end u	ser that is approved by the public utilities
21	commissio	n.

1 [<del>(d)</del>] (f) A gas utility shall be allowed to recover the cost of the tax imposed under subsection [\(\frac{(b)}{}\)] (c) as part of 2 3 its fuel cost in its fuel adjustment charge without further 4 approval by the public utilities commission. 5 [<del>(e)</del>] (g) Each distributor subject to the tax imposed by 6 subsection (a) or  $[\frac{(b)_{r}}{}]$  (c), on or before the last day of each 7 calendar month, shall file, in the form and manner prescribed by 8 the department, a return statement of the tax under this section 9 for which the distributor is liable for the preceding month. 10 The form and payment of the tax shall be transmitted to the 11 department in the form and manner prescribed by the department.  $[\frac{f}{f}]$  (h) Notwithstanding section 248-8 to the contrary, 12 13 the environmental response, energy, carbon emissions, and food security tax collected under this section shall be paid over to 14 15 the director of finance for deposit as provided in subsection 16  $[\frac{a}{a} \text{ or } (b)_{r}]$  (b) or (d), as the case may be. 17  $[\frac{g}{g}]$  (i) Every distributor shall keep in the State and 18 preserve for five years a record in a form as the department of 19 taxation shall prescribe showing the total number of barrels, 20 and the fractional part of barrels, of petroleum product or the 21 total number of one million British thermal units of fossil

- 1 fuel, as the case may be, sold by the distributor during any
- 2 calendar month. The record shall show any other data and
- 3 figures relevant to the enforcement and administration of this
- 4 chapter as the department may require.
- 5 [<del>(h)</del>] (j) For the purposes of this section:
- 6 "Barrel" may be converted to million British thermal units,
- 7 using the United States Department of Energy, Energy Information
- 8 Administration annual energy review or annual energy outlook.
- 9 "Fossil fuel" means a [hydrocarbon deposit,] fuel, such as
- 10 coal, natural gas, or liquefied natural gas, derived from a
- 11 hydrocarbon deposit resulting from the accumulated remains of
- 12 ancient plants or animals [and used for fuel]; provided that the
- 13 term specifically does not include petroleum product."
- 14 SECTION 6. Section 304A-2169.1, Hawaii Revised Statutes,
- 15 is amended by amending subsection (b) to read as follows:
- 16 "(b) Deposits into the special fund may be from the
- 17 following:
- 18 (1) Appropriations from the legislature;
- 19 (2) A portion of the environmental response, energy,
- 20 carbon emissions, and food security tax pursuant to
- 21 section 243-3.5; and



1	(3) Investment earnings, gifts, donations, or other income
2	received by the Hawaii natural energy institute."
3	SECTION 7. Statutory material to be repealed is bracketed
4	and stricken. New statutory material is underscored.
5	SECTION 8. This Act shall take effect upon its approval;
6	provided that section 2 shall apply to taxable years beginning
7	after December 31, 2022.
8	INTRODUCED BY: Juhn Sayma

JAN 2 5 2022

#### Report Title:

Environmental Response, Energy, Carbon Emissions, and Food Security Tax; Carbon Emissions; Income Tax Credit

#### Description:

Establishes a refundable income tax credit to mitigate the effect of a carbon emissions tax on taxpayers. Amends the environmental response, energy, and food security tax to address carbon emissions.

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