AMENDMENT TO H.R. 3826 OFFERED BY MR. YARMUTH OF KENTUCKY

In section 4, strike paragraphs (1), (2), and (3) (and make such conforming changes as may be necessary).

Strike section 2 and insert the following:

1	SEC. 2. CARBON CAPTURE AND SEQUESTRATION DEM-
2	ONSTRATION AND EARLY DEPLOYMENT PRO-
3	GRAM.
4	(a) Definitions.—For purposes of this section:
5	(1) Secretary.—The term "Secretary" means
6	the Secretary of Energy.
7	(2) Distribution utility.—The term "dis-
8	tribution utility" means an entity that distributes
9	electricity directly to retail consumers under a legal,
10	regulatory, or contractual obligation to do so.
11	(3) Electric utility.—The term "electric
12	utility" has the meaning provided by section 3(22)
13	of the Federal Power Act (16 U.S.C. 796(22)).
14	(4) Fossil fuel-based electricity.—The
15	term "fossil fuel-based electricity" means electricity
16	that is produced from the combustion of fossil fuels.

1	(5) Fossil fuel.—The term "fossil fuel"
2	means coal, petroleum, natural gas or any derivative
3	of coal, petroleum, or natural gas.
4	(6) Corporation.—The term "Corporation"
5	means the Carbon Storage Research Corporation es-
6	tablished in accordance with this section.
7	(7) QUALIFIED INDUSTRY ORGANIZATION.—The
8	term "qualified industry organization" means the
9	Edison Electric Institute, the American Public
10	Power Association, the National Rural Electric Co-
11	operative Association, a successor organization of
12	such organizations, or a group of owners or opera-
13	tors of distribution utilities delivering fossil fuel-
14	based electricity who collectively represent at least
15	20 percent of the volume of fossil fuel-based elec-
16	tricity delivered by distribution utilities to consumers
17	in the United States.
18	(8) Retail consumer.—The term "retail con-
19	sumer' means an end-user of electricity.
20	(b) CARBON STORAGE RESEARCH CORPORATION.—
21	(1) Establishment.—
22	(A) Referendum.—Qualified industry or-
23	ganizations may conduct, at their own expense,
24	a referendum among the owners or operators of
25	distribution utilities delivering fossil fuel-based

1 electricity for the creation of a Carbon Storage 2 Research Corporation. Such referendum shall be conducted by an independent auditing firm 3 4 agreed to by the qualified industry organiza-5 tions. Voting rights in such referendum shall be 6 based on the quantity of fossil fuel-based elec-7 tricity delivered to consumers in the previous 8 calendar year or other representative period as 9 determined by the Secretary pursuant to sub-10 section (f). Upon approval of those persons rep-11 resenting two-thirds of the total quantity of fos-12 sil fuel-based electricity delivered to retail consumers, the Corporation shall be established un-13 14 less opposed by the State regulatory authorities 15 pursuant to subparagraph (B). All distribution 16 utilities voting in the referendum shall certify to 17 the independent auditing firm the quantity of 18 fossil fuel-based electricity represented by their 19 vote. 20 (B) STATE REGULATORY AUTHORITIES.— 21 Upon its own motion or the petition of a quali-22 fied industry organization, each State regu-23 latory authority shall consider its support or op-24 position to the creation of the Corporation

under subparagraph (A). State regulatory au-

1	thorities may notify the independent auditing
2	firm referred to in subparagraph (A) of their
3	views on the creation of the Corporation within
4	180 days after the date of enactment of this
5	Act. If 40 percent or more of the State regu-
6	latory authorities submit to the independent au-
7	diting firm written notices of opposition, the
8	Corporation shall not be established notwith-
9	standing the approval of the qualified industry
10	organizations as provided in subparagraph (A).
11	(2) Termination.—The Corporation shall be
12	authorized to collect assessments and conduct oper-
13	ations pursuant to this section for a 10-year period
14	from the date 6 months after the date of enactment
15	of this Act. After such 10-year period, the Corpora-
16	tion is no longer authorized to collect assessments
17	and shall be dissolved on the date 15 years after
18	such date of enactment, unless the period is ex-
19	tended by an Act of Congress.
20	(3) GOVERNANCE.—The Corporation shall oper-
21	ate as a division or affiliate of the Electric Power
22	Research Institute (referred to in this section as
23	"EPRI") and be managed by a Board of not more
24	than 15 voting members responsible for its oper-
25	ations, including compliance with this section. EPRI,

