AMENDMENT TO H.R. 2454, AS REPORTED OFFERED BY Mr. PETERSON OF MINNESOTA

(Page and line numbers refer to the file ACESFL_001 (HR 2998) on the Rules Committee website)

Page 15, beginning line 8, strike paragraph (11), relating to the definition of high conservation priority land.

Page 19, beginning line 13, strike paragraph (16), relating to the definition of renewable biomass, and insert the following new paragraph:

1 "(16) Renewable biomass.—The term 're-2 newable biomass' means any of the following: 3 "(A) Materials, pre-commercial thinnings, or removed invasive species from National For-4 5 est System land and public lands (as defined in 6 section 103 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1702)), 7 including those that are byproducts of preven-8 9 tive treatments (such as trees, wood, brush, 10 thinnings, chips, and slash), that are removed 11 as part of a federally recognized timber sale, or 12 that are removed to reduce hazardous fuels, to 13 reduce or contain disease or insect infestation, 14 or to restore ecosystem health, and that are—

1	"(i) not from components of the Na-
2	tional Wilderness Preservation System,
3	Wilderness Study Areas, Inventoried
4	Roadless Areas, old growth or late-succes-
5	sional forest stands, components of the
6	National Landscape Conservation System,
7	National Monuments, National Conserva-
8	tion Areas, Designated Primitive Areas, or
9	Wild and Scenic Rivers corridors;
10	"(ii) harvested in environmentally sus-
11	tainable quantities, as determined by the
12	appropriate Federal land manager; and
13	"(iii) harvested in accordance with
14	Federal and State law, and applicable land
15	management plans.
16	"(B) Any organic matter that is available
17	on a renewable or recurring basis from non-
18	Federal land or land belonging to an Indian or
19	Indian tribe that is held in trust by the United
20	States or subject to a restriction against alien-
21	ation imposed by the United States, including—
22	"(i) renewable plant material, includ-
23	ing—
24	"(I) feed grains;

1	"(II) other agricultural commod-
2	ities;
3	"(III) other plants and trees; and
4	"(IV) algae; and
5	"(ii) waste material, including—
6	"(I) crop residue;
7	"(II) other vegetative waste ma-
8	terial (including wood waste and wood
9	residues);
10	"(III) animal waste and byprod-
11	ucts (including fats, oils, greases, and
12	manure);
13	"(IV) construction waste; and
14	"(V) food waste and yard
15	waste.".
	Page 116, beginning line 1, strike section 126 and
iı	nsert the following new section:
16	SEC. 126. DEFINITION OF RENEWABLE BIOMASS.
17	Section 211(o)(1)(I) of the Clean Air Act (42 U.S.C.
18	7545(o)(1)(I)) is amended to read as follows:
19	"(I) Renewable biomass.—The term 're-
20	newable biomass' means any of the following:
21	"(i) Materials, pre-commercial
22	thinnings, or removed invasive species from
23	National Forest System land and public

1	lands (as defined in section 103 of the
2	Federal Land Policy and Management Act
3	of 1976 (43 U.S.C. 1702)), including those
4	that are byproducts of preventive treat-
5	ments (such as trees, wood, brush,
6	thinnings, chips, and slash), that are re-
7	moved as part of a federally recognized
8	timber sale, or that are removed to reduce
9	hazardous fuels, to reduce or contain dis-
10	ease or insect infestation, or to restore eco-
11	system health, and that are—
12	"(I) not from components of the
13	National Wilderness Preservation Sys-
14	tem, Wilderness Study Areas, Inven-
15	toried Roadless Areas, old growth or
16	late-successional forest stands, compo-
17	nents of the National Landscape Con-
18	servation System, National Monu-
19	ments, National Conservation Areas,
20	Designated Primitive Areas, or Wild
21	and Scenic Rivers corridors;
22	"(II) harvested in environ-
23	mentally sustainable quantities, as de-
24	termined by the appropriate Federal
25	land manager; and

1	"(III) harvested in accordance
2	with Federal and State law, and ap-
3	plicable land management plans.
4	"(ii) Any organic matter that is avail-
5	able on a renewable or recurring basis
6	from non-Federal land or land belonging to
7	an Indian or Indian tribe that is held in
8	trust by the United States or subject to a
9	restriction against alienation imposed by
10	the United States, including—
11	"(I) renewable plant material, in-
12	cluding—
13	"(aa) feed grains;
14	"(bb) other agricultural
15	commodities;
16	"(cc) other plants and trees;
17	and
18	"(dd) algae; and
19	"(II) waste material, including—
20	"(aa) crop residue;
21	"(bb) other vegetative waste
22	material (including wood waste
23	and wood residues);

1	"(cc) animal waste and by-
2	products (including fats, oils,
3	greases, and manure);
4	"(dd) construction waste;
5	"(ee) food waste and yard
6	waste; and
7	"(ff) the non-fossil biogenic
8	portion of municipal solid waste
9	and construction, demolition, and
10	disaster debris.".

Page 693, beginning line 13, strike paragraph (29), relating to the definition of high conservation priority land.

Page 696, beginning line 15, strike paragraph (42), relating to the definition of renewable biomass, and insert the following new paragraph:

"(42) Renewable biomass.—The term 're-11 newable biomass' means any of the following: 12 "(A) Materials, pre-commercial thinnings, 13 or removed invasive species from National For-14 15 est System land and public lands (as defined in section 103 of the Federal Land Policy and 16 Management Act of 1976 (43 U.S.C. 1702)), 17 18 including those that are byproducts of preven-

1	tive treatments (such as trees, wood, brush,
2	thinnings, chips, and slash), that are removed
3	as part of a federally recognized timber sale, or
4	that are removed to reduce hazardous fuels, to
5	reduce or contain disease or insect infestation,
6	or to restore ecosystem health, and that are—
7	"(i) not from components of the Na-
8	tional Wilderness Preservation System,
9	Wilderness Study Areas, Inventoried
10	Roadless Areas, old growth or late-succes-
11	sional forest stands, components of the
12	National Landscape Conservation System,
13	National Monuments, National Conserva-
14	tion Areas, Designated Primitive Areas, or
15	Wild and Scenic Rivers corridors;
16	"(ii) harvested in environmentally sus-
17	tainable quantities, as determined by the
18	appropriate Federal land manager; and
19	"(iii) harvested in accordance with
20	Federal and State law, and applicable land
21	management plans.
22	"(B) Any organic matter that is available
23	on a renewable or recurring basis from non-
24	Federal land or land belonging to an Indian or
25	Indian tribe that is held in trust by the United

