

109TH CONGRESS
1ST SESSION

S. 883

To direct the Secretary of State to carry out activities that promote the adoption of technologies that reduce greenhouse gas intensity in developing countries, while promoting economic development, and for other purposes.

IN THE SENATE OF THE UNITED STATES

APRIL 21, 2005

Mr. HAGEL (for himself, Mr. BYRD, Mr. ALEXANDER, Mr. PRYOR, Mr. CRAIG, Mrs. DOLE, and Ms. MURKOWSKI) introduced the following bill; which was read twice and referred to the Committee on Foreign Relations

A BILL

To direct the Secretary of State to carry out activities that promote the adoption of technologies that reduce greenhouse gas intensity in developing countries, while promoting economic development, 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 “Climate Change Tech-
5 nology Deployment in Developing Countries Act of 2005”.

1 **SEC. 2. CLIMATE CHANGE TECHNOLOGY DEPLOYMENT IN**
 2 **DEVELOPING COUNTRIES.**

3 Title VII of the Global Environmental Protection As-
 4 sistance Act of 1989 (Public Law 101–240; 103 Stat.
 5 2521) is amending by adding at the end the following:

6 **“PART C—TECHNOLOGY DEPLOYMENT IN**
 7 **DEVELOPING COUNTRIES**

8 **“SEC. 731. DEFINITIONS.**

9 “In this part:

10 “(1) CARBON SEQUESTRATION.—The term ‘car-
 11 bon sequestration’ means the capture of carbon diox-
 12 ide through terrestrial, geological, biological, or
 13 other means, which prevents the release of carbon
 14 dioxide into the atmosphere.

15 “(2) GREENHOUSE GAS.—The term ‘greenhouse
 16 gas’ means carbon dioxide, methane, nitrous oxide,
 17 hydrofluorocarbons, perfluorocarbons, and sulfur
 18 hexafluoride.

19 “(3) GREENHOUSE GAS INTENSITY.—The term
 20 ‘greenhouse gas intensity’ means the ratio of green-
 21 house gas emissions to economic output.

22 **“SEC. 732. REDUCTION OF GREENHOUSE GAS INTENSITY.**

23 “(a) LEAD AGENCY.—

24 “(1) IN GENERAL.—The Department of State
 25 shall act as the lead agency for integrating into

1 United States foreign policy the goal of reducing
2 greenhouse gas intensity in developing countries.

3 “(2) REPORTS.—

4 “(A) IN GENERAL.—Not later than 180
5 days after the date of enactment of this part
6 and each year thereafter, the Secretary of State
7 shall submit to the appropriate authorizing and
8 appropriating committees of Congress a report
9 on the 25 developing countries that are the top
10 energy users, including for each country a de-
11 scription of—

12 “(i) the quantity and types of energy
13 used;

14 “(ii) the greenhouse gas intensity of
15 the energy, manufacturing, agricultural,
16 and transportation sectors;

17 “(iii) the progress of any projects un-
18 dertaken to reduce greenhouse gas inten-
19 sity;

20 “(iv) the potential for further projects
21 to reduce greenhouse gas intensity; and

22 “(v) obstacles to the further reduction
23 of greenhouse gas intensity.

24 “(B) USE.—

1 “(i) INITIAL REPORT.—The Secretary
2 of State shall use the initial report sub-
3 mitted under subparagraph (A) to estab-
4 lish baselines for the developing countries
5 with respect to the information provided
6 under clauses (i) and (ii) of that subpara-
7 graph.

8 “(ii) ANNUAL REPORTS.—The Sec-
9 retary of State shall use the annual reports
10 submitted under subparagraph (A) to
11 track the progress of the developing coun-
12 tries with respect to reducing greenhouse
13 gas intensity.