1	in consultation with the Edison Electric Institute,
2	the American Public Power Association and the Na-
3	tional Rural Electric Cooperative Association shall
4	appoint the Board members under clauses (i), (ii),
5	and (iii) of subparagraph (A) from among can-
6	didates recommended by those organizations. At
7	least a majority of the Board members appointed by
8	EPRI shall be representatives of distribution utilities
9	subject to assessments under subsection (d).
10	(A) Members.—The Board shall include
11	at least one representative of each of the fol-
12	lowing:
13	(i) Investor-owned utilities.
14	(ii) Utilities owned by a State agency,
15	a municipality, and an Indian tribe.
16	(iii) Rural electric cooperatives.
17	(iv) Fossil fuel producers.
18	(v) Nonprofit environmental organiza-
19	tions.
20	(vi) Independent generators or whole-
21	sale power providers.
22	(vii) Consumer groups.
23	(B) Nonvoting members.—The Board
24	shall also include as additional nonvoting Mem-
25	bers the Secretary of Energy or his designee

1	and 2 representatives of State regulatory au-
2	thorities as defined in section 3(17) of the Pub-
3	lic Utility Regulatory Policies Act of 1978 (16
4	U.S.C. 2602(17)), each designated by the Na-
5	tional Association of State Regulatory Utility
6	Commissioners from States that are not within
7	the same transmission interconnection.
8	(4) Compensation.—Corporation Board mem-
9	bers shall receive no compensation for their services,
10	nor shall Corporation Board members be reimbursed
11	for expenses relating to their service.
12	(5) Terms.—Corporation Board members shall
13	serve terms of 4 years and may serve not more than
14	2 full consecutive terms. Members filling unexpired
15	terms may serve not more than a total of 8 consecu-
16	tive years. Former members of the Corporation
17	Board may be reappointed to the Corporation Board
18	if they have not been members for a period of 2
19	years. Initial appointments to the Corporation Board
20	shall be for terms of 1, 2, 3, and 4 years, staggered
21	to provide for the selection of 3 members each year.
22	(6) Status of Corporation.—The Corpora-
23	tion shall not be considered to be an agency, depart-
24	ment, or instrumentality of the United States, and
25	no officer or director or employee of the Corporation

1	shall be considered to be an officer or employee of
2	the United States Government, for purposes of title
3	5 or title 31 of the United States Code, or for any
4	other purpose, and no funds of the Corporation shall
5	be treated as public money for purposes of chapter
6	33 of title 31, United States Code, or for any other
7	purpose.
8	(c) Functions and Administration of the Cor-
9	PORATION.—
10	(1) In General.—The Corporation shall estab-
11	lish and administer a program to accelerate the de-
12	ployment of carbon dioxide capture and storage
13	technologies and methods, including technologies
14	which capture and store, or capture and convert,
15	carbon dioxide. Under such program competitively
16	awarded grants, contracts, and financial assistance
17	shall be provided and entered into with eligible enti-
18	ties. Except as provided in paragraph (7), the Cor-
19	poration shall use all funds derived from assess-
20	ments under subsection (d) to issue grants and con-
21	tracts to eligible entities.
22	(2) Purpose.—The purposes of the grants,
23	contracts, and assistance under this subsection shall
24	be to support commercial-scale deployment of carbon
25	capture or storage technology projects. Such projects

should encompass a range of different coal and other fossil fuel varieties, be geographically diverse, involve diverse storage media, and employ capture or storage, or capture and conversion, technologies potentially suitable either for new or for retrofit applications. The Corporation shall seek, to the extent feasible, to support at least 5 commercial-scale demonstration projects integrating carbon capture and sequestration or conversion technologies.

