110TH CONGRESS 1ST SESSION

H. R. 1267

To develop a methodology for, and complete, a national assessment of geological storage capacity for carbon dioxide, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

March 1, 2007

Mr. Gordon of Tennessee introduced the following bill; which was referred to the Committee on Natural Resources

A BILL

To develop a methodology for, and complete, a national assessment of geological storage capacity for carbon dioxide, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE.
- 4 This Act may be cited as the "National Carbon Diox-
- 5 ide Storage Capacity Assessment Act of 2007".
- 6 SEC. 2. DEFINITIONS.
- 7 In this Act:
- 8 (1) Assessment.—The term "assessment"
- 9 means the national assessment of geological storage

- capacity for carbon dioxide completed under this

 Act.
- (2) CAPACITY; GEOLOGICAL STORAGE CAPACTTY.—The terms "capacity" and "geological storage
 capacity" mean the portion of a storage formation
 that can retain carbon dioxide under the parameters
 (including physical, geological, and economic parameters) established under the methodology developed
 under this Act.
 - (3) Engineered hazards.—The term "engineered hazards" includes the location and completion history of any well that could affect potential storage.
 - (4) RISK.—The term "risk" includes risks posed by geomechanical, geochemical, hydrogeological, structural, and engineered hazards.
 - (5) SECRETARY.—The term "Secretary" means the Secretary of the Interior, acting through the Director of the United States Geological Survey.
 - (6) Storage formation.—The term "storage formation" means a saline formation, unmineable coal seam, or oil or gas reservoir capable of accommodating a volume of carbon dioxide.

1	SEC. 3. METHODOLOGY FOR NATIONAL ASSESSMENT OF
2	GEOLOGICAL STORAGE CAPACITY FOR CAR-
3	BON DIOXIDE.
4	(a) In General.—Not later than 270 days after the
5	date of enactment of this Act, the Secretary shall develop
6	a methodology for conducting a national assessment of the
7	geological storage capacity for carbon dioxide.
8	(b) POTENTIAL STORAGE FORMATIONS.—In devel-
9	oping the methodology under this section, the Secretary
0	shall consider—
1	(1) the geographic extent of all potential stor-
2	age formations in each of the 50 States and the Dis-
3	trict of Columbia;
4	(2) the capacity of the potential storage forma-
5	tions;
6	(3) the injectivity of the potential storage for-
7	mations;
8	(4) an estimate of potential volumes of oil and
9	gas recoverable by injection and storage of industrial
20	carbon dioxide in potential storage formations; and
21	(5) the risk associated with the potential stor-
22	age formations.
23	(c) Coordination.—
24	(1) Federal coordination.—
25	(A) Consultation.—The Secretary shall
26	consult with the Secretary of Energy and the

- Administrator of the Environmental Protection
 Agency on issues of data sharing, format, development of the methodology, and content of the
 assessment required under this Act to ensure
 the maximum usefulness and success of the assessment.
 - (B) COOPERATION.—The Secretary of Energy and the Administrator of the Environmental Protection Agency shall cooperate with the Secretary to ensure, to the maximum extent practicable, the usefulness and success of the assessment.
 - (2) STATE COORDINATION.—The Secretary shall consult with State geological surveys and other relevant entities to ensure, to the maximum extent practicable, the usefulness and success of the assessment.
- 18 (d) Opportunity for Review and Comment.—
 19 During the period beginning on the date that is 270 days
 20 after the date of enactment of this Act and ending not
 21 less than 45 days, and not more than 90 days thereafter,
 22 the Secretary shall provide the heads of stakeholder Fed23 eral agencies, the heads of State land management agen24 cies, industry stakeholders, and the public with an oppor-

- 1 tunity to review and comment on the proposed method-
- 2 ology developed under subsection (a).
- 3 (e) Independent Verification.—During the pe-
- 4 riod described in subsection (d), the Secretary shall con-
- 5 vene a committee of subject matter experts composed of
- 6 representatives of Federal agencies, institutions of higher
- 7 education, nongovernmental organizations, State organi-
- 8 zations, industry, and international geoscience organiza-
- 9 tions to conduct a review of the methodology for capacity
- 10 and risk estimation required to carry out this section.
- 11 (f) Final Publication.—Not later than 90 days
- 12 after the period described in subsection (d), the Secretary
- 13 shall—
- 14 (1) publish in the Federal Register a descrip-
- tion of the final methodology to be used for con-
- ducting the national assessment of the geological
- storage capacity for carbon dioxide required under
- subsection (a), taking into account any comments
- received under subsection (d) and the methodology
- review conducted under subsection (e); and
- 21 (2) issue a public report that responds to the
- comments received under subsection (d) and the
- 23 methodology review under subsection (e).

1	SEC. 4. COMPLETION OF NATIONAL ASSESSMENT OF GEO-
2	LOGICAL STORAGE CAPACITY FOR CARBON
3	DIOXIDE.
4	(a) In General.—Not later than 2 years after the
5	date of final publication of the methodology, the Secretary
6	shall complete a national assessment of geological storage
7	capacity for carbon dioxide using the methodology devel-
8	oped under section 3.
9	(b) Database.—
10	(1) In general.—The Secretary shall establish
11	a database on the Internet accessible to the public
12	that provides the results of the assessment required
13	under this section, including a detailed description of
14	the data collected under the assessment.
15	(2) Data.—The database shall include the data
16	necessary to rank potential storage sites for capacity
17	and risk, across the United States, within each
18	State, by formation, and within each basin.
19	(c) Report.—
20	(1) In general.—Not later than 180 days
21	after the date on which the assessment required
22	under this section is completed, the Secretary shall
23	submit to the Congress and the President a report

that describes the findings of the assessment.

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- 1 (2) PUBLIC AVAILABILITY.—The Secretary 2 shall make the report required under this subsection 3 available on the Internet.
- 4 SEC. 5. AUTHORIZATION OF APPROPRIATIONS.
- 5 There are authorized to be appropriated to carry out
- 6 this Act \$20,000,000 for the period beginning on October
- 7 1 of the first full fiscal year after the date of enactment
- 8 of this Act and ending 4 years thereafter.

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