

File No. 191188

Committee Item No. \_\_\_\_\_

Board Item No. 55

## COMMITTEE/BOARD OF SUPERVISORS

### AGENDA PACKET CONTENTS LIST

Committee: \_\_\_\_\_

Date: \_\_\_\_\_

Board of Supervisors Meeting

Date: December 10, 2019

#### Cmte Board

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| <input type="checkbox"/> | <input type="checkbox"/>            | Motion                                       |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Resolution                                   |
| <input type="checkbox"/> | <input type="checkbox"/>            | Ordinance                                    |
| <input type="checkbox"/> | <input type="checkbox"/>            | Legislative Digest                           |
| <input type="checkbox"/> | <input type="checkbox"/>            | Budget and Legislative Analyst Report        |
| <input type="checkbox"/> | <input type="checkbox"/>            | Youth Commission Report                      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Introduction Form                            |
| <input type="checkbox"/> | <input type="checkbox"/>            | Department/Agency Cover Letter and/or Report |
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| <input type="checkbox"/> | <input type="checkbox"/>            | Grant Budget                                 |
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#### OTHER

- |                          |                                     |  |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>United States House Resolution No. 763 - January 24, 2019</u> |
| <input type="checkbox"/> | <input type="checkbox"/>            | _____  |
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Prepared by: Brent Jalipa

Date: December 5, 2019

Prepared by: \_\_\_\_\_

Date: \_\_\_\_\_

1 [Supporting United States House Resolution No. 763 (Deutch) - The Energy and Carbon  
2 Dividend Act of 2019]

3 **Resolution supporting United States House Resolution No. 763, authored by United**  
4 **States Representative Theodore E. Deutch, the Energy Innovation and Carbon Dividend**  
5 **Act of 2019, to encourage market-driven innovation of clean energy technologies and**  
6 **market efficiencies which will reduce harmful pollution and leave a healthier, more**  
7 **stable, and more prosperous nation for future generations.**

8  
9 WHEREAS, An Intergovernmental Panel on Climate Change issued a special report on  
10 the impacts of global warming of 1.5°C above pre-industrial levels in October 2018 warning  
11 that global warming is likely to reach 1.5°C between 2030 and 2052 if it continues to increase  
12 at the current rate; and

13 WHEREAS, The United Nations climate science body said in a monumental climate  
14 report that we have only 12 years left to make massive and unprecedented changes to global  
15 energy infrastructure to limit global warming to moderate levels; and

16 WHEREAS, The United States government released its Fourth Annual Climate  
17 Assessment in November 2018 reporting that the impacts of climate change are already being  
18 felt in communities across the country and that more frequent and intense extreme weather  
19 and climate-related events, as well as changes in average climate conditions, are expected to  
20 continue to damage infrastructure, ecosystems, and social systems that provide essential  
21 benefits to communities; and

22 WHEREAS, Conservative estimates by the world's climate scientists state that to  
23 achieve climate stabilization and avoid cataclysmic climate change, emissions of greenhouse  
24 gases (GHGs) must be brought to 80-95% below 1990 levels by 2050; and  
25

1 WHEREAS, Presently the environmental, health, and social costs of carbon emissions  
2 are not included in prices paid for fossil fuels, but rather these externalized costs are borne  
3 directly and indirectly by all Americans and global citizens; and

4 WHEREAS, To begin to correct this market failure, Congress can enact the Energy  
5 Innovation and Carbon Dividend Act to assess a national carbon fee on fossil fuels based on  
6 the amount of CO2 the fuel will emit when burned and allocate the collected proceeds to all  
7 U.S. Households in equal shares in the form of a monthly dividend; and

8 WHEREAS, For efficient administration, the fossil fuels fee can be applied once, as far  
9 upstream in the economy as practical, or at the port of entry into the United States; and

10 WHEREAS, As stated in the Energy Innovation and Carbon Dividend Act of 2019,  
11 House Resolution No. 763 (H.R. 763), a national, revenue-neutral carbon fee starting at a  
12 relatively low rate of \$15 per ton of CO2 equivalent emissions and resulting in equal charges  
13 per ton of CO2 equivalent emissions potential in each type of fuel or greenhouse gas should  
14 be assessed to begin to lower what are now dangerously high CO2 emissions. The yearly  
15 increase in carbon fees including other greenhouse gases, shall be at least \$10 per ton of  
16 CO2 equivalent each year, with the Department of Energy determining whether an increase  
17 larger than \$10 per ton per year is needed to achieve program goals; and

18 WHEREAS, The Energy Innovation and Carbon Dividend Act of 2019, H.R. 763,  
19 specifies that, in order to protect low and middle income citizens from the economic impact of  
20 rising prices due to the carbon fee, equal monthly per-person dividend payments shall be  
21 made to all American households (½ payment per child under 19 years old) each month from  
22 the fossil fuel fees collected. The total value of all monthly dividend payments shall represent  
23 100% of the net carbon fees collected per month; and

24 WHEREAS, The Energy Innovation and Carbon Dividend Act of 2019, H.R. 763,  
25 encourages market-driven innovation of clean energy technologies and market efficiencies

1 which will reduce harmful pollution and leave a healthier, more stable, and more prosperous  
2 nation for future generations; and

3 WHEREAS, Border adjustments - carbon content-based tariffs on products imported  
4 from countries without comparable carbon pricing, and refunds to our exporters of carbon fees  
5 paid - can maintain the competitiveness of U.S. businesses in global markets; and

6 WHEREAS, A national carbon fee can be implemented quickly and efficiently, and will  
7 respond to the urgency of the climate crisis because the federal government already has in  
8 place mechanisms, such as the Internal Revenue Service, needed to implement and enforce  
9 the fee, and already collects fees from fossil fuel producers and importers; and

10 WHEREAS, A national revenue-neutral carbon fee would make the United States a  
11 leader in mitigating climate change and in the clean energy technologies of the 21st century  
12 and would provide incentive to other countries to enact similar carbon fees, reducing global  
13 CO2 emissions without the need for complex international agreements; now, therefore, be it

14 RESOLVED, That the City and County of San Francisco urges the United States  
15 Congress to enact without delay the Energy Innovation and Carbon Dividend Act of 2019,  
16 H.R. 763; and, be it

17 FURTHER RESOLVED, That the Clerk of the Board of Supervisors, no later than 30  
18 days after passage of this Resolution, shall transmit copies of this resolution to the President  
19 and Vice President of the United States, to the Speaker of the House of Representatives, to  
20 the Majority Leader of the Senate, to the U.S. Senators for the State of California, and to  
21 nearby city and county governments, including the Santa Rosa City Council, Sebastopol City  
22 Council, Rohnert Park City Council, Cotati City Council, Healdsburg City Council, San Jose  
23 City Council, City Council of Daly City, and San Rafael City Council, urging that they pass  
24 similar resolutions.  
25

116TH CONGRESS  
1ST SESSION

# H. R. 763

To create a Carbon Dividend Trust Fund for the American people in order to encourage market-driven innovation of clean energy technologies and market efficiencies which will reduce harmful pollution and leave a healthier, more stable, and more prosperous nation for future generations.

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## IN THE HOUSE OF REPRESENTATIVES

JANUARY 24, 2019

Mr. DEUTCH (for himself, Mr. LIPINSKI, Mr. CRIST, Mr. PETERS, Ms. ESHOO, Ms. JUDY CHU of California, and Mr. ROONEY of Florida) introduced the following bill; which was referred to the Committee on Ways and Means, and in addition to the Committees on Energy and Commerce, and Foreign Affairs, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

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## A BILL

To create a Carbon Dividend Trust Fund for the American people in order to encourage market-driven innovation of clean energy technologies and market efficiencies which will reduce harmful pollution and leave a healthier, more stable, and more prosperous nation for future generations.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2       This Act may be cited as the “Energy Innovation and  
3 Carbon Dividend Act of 2019”.

4 **SEC. 2. FINDINGS.**

5       The Congress finds that—

6           (1) efficient markets strengthen our economy  
7 and benefit our Nation by encouraging competition,  
8 innovation, and technological progress;

9           (2) efficient markets should reflect all costs of  
10 goods to ensure that they advance America’s pros-  
11 perity and national interests;

12           (3) emissions of carbon pollution and other  
13 harmful pollutants into our Nation’s air impose sub-  
14 stantial costs on all Americans and on future gen-  
15 erations; and

16           (4) creation of a Carbon Dividend Trust Fund,  
17 to be distributed to the American people, will make  
18 markets more efficient, create jobs, and stimulate  
19 competition, innovation, and technological progress  
20 that benefit all Americans and future generations.