- (3) ELIGIBLE ENTITIES.—Entities eligible for grants, contracts or assistance under this subsection shall be a new source (as defined in section 5) (including a proposed new source) that is a fossil fuel-fired electric utility generating unit, or a consortium including such a new source. Pilot-scale and similar small-scale projects are not eligible for support by the Corporation. Owners or developers of projects supported by the Corporation shall, where appropriate, share in the costs of such projects.
- (4) ADMINISTRATION.—The members of the Board of Directors of the Corporation shall elect a Chairman and other officers as necessary, may establish committees and subcommittees of the Corporation, and shall adopt rules and bylaws for the conduct of business and the implementation of this

1 section. The Board shall appoint an Executive Di-2 rector and professional support staff who may be 3 employees of the Electric Power Research Institute (EPRI). After consultation with the Technical Advi-5 sory Committee established under subsection (j), the 6 Secretary, and the Director of the National Energy 7 Technology Laboratory to obtain advice and rec-8 ommendations on plans, programs, and project selec-9 tion criteria, the Board shall establish priorities for 10 grants, contracts, and assistance; publish requests 11 for proposals for grants, contracts, and assistance; 12 and award grants, contracts, and assistance competi-13 tively, on the basis of merit, after the establishment 14 of procedures that provide for scientific peer review 15 by the Technical Advisory Committee. The Board 16 shall give preference to applications that reflect the 17 best overall value and prospect for achieving the 18 purposes of the section, such as those which dem-19 onstrate an integrated approach for capture and 20 storage or capture and conversion technologies. The 21 Board members shall not participate in making 22 grants or awards to entities with whom they are af-23 filiated. 24 (5) Uses of grants, contracts, and assist-25 ANCE.—A grant, contract, or other assistance pro-

- 1 vided under this subsection may be used to purchase 2 carbon dioxide when needed to conduct tests of car-3 bon dioxide storage sites, in the case of established projects that are storing carbon dioxide emissions, or 5 for other purposes consistent with the purposes of 6 this section. The Corporation shall make publicly 7 available at no cost information learned as a result 8 of projects which it supports financially. 9 INTELLECTUAL PROPERTY.—The Board 10 shall establish policies regarding the ownership of in-11 tellectual property developed as a result of Corpora-12 tion grants and other forms of technology support. 13 Such policies shall encourage individual ingenuity 14 and invention. 15 (7) Administrative expenses.—Up to 5 per-16 cent of the funds collected in any fiscal year under 17 subsection (d) may be used for the administrative 18 expenses of operating the Corporation (not including 19 costs incurred in the determination and collection of 20 the assessments pursuant to subsection (d)). 21 (8) Programs and Budget.—Before August 1 22
 - (8) Programs and Budget.—Before August 1 each year, the Corporation, after consulting with the Technical Advisory Committee and the Secretary and the Director of the Department's National Energy Technology Laboratory and other interested

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parties to obtain advice and recommendations, shall publish for public review and comment its proposed plans, programs, project selection criteria, and projects to be funded by the Corporation for the next calendar year. The Corporation shall also publish for public review and comment a budget plan for the next calendar year, including the probable costs of all programs, projects, and contracts and a recommended rate of assessment sufficient to cover such costs. The Secretary may recommend programs and activities the Secretary considers appropriate. The Corporation shall include in the first publication it issues under this paragraph a strategic plan or roadmap for the achievement of the purposes of the Corporation, as set forth in paragraph (2).