1	States or subject to a restriction against alien-
2	ation imposed by the United States, including—
3	"(i) renewable plant material, includ-
4	ing—
5	"(I) feed grains;
6	"(II) other agricultural commod-
7	ities;
8	"(III) other plants and trees; and
9	"(IV) algae; and
10	"(ii) waste material, including—
11	"(I) crop residue;
12	"(II) other vegetative waste ma-
13	terial (including wood waste and wood
14	residues);
15	"(III) animal waste and byprod-
16	ucts (including fats, oils, greases, and
17	manure);
18	"(IV) construction waste; and
19	"(V) food waste and yard
20	waste.".

At the end of the bill, add the following new title:

9 TITLE V—AGRICULTURAL AND 1 FORESTRY RELATED OFFSETS 2 Subtitle A—Offset Credit Program From Domestic Agricultural and 4 **Forestry Sources** 5 SEC. 501. DEFINITIONS. 7 (a) IN GENERAL.—In this title: 8 ADDITIONAL.—The term "additional", (1)9 when used with respect to reductions or avoidance of 10 greenhouse gas emissions, or to sequestration of 11 greenhouse gases, means reductions, avoidance, or 12 sequestration that result in a lower level of net 13 greenhouse gas emissions or atmospheric concentra-14 tions than would occur in the absence of an offset 15 project. (2) Additionality.—The term "additionality" 16 17 means the extent to which reductions or avoidance 18 of greenhouse gas emissions, or sequestration of 19 greenhouse gases, are additional. 20 ADMINISTRATOR.—The term "Adminis-21 trator" means the Administrator of the Environ-22 mental Protection Agency. 23 (4) Advisory committee.—The term "Advi-

sory Committee" means the USDA Greenhouse Gas

Emission Reduction and Sequestration Advisory

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1	Committee established under section 1245(f) of the
2	Food Security Act of 1985 (16 U.S.C. 3845).
3	(5) Greenhouse gas.—The term "greenhouse
4	gas" means any of the following:
5	(A) Carbon dioxide.
6	(B) Methane.
7	(C) Nitrous oxide.
8	(D) Sulfur hexafluoride.
9	(E) Hydrofluorocarbons from a chemical
10	manufacturing process at an industrial sta-
11	tionary source.
12	(F) Any perfluorocarbon.
13	(G) Nitrogen trifluoride.
14	(H) Any other anthropogenic gas des-
15	ignated as a greenhouse gas by the Adminis-
16	trator.
17	(6) Leakage.—The term "leakage" means a
18	significant and quantifiable increase in greenhouse
19	gas emissions, or a significant and quantifiable de-
20	crease in sequestration, which is caused by an offset
21	practice and occurs outside the boundaries of the
22	offset practice.
23	(7) Offset credit.—The term "offset credit"
24	means a tradeable compliance instrument that—

1	(A) represents the reduction, avoidance, or
2	sequestration of 1 ton of carbon dioxide equiva-
3	lent; and
4	(B) is issued pursuant to this title.
5	(8) Offset practice.—The term "offset prac-
6	tice" means an activity that reduces, avoids, or se-
7	questers greenhouse gas emissions, and for which
8	offset credits may be issued pursuant to this title.
9	(9) Offset producer.—The term "offset pro-
10	ducer" means an owner, operator, landlord, tenant,
11	or sharecropper who has or shares responsibility for
12	ensuring that an offset practice is established and
13	maintained during the crediting period for purposes
14	of an offset credit.
15	(10) Offset Project.—The term "offset
16	project" means a practice or set of practices that re-
17	duce or avoid greenhouse gas emissions, or sequester
18	greenhouse gases as implemented by an offset pro-
19	ducer.
20	(11) Offset project developer.—The term
21	"offset project developer" means the offset producer
22	or designee of the offset producer.
23	(12) Practice type.—The term "practice
24	type" means a discrete category of offset practices
25	for which the Secretary develops a standardized

1 methodology to accurately estimate the amount of 2 greenhouse gas emissions reduced or avoided or 3 greenhouse gases sequestered. (13) REVERSAL.—The term "reversal" means 4 5 an intentional or unintentional loss of sequestered 6 greenhouse gases to the atmosphere. 7 (14)SECRETARY.—The term "Secretary" 8 means the Secretary of Agriculture. 9 (15) Sequestration and sequestered.— The terms "sequestered" and "sequestration" mean 10 11 the separation, isolation, or removal of greenhouse 12 gases from the atmosphere, as determined by the 13 Secretary. The terms include biological sequestra-14 tion, but do not include ocean fertilization tech-15 niques. (16) TERM OFFSET CREDIT.—The term "term" 16 17 offset credit" means a compliance instrument au-18 thorized under section 504(d). 19 (b) AGRICULTURAL AND FORESTRY EXCEPTION TO 20 CAPPED SECTORS.—For purposes of this title, the term "capped sector" means a sector of economic activity that 21 22 directly emits capped emissions, including the industrial 23 sector, electricity generation sector, the transportation sector, the residential and commercial sectors (to the ex-

1	tent they burn oil or natural gas), but such term does not
2	include the agricultural or forestry sectors.
3	SEC. 502. ESTABLISHMENT OF OFFSET CREDIT PROGRAM
4	FROM DOMESTIC AGRICULTURAL AND FOR-
5	ESTRY SOURCES.
6	(a) Establishment.—Not later than 1 year after
7	the date of enactment of this title, the Secretary shall es-
8	tablish a program governing the generation of offset cred-
9	its from domestic agricultural and forestry sources.
10	(b) REQUIREMENTS.—The program described in sub-
11	section (a) shall—
12	(1) ensure that offset credits represent
13	verifiable and additional greenhouse gas emission re-
14	ductions or avoidance, or increases in sequestration;
15	and
16	(2) ensure that offset credits issued for seques-
17	tration offset projects are only issued for greenhouse
18	gas reductions that result in a permanent net reduc-
19	tion in atmospheric greenhouse gases.
20	(c) Duties of Secretary.—In addition to the du-
21	ties described in subsection (a) and section 1245 of the
22	Food Security Act of 1985 (16 U.S.C. 3845), the Sec-
23	retary shall, with respect to practices relating to offset
24	credits from agricultural and forestry sources—