21 **SEC. 3. CARBON DIVIDENDS AND CARBON FEE.**

22       (a) **IN GENERAL.**—The Internal Revenue Code of  
23 1986 is amended by adding at the end the following new  
24 subtitle:

1 **“Subtitle L—CARBON DIVIDENDS**  
 2 **AND CARBON FEE**

“CHAPTER 101. CARBON FEES.

“CHAPTER 102. CARBON BORDER FEE ADJUSTMENT.

3 **“CHAPTER 101—CARBON FEES**

“Sec. 9901. Definitions.

“Sec. 9902. Carbon fee.

“Sec. 9903. Emissions reduction schedule.

“Sec. 9904. Fee on fluorinated greenhouse gases.

“Sec. 9905. Decommissioning of Carbon Administration.

“Sec. 9906. Carbon Capture and Sequestration.

“Sec. 9907. Administrative authority.

4 **“SEC. 9901. DEFINITIONS.**

5 “For purposes of this subtitle:

6 “(a) ADMINISTRATOR.—The term ‘Administrator’  
 7 means the Administrator of the Environmental Protection  
 8 Agency.

9 “(b) CARBON DIOXIDE EQUIVALENT OR CO<sub>2</sub>-E.—  
 10 The term ‘carbon dioxide equivalent’ or ‘CO<sub>2</sub>-e’ means the  
 11 number of metric tons of carbon dioxide emissions with  
 12 the same global warming potential as one metric ton of  
 13 another greenhouse gas.

14 “(c) CARBON-INTENSIVE PRODUCT.—The term ‘car-  
 15 bon-intensive product’ means, as identified by the Sec-  
 16 retary by rule—

17 “(1) any manufactured or agricultural product  
 18 which the Secretary in consultation with the Admin-  
 19 istrator determines is emissions-intensive and trade-

1 exposed, except that no covered fuel is a carbon-in-  
2 tensive product, and

3 “(2) until such time that the Secretary promul-  
4 gates rules identifying carbon-intensive products, the  
5 following shall be considered carbon-intensive prod-  
6 ucts: iron, steel, steel mill products (including pipe  
7 and tube), aluminum, cement, glass (including flat,  
8 container, and specialty glass and fiberglass), pulp,  
9 paper, chemicals, or industrial ceramics.

10 “(d) CARBON LEAKAGE.—The term ‘carbon leakage’  
11 means an increase of global greenhouse gas emissions  
12 which are substantially due to the relocation of greenhouse  
13 gas sources from the United States to jurisdictions which  
14 lack comparable controls upon greenhouse gas emissions.

15 “(e) COST OF CARBON OR CARBON COSTS.—The  
16 term ‘cost of carbon’ or ‘carbon costs’ means a national  
17 or sub-national government policy which explicitly places  
18 a price on greenhouse gas pollution and shall be limited  
19 to either a tax on greenhouse gases or a system of cap-  
20 and-trade. The cost of carbon is expressed as the price  
21 per metric ton of CO<sub>2</sub>-e.

22 “(f) COVERED ENTITY.—The term ‘covered entity’  
23 means—

24 “(1) in the case of crude oil—



1           “(A) a refinery operating in the United  
2       States, and

3           “(B) any importer of any petroleum or pe-  
4       troleum product into the United States,

5       “(2) in the case of coal—

6           “(A) any coal mining operation in the  
7       United States, and

8           “(B) any importer of coal into the United  
9       States,

10       “(3) in the case of natural gas—

11           “(A) any entity entering pipeline quality  
12       natural gas into the natural gas transmission  
13       system, and

14           “(B) any importer of natural gas into the  
15       United States,

16       “(4) in the case of fluorinated gases any entity  
17       required to report the emission of a fluorinated gas  
18       under part 98 of title 40, Code of Federal Regula-  
19       tions, and

20       “(5) any entity or class of entities which, as de-  
21       termined by the Secretary, is transporting, selling,  
22       or otherwise using a covered fuel in a manner which  
23       emits a greenhouse gas to the atmosphere and which  
24       has not been covered by the carbon fee, the

1 fluorinated greenhouse gas fee, or the carbon border  
2 fee adjustment.

3 “(g) COVERED FUEL.—The term ‘covered fuel’  
4 means crude oil, natural gas, coal, or any other product  
5 derived from crude oil, natural gas, or coal which shall  
6 be used so as to emit greenhouse gases to the atmosphere.

7 “(h) CRUDE OIL.—The term ‘crude oil’ means  
8 unrefined petroleum.

9 “(i) EXPORT.—The term ‘export’ means to transport  
10 a product from within the jurisdiction of the United States  
11 to persons outside the United States.

12 “(j) FLUORINATED GREENHOUSE GAS.—The term  
13 ‘fluorinated greenhouse gas’ means sulfur hexafluoride  
14 ( $\text{SF}_6$ ), nitrogen trifluoride ( $\text{NF}_3$ ), and any fluorocarbon  
15 except for controlled substances as defined in subpart A  
16 of part 82 of title 40, Code of Federal Regulation, and  
17 substances with vapor pressures of less than 1 mm of Hg  
18 absolute at 25 degrees. With these exceptions, ‘fluorinated  
19 greenhouse gas’ includes but is not limited to any  
20 hydrofluorocarbon, any perfluorocarbon, any fully  
21 fluorinated linear, branched or cyclic alkane, ether, ter-  
22 tiary amine or aminoether, any perfluoropolyether, and  
23 any hydrofluoropolyether.

1       “(k) FOSSIL FUEL.—The term ‘fossil fuel’ means  
2 coal, coal products, petroleum, petroleum products, or nat-  
3 ural gas.

4       “(l) FULL FUEL CYCLE GREENHOUSE GAS EMIS-  
5 SIONS.—The term ‘full fuel cycle greenhouse gas emis-  
6 sions’ means the greenhouse gas content of a covered fuel  
7 plus that covered fuel’s upstream greenhouse gas emis-  
8 sions.

9       “(m) GLOBAL WARMING POTENTIAL.—The term  
10 ‘global warming potential’ means the ratio of the time-  
11 integrated radiative forcing from the instantaneous release  
12 of one kilogram of a trace substance relative to that of  
13 one kilogram of carbon dioxide.

14       “(n) GREENHOUSE GAS.—The term ‘greenhouse gas’  
15 means carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous  
16 oxide (N<sub>2</sub>O), sulfur hexafluoride (SF<sub>6</sub>),  
17 hydrofluorocarbons (HFCs), perfluorocarbon (PFCs), and  
18 other gases as defined by rule of the Administrator.

19       “(o) GREENHOUSE GAS CONTENT.—The term  
20 ‘greenhouse gas content’ means the amount of greenhouse  
21 gases, expressed in metric tons of CO<sub>2</sub>-e, which would be  
22 emitted to the atmosphere by the use of a covered fuel  
23 and shall include, nonexclusively, emissions of carbon diox-  
24 ide (CO<sub>2</sub>), nitrous oxide (N<sub>2</sub>O), methane (CH<sub>4</sub>), and other

1 greenhouse gases as identified by rule of the Adminis-  
2 trator.

3       “(p) GREENHOUSE GAS EFFECT.—The term ‘green-  
4 house gas effect’ means the adverse effects of greenhouse  
5 gases on health or welfare caused by the greenhouse gas’s  
6 heat-trapping potential or its effect on ocean acidification.

7       “(q) IMPORT.—Irrespective of any other definition in  
8 law or treaty, the term ‘import’ means to land on, bring  
9 into, or introduce into any place subject to the jurisdiction  
10 of the United States.

11       “(r) PETROLEUM.—The term ‘petroleum’ means oil  
12 removed from the earth or the oil derived from tar sands  
13 or shale.

14       “(s) PRODUCTION GREENHOUSE GAS EMISSIONS.—  
15 The term ‘production greenhouse gas emissions’ means  
16 the quantity of greenhouse gases, expressed in metric tons  
17 of CO<sub>2</sub>-e, emitted to the atmosphere resulting from, non-  
18 exclusively, the production, manufacture, assembly, trans-  
19 portation, or financing of a product.

20       “(t) UPSTREAM GREENHOUSE GAS EMISSIONS.—  
21 The term ‘upstream greenhouse gas emissions’ means the  
22 quantity of greenhouse gases, expressed in metric tons of  
23 CO<sub>2</sub>-e, emitted to the atmosphere resulting from, non-  
24 exclusively, the extraction, processing, transportation, fi-  
25 nancing, or other preparation of a covered fuel for use.