(9) Records; Audits.—The Corporation shall keep minutes, books, and records that clearly reflect all of the acts and transactions of the Corporation and make public such information. The books of the Corporation shall be audited by a certified public accountant at least once each fiscal year and at such other times as the Corporation may designate. Copies of each audit shall be provided to the Congress, all Corporation board members, all qualified industry organizations, each State regulatory authority

1 and, upon request, to other members of the industry. 2 If the audit determines that the Corporation's prac-3 tices fail to meet generally accepted accounting prin-4 ciples the assessment collection authority of the Cor-5 poration under subsection (d) shall be suspended 6 until a certified public accountant renders a subsequent opinion that the failure has been corrected. 7 8 The Corporation shall make its books and records 9 available for review by the Secretary or the Comp-10 troller General of the United States. 11 (10)Public ACCESS.—The Corporation 12 Board's meetings shall be open to the public and 13 shall occur after at least 30 days advance public no-14 tice. Meetings of the Board of Directors may be 15 closed to the public where the agenda of such meet-16 ings includes only confidential matters pertaining to 17 project selection, the award of grants or contracts, 18 personnel matters, or the receipt of legal advice. The 19 minutes of all meetings of the Corporation shall be 20 made available to and readily accessible by the pub-21 lic. 22 (11) Annual Report.—Each year the Cor-23 poration shall prepare and make publicly available a 24 report which includes an identification and descrip-25 tion of all programs and projects undertaken by the

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1 Corporation during the previous year. The report 2 shall also detail the allocation or planned allocation 3 of Corporation resources for each such program and project. The Corporation shall provide its annual re-5 port to the Congress, the Secretary, each State regu-6 latory authority, and upon request to the public. The Secretary shall, not less than 60 days after receiving 7 8 such report, provide to the President and Congress 9 a report assessing the progress of the Corporation in 10 meeting the objectives of this section.

(d) Assessments.—

(1) AMOUNT.—(A) In all calendar years following its establishment, the Corporation shall collect an assessment on distribution utilities for all fossil fuel-based electricity delivered directly to retail consumers (as determined under subsection (f)). The assessments shall reflect the relative carbon dioxide emission rates of different fossil fuel-based electricity, and initially shall be not less than the following amounts for coal, natural gas, and oil:

Fuel type	Rate of assessment	
	per kilowatt hour	
Coal	\$0.00043	
Natural Gas	\$0.00022	
Oil	\$0.00032.	

21 (B) The Corporation is authorized to adjust the 22 assessments on fossil fuel-based electricity to reflect

- changes in the expected quantities of such electricity from different fuel types, such that the assessments generate not less than \$1.0 billion and not more than \$1.1 billion annually. The Corporation is authorized to supplement assessments through additional financial commitments.
 - (2) Investment of funds.—Pending disbursement pursuant to a program, plan, or project, the Corporation may invest funds collected through assessments under this subsection, and any other funds received by the Corporation, only in obligations of the United States or any agency thereof, in general obligations of any State or any political subdivision thereof, in any interest-bearing account or certificate of deposit of a bank that is a member of the Federal Reserve System, or in obligations fully guaranteed as to principal and interest by the United States.
 - (3) REVERSION OF UNUSED FUNDS.—If the Corporation does not disburse, dedicate or assign 75 percent or more of the available proceeds of the assessed fees in any calendar year 7 or more years following its establishment, due to an absence of qualified projects or similar circumstances, it shall reimburse the remaining undedicated or unassigned bal-

1	ance of such fees, less administrative and other ex-
2	penses authorized by this section, to the distribution
3	utilities upon which such fees were assessed, in pro-
4	portion to their collected assessments.
5	(e) ERCOT.—
6	(1) Assessment, collection, and remit-
7	TANCE.—(A) Notwithstanding any other provision of
8	this section, within ERCOT, the assessment pro-
9	vided for in subsection (d) shall be—
10	(i) levied directly on qualified scheduling
11	entities, or their successor entities;
12	(ii) charged consistent with other charges
13	imposed on qualified scheduling entities as a fee
14	on energy used by the load-serving entities; and
15	(iii) collected and remitted by ERCOT to
16	the Corporation in the amounts and in the
17	same manner as set forth in subsection (d).
18	(B) The assessment amounts referred to in sub-
19	paragraph (A) shall be—
20	(i) determined by the amount and types of
21	fossil fuel-based electricity delivered directly to
22	all retail customers in the prior calendar year
23	beginning with the year ending immediately
24	prior to the period described in subsection
25	(b)(2); and