1	(1) establish by rule methodologies by practice
2	types for quantifying greenhouse gas benefits;
3	(2) establish by rule methodologies for each
4	practice type for establishing activity baselines and
5	determining additionality;
6	(3) establish by rule methodologies by practice
7	types for accounting for and mitigating potential
8	leakage;
9	(4) establish rules to account for and address
10	reversals;
11	(5) establish rules to require third-party
12	verification;
13	(6) provide technical assistance to offset project
14	developers using funds appropriated to the Con-
15	servation Operations account;
16	(7) establish rules for approval of offset project
17	plans;
18	(8) establish rules for certification of implemen-
19	tation of offset project plans;
20	(9) establish by rule requirements for reporting
21	and record keeping; and
22	(10) conduct audits.
23	SEC. 503. LIST OF ELIGIBLE DOMESTIC AGRICULTURAL
24	AND FORESTRY OFFSET PRACTICE TYPES.
25	(a) List Required.—

1	(1) Preparation and publication.—Not
2	later than 1 year after the date of enactment of this
3	title, the Secretary shall prepare and publish in the
4	Federal Register a list of domestic agricultural and
5	forestry practice types that are eligible to generate
6	offset credits under this title because the practices
7	avoid or reduce greenhouse gas emissions or seques-
8	ter greenhouse gases.
9	(2) RECOMMENDATIONS.—In preparing the list
10	under paragraph (1), the Secretary shall take into
11	consideration the recommendations of the Advisory
12	Committee.
13	(b) Initial List.—At a minimum, the list prepared
14	under this section shall include those practices that avoid
15	or reduce greenhouse gas emissions or sequester green-
16	house gases, such as—
17	(1) agricultural, grassland, and rangeland se-
18	questration and management practices, including—
19	(A) altered tillage practices;
20	(B) winter cover cropping, continuous
21	cropping, and other means to increase biomass
22	returned to soil in lieu of planting followed by
23	fallowing;
24	(C) reduction of nitrogen fertilizer use or
25	increase in nitrogen use efficiency;

1	(D) reduction in the frequency and dura-
2	tion of flooding of rice paddies;
3	(E) reduction in carbon emissions from or-
4	ganic soils;
5	(F) reduction in greenhouse gas emissions
6	from manure and effluent; and
7	(G) reduction in greenhouse gas emissions
8	due to changes in animal management prac-
9	tices, including dietary modifications;
10	(2) changes in carbon stocks attributed to land
11	use change and forestry activities, including—
12	(A) afforestation or reforestation of acre-
13	age that is not forested;
14	(B) forest management resulting in an in-
15	crease in forest carbon stores including but not
16	limited to harvested wood products;
17	(C) management of peatland or wetland;
18	(D) conservation of grassland and forested
19	land;
20	(E) improved forest management, includ-
21	ing accounting for carbon stored in wood prod-
22	ucts;
23	(F) reduced deforestation or avoided forest
24	conversion;
25	(G) urban tree-planting and maintenance;

1	(H) agroforestry; and
2	(I) adaptation of plant traits or new tech-
3	nologies that increase sequestration by forests;
4	and
5	(3) manure management and disposal, includ-
6	ing—
7	(A) waste aeration;
8	(B) biogas capture and combustion; and
9	(C) application to fields as a substitute for
10	commercial fertilizer.
11	(c) Additions and Revisions to List.—
12	(1) Periodic Revision.—Not later than 2
13	years after the date of enactment of this title, and
14	every 2 years thereafter, the Secretary, after public
15	notice and opportunity for comment, shall add to
16	and revise the types of offset practices to the list es-
17	tablished under subsection (a) if those types of prac-
18	tices meet the standards for environmental integrity
19	that are consistent with the purposes of this title.
20	(2) Consideration of Petitions.—The Sec-
21	retary shall—
22	(A) consider petitions to add types of off-
23	set practices to the list established under sub-
24	section (a); and

1	(B) add those types of offset practices to
2	the list if the types of offset practices meet
3	standards for environmental integrity consistent
4	with the purposes of this title.
5	(3) Time for consideration of peti-
6	TIONS.—Not later than 1 year after the receipt of
7	a petition under paragraph (2), the Secretary shall
8	make a decision to either grant or deny the petition
9	and publish a written explanation of the reasons for
10	the Secretary's decision. The Secretary may not
11	deny a petition under this subsection on the basis of
12	inadequate Department of Agriculture resources at
13	the time of the review.
13 14	the time of the review. SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL
14	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL
14 15	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES.
14 15 16	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.—
14 15 16 17	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating
14 15 16 17	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating regulations under section 502, the Secretary shall
114 115 116 117 118	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating regulations under section 502, the Secretary shall establish methodologies for domestic agricultural
14 15 16 17 18 19 20	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating regulations under section 502, the Secretary shall establish methodologies for domestic agricultural and forestry practices listed under section 503, if
14 15 16 17 18 19 20 21	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating regulations under section 502, the Secretary shall establish methodologies for domestic agricultural and forestry practices listed under section 503, if the Secretary determines that methodologies can be
14 15 16 17 18 19 20 21	SEC. 504. REQUIREMENTS FOR DOMESTIC AGRICULTURAL AND FORESTRY PRACTICES. (a) METHODOLOGIES.— (1) IN GENERAL; CONDITION.—In promulgating regulations under section 502, the Secretary shall establish methodologies for domestic agricultural and forestry practices listed under section 503, if the Secretary determines that methodologies can be established for such practices that meet each of the

