

110TH CONGRESS  
1ST SESSION

# S. 2155

To amend the Energy Policy Act of 1992 to encourage the development of clean energy technologies for deployment in