14 “(b) PROJECTS.—The Secretary of State, in coordi-
15 nation with Administrator of the United States Agency for
16 International Development, shall (directly or through
17 agreements with the World Bank, the International Mone-
18 tary Fund, the Overseas Private Investment Corporation,
19 and other development institutions) provide assistance to
20 developing countries specifically for projects to reduce
21 greenhouse gas intensity, including projects to—

22 “(1) leverage, through bilateral agreements,
23 funds for reduction of greenhouse gas intensity;

24 “(2) increase private investment in projects and
25 activities to reduce greenhouse gas intensity; and

1 “(3) expedite the deployment of technology to
2 reduce greenhouse gas intensity.

3 “(c) FOCUS.—In carrying out the projects, the Sec-
4 retary of State shall focus on—

5 “(1) promoting the rule of law, property rights,
6 contract protection, and economic freedom; and

7 “(2) increasing capacity, infrastructure, and
8 training.

9 “(d) PRIORITY.—In carrying out the projects, the
10 Secretary of State shall give priority to projects in the 25
11 developing countries identified in the report submitted
12 under subsection (a)(2)(A).

13 **“SEC. 733. TECHNOLOGY INVENTORY FOR DEVELOPING**
14 **COUNTRIES.**

15 “(a) IN GENERAL.—The Secretary of State, in co-
16 ordination with the Secretary of Energy, shall conduct an
17 inventory of greenhouse gas intensity reducing tech-
18 nologies that are developed, or under development, to iden-
19 tify technologies that are suitable for transfer to, deploy-
20 ment in, and commercialization in the developing countries
21 identified in the report submitted under section
22 732(a)(2)(A).

23 “(b) REPORT.—Not later than 180 days after the
24 completion of the inventory under subsection (a), the Sec-

1 retary of State and the Secretary of Energy shall jointly
 2 submit to Congress a report that—

3 “(1) includes the results of the completed inven-
 4 tory; and

5 “(2) identifies obstacles to the deployment of
 6 the technologies studied.

7 **“SEC. 734. TRADE-RELATED BARRIERS TO EXPORT OF**
 8 **GREENHOUSE GAS INTENSITY REDUCING**
 9 **TECHNOLOGIES.**

10 “Not later than 180 days after the date of enactment
 11 of this part, the United States Trade Representative
 12 shall—

13 “(1) identify trade-related barriers maintained
 14 by foreign countries to the export of greenhouse gas
 15 intensity reducing technologies and practices from
 16 the United States; and

17 “(2) negotiate with the foreign countries for the
 18 removal of those barriers.

19 **“SEC. 735. GREENHOUSE GAS INTENSITY REDUCING TECH-**
 20 **NOLOGY EXPORT INITIATIVE.**

21 “(a) IN GENERAL.—There is established an inter-
 22 agency working group to carry out a Greenhouse Gas In-
 23 tensity Reducing Technology Export Initiative to—

1 “(1) promote the export of greenhouse gas in-
2 tensity reducing technologies and practices from the
3 United States;

4 “(2) identify developing countries that should
5 be designated as priority countries for the purpose
6 of exporting greenhouse gas intensity reducing tech-
7 nologies and practices, based on the report sub-
8 mitted under section 732(a)(2)(A);

9 “(3) identify potential barriers to adoption of
10 exported greenhouse gas intensity reducing tech-
11 nologies and practices; and

12 “(4) identify previous efforts to export energy
13 technologies to learn best practices.

14 “(b) COMPOSITION.—The working group shall be
15 composed of—

16 “(1) the Secretary of State, who shall act as
17 the head of the working group;

18 “(2) the Administrator of the United States
19 Agency for International Development;

20 “(3) the United States Trade Representative;

21 “(4) a designee of the Secretary of Energy; and

22 “(5) a designee of the Secretary of Commerce.