1	practice that avoided or reduced greenhouse gas
2	emissions or sequestered greenhouse gases.
3	(2) Specified methodologies.—The Sec-
4	retary shall establish the following methodologies
5	under this section:
6	(A) ACTIVITY BASELINES.—A standardized
7	methodology for establishing activity baselines
8	for an offset practice of that type. The Sec-
9	retary shall set activity baselines to reflect a
10	conservative estimate of performance or activi-
11	ties for the relevant type of practice (excluding
12	changes in performance or activities due to the
13	availability of offset credits) such that the base-
14	line provides an adequate margin of safety to
15	ensure the environmental integrity of offset
16	credits calculated in reference to such baseline.
17	(B) Additionality.—A standardized
18	methodology for determining the additionality
19	of greenhouse gas emissions reduction or avoid-
20	ance, or greenhouse gas sequestration, achieved
21	by an offset practice of that type. Such method-
22	ology shall ensure, at a minimum, that any
23	greenhouse gas emission reduction or avoidance,
24	or any greenhouse gas sequestration, is consid-

1	ered additional only to the extent that it results
2	from activities that—
3	(i) are not required by existing gov-
4	ernment regulations, as determined by the
5	Secretary;
6	(ii) were not commenced prior to Jan-
7	uary 1, 2009, except in the case of—
8	(I) offset project activities that
9	commenced after January 1, 2001,
10	and were registered as of the date of
11	enactment of this title under an offset
12	program with respect to which an af-
13	firmative determination has been
14	made under section 740 of the Clean
15	Air Act; or
16	(II) activities that are readily re-
17	versible, with respect to which the
18	Secretary may set an alternative ear-
19	lier date under this subparagraph that
20	is not earlier than January 1, 2001,
21	where the Secretary determines that
22	setting such an alternative date may
23	produce an environmental benefit by
24	removing an incentive to cease and

1	then reinitiate activities that began
2	prior to January 1, 2009; and
3	(iii) exceed the applicable activity
4	baseline established under paragraph (2).
5	(C) QUANTIFICATION METHODS.—A stand-
6	ardized methodology for determining the extent
7	to which greenhouse gas emission reductions or
8	avoidance, or greenhouse gas sequestration,
9	achieved by an offset practice of that type ex-
10	ceeded a relevant activity baseline, including
11	methods for monitoring and accounting for un-
12	certainty.
13	(D) Leakage.—A standardized method-
14	ology for accounting for and mitigating poten-
15	tial leakage, if any, from an offset practice of
16	that type, taking uncertainty into account, ex-
17	cluding international indirect land use changes
18	unless a positive determination is made under
19	section 211(o)(13)(C)(iii) of the Clean Air Act.
20	(b) Special Considerations.—
21	(1) Existing offset practices.—In estab-
22	lishing the methodologies under subsection (a), the
23	Secretary shall give due consideration to methodolo-
24	gies for offset practices existing as of the date of the
25	enactment of this title.

1	(2) CERTAIN FACTORS.—As part of the meth-
2	odologies established under subsection (a), the Sec-
3	retary shall establish a formula that takes into ac-
4	count the components of the practice, the character-
5	istics of the land on which the practice is applied,
6	the crop produced, and such other factors as deter-
7	mined appropriate by the Secretary.
8	(c) Accounting for Reversals.—
9	(1) In general.—Except as provided in sub-
10	section (d) with respect to issuance of a term offset
11	credit, for each type of practice listed under section
12	503, the Secretary shall establish requirements to
13	account for and address reversals, including—
14	(A) a requirement to report any reversal
15	with respect to an offset practice for which off-
16	set credits have been issued under this title;
17	(B) provisions to require emission allow-
18	ances or offset credits to be held in amounts to
19	fully compensate for greenhouse gas emissions
20	attributable to reversals, and to assign responsi-
21	bility for holding such emission allowances; and
22	(C) any other provisions that the Secretary
23	determines to be necessary to account for and
24	address reversals.
25	(2) Mechanisms.—

1	(A) IN GENERAL.—The Secretary shall
2	prescribe mechanisms to ensure that any se-
3	questration of greenhouse gases, with respect to
4	which an offset credit is issued under this title,
5	results in a permanent net increase in seques-
6	tration of greenhouse gases, and that full ac-
7	count is taken of any actual or potential rever-
8	sal of such sequestration, with an adequate
9	margin of safety.
10	(B) Specific mechanisms.—The Sec-
11	retary shall make available one or more of the
12	following mechanisms to meet the requirements
13	of this paragraph:
14	(i) An offsets reserve, pursuant to
15	paragraph (3).
16	(ii) Insurance that provides for pur-
17	chase and provision to the Secretary for
18	retirement of a quantity of offset credits or
19	emission allowances equal in number to the
20	tons of carbon dioxide equivalents of green-
21	house gas emissions released due to rever-
22	sal.
23	(iii) Another mechanism if the Sec-
24	retary determines it is necessary to satisfy
25	the requirements of this title, taking into

1	account whether the reversal was inten-
2	tional or unintentional.
3	(3) Offsets reserve.—
4	(A) In general.—An offsets reserve re-
5	ferred to in paragraph (2)(B)(i) is a program
6	under which, before issuance of offset credits
7	under this title, the Secretary shall—
8	(i) subtract and reserve from the
9	quantity to be issued a quantity of offset
10	credits based on the risk of reversal;
11	(ii) hold those reserved offset credits
12	in the offsets reserve; and
13	(iii) register the holding of the re-
14	served offset credits in an offset registry.
15	(B) Practice reversal.—
16	(i) In general.—If a reversal has
17	occurred with respect to an offset practice
18	within an offset project, for which offset
19	credits are reserved under this paragraph,
20	the Secretary shall retire offset credits
21	from the offsets reserve to fully account
22	for the tons of carbon dioxide equivalent
23	that are no longer sequestered.
24	(ii) Intentional reversals.—If the
25	Secretary determines that a reversal was

1	intentional, the offset practice developer
2	for the relevant offset practice shall place
3	into the offsets reserve a quantity of offset
4	credits, or combination of offset credits
5	and emission allowances, equal in number
6	to the number of reserve offset credits that
7	were retired pursuant to clause (i).
8	(iii) Unintentional reversals.—If
9	the Secretary determines that a reversal
10	was unintentional, the offset project devel-
11	oper for the relevant offset project shall
12	place into the offsets reserve a quantity of
13	offset credits, or combination of offset
14	credits and emission allowances, equal in
15	number to half the number of offset credits
16	that were reserved for that offset project,
17	or half the number of reserve offset credits
18	that were canceled due to the reversal pur-
19	suant to clause (i), whichever is less, ex-
20	cept that the Secretary may lower this
21	amount based on undue hardship in the
22	event of a catastrophic occurrence.
23	(C) Use of reserved offset cred-
24	ITS.—Offset credits placed into the offsets re-