1   **"SEC. 9902. CARBON FEE.**

2           “(a) CARBON FEE.—There is hereby imposed a car-  
3   bon fee on any covered entity’s emitting use, or sale or  
4   transfer for an emitting use, of any covered fuel.

5           “(b) AMOUNT OF THE CARBON FEE.—The carbon  
6   fee imposed by this section is an amount equal to—

7               “(1) the greenhouse gas content of the covered  
8       fuel, multiplied by

9               “(2) the carbon fee rate.

10          “(c) CARBON FEE RATE.—For purposes of this sec-  
11   tion—

12               “(1) IN GENERAL.—The carbon fee rate, with  
13       respect to any use, sale, or transfer during a cal-  
14       endar year, shall be—

15                   “(A) in the case of calendar year 2019,  
16               \$15, and

17                   “(B) except as provided in paragraph (2),  
18               in the case of any calendar year thereafter—

19                       “(i) the carbon fee rate in effect  
20                       under this subsection for the preceding cal-  
21                       endar year, plus

22                       “(ii) \$10.

23          “(2) EXCEPTIONS.—

24                   “(A) INCREASED CARBON FEE RATE  
25       AFTER MISSED ANNUAL EMISSIONS REDUCTION  
26       TARGET.—In the case of any year immediately

1 following a year for which the Secretary deter-  
2 mines under 9903(b) that the actual emissions  
3 of greenhouse gases from covered fuels exceeded  
4 the emissions reduction target for the previous  
5 year, paragraph (1)(B)(ii) shall be applied by  
6 substituting '\$15' for the dollar amount other-  
7 wise in effect for the calendar year under such  
8 paragraph.

9 "(B) CESSATION OF CARBON FEE RATE IN-  
10 CREASE AFTER CERTAIN EMISSION REDUCTIONS  
11 ACHIEVED.—In the case of any year imme-  
12 diately following a year for which the Secretary  
13 determines under 9903(b) that actual emissions  
14 of greenhouse gases from covered fuels is not  
15 more than 10 percent of the greenhouse gas  
16 emissions from covered fuels during the year  
17 2016, paragraph (1)(B)(ii) shall be applied by  
18 substituting '\$0' for the dollar amount other-  
19 wise in effect for the calendar year under such  
20 paragraph.

21 "(3) INFLATION ADJUSTMENT.—In the case of  
22 any calendar year after 2019, each of the dollar  
23 amounts in paragraphs (1)(A), (1)(B)(ii), and  
24 (2)(A) shall be increased by an amount equal to—

25 "(A) such dollar amount, multiplied by

1           “(B) the cost-of-living adjustment deter-  
2           mined under section 1(f)(3) for the calendar  
3           year, determined by substituting ‘calendar year  
4           2018’ for ‘calendar year 2016’ in subparagraph  
5           (A)(ii) thereof.

6           “(d) EXEMPTION AND REFUND.—The Secretary  
7           shall prescribe such rules as are necessary to ensure the  
8           fee imposed by this section is not imposed with respect  
9           to any nonemitting use, or any sale or transfer for a non-  
10          emitting use, including rules providing for the refund of  
11          any carbon fee paid under this section with respect to any  
12          such use, sale, or transfer.

13          “(e) EXEMPTIONS.—

14               “(1) AGRICULTURE.—

15                   “(A) FUEL.—If any covered fuel or its de-  
16                   rivative is used on a farm for a farming pur-  
17                   pose, the Secretary shall pay (without interest)  
18                   to the ultimate purchaser of such covered fuel  
19                   or its derivative, the total amount of carbon  
20                   fees previously paid upon that covered fuel or  
21                   its derivative, as specified by rule of the Sec-  
22                   retary.

23                   “(B) FARM, FARMING USE, AND FARMING  
24                   PURPOSE.—The terms ‘farm’, ‘farming use’,  
25                   and ‘farming purpose’ shall have the respective

1 meanings given such terms under section  
2 6420(c).

3 “(C) OTHER GREENHOUSE GASES EMIS-  
4 SIONS FROM AGRICULTURE.—The carbon fee  
5 shall not be levied upon non-fossil fuel green-  
6 house gas emissions which occur on a farm.

7 “(2) ARMED FORCES OF THE UNITED  
8 STATES.—If any covered fuel or its derivative is  
9 used by the Armed Forces of the United States as  
10 supplies for vessels of war, vehicles, or electrical  
11 power generation equipment, the Secretary shall pay  
12 (without interest) to the ultimate purchaser of such  
13 covered fuel or its derivative, the total amount of  
14 carbon fees previously paid upon that covered fuel or  
15 its derivative, as specified by rule of the Secretary.

16 **“SEC. 9903. EMISSIONS REDUCTION SCHEDULE.**

17 “(a) IN GENERAL.—An emissions reduction schedule  
18 for greenhouse gas emissions from covered fuels is hereby  
19 established, as follows:

20 “(1) REFERENCE YEAR.—The greenhouse gas  
21 emissions from covered fuels during the year 2016  
22 shall be the reference amount of emissions and shall  
23 be determined from the ‘Inventory of U.S. Green-  
24 house Gas Emissions and Sinks: 1990–2016’ pub-



1 lished by the Environmental Protection Agency in  
2 April of 2018.

3 “(2) EMISSIONS REDUCTION TARGET.—The  
4 first emission reduction target shall be for the year  
5 2022. The emission target for each year thereafter  
6 shall be the previous year’s target emissions minus  
7 a percentage of emissions during the reference year  
8 determined in accordance with the following table:

| “Year”       | Emissions Reduction Target             |
|--------------|--|
| 2016         | Reference year                         |
| 2020 to 2024 | No emissions reduction target          |
| 2025 to 2034 | 5 percent of 2016 emissions per year   |
| 2035 to 2050 | 2.5 percent of 2016 emissions per year |

9 “(b) ADMINISTRATIVE DETERMINATION.—Not later  
10 than 60 days after the beginning of each calendar year  
11 beginning after the enactment of this section, the Sec-  
12 retary, in consultation with the Administrator, shall deter-  
13 mine whether actual emissions of greenhouse gases from  
14 covered fuels exceeded the emissions reduction target for  
15 the preceding calendar year. The Secretary shall make  
16 such determination using the same greenhouse gas ac-  
17 counting method as was used to determine the greenhouse  
18 gas emissions in the ‘Inventory of U.S. Greenhouse Gas  
19 Emissions and Sinks: 1990–2016’ published by the Envi-  
20 ronmental Protection Agency in April of 2018.

1 **"SEC. 9904. FEE ON FLUORINATED GREENHOUSE GASES.**

2       “(a) FLUORINATED GAS FEE.—A fee is hereby im-  
3 posed upon any fluorinated greenhouse gas which is re-  
4 quired to be reported under part 98 of title 40, Code of  
5 Federal Regulations.

6       “(b) AMOUNT.—The fee to be paid by the covered  
7 entity required to so report shall be an amount equal to—

8           “(1) the total amount, in metric tons of CO<sub>2</sub>-  
9 e, of emitted fluorinated greenhouse gases (or, in the  
10 case of a supplier, emissions that would result deter-  
11 mined under the rules of such part), multiplied by

12           “(2) an amount equal to 10 percent of the car-  
13 bon fee rate in effect under section 9902(d)(1) for  
14 the calendar year of such emission.

15 **"SEC. 9905. DECOMMISSIONING OF CARBON FEE.**

16       “(a) IN GENERAL.—At such time that—

17           “(1) the Secretary determines under 9903(b)  
18 that actual emissions of greenhouse gases from cov-  
19 ered fuels is not more than 10 percent of the green-  
20 house gas emissions from covered fuels during the  
21 year 2016, and

22           “(2) the monthly carbon dividend payable to an  
23 adult eligible individual has been less than \$20 for  
24 3 consecutive years,

25 the Secretary shall decommission in an orderly manner all  
26 bureaus and programs associated with administering the

1 carbon fee, the carbon border fee adjustment, and the Car-  
 2 bon Dividend Trust Fund.

3 “(b) INFLATION ADJUSTMENT.—In the case of any  
 4 calendar year after 2020, the \$20 amount under sub-  
 5 section (a)(2) shall be increased by an amount equal to—

6 “(1) such dollar amount, multiplied by

7 “(2) cost-of-living adjustment determined under  
 8 section 1(f)(3) for the calendar year, determined by  
 9 substituting ‘calendar year 2017’ for ‘calendar year  
 10 2016’ in subparagraph (A)(ii) thereof.