23 “(c) PERFORMANCE REVIEWS AND REPORTS.—Not
24 later than 180 days after the date of enactment of this

1 part and each year thereafter, the interagency working
2 group shall—

3 “(1) conduct a performance review of actions
4 taken and results achieved by the Federal Govern-
5 ment (including each of the agencies represented on
6 the interagency working group) to promote the ex-
7 port of greenhouse gas intensity reducing tech-
8 nologies and practices from the United States; and

9 “(2) submit to the appropriate authorizing and
10 appropriating committees of Congress a report that
11 describes the results of the performance reviews and
12 evaluates progress in promoting the export of green-
13 house gas intensity reducing technologies and prac-
14 tices from the United States, including any rec-
15 ommendations for increasing the export of the tech-
16 nologies and practices.

17 **“SEC. 736. TECHNOLOGY STRATEGIC PLAN AND DEM-**
18 **ONSTRATION PROJECTS.**

19 “(a) IN GENERAL.—The Secretary of State, in co-
20 ordination with the Secretary of Energy and the Adminis-
21 trator of the United States Agency for International De-
22 velopment, shall develop a technology strategic plan, and
23 carry out demonstration projects, to promote the adoption
24 of technologies and practices that reduce greenhouse gas
25 intensity in developing countries.

1 “(b) DEMONSTRATION PROJECTS.—

2 “(1) IN GENERAL.—The Secretaries and the
3 Administrator shall plan, coordinate, and carry out
4 demonstration projects under this section in at least
5 10 eligible countries, as determined by the Secre-
6 taries and the Administrator.

7 “(2) ELIGIBILITY.—A country shall be eligible
8 for assistance under this subsection if the Secre-
9 taries and the Administrator determine that the
10 country has demonstrated a commitment to—

11 “(A) just and democratic governance, in-
12 cluding—

13 “(i) promoting political pluralism,
14 equality, and the rule of law;

15 “(ii) respecting human and civil
16 rights;

17 “(iii) protecting private property
18 rights;

19 “(iv) encouraging transparency and
20 accountability of government; and

21 “(v) combating corruption; and

22 “(B) economic freedom, including economic
23 policies that—

1 “(i) encourage citizens and firms to
2 participate in global trade and inter-
3 national capital markets;

4 “(ii) promote private sector growth
5 and the sustainable management of nat-
6 ural resources;

7 “(iii) strengthen market forces in the
8 economy; and

9 “(iv) respect worker rights.

10 “(3) SELECTION.—In determining which eligi-
11 ble countries to provide funding to under paragraph
12 (1), the Secretaries and the Administrator shall con-
13 sider—

14 “(A) the extent to which the country meets
15 or exceeds the eligibility criteria;

16 “(B) the opportunity to reduce greenhouse
17 gas intensity in the eligible country; and

18 “(C) the opportunity to generate economic
19 growth in the eligible country.

20 “(4) TYPES OF PROJECTS.—Demonstration
21 projects under this section may include—

22 “(A) coal gasification, coal liquefaction,
23 and clean coal projects;

24 “(B) carbon sequestration projects;

25 “(C) cogeneration technology initiatives;

1 “(D) renewable projects; and

2 “(E) lower emission transportation.

3 **“SEC. 737. FELLOWSHIP AND EXCHANGE PROGRAMS.**

4 “The Secretary of State, in coordination with the
5 Secretary of Energy, the Secretary of Commerce, and the
6 Administrator of the Environmental Protection Agency,
7 shall carry out fellowship and exchange programs under
8 which officials from developing countries visit the United
9 States to acquire expertise and knowledge of best practices
10 to reduce greenhouse gas intensity in their countries.

11 **“SEC. 738. AUTHORIZATION OF APPROPRIATIONS.**

12 “There are authorized to be appropriated such sums
13 as are necessary to carry out this part (other than section
14 736).

15 **“SEC. 739. EFFECTIVE DATE.**

16 “Except as otherwise provided in this part, this part
17 takes effect on October 1, 2005.

18 **“SEC. 740. TERMINATION OF AUTHORITY.**

19 “The authority provided by this part terminates ef-
20 fective December 31, 2010.”.