1	serve under this paragraph may not be used to
2	comply with section 722 of the Clean Air Act.
3	(d) TERM OFFSET CREDITS.—
4	(1) Applicability.—With respect to a practice
5	listed under section 503 that sequesters greenhouse
6	gases and has a crediting period of no more than
7	five years, the Secretary may address reversals pur-
8	suant to this subsection in lieu of permanently ac-
9	counting for reversals pursuant to subsection (c).
10	(2) Accounting for reversals.—For such
11	practices or projects implementing such practices,
12	the Secretary shall require only reversals that occur
13	during the crediting period to be accounted for and
14	addressed pursuant to subsection (c).
15	(3) Credits issued.—For practices or projects
16	regulated pursuant to paragraph (2), the Secretary
17	shall issue under section 507 a term offset credit, in
18	lieu of an offset credit, for each ton of carbon diox-
19	ide equivalent that has been sequestered.
20	(e) Crediting Periods.—
21	(1) In general.—For each offset practice type
22	within an offset project, the Secretary shall specify
23	a crediting period, and establish provisions for re-
24	enrollment for a subsequent crediting period, in ac-
25	cordance with this subsection.

1	(2) Duration.—The crediting period shall
2	have a term of up to—
3	(A) 5 years for agricultural sequestration
4	practices;
5	(B) 20 years for forestry sequestration
6	practices; and
7	(C) 10 years for other practice types that
8	reduce or avoid greenhouse gas emissions or se-
9	quester greenhouse gases.
10	(3) Eligibility.—An offset practice, within an
11	offset project, shall—
12	(A) be eligible to generate offset credits
13	under this title only during the crediting period
14	of the offset practice; and
15	(B) remain eligible to generate offset cred-
16	its, only during the crediting period, subject to
17	the methodologies and practice type eligibility
18	list that applied as of the date of the project
19	approval.
20	(4) Reenrollment for subsequent cred-
21	ITING PERIOD.—
22	(A) REENROLLMENT AUTHORIZED; TIME
23	FOR REENROLLMENT.—An offset project devel-
24	oper may reenroll for a subsequent crediting pe-
25	riod, to commence after termination of the cur-

1	rent crediting period, subject to the methodolo-
2	gies and practice type eligibility list in effect at
3	the time of reenrollment. Reenrollment may not
4	occur more than 18 months before the end of
5	the crediting period then in effect.
6	(B) Limitation.—The Secretary may
7	limit the number of subsequent crediting peri-
8	ods available for a particular practice type.
9	(f) Environmental Integrity.—In establishing
10	the requirements under this section, the Secretary shall
11	apply conservative assumptions or methods to ensure the
12	environmental integrity of the cap established under sec-
13	tion 703 of the Clean Air Act is not compromised.
14	SEC. 505. PROJECT PLAN SUBMISSION AND APPROVAL.
15	(a) Project Plan Required.—An offset project
16	developer shall submit to the Secretary an offset project
17	plan for approval.
18	(b) REQUIREMENTS.—As part of the regulations pro-
19	mulgated under this title, the Secretary shall include pro-
20	visions for, and shall specify, the required components of
21	an offset project plan, including—
22	(1) designation of an offset project developer;
23	(2) a list and schedule of the practices to be im-
24	plemented:

1	(3) any other information that the Secretary
2	considers to be necessary—
3	(A) to determine whether the offset prac-
4	tice, within the offset project, is eligible for
5	issuance of offset credits under regulations pro-
6	mulgated under this title; and
7	(B) to achieve the purposes of this title.
8	(c) Time for Consideration; Notification.—Not
9	later than 90 days after receiving a complete offset project
10	plan under subsection (a), the Secretary shall—
11	(1) approve the plan in writing and include an
12	estimate of the offset project credits that will be
13	earned if the plan is implemented, subject to
14	verification of all project-specific variables; or
15	(2) if the plan is denied, provide the reasons for
16	denial in writing.
17	(d) Appeal.—The Secretary shall establish proce-
18	dures for appeal and review of determinations made under
19	this section.
20	(e) Resubmission.—After an offset project plan is
21	approved, the offset project developer shall not be required
22	to resubmit a project plan during the crediting period.

1	SEC. 506. VERIFICATION OF OFFSET PRACTICES.
2	(a) In General.—As part of the regulations promul-
3	gated under this title, the Secretary shall establish re-
4	quirements to verify—
5	(1) that offset practices in an approved offset
6	project plan have been implemented; and
7	(2) the quantity of greenhouse gas emission re-
8	ductions or avoidance, or sequestration of green-
9	house gases, resulting from an offset practice and
10	project.
11	(b) Verification Reports.—
12	(1) In general.—The regulations described in
13	subsection (a) shall require an offset project devel-
14	oper to submit a report, prepared by a third-party
15	verifier accredited under subsection (e).
16	(2) REQUIREMENTS.—The Secretary shall
17	specify the components of a verification report re-
18	quired under paragraph (1), including—
19	(A) the name and contact information for
20	the offset project developer;
21	(B) a certification that the project plan
22	has been implemented;
23	(C) the quantity of greenhouse gases re-
24	duced, avoided, or sequestered;
25	(D) a certification establishing that the
26	conflict of interest requirements in the regula-

1	tions promulgated under this title have been
2	complied with;
3	(E) any other information that the Sec-
4	retary requires to determine the quantity of
5	greenhouse gas emission reduction or avoidance,
6	or sequestration of greenhouse gases, resulting
7	from the offset practice and project; and
8	(F) any other information that the Sec-
9	retary considers to be necessary to achieve the
10	purposes of this title.
11	(c) Verifier Accreditation.—
12	(1) In general.—As part of the regulations
13	promulgated under this title, the Secretary shall es-
14	tablish a process and requirements for periodic ac-
15	creditation of third-party verifiers for offset credits
16	under this program to ensure that those verifiers are
17	professionally qualified and have no conflicts of in-
18	terest.
19	(2) Public Accessibility.—Each verifier
20	meeting the requirements for accreditation in ac-
21	cordance with this subsection shall be listed in a
22	publicly accessible database, which shall be main-
23	tained and updated by the Secretary.