11 **“SEC. 9906. CARBON CAPTURE AND SEQUESTRATION.**

12 “(a) IN GENERAL.—The Secretary, in consultation  
 13 with the Administrator and the Secretary of Energy, shall  
 14 prescribe regulations for making payments as provided in  
 15 subsection (b) to qualified facilities which capture and se-  
 16 quester qualified carbon dioxide.

17 “(b) PAYMENT AMOUNTS.—

18 “(1) IN GENERAL.—The Secretary shall make  
 19 payments to a qualified facility in the same manner  
 20 as if such payment was a refund of an overpayment  
 21 of the carbon fee imposed by section 9902, in cases  
 22 in which such qualified facility—

23 “(A) uses any covered fuel—

24 “(i) with respect to which the carbon  
 25 fee has been paid, and

1           “(ii) which results in the emission of  
2           qualified carbon dioxide,

3           “(B) captures such emitted qualified car-  
4           bon dioxide, and

5           “(C)(i) sequesters such qualified carbon di-  
6           oxide in a manner which is safe, permanent,  
7           and in compliance with any applicable local,  
8           State, and Federal laws, or

9           “(ii) utilizes such qualified carbon dioxide  
10          in a manner provided in paragraph (3)(C).

11          “(2) AMOUNT OF REFUND.—The payment de-  
12          termined under this section shall be an amount  
13          equal to the lesser of—

14               “(A)(i) the adjusted metric tons of quali-  
15               fied carbon dioxide captured and sequestered or  
16               utilized, multiplied by

17               “(ii) the carbon fee rate during the year in  
18               which the carbon fee was imposed by section  
19               9902 upon the covered fuel to which such car-  
20               bon dioxide relates, or

21               “(B) the amount of the carbon fee imposed  
22               by section 9902 with respect to such covered  
23               fuel.

24          “(3) DEFINITIONS AND SPECIAL RULES.—For  
25          purposes of this section—

1           “(A) QUALIFIED CARBON DIOXIDE; QUALI-  
2           FIED FACILITY.—

3           “(i) QUALIFIED CARBON DIOXIDE.—  
4           The term ‘qualified carbon dioxide’ has the  
5           same meaning given such term under sec-  
6           tion 45Q(b).

7           “(ii) QUALIFIED FACILITY.—The term  
8           ‘qualified facility’ means any industrial fa-  
9           cility at which carbon capture equipment is  
10          placed in service.

11          “(B) ADJUSTED TOTAL METRIC TONS.—  
12          The adjusted total metric tons of qualified car-  
13          bon dioxide captured and sequestered or utilized  
14          shall be the total metric tons of qualified carbon  
15          dioxide captured and sequestered or utilized, re-  
16          duced by the amount of any carbon dioxide like-  
17          ly to escape and be emitted into the atmosphere  
18          due to imperfect storage technology or other-  
19          wise, as determined by the Secretary in con-  
20          sultation with the Administrator.

21          “(C) UTILIZATION.—The Secretary, in  
22          consultation with the Administrator, shall es-  
23          tablish regulations providing for the methods  
24          and processes by which qualified carbon dioxide  
25          may be utilized so as to remove that qualified

1           dioxide safely and permanently from the atmos-  
2           phere. Utilization may include the production of  
3           substances such as but not limited to plastics  
4           and chemicals. Such regulations shall minimize  
5           the escape or further emission of the qualified  
6           carbon dioxide into the atmosphere.

7           “(D) SEQUESTRATION.—Not later 540  
8           days after the date of the enactment of this sec-  
9           tion, the Secretary, in consultation with the Ad-  
10          ministrator, shall prescribe regulations identi-  
11          fying the conditions under which carbon dioxide  
12          may be safely and permanently sequestered.

13          “(4) COORDINATION WITH CREDIT FOR CARBON  
14          DIOXIDE SEQUESTRATION.—At such time that the  
15          Secretary prescribes regulations implementing this  
16          section, no payment under this section shall be al-  
17          lowed to a taxpayer to whom a credit has been al-  
18          lowed for any taxable year under section 45Q.

19          **“SEC. 9907. ADMINISTRATIVE AUTHORITY.**

20          “(a) IN GENERAL.—The Secretary in consultation  
21          with the Administrator shall prescribe such regulations,  
22          and other guidance, as may be necessary to carry out the  
23          purposes of this subtitle and assess and collect the carbon  
24          fee imposed by section 9902 and the fluorinated green-  
25          house gas fee imposed by section 9904.

1       “(b) SPECIFICALLY.—Such regulations and guidance  
2 shall include—

3           “(1) the identification of an effective point in  
4 the production, distribution, or use of a covered fuel  
5 or fluorinated greenhouse gas for collecting such car-  
6 bon fee or fluorinated greenhouse gas fee, in such a  
7 manner so as to minimize administrative burden and  
8 maximize the extent to which full fuel cycle green-  
9 house gas emissions from covered fuels or  
10 fluorinated greenhouse gases have the carbon fee or  
11 fluorinated greenhouse gas fee levied upon them,

12           “(2) the identification of covered entities which  
13 shall be liable for the payment of the carbon fee or  
14 the fluorinated greenhouse gas fee,

15           “(3) requirements for the monthly payment of  
16 such fees,

17           “(4) as may be necessary or convenient, rules  
18 for distinguishing between different types of covered  
19 fuels,

20           “(5) as may be necessary or convenient, rules  
21 for distinguishing between a covered fuel’s green-  
22 house gas content and its upstream greenhouse gas  
23 emissions,

24           “(6) rules to ensure that no covered fuel or  
25 fluorinated greenhouse gas has the carbon fee,

1 fluorinated greenhouse gas fee, or carbon border fee  
2 adjustment imposed upon it more than once, and

3 “(7) rules to ensure that the domestic imple-  
4 mentation of the carbon fee and the fluorinated  
5 greenhouse gas fee coordinate with the implementa-  
6 tion of the carbon border fee adjustment of chapter  
7 102.

8 **“CHAPTER 102—CARBON BORDER FEE**  
9 **ADJUSTMENT**

“Sec. 9908. Carbon border fee adjustment.

“Sec. 9909. Administration of the carbon border fee adjustment.

“Sec. 9910. Allocation of carbon border fee adjustment revenues.

10 **“SEC. 9908. CARBON BORDER FEE ADJUSTMENT.**

11 “(a) IN GENERAL.—The fees imposed by, and re-  
12 funds allowed under, this section shall be referred to as  
13 ‘the carbon border fee adjustment’.

14 “(b) PURPOSE.—The purpose of the carbon border  
15 fee adjustment is to protect animal, plant, and human life  
16 and health, to conserve exhaustible natural resources by  
17 preventing carbon leakage, and to facilitate the creation  
18 of international agreements.

19 “(c) IMPORTED COVERED FUELS FEE.—In the case  
20 of any person that imports into the United States any cov-  
21 ered fuel, there shall be imposed a fee equal to the excess  
22 (if any) of—

23 “(1) an amount equal to—



1           “(A) the amount of full fuel cycle green-  
2           house gas emissions of such fuel, multiplied by

3           “(B) the carbon fee rate in effect for the  
4           year in which such fuel is imported, over

5           “(2) the total foreign cost of carbon carried by  
6           such fuel.

7           “(d) IMPORTED CARBON-INTENSIVE PRODUCTS  
8 FEE.—In the case of any person that imports into the  
9 United States any carbon-intensive products, there shall  
10 be imposed a fee equal to the excess (if any) of—

11           “(1) an amount equal to—

12           “(A) production greenhouse gas emissions  
13           of such product, multiplied by

14           “(B) the carbon fee rate in effect for the  
15           year in which the production greenhouse gas  
16           emissions of such product were emitted into the  
17           atmosphere, over

18           “(2) the total foreign cost of carbon carried by  
19           such product.

20           “(e) REFUND ON EXPORTS FROM UNITED  
21 STATES.—

22           “(1) CARBON-INTENSIVE PRODUCTS.—Under  
23 regulations prescribed by the Secretary, there shall  
24 be allowed a credit or refund (without interest) to  
25 exporters of carbon-intensive products manufactured

1 or produced in the United States an amount equal  
2 to the excess (if any) of—

3 “(A) an amount equal to—

4 “(i) the production greenhouse gas  
5 emissions of the exported carbon-intensive  
6 product, multiplied by

7 “(ii) the carbon fee rate during the  
8 year in which the carbon fee or fluorinated  
9 greenhouse gas fee was paid upon the pro-  
10 duction greenhouse gas emissions of the  
11 exported carbon-intensive product, over

12 “(B) any total cost of carbon to be levied  
13 upon the carbon-intensive product by any juris-  
14 diction to which the carbon-intensive product is  
15 to be imported.

16 Any such credit or refund shall be allowed in the  
17 same manner as if it were an overpayment of the fee  
18 imposed by section 9902 or 9904. The Secretary  
19 shall establish fair, timely, impartial, and as nec-  
20 essary confidential procedures by which any exporter  
21 of any product from the United States may petition  
22 the Secretary to include that exported product on  
23 the list of carbon-intensive products.

24 “(2) COVERED FUELS.—Under regulations pre-  
25 scribed by the Secretary, in the case of a covered

1 fuel produced in the United States with respect to  
 2 which the fee under section 9902 was paid, there  
 3 shall be allowed as a credit or refund (without inter-  
 4 est) to any exporter of such covered fuels an amount  
 5 equal to the excess (if any) of—

6 “(A) an amount equal to—

7 “(i) the full fuel cycle greenhouse gas  
 8 emissions of the covered fuel, multiplied by

9 “(ii) the carbon fee rate at the time  
 10 the carbon fee was paid upon the full fuel  
 11 cycle greenhouse gas emissions of the ex-  
 12 ported covered fuel, over

13 “(B) any total cost of carbon to be levied  
 14 upon the covered fuel by a jurisdiction to which  
 15 the carbon-intensive product is to be imported.

16 Any such credit or refund shall be allowed in the  
 17 same manner as if it were an overpayment of tax  
 18 imposed by section 9902.

19 “(f) DEFINITIONS.—For purposes of this section—

20 “(1) FOREIGN COST OF CARBON; FOREIGN CAR-  
 21 BON COSTS.—The term ‘foreign cost of carbon’ or  
 22 ‘foreign carbon cost’ means the cost of any laws of  
 23 a foreign jurisdiction which impose a system of cap-  
 24 and-trade with respect to, or a tax or fee on, green-

1 house gas. Such cost shall be determined and ex-  
2 pressed as a price per metric ton of CO<sub>2</sub>-e.

3 “(2) TOTAL COST OF CARBON CARRIED.—The  
4 term ‘total cost of carbon carried’ means an amount  
5 equal to—

6 “(A) the production greenhouse gas emis-  
7 sions of a carbon-intensive product or the full  
8 fuel cycle greenhouse gas emissions of a covered  
9 fuel, multiplied by

10 “(B) the cost of carbon with respect to  
11 such product or fuel, reduced by any amount  
12 refunded with respect to such product or fuel  
13 by a foreign jurisdiction.

14 The total cost of carbon carried shall be expressed  
15 as price in United States dollars.

16 “(3) TOTAL FOREIGN COST OF CARBON CAR-  
17 RIED.—The term ‘total foreign cost of carbon car-  
18 ried’ means an amount equal to—

19 “(A) the production greenhouse gas emis-  
20 sions of a carbon-intensive product, or the full  
21 fuel cycle greenhouse gas emissions of a covered  
22 fuel, multiplied by

23 “(B) the foreign cost of carbon with re-  
24 spect to such product or fuel, reduced by the

1 amount refunded with respect to such product  
2 or fuel by a foreign jurisdiction.

3 The total foreign cost of carbon carried shall be ex-  
4 pressed as price in United States dollars.

5 **"SEC. 9909. ADMINISTRATION OF THE CARBON BORDER**  
6 **FEE ADJUSTMENT.**

7 "(a) **GENERALLY.**—The Secretary in consultation  
8 with the Administrator shall prescribe regulations and  
9 guidance which implement the carbon border fee adjust-  
10 ment under section 9908.

11 "(b) **COLLABORATION.**—In determining the produc-  
12 tion greenhouse gas emissions of an imported carbon-in-  
13 tensive product, the upstream greenhouse gas emissions  
14 of an imported covered fuel, the full fuel cycle greenhouse  
15 gas emissions of an imported covered fuel, or the foreign  
16 cost of carbon, or otherwise administering the carbon bor-  
17 der fee adjustment, it is the sense of Congress that the  
18 Secretary should collaborate with authorized officers of  
19 any jurisdiction, including sub-national governments, af-  
20 fected by the carbon border fee adjustment.

21 "(c) **METHODOLOGY.**—In determining the production  
22 greenhouse gas emissions of an imported carbon-intensive  
23 product, the upstream greenhouse gas emissions of an im-  
24 ported covered fuel, the full fuel cycle greenhouse gas  
25 emissions of an imported covered fuel, or the foreign cost

1 of carbon, the Secretary shall use reliable methodologies,  
2 which—

3 “(1) as may be necessary or convenient—

4 “(A) distinguish between different types of  
5 covered fuels,

6 “(B) distinguish between a covered fuel’s  
7 greenhouse gas content and that covered fuel’s  
8 upstream greenhouse gas emissions,

9 “(C) distinguish between the different  
10 types of greenhouse gas emissions which com-  
11 pose a covered fuel’s upstream greenhouse gas  
12 emissions or greenhouse gas content, as well as  
13 the various processes which produced those  
14 emissions, and

15 “(D) distinguish between the different  
16 types of greenhouse gas emissions which com-  
17 pose a carbon-intensive product’s production  
18 greenhouse gas emissions, as well as the various  
19 processes which produced those emissions,

20 “(2) ensure that no covered fuel, covered  
21 fluorinated greenhouse gas, or carbon-intensive prod-  
22 uct has the carbon fee, the fluorinated greenhouse  
23 gas fee, or the border fee adjustment imposed upon  
24 it more than once,

1           “(3) ensure that the implementation of the bor-  
 2       der carbon adjustment aligns with the carbon fee  
 3       and the fluorinated gas fee,

4           “(4) in the case of incomplete data, rely upon  
 5       the best available methodologies for interpolating  
 6       data gaps, and

7           “(5) are consistent with international treaties  
 8       and agreements.

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9       “(d) SCHEDULE.—The Secretary shall determine—

10           “(1) not later than 3 years after the date of the  
 11       enactment of this section, the production greenhouse  
 12       gas emissions of imported carbon-intensive products,

13           “(2) not later than 180 days after the date of  
 14       the enactment of this section, the full fuel cycle  
 15       greenhouse gas emissions and the upstream green-  
 16       house gas emissions of every imported covered fuel,  
 17       and

18           “(3) not later than 3 years after the date of the  
 19       enactment of this section, the foreign cost of carbon  
 20       in all jurisdictions.

21       “(e) PROCEDURE.—The Secretary shall establish  
 22       fair, timely, impartial, and as necessary confidential proce-  
 23       dures by which the importer of any carbon-intensive prod-  
 24       uct or any covered fuel may petition the Secretary to re-  
 25       vise the Secretary’s determination of the production green-

1 house gas emissions, full fuel cycle greenhouse gas emis-  
 2 sions, or upstream greenhouse gas emissions of that im-  
 3 porter's imported covered fuel or imported carbon-inten-  
 4 sive product, or the foreign cost of carbon carried by that  
 5 importer's imported carbon-intensive product.

6       “(f) SHIPMENTS FROM THE UNITED STATES TO THE  
 7 TERRITORIES OF THE UNITED STATES.—Notwith-  
 8 standing any other treaty, law, or policy, shipments of cov-  
 9 ered fuels or carbon-intensive products from the United  
 10 States to Guam, the United States Virgin Islands, Samoa,  
 11 Puerto Rico, and the Northern Mariana Islands shall be  
 12 eligible for a refund of the carbon fee under section  
 13 9908(e).

14       “(g) IMPORTS TO THE TERRITORIES OF THE UNITED  
 15 STATES.—Notwithstanding any other treaty, law, or pol-  
 16 icy, imports of covered fuels or carbon-intensive products  
 17 to Guam, the United States Virgin Islands, Samoa, Puerto  
 18 Rico, and the Northern Mariana Islands shall not be sub-  
 19 ject to Section 9908(c) or 9908(d).”

20 **“SEC. 9910. ALLOCATION OF CARBON BORDER FEE ADJUST-**  
 21 **MENT REVENUES.**

22       “The revenues collected under this chapter may be  
 23 used to supplement appropriations made available in fiscal  
 24 years 2020 and thereafter—



1           “(1) to U.S. Customs and Border Protection, in  
2       such amounts as are necessary to administer the  
3       carbon border fee adjustment, then

4           “(2) to the Department of Treasury, in such  
5       amounts as are necessary to allow refunds under  
6       section 9908(e) to exporters of carbon-intensive  
7       products and exporters of covered fuels.”.