1	(ii) take into account the number of renew-
2	able energy credits retired by the load-serving
3	entities represented by a qualified scheduling
4	entity within the prior calendar year.
5	(2) Administration expenses.—Up to 1 per-
6	cent of the funds collected in any fiscal year by
7	ERCOT under the provisions of this subsection may
8	be used for the administrative expenses incurred in
9	the determination, collection and remittance of the
10	assessments to the Corporation.
11	(3) AUDIT.—ERCOT shall provide a copy of its
12	annual audit pertaining to the administration of the
13	provisions of this subsection to the Corporation.
14	(4) Definitions.—For the purposes of this
15	subsection:
16	(A) The term "ERCOT" means the Elec-
17	tric Reliability Council of Texas.
18	(B) The term "load-serving entities" has
19	the meaning adopted by ERCOT Protocols and
20	in effect on the date of enactment of this Act.
21	(C) The term "qualified scheduling enti-
22	ties" has the meaning adopted by ERCOT Pro-
23	tocols and in effect on the date of enactment of
24	this Act.

1	(D) The term "renewable energy credit"
2	has the meaning as promulgated and adopted
3	by the Public Utility Commission of Texas pur-
4	suant to section 39.904(b) of the Public Utility
5	Regulatory Act of 1999, and in effect on the
6	date of enactment of this Act.
7	(f) Determination of Fossil Fuel-based Elec-
8	TRICITY DELIVERIES.—
9	(1) FINDINGS.—The Congress finds that:
10	(A) The assessments under subsection (d)
11	are to be collected based on the amount of fossil
12	fuel-based electricity delivered by each distribu-
13	tion utility.
14	(B) Since many distribution utilities pur-
15	chase all or part of their retail consumer's elec-
16	tricity needs from other entities, it may not be
17	practical to determine the precise fuel mix for
18	the power sold by each individual distribution
19	utility.
20	(C) It may be necessary to use average
21	data, often on a regional basis with reference to
22	Regional Transmission Organization ("RTO")
23	or NERC regions, to make the determinations
24	necessary for making assessments.

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(2) DOE PROPOSED RULE.—The Secretary, acting in close consultation with the Energy Information Administration, shall issue for notice and comment a proposed rule to determine the level of fossil fuel electricity delivered to retail customers by each distribution utility in the United States during the most recent calendar year or other period determined to be most appropriate. Such proposed rule shall balance the need to be efficient, reasonably precise, and timely, taking into account the nature and cost of data currently available and the nature of markets and regulation in effect in various regions of the country. Different methodologies may be applied in different regions if appropriate to obtain the best balance of such factors.

(3) Final rule.—Within 6 months after the date of enactment of this Act, and after opportunity for comment, the Secretary shall issue a final rule under this subsection for determining the level and type of fossil fuel-based electricity delivered to retail customers by each distribution utility in the United States during the appropriate period. In issuing such rule, the Secretary may consider opportunities and costs to develop new data sources in the future and issue recommendations for the Energy Informa-

- tion Administration or other entities to collect such data. After notice and opportunity for comment the Secretary may, by rule, subsequently update and modify the methodology for making such determinations.
 - (4) Annual determinations.—Pursuant to the final rule issued under paragraph (3), the Secretary shall make annual determinations of the amounts and types for each such utility and publish such determinations in the Federal Register. Such determinations shall be used to conduct the referendum under subsection (b) and by the Corporation in applying any assessment under this subsection.
 - (5) Rehearing and Judicial Review.—The owner or operator of any distribution utility that believes that the Secretary has misapplied the methodology in the final rule in determining the amount and types of fossil fuel electricity delivered by such distribution utility may seek rehearing of such determination within 30 days of publication of the determination in the Federal Register. The Secretary shall decide such rehearing petitions within 30 days. The Secretary's determinations following rehearing shall be final and subject to judicial review in the