SEC. 507. CERTIFICATION OF OFFSET CREDITS.

- 2 (a) Determination and Notification.—Not later
- 3 than 90 days after receiving a complete verification report,
- 4 the Secretary shall—
- 5 (1) make a determination of the quantity of
- 6 greenhouse gas emissions that have been reduced or
- 7 avoided, or greenhouse gases that have been seques-
- 8 tered, by the offset practice in an approved and
- 9 verified offset project plan; and
- 10 (2) notify the offset project developer in writing
- of the determination.
- 12 (b) Issuance of Offset Credits.—The Secretary
- 13 shall issue 1 offset credit to an offset project developer
- 14 for each ton of carbon dioxide equivalent that the Sec-
- 15 retary determines has been reduced, avoided, or seques-
- 16 tered during the crediting period. Offset credits may be
- 17 issued only for greenhouse gas emissions reduced, avoided,
- 18 or sequestered after January 1, 2009.
- 19 (c) Appeal.—The Secretary shall establish proce-
- 20 dures for appeal and review of determinations made under
- 21 subsection (a).
- 22 (d) Timing.—Offset credits meeting the criteria de-
- 23 scribed in subsection (b) shall be issued by the Secretary
- 24 not later than 14 days after the date on which the Sec-
- 25 retary makes a determination under subsection (a).

1	(e) Registration.—The Secretary shall obtain from
2	the Administrator a unique serial number to allow for the
3	registration of each offset credit to be issued under this
4	title.
5	SEC. 508. OWNERSHIP AND TRANSFER OF OFFSET CREDITS.
6	(a) Ownership.—Initial ownership of an offset cred-
7	it shall lie with the offset project developer, unless other-
8	wise specified in a legally binding contract or agreement.
9	(b) Transferability.—An offset credit issued
10	under this title may be sold, traded, or transferred, unless
11	the offset credit has expired or been retired.
12	SEC. 509. PROGRAM REVIEW AND REVISION.
13	At least once every 5 years, the Secretary shall review
14	and, based on new or updated information and taking into
15	consideration the recommendations of the Advisory Board,
16	update and revise—
17	(1) the list of eligible practice types established
18	under section 503;
19	(2) the methodologies established, including
20	specific activity baselines, under section 504(a);
21	(3) the reversal requirements and mechanisms
22	established or prescribed under subsections (c) and
23	(d) of section 504;
24	(4) measures to improve the accountability of
25	the offsets program; and

1	(5) any other requirements established under
2	this title to ensure the environmental integrity and
3	effective operation of this title.
4	SEC. 510. ENVIRONMENTAL CONSIDERATIONS.
5	If the Secretary lists forestry practices as eligible off-
6	set practice types under section 503, the Secretary, in con-
7	sultation with appropriate Federal agencies, shall promul-
8	gate regulations for the selection and use of species in for-
9	estry and other relevant land management-related offset
10	practices—
11	(1) to ensure that native species are given pri-
12	mary consideration in such practices;
13	(2) to encourage the conservation of biological
14	diversity in such practices;
15	(3) to prohibit the use of federally designated
16	or State-designated noxious weeds;
17	(4) to prohibit the use of a species listed by a
18	regional or State invasive plant authority within the
19	applicable region or State; and
20	(5) in accordance with widely accepted, environ-
21	mentally sustainable forestry practices.
22	SEC. 511. AUDITS.
23	(a) Audits Required.—The Secretary shall con-
24	duct, on an annual basis, random audits of offset projects,
25	offset credits, and the practices of third-party verifiers. At

1	a minimum, the Secretary shall conduct audits each year
2	for a representative sample of practice types and geo-
3	graphical areas.
4	(b) Additional Authority.—Nothing in this sec-
5	tion prevents the Secretary from conducting any audit the
6	Secretary considers to be necessary.
7	Subtitle B—USDA Greenhouse Gas
8	Emission Reduction and Seques-
9	tration Advisory Committee
10	SEC. 531. ESTABLISHMENT OF USDA GREENHOUSE GAS
11	EMISSION REDUCTION AND SEQUESTRATION
12	ADVISORY COMMITTEE.
13	Section 1245 of the Food Security Act of 1985 (16
14	U.S.C. 3854), as added by section 2709 of the Food, Con-
15	servation, and Energy Act of 2008 (Public Law 110–246;
16	122 Stat. 1809), is amended by adding at the end the
17	following new subsection:
18	"(f) USDA GREENHOUSE GAS EMISSION REDUC-
19	TION AND SEQUESTRATION ADVISORY COMMITTEE.—
20	"(1) Establishment.—Not later than 30 days
21	after the date of the enactment of the American
22	Clean Energy and Security Act of 2009, the Sec-
23	retary shall establish an independent advisory com-
24	mittee, to be known as the 'USDA Greenhouse Gas
25	Emission Reduction and Sequestration Advisory

1	Committee', to provide scientific and technical advice
2	on establishing, implementing, and ensuring the
3	overall environmental integrity of an offset program
4	for domestic agricultural and forestry practices that
5	reduce or avoid greenhouse gas emissions, or seques-
6	ter greenhouse gases.
7	"(2) Membership.—The Advisory Committee
8	shall be comprised of nine members, including a
9	chairperson and vice-chairperson, appointed by the
10	Secretary. Each member shall be qualified by edu-
11	cation, training, and experience to evaluate scientific
12	and technical information for domestic agricultural
13	and forestry offset practices that reduce or avoid
14	greenhouse gas emissions or sequester greenhouse
15	gases.
16	"(3) Terms.—Terms shall be 3 years in length,
17	except for the initial terms, which may be up to 5
18	years in length to allow staggered terms. Members
19	may be reappointed only once for an additional 3-
20	year term, and such term may follow directly after
21	a first term.
22	"(4) Duties.—The Advisory Committee
23	shall—
24	"(A) provide options and recommenda-
25	tions, not later than 180 days after the date of