8       (b) COORDINATION WITH CARBON OXIDE SEQUES-  
9       TRATION CREDIT.—Section 45Q(f) is amended by adding  
10      at the end the following new paragraph:

11           “(8) COORDINATION WITH CARBON CAPTURE  
12      AND SEQUESTRATION PAYMENTS.—No credit shall  
13      be allowed under this section to a taxpayer which  
14      has received any payment under section 9906.”.

15      (c) TREATIES AND INTERNATIONAL NEGOTIA-  
16      TIONS.—

17           (1) CONFORMANCE WITH INTERNATIONAL  
18      TREATIES.—In the case that the Appellate Body of  
19      the World Trade Organization, or any other authori-  
20      tative international treaty interpreter, shall find any  
21      portion of the carbon border fee adjustment under  
22      chapter 102 of the Internal Revenue Code of 1986  
23      to violate any treaty to which the United States is  
24      a party, the Secretary of the Treasury is authorized  
25      to alter any aspect of such carbon border fee adjust-

1       ment so as to bring the carbon border fee adjust-  
2       ment into conformance with international law.

3           (2) INTERNATIONAL NEGOTIATIONS.—The Con-  
4       gress finds the international mitigation of green-  
5       house gas emissions to be of national importance.  
6       Therefore, the Congress encourages the Secretary of  
7       State, or the Secretary's designee, to commence and  
8       complete negotiations with other nations with the  
9       goal of forming treaties, environmental agreements,  
10      accords, partnerships or any other instrument that  
11      effectively reduces global greenhouse gas emissions  
12      to 10 percent of 2016 levels by 2050 and which re-  
13      spect the principle of common but differentiated re-  
14      sponsibilities and respective capabilities.

15           (3) SUSPENSION OF THE CARBON BORDER FEE  
16      ADJUSTMENT.—Any part of the carbon border fee  
17      adjustment shall be suspended, in whole or in  
18      part,—

19           (A) by treaty or other international agree-  
20      ment which includes provisions for the suspen-  
21      sion of the carbon border fee adjustment, in  
22      whole or in part, with any party signatory to  
23      the treaty or other international agreement, or

24           (B) by a finding of the Secretary that a ju-  
25      risdiction of importation has implemented poli-

1       cies which, in the case of high emitting coun-  
 2       tries, reduce greenhouse gas emissions at a rate  
 3       at least equivalent to United States greenhouse  
 4       gas emission reductions, or, in the case of low  
 5       emitting countries, prevent the increase in  
 6       greenhouse gas emissions.

7       Any such finding shall be reviewed at least every 3  
 8       years and amended or revoked as required.

9   **SEC. 4. ESTABLISHMENT OF THE CARBON DIVIDEND TRUST**  
 10       **FUND.**

11       (a) IN GENERAL.—Subchapter A of chapter 98 of the  
 12 Internal Revenue Code of 1986 is amended by adding at  
 13 the end the following:

14   **“SEC. 9512. CARBON DIVIDEND TRUST FUND.**

15       “(a) ESTABLISHMENT AND FUNDING.—There is  
 16 hereby established in the Treasury of the United States  
 17 a trust fund to be known as the ‘Carbon Dividend Trust  
 18 Fund’, consisting of such amounts as may be appropriated  
 19 to such trust fund as provided for in this section.

20       “(b) TRANSFERS TO THE CARBON DIVIDEND TRUST  
 21 FUND.—There is hereby appropriated to the Carbon Divi-  
 22 dend Trust Fund amounts equal to the fees received into  
 23 the Treasury less any amounts refunded or paid under  
 24 section 9902(d) or 9906 of chapter 101 for each month.

1       “(c) EXPENDITURES.—Amounts in the trust fund  
2 shall be available for the following purposes:

3       “(1) ADMINISTRATIVE EXPENSES.—So much of  
4 the expenses necessary to administer the Carbon  
5 Dividend Trust Fund for each year, as does not ex-  
6 ceed—

7               “(A) in the case of the first 5 calendar  
8 years ending after the date of the enactment of  
9 this section, the administrative expenses for any  
10 year may not exceed 8 percent of amounts ap-  
11 propriated to the Carbon Dividend Trust Fund  
12 during such year, and

13               “(B) in the case of any calendar year  
14 thereafter, 2 percent of the 5-year rolling aver-  
15 age of the amounts appropriated to the Carbon  
16 Dividend Trust Fund, and

17       “(2) OTHER ADMINISTRATIVE EXPENSES.—So  
18 much of the expenses as are necessary to administer  
19 chapter 101 for any year as does not to exceed 0.60  
20 percent of the amounts appropriated to the Carbon  
21 Dividend Trust Fund for the previous year, and fur-  
22 ther limited as follows:

23               “(A) The Department of the Treasury.

24               “(B) The Social Security Administration.

1           “(C) The Environmental Protection Agen-  
2           cy.

3           “(D) Department of State.

4           “(3) CARBON DIVIDEND PAYMENTS.—

5           “(A) IN GENERAL.—From the amounts in  
6           the Carbon Dividend Trust Fund made avail-  
7           able under paragraphs (1) and (2) of this sub-  
8           section for any year, the Secretary shall for  
9           each month beginning more than 270 days after  
10          the date of the enactment of the Energy Inno-  
11          vation and Carbon Dividend Act of 2019, make  
12          carbon dividend payments to each eligible indi-  
13          vidual.

14          “(B) PRO-RATA SHARE.—A carbon divi-  
15          dend payment is one pro-rata share for each  
16          adult, and half a pro-rata share for each child  
17          under 19 years old, of amounts available for the  
18          month in the Carbon Dividend Trust Fund.

19          “(C) ELIGIBLE INDIVIDUAL.—The term  
20          ‘eligible individual’ means, with respect to any  
21          month, any natural living person who has a  
22          valid Social Security number or taxpayer identi-  
23          fication number and is a citizen or lawful resi-  
24          dent of the United States (other than any indi-  
25          vidual who is a citizen of any possession of the

1 United States and whose bona fide residence is  
2 outside of the United States). The Secretary is  
3 authorized to verify an individual's eligibility to  
4 receive a carbon dividend payment.

5 “(D) FREE TREATMENT OF PAYMENTS.—  
6 Amounts paid under this subsection shall be in-  
7 cludible in gross income.

8 “(E) FEDERAL PROGRAMS AND FEDERAL  
9 ASSISTED PROGRAMS.—The carbon dividend  
10 amount received by any individual shall not be  
11 taken into account as income and shall not be  
12 taken into account as resources for purposes of  
13 determining the eligibility of such individual or  
14 any other individual for benefits or assistance,  
15 or the amount or extent of benefits or assist-  
16 ance, under any Federal program or under any  
17 State or local program financed in whole or in  
18 part with Federal funds.

19 “(F) ADVANCE PAYMENT.—The Secretary  
20 shall transfer to the Carbon Dividend Trust  
21 Fund such amounts as are necessary for the  
22 disbursement of an advanced carbon dividend to  
23 all eligible individuals as follows:

24 “(i) An advanced carbon dividend  
25 shall be the same as the anticipated first

1 carbon dividend required to be distributed  
 2 under subparagraph (A) and shall be dis-  
 3 tributed the month prior to the first collec-  
 4 tion of the carbon fee.

5 “(ii) Total amounts disbursed as ad-  
 6 vanced carbon dividends shall be deducted  
 7 from the carbon dividends on a pro-rata  
 8 basis over the first 3 years after the dis-  
 9 bursement of the first carbon dividends.

10 “(d) ADMINISTRATIVE AUTHORITY.—The Secretary  
 11 shall promulgate rules, guidance, and regulations useful  
 12 and necessary to implement the Carbon Dividend Trust  
 13 Fund.”.

14 (b) CLERICAL AMENDMENT.—The table of sections  
 15 for subchapter A of chapter 98 of such Code is amended  
 16 by adding at the end the following new item:

“Sec. 9512. Carbon Dividend Trust Fund.”.

17 **SEC. 5. LIMITED DISCLOSURE OF INFORMATION.**

18 Section 6103(l) of the Internal Revenue Code of 1986  
 19 is amended by adding at the end the following new para-  
 20 graphs:

21 “(23) LIMITED DISCLOSURE OF IDENTITY IN-  
 22 FORMATION RELATING TO CARBON DIVIDEND PAY-  
 23 MENTS.—

24 “(A) DEPARTMENT OF TREASURY.—Indi-  
 25 vidual identity information shall, without writ-

ten request, be open to inspection by or disclosure to officers and employees of the Department of the Treasury whose official duties require such inspection or disclosure for purposes of administering section 9512 (relating the Carbon Dividend Trust Fund).