1	United States Court of Appeals for the District of
2	Columbia.
3	(g) Compliance With Corporation Assess-
4	MENTS.—The Corporation may bring an action in the ap-
5	propriate court of the United States to compel compliance
6	with an assessment levied by the Corporation under this
7	section. A successful action for compliance under this sub-
8	section may also require payment by the defendant of the
9	costs incurred by the Corporation in bringing such action
10	(h) MIDCOURSE REVIEW.—Not later than 5 years
11	following establishment of the Corporation, the Comp-
12	troller General of the United States shall prepare an anal-
13	ysis, and report to Congress, assessing the Corporation's
14	activities, including project selection and methods of dis-
15	bursement of assessed fees, impacts on the prospects for
16	commercialization of carbon capture and storage tech-
17	nologies, adequacy of funding, and administration of
18	funds. The report shall also make such recommendations
19	as may be appropriate in each of these areas. The Cor-
20	poration shall reimburse the Government Accountability
21	Office for the costs associated with performing this mid-
22	course review.
23	(i) Recovery of Costs.—
24	(1) In general.—A distribution utility whose
25	transmission, delivery, or sales of electric energy are

- 1 subject to any form of rate regulation shall not be 2 denied the opportunity to recover the full amount of 3 the prudently incurred costs associated with com-4 plying with this section, consistent with applicable 5 State or Federal law. 6 (2) Ratepayer rebates.—Regulatory authori-7 ties that approve cost recovery pursuant to para-8 graph (1) may order rebates to ratepayers to the ex-9 distribution utilities are tent that reimbursed 10 undedicated or unassigned balances pursuant to sub-11 section (d)(3). 12 (j) Technical Advisory Committee.— 13 (1) Establishment.—There is established an 14 advisory committee, to be known as the "Technical 15 Advisory Committee". 16 Membership.—The Technical Advisory (2)17
 - Committee shall be comprised of not less than 7 members appointed by the Board from among academic institutions, national laboratories, independent research institutions, and other qualified institutions. No member of the Committee shall be affiliated with EPRI or with any organization having members serving on the Board. At least one member of the Committee shall be appointed from among officers or employees of the Department of Energy

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1	recommended to the Board by the Secretary of En-
2	ergy.
3	(3) Chairperson and vice chairperson.—
4	The Board shall designate one member of the Tech-
5	nical Advisory Committee to serve as Chairperson of
6	the Committee and one to serve as Vice Chairperson
7	of the Committee.
8	(4) Compensation.—The Board shall provide
9	compensation to members of the Technical Advisory
10	Committee for travel and other incidental expenses
11	and such other compensation as the Board deter-
12	mines to be necessary.
13	(5) Purpose.—The Technical Advisory Com-
14	mittee shall provide independent assessments and
15	technical evaluations, as well as make non-binding
16	recommendations to the Board, concerning Corpora-
17	tion activities, including but not limited to the fol-
18	lowing:
19	(A) Reviewing and evaluating the Corpora-
20	tion's plans and budgets described in subsection
21	(c)(8), as well as any other appropriate areas,
22	which could include approaches to prioritizing
23	technologies, appropriateness of engineering
24	techniques, monitoring and verification tech-

1	nologies for storage, geological site selection,
2	and cost control measures.
3	(B) Making annual non-binding rec-
4	ommendations to the Board concerning any of
5	the matters referred to in subparagraph (A), as
6	well as what types of investments, scientific re-
7	search, or engineering practices would best fur-
8	ther the goals of the Corporation.
9	(6) Public availability.—All reports, evalua-
10	tions, and other materials of the Technical Advisory
11	Committee shall be made available to the public by
12	the Board, without charge, at time of receipt by the
13	Board.
14	(k) Lobbying Restrictions.—No funds collected
15	by the Corporation shall be used in any manner for influ-
16	encing legislation or elections, except that the Corporation
17	may recommend to the Secretary and the Congress
18	changes in this section or other statutes that would fur-
19	ther the purposes of this section.
20	(l) Davis-Bacon Compliance.—The Corporation
21	shall ensure that entities receiving grants, contracts, or
22	other financial support from the Corporation for the
23	project activities authorized by this section are in compli-

ance with the Davis-Bacon Act (40 U.S.C. 276a–276a–
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