1	the enactment of the American Clean Energy
2	and Security Act of 2009, to the Secretary re-
3	garding the establishment of methodologies as
4	described in section 504 of such Act, taking
5	into account relevant scientific information, in-
6	cluding—
7	"(i) the availability of representative
8	data for use in developing an activity base-
9	line for a land area, forest, soil, industry
10	sector, and facility type;
11	"(ii) the potential for accurate
12	quanitification of greenhouse gas reduc-
13	tion, or sequestration for an offset practice
14	type;
15	"(iii) the potential level of scientific
16	and measurement uncertainty associated
17	with an offset practice type; and
18	"(iv) the use of practice methodologies
19	that account for common practice or other
20	direct comparisons within a relevant land
21	area, industry sector, forest, soil, or facility
22	type;
23	"(B) make available to the Secretary op-
24	tions and recommendations for the program as
25	a whole and on offset methodologies for each

1	practice type that should be considered under
2	regulations promulgated pursuant to section
3	504 of the American Clean Energy and Secu-
4	rity Act of 2009, including methodologies to ad-
5	dress the issues of additionality, activity base-
6	lines, measurement, leakage, including the ap-
7	plication of sector specific leakage factors, un-
8	certainty, permanence, and environmental in-
9	tegrity;
10	"(C) make available to the Secretary ad-
11	vice and comment on areas where further
12	knowledge is required to appraise the adequacy
13	of existing, revised, or proposed methodologies
14	and describe the research efforts necessary to
15	provide the required information;
16	"(D) make available to the Secretary ad-
17	vice and comments on other ways to improve or
18	safeguard the environmental integrity of the
19	offset practice types listed under section 503 of
20	the American Clean Energy and Security Act of
21	2009; and
22	"(E) provide options and recommendations
23	regarding new practice types.
24	"(5) Scientific review of offset pro-
25	GRAM.—Not later than January 1, 2017, and at 5-

1	year intervals thereafter, the Advisory Committee
2	shall—
3	"(A) submit to the Secretary and make
4	available to the public an analysis of relevant
5	scientific and technical information regarding
6	agricultural and forestry offset practices that
7	reduce or avoid greenhouse gas emissions or se-
8	quester greenhouse gases;
9	"(B) review approved and potential prac-
10	tice types, methodologies, scientific studies, off-
11	set project monitoring, offset project
12	verification reports, reporting of reversals, au-
13	dits related to the offset program, and other
14	relevant information needed to evaluate the off-
15	set program;
16	"(C) evaluate the net emission effects of
17	implemented offset projects; and
18	"(D) recommend changes to offset meth-
19	odologies, procedures, practice types, or the
20	overall program to ensure that—
21	"(i) the offset practices result in re-
22	duced or avoided greenhouse gas emissions
23	or sequestration of greenhouse gases;
24	"(ii) the offset credits issued by the
25	Secretary do not compromise the integrity

1	of the annual emissions reductions estab-
2	lished under section 703 of the Clean Air
3	Act; and
4	"(iii) the offset program avoids or
5	minimizes adverse affects to human health
6	and the environment.
7	"(6) COORDINATION.—To avoid duplication, the
8	Advisory Committee shall coordinate its activities
9	with those of any other Federal advisory committees
10	working in related areas, and shall to the maximum
11	extent possible use research data and services of the
12	research, education, extension agencies of the De-
13	partment of Agriculture.
14	"(7) Consultation.—On a periodic basis, the
15	Advisory Committee shall consult with, and be in-
16	formed by the views of, the Offsets Integrity Advi-
17	sory Board established under section 731 of the
18	Clean Air Act.
19	"(8) Meeting.—The Advisory Committee shall
20	meet on at least a quarterly basis each year.
21	"(9) Administrative support and fund-
22	ING.—The Secretary may provide such administra-
23	tive and funding support as necessary to enable the
24	Advisory Committee to carry out its duties under
25	this section.

1	"(10) Report.—For each fiscal year, the Sec-
2	retary shall submit to Congress a report on—
3	"(A) the status and progress on the offset
4	practices;
5	"(B) the general status of cooperation and
6	research and development; and
7	"(C) the plans for addressing future issues
8	and concerns.".
9	Subtitle C—Miscellaneous
10	SEC. 551. INTERNATIONAL INDIRECT LAND USE CHANGES.
11	Section 211(o) of the Clean Air Act (42 U.S.C.
12	7545(o)) is amended by adding at the end the following
13	"(13) International indirect land use
14	CHANGES.—
15	"(A) Exclusion from regulatory re-
16	QUIREMENTS REGARDING LIFECYCLE GREEN-
17	HOUSE GAS EMISSIONS.—Notwithstanding the
18	definition of 'lifecycle greenhouse gas emissions'
19	in paragraph (1)(H), for purposes of deter-
20	mining whether the fuel meets a definition in
21	paragraph (1) or complies with paragraph
22	(2)(A)(i), the Administrator shall exclude emis-
23	sions from indirect land use changes outside the
24	renewable fuel's feedstock's country of origin.

1	"(B) NATIONAL ACADEMIES OF SCIENCE
2	REPORT.—(i) Not later than 6 months after the
3	date of enactment of this paragraph, the Ad-
4	ministrator and the Secretary of Agriculture
5	shall jointly arrange for the National Academies
6	of Science to review and report on specified
7	issues related to indirect greenhouse gas emis-
8	sions related to transportation fuels.
9	"(ii) The report shall evaluate and report
10	on whether there are economic and environ-
11	mental models and methodologies that individ-
12	ually, or as a system, can project with reli-
13	ability, predictability, and confidence—
14	"(I) for purposes of determining
15	whether the fuel meets a definition in
16	paragraph (1) or complies with paragraph
17	(2)(A)(i), indirect land use changes that
18	are related to the production of renewable
19	fuels and that may occur outside the coun-
20	try in which the feedstocks are grown, and
21	the impacts of these changes on green-
22	house gas emissions; and
23	"(II) indirect effects, both domestic
24	and international, related to the production
25	and importation of non-renewable trans-

1	portation fuels that have significant green-
2	house gas emissions, and the impact of
3	these effects on greenhouse gas emissions.
4	"(iii) The report shall include a review and
5	assessment of all pertinent scientific studies,
6	methodologies and data, shall evaluate potential
7	methodologies for calculating such emissions
8	(including an evaluation of methods for
9	annualizing emissions associated with forest
10	degradation or land conversion), and shall make
11	appropriate recommendations. The rec-
12	ommendations shall address indirect effects,
13	both domestic and international, related to the
14	production and importation of non-renewable
15	transportation fuels that have significant green-
16	house gas emissions. The report shall use ap-
17	propriate validation procedures, including sensi-
18	tivity analyses, of how results change as as-
19	sumptions change. The evaluation shall include
20	for a model, a methodology, or a system of
21	models—
22	"(I) an assessment of how reliably the
23	models, methodologies, or systems track
24	actual outcomes over historical periods
25	using available historical data; and