“(B) COMMISSIONER OF SOCIAL SECURITY.—The Commissioner of Social Security shall, on written request, disclose to officers and employees of the Department of the Treasury individual identity information which has been disclosed to the Social Security Administration as is necessary to administer section 9512.

“(C) RESTRICTION ON DISCLOSURE.—Information disclosed under this paragraph shall be disclosed only for purposes of, and to the extent necessary in, carrying out section 9512.”.

**SEC. 6. NATIONAL ACADEMY OF SCIENCES REVIEW OF CARBON FEE AND EMISSIONS REDUCTION SCHEDULE.**

(a) IN GENERAL.—Not later than 10 years after the date of the enactment of this Act, the Secretary of Energy shall enter into an agreement with the National Academy of Sciences to prepare a report relating to the carbon fee



1 imposed by section 9902 of the Internal Revenue Code of  
2 1986 and the emissions reductions schedule established  
3 under section 9903 of such Code.

4 (b) REPORT REQUIREMENTS.—Such report shall—

5 (1) assess the efficiency and effectiveness of the  
6 carbon fee in achieving the emissions reduction tar-  
7 gets set forth in section 9903 of such Code;

8 (2) describe and make recommendations on  
9 whether the carbon fee rate and annual increases  
10 prescribed by section 9902(c) of such Code should  
11 be adjusted in order to optimize the efficiency and  
12 effectiveness of this Act in achieving the emissions  
13 reduction targets set forth in section 9903 of such  
14 Code;

15 (3) describe the potential of the carbon fee to  
16 achieve future emissions targets set forth in section  
17 9903(a) of such Code through the year 2050;

18 (4) describe and evaluate the effectiveness of  
19 the carbon fee in reducing emissions from key sec-  
20 tors of the economy, including sectors of the econ-  
21 omy that have decreased their carbon emissions, sec-  
22 tors of the economy that have increased their carbon  
23 emissions, and sectors of the economy in which car-  
24 bon emissions have not changed;

1           (5) make findings and recommendations to  
2       Federal departments and agencies and to Congress  
3       on actions that could be taken to reduce carbon  
4       emissions in the sectors of the economy in which  
5       carbon emissions have not decreased;

6           (6) make findings and recommendations on ad-  
7       justing regulations enacted under the Clean Air Act  
8       and other Federal laws that affect economic sectors  
9       achieving the emissions reduction targets set forth in  
10       section 9903 of such Code; and

11          (7) provide an assessment of any other factors  
12       determined to be material to the program's effi-  
13       ciency and effectiveness in achieving the goals set  
14       forth in this act.

15       (c) REPORT MADE PUBLICLY AVAILABLE.—Not later  
16       than 10 years after the date of the enactment of this Act,  
17       the Secretary of Energy shall submit to Congress the re-  
18       port required under subsection (a). Such report shall be  
19       made electronically available to the public and open to  
20       public comment for at least 60 days before the final sub-  
21       mission to Congress.

22       **SEC. 7. IMPACT OF CARBON FEE ON BIOMASS USE AND**  
23               **CARBON SINKS.**

24       (a) STUDY OF BIOMASS.—The Secretary of Energy  
25       shall enter into an agreement with the National Academy

1 of Sciences and the Administrator of the Environmental  
2 Protection Agency to conduct a study, make recommenda-  
3 tions, and submit a report regarding the impact of the  
4 carbon fee on the use of biomass as an energy source and  
5 the resulting impacts on carbon sinks and biodiversity.

6 (b) STUDY REQUIREMENTS.—The study conducted  
7 under subsection (a) by the National Academy of Sciences  
8 shall include analysis, documentation, and determinations  
9 on—

10 (1) the carbon fee and its impact on the use of  
11 biomass as an energy source and greenhouse gas  
12 emissions from the use of biomass as an energy  
13 source;

14 (2) the impacts of the use of biomass as an en-  
15 ergy source on carbon sinks and biodiversity; and

16 (3) the various types of biomass that are being  
17 used as an energy source.

18 (c) RECOMMENDATIONS.—Based on the findings and  
19 conclusions of the study, the National Academy of  
20 Sciences shall make recommendations to Federal depart-  
21 ments and agencies and to Congress. The recommenda-  
22 tions shall include any actions that should be taken to  
23 mitigate impacts of the carbon fee on—

24 (1) increasing greenhouse gas emissions from  
25 the use of biomass as an energy source; and

1           (2) degradation of carbon sinks and biodiversity  
2 relating to the use of biomass as an energy source.

3       (d) REPORT.—The National Academy of Sciences  
4 shall prepare a report that includes any findings and rec-  
5 ommendations made pursuant to this section and, not  
6 later than 18 months after the date of the enactment of  
7 this Act, make such report electronically available to the  
8 public.

9 **SEC. 8. AMENDMENTS TO THE CLEAN AIR ACT.**

10       (a) IN GENERAL.—Title III of the Clean Air Act (42  
11 U.S.C. 7601) is amended by adding at the end the fol-  
12 lowing:

13 **“SEC. 330. SUSPENSION OF REGULATION OF FUELS AND**  
14 **EMISSIONS BASED ON GREENHOUSE GAS EF-**  
15 **FECTS.**

16       “(a) FUELS.—Unless specifically authorized in sec-  
17 tion 202, 211, 213, or 231 or this section, if a carbon  
18 fee is imposed by section 9902 or 9908 of the Internal  
19 Revenue Code of 1986 with respect to a covered fuel, the  
20 Administrator shall not enforce any rule limiting the emis-  
21 sion of greenhouse gases from the combustion of that fuel  
22 under this Act (or impose any requirement on any State  
23 to limit such emission) on the basis of the emission’s  
24 greenhouse gas effects.

1       “(b) EMISSIONS.—Unless specifically authorized in  
2 section 202, 211, 213, or 231 or this section, if a fee is  
3 imposed by section 9904 of the Internal Revenue Code of  
4 1986 with respect to a fluorinated greenhouse gas, the Ad-  
5 ministrator shall not enforce any rule limiting such gas  
6 under this Act (or impose any requirement on any State  
7 to limit such gas) on the basis of the greenhouse gas ef-  
8 fects of such gas.

9       “(c) AUTHORIZED REGULATION.—Notwithstanding  
10 subsections (a) and (b), nothing in this section limits the  
11 Administrator’s authority pursuant to any other provision  
12 of this Act—

13           “(1) to limit the emission of any greenhouse  
14 gas because of any adverse impact on health or wel-  
15 fare other than its greenhouse gas effects;

16           “(2) in limiting emissions as described in para-  
17 graph (1), to consider the collateral benefits of lim-  
18 iting the emissions because of greenhouse gas ef-  
19 fects;

20           “(3) to limit the emission of black carbon or  
21 any other pollutant that is not a greenhouse gas  
22 that the Administrator determines by rule has heat-  
23 trapping properties; or

1           “(4) to take any action with respect to any  
2           greenhouse gas other than limiting its emission, in-  
3           cluding—

4           “(A) monitoring, reporting, and record-  
5           keeping requirements;

6           “(B) conducting or supporting investiga-  
7           tions; and

8           “(C) information collection.

9           “(d) EXCEPTION FOR CERTAIN GREENHOUSE GAS  
10          EMISSIONS.—Notwithstanding subsections (a) and (b),  
11          nothing in this section limits the Administrator’s authority  
12          to regulate greenhouse gas emissions from—

13          “(1) sources that—

14               “(A) are subject to subpart OOOO or  
15               OOOOa of part 60 of title 40, Code of Federal  
16               Regulations, as in effect on January 1, 2020; or

17               “(B) would be subject to such subpart  
18               OOOO or subpart OOOOa if such subpart ap-  
19               plied regardless of the date on which construc-  
20               tion, modification, or reconstruction of the  
21               source involved commenced; or

22               “(2) POTW Treatment Plants (as defined in  
23               section 403.3(r) of title 40, Code of Federal Regula-  
24               tions).

25          “(e) SUSPENSION EXPIRATION.—

1           “(1) DETERMINATION.—The Administrator  
2       shall make a determination by March 30, 2030, and  
3       no less than once every five years thereafter, based  
4       on the determination required by section 9903(b) of  
5       the Internal Revenue Code of 1986, as to whether  
6       cumulative greenhouse gas emissions from covered  
7       fuels subject to taxation under section 9902 of such  
8       Code during the period from calendar year 2022  
9       through the calendar year preceding the determina-  
10      tion exceed the cumulative emissions for that period  
11      that would have occurred if the emission reduction  
12      targets in section 9903(a)(2) of such Code were met.

13           “(2) CONSEQUENCE OF CUMULATIVE EMIS-  
14      SIONS EXCEEDANCE.—If the Administrator deter-  
15      mines under paragraph (1) that cumulative green-  
16      house gas emissions from covered fuels subject to  
17      tax under section 9902 of the Internal Revenue  
18      Code of 1986 exceed the cumulative emissions for  
19      the period covered by the determination that would  
20      have occurred if the emission reduction targets in  
21      section 9903(a)(2) of such Code were met, then the  
22      prohibitions in subsection (a) of this section, and in  
23      section 211(c)(5) of this Act, shall cease to apply.

24           “(f) ASSURING ENVIRONMENTAL INTEGRITY.—

1           “(1) AUTHORITY.—If the Administrator deter-  
2       mines pursuant to subsection (e)(1) of this section  
3       that the emission reduction targets in section 9903  
4       (a)(2) of the Internal Revenue Code of 1986 are not  
5       met—

6           “(A) subsections (a) and (b) shall cease to  
7       apply; and

8           “(B) the Administrator shall—

9           “(i) issue such regulations as the Ad-  
10       ministrator deems necessary to bring  
11       greenhouse gas emissions from covered  
12       fuels subject to taxation under section  
13       9902 of the Internal Revenue Code of  
14       1986 to levels that are at or below the  
15       emission reductions targets in section  
16       9903(a)(2) of such Code; and

17          “(ii) require in such regulations that  
18       additional reductions in greenhouse gas  
19       emissions are achieved to fully compensate  
20       for any amount by which greenhouse gas  
21       emissions from covered fuels subject to  
22       taxation under section 9902 of such Code  
23       have exceeded the targets in section  
24       9903(a)(2) of such Code.



1           “(2) DEADLINE FOR FINALIZING REGULA-  
 2           TIONS.—The Administrator shall finalize any regula-  
 3           tions required by paragraph (1) not later than two  
 4           years after the Administrator makes the relevant de-  
 5           termination pursuant to such paragraph.

6           “(3) ACHIEVEMENT OF ADDITIONAL REDUC-  
 7           TIONS.—Regulations issued pursuant to paragraph  
 8           (1) shall ensure that any additional reductions re-  
 9           quired by paragraph (1)(B)(ii) are fully achieved by  
 10          no later than eight years after the Administrator  
 11          makes the determination pursuant to subsection  
 12          (e)(1) described in paragraph (1).

13          “(g) DEFINITIONS.—In this section, the terms  
 14          ‘greenhouse gas’ and ‘greenhouse gas effects’ have the  
 15          meanings given to those terms in section 9901 of the In-  
 16          ternal Revenue Code of 1986.”.

17          (b) NEW MOTOR VEHICLES AND NEW MOTOR VEHI-  
 18          CLE ENGINES.—Section 202(b) of the Clean Air Act (42  
 19          U.S.C. 7521(b)) is amended—

20                 (1) by redesignating the second paragraph (3)  
 21                 (as redesignated by section 230(4)(C) of Public Law  
 22                 101-549 (104 Stat. 2529)) as paragraph (4); and

23                 (2) by adding at the end the following:

24                 “(5) Notwithstanding subsections (a) and (b) of  
 25                 section 330, the Administrator may—

1           “(A) limit the emission of any greenhouse  
2           gas (as defined in section 9901 of the Internal  
3           Revenue Code of 1986) on the basis of the  
4           emission’s greenhouse gas effects (as defined in  
5           section 9901 of the Internal Revenue Code of  
6           1986) from any class or classes of new motor  
7           vehicles or new motor vehicle engines subject to  
8           regulation under subsection (a)(1); and

9           “(B) grant a waiver under section  
10          209(b)(1) for standards for the control of  
11          greenhouse gas emissions.”.

12          (c) FUELS.—Section 211(c) of the Clean Air Act (42  
13          U.S.C. 7545(c)) is amended by adding at the end the fol-  
14          lowing new paragraph:

15          “(5) The Administrator shall not, pursuant to this  
16          subsection, impose on any manufacturer or processor of  
17          fuel any requirement for the purpose of reducing the emis-  
18          sion of any greenhouse gas (as defined in section 9901  
19          of the Internal Revenue Code of 1986) produced by com-  
20          bustion of the fuel on the basis of the emission’s green-  
21          house gas effects (as defined in section 9901 of the Inter-  
22          nal Revenue Code of 1986).”.

23          (d) NONROAD ENGINES AND VEHICLES EMISSIONS  
24          STANDARDS.—Section 213 of the Clean Air Act (42

1 U.S.C. 7547) is amended by adding at the end the fol-  
2 lowing:

3       “(e) GREENHOUSE GAS EMISSIONS.—Notwith-  
4 standing section 330(a), the Administrator may limit the  
5 emission of any greenhouse gas (as defined in section  
6 9901 of the Internal Revenue Code of 1986) on the basis  
7 of the emission’s greenhouse gas effects (as defined in sec-  
8 tion 9901 of the Internal Revenue Code of 1986) from  
9 any nonroad engines and nonroad vehicles subject to regu-  
10 lation under this section.”.

11       (e) AIRCRAFT EMISSION STANDARDS.—Section 231  
12 of the Clean Air Act (42 U.S.C. 7571) is amended by add-  
13 ing at the end the following new subsection:

14       “(d) Notwithstanding subsections (a) and (b) of sec-  
15 tion 330, the Administrator may limit the emission of any  
16 greenhouse gas (as defined in section 9901 of the Internal  
17 Revenue Code of 1986) on the basis of the emission’s  
18 greenhouse gas effects (as defined in section 9901 of the  
19 Internal Revenue Code of 1986) from any class or classes  
20 of aircraft engines, so long as any such limitation is not  
21 more stringent than the standards adopted by the Inter-  
22 national Civil Aviation Organization.”.

23 **SEC. 9. EFFECTIVE DATE.**

24       The amendments made by this Act shall take effect  
25 on the date of the enactment of this Act, except the carbon

1 fee under section 9902 of the Internal Revenue Code of  
2 1986 shall apply to uses, sales, or transfers more than  
3 270 days after the date of the enactment of this Act.

4 **SEC. 10. PRINCIPLE OF INTERPRETATION.**

5 In the case of ambiguity, the texts of this statute and  
6 its amending texts shall be interpreted so as to allow for  
7 the most effective abatement of greenhouse gas emissions.

8 **SEC. 11. NO PREEMPTION OF STATE LAW.**

9 Nothing in this legislation shall preempt or super-  
10 sede, or be interpreted to preempt or supersede, any State  
11 law or regulation.

○

**Introduction Form**

By a Member of the Board of Supervisors or Mayor

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I hereby submit the following item for introduction (select only one):

- ☐ 1. For reference to Committee. (An Ordinance, Resolution, Motion or Charter Amendment).
- ☒ 2. Request for next printed agenda Without Reference to Committee.
- ☐ 3. Request for hearing on a subject matter at Committee.
- ☐ 4. Request for letter beginning : "Supervisor [ ] inquiries"
- ☐ 5. City Attorney Request.
- ☐ 6. Call File No. [ ] from Committee.
- ☐ 7. Budget Analyst request (attached written motion).
- ☐ 8. Substitute Legislation File No. [ ]
- ☐ 9. Reactivate File No. [ ]
- ☐ 10. Topic submitted for Mayoral Appearance before the BOS on [ ]

Please check the appropriate boxes. The proposed legislation should be forwarded to the following:

- ☐ Small Business Commission      ☐ Youth Commission      ☐ Ethics Commission
- ☐ Planning Commission      ☐ Building Inspection Commission

**Note: For the Imperative Agenda (a resolution not on the printed agenda), use the Imperative Form.**

Sponsor(s):

Supervisors Rafael Mandelman; Gordon Mar, Sandra Lee Fewer

Subject:

Supporting United States House Resolution No. 763 (Deutch) - The Energy and Carbon Dividend Act of 2019

The text is listed:

Resolution supporting United States House Resolution No. 763, authored by United States Representative Theodore E. Deutch, the Energy Innovation and Carbon Dividend Act of 2019, to encourage market-driven innovation of clean energy technologies and market efficiencies which will reduce harmful pollution and leave a healthier, more stable, and more prosperous nation for future generations.

Signature of Sponsoring Supervisor: [ ]

Clerk's Use Only