1	"(II) an assessment of how reliably
2	the models, methodologies or systems will
3	project future outcomes.
4	"(iv) The report shall be publicly available
5	and shall include sufficient information and
6	data such that economists and other scientists
7	with relevant expertise that are not on the Na-
8	tional Academies of Science panel can fully
9	evaluate the conclusions of the report.
10	"(v) The report shall be completed within
11	three years of the date of enactment of this
12	paragraph.
13	"(C) Determination.—(i) The Adminis-
14	trator and the Secretary of Agriculture shall,
15	after notice and an opportunity for public com-
16	ment, determine whether, for purposes of deter-
17	mining compliance with the percent reductions
18	in lifecycle greenhouse gas emissions specified
19	in paragraph (1) for various renewable fuels,
20	scientifically valid models and methodologies
21	exist to project indirect land use changes that
22	are related to the production of renewable fuels
23	and that occur outside the country in which the
24	feedstocks are grown, and the impact of these
25	changes on greenhouse gas emissions.

1	"(ii) The determination shall take into ac-
2	count the findings and recommendations of the
3	report required under subparagraph (B), as
4	well as other available scientific, economic, and
5	other relevant information. The Administrator
6	and the Secretary may also consider methods
7	used by the Environmental Protection Agency,
8	the Department of Agriculture, and other Fed-
9	eral agencies to assess or guide their related
10	policies.
11	"(iii) The Administrator and the Secretary
12	of Agriculture shall publish a proposed deter-
13	mination not later than 4 years after date of
14	enactment of this paragraph, and shall publish
15	a final determination not later than 5 years
16	after date of enactment of this paragraph. An
17	explanation and justification of the determina-
18	tion shall be included in the proposed and final
19	actions, together with a response to comments
20	received.
21	"(D) Response to Determination.—(i)
22	In the event of a positive determination under
23	subparagraph (C), the Administrator and the
24	Secretary of Agriculture shall, after notice and
25	an opportunity for public comment, by the same

1	date jointly establish a methodology (or meth-
2	odologies) to calculate greenhouse gas emissions
3	from indirect land use changes that are attrib-
4	utable to the production of renewable fuels and
5	that occur outside the country in which feed-
6	stocks are grown for purposes of calculating a
7	renewable fuel's lifecycle greenhouse gas emis-
8	sions to determine whether the fuel meets a def-
9	inition in paragraph (1) or complies with para-
10	graph (2)(A)(i). The exclusion in subparagraph
11	(A) shall end, and the Administrator shall issue
12	a regulation by the same date that shall include
13	emissions from indirect land use changes out-
14	side the renewable fuel's feedstock's country of
15	origin for purposes of calculating a renewable
16	fuel's lifecycle greenhouse gas emissions to de-
17	termine whether the fuel meets a definition in
18	paragraph (1) or complies with paragraph
19	(2)(A)(i) for renewable fuels sold in the cal-
20	endar year following the year of the positive de-
21	termination. The effective date of the regulation
22	shall be six years after the date of enactment
23	of this paragraph.

1	"(ii) A negative determination under sub-
2	paragraph (C) shall include a statement of the
3	basis for the determination.
4	"(E) ACCOUNTABILITY.—The joint duties
5	and actions of the Administrator and the Sec-
6	retary of Agriculture shall be subject to sections
7	304 and 307 of this Act as if they were the du-
8	ties and actions of the Administrator alone.".
9	SEC. 552. BIOMASS-BASED DIESEL.
10	Section 211(o)(2)(A) of the Clean Air Act (42 U.S.C.
11	7545(o)(2)(A)) is amended by adding at the end the fol-
12	lowing new clause:
13	"(v) Grandfathering biomass-
14	BASED DIESEL.—The Administrator shall
15	promulgate regulations exempting from the
16	lifecycle greenhouse gas requirements in
17	subparagraphs (B) and (D) of paragraph
18	(1) up to the greater of 1 billion gallons or
19	the volume mandate adopted pursuant to
20	subparagraph (B)(ii) of biomass-based die-
21	sel annually from facilities that commenced
22	construction before the date of enactment
23	of the Energy Independence and Security
24	Act of 2007.".

1	SEC. 553. MODIFICATION OF DEFINITION OF RENEWABLE
2	BIOMASS.
3	(a) National Academy of Science Report.—Not
4	later than 1 year after the date of enactment of this Act,
5	the Administrator of the Environmental Protection Agen-
6	cy, the Secretary of Agriculture, and the Federal Energy
7	Regulatory Commission shall jointly arrange for the Na-
8	tional Academy of Sciences to evaluate how sources of re-
9	newable biomass contribute to the goals of increasing
10	America's energy independence, protecting the environ-
11	ment, and reducing global warming pollution.
12	(b) Modification.—
13	(1) EPA MODIFICATION AUTHORITY.—After re-
14	viewing the report required by subsection (a), the
15	Administrator of the Environmental Protection
16	Agency, in concurrence with the Secretary of Agri-
17	culture, may, by regulation and after public notice
18	and comment, modify the non-Federal lands portion
19	of the definition of "renewable biomass" in sections
20	211(o)(1)(I) and 700 of the Clean Air Act in order
21	to advance the goals of increasing America's energy
22	independence, protecting the environment, and re-
23	ducing global warming pollution.
24	(2) FERC MODIFICATION AUTHORITY.—After
25	reviewing the report required by subsection (a), the
26	Federal Energy Regulatory Commission, in concur-

rence with the Secretary of Agriculture, may, by reg-1 2 ulation and after public notice and comment, modify the non-Federal lands portion of the definition of 3 "renewable biomass" in section 610 of the Public 4 Utility Regulatory Policies Act of 1978 in order to 5 advance the goals of increasing America's energy 6 independence, protecting the environment, and re-7 ducing global warming pollution. 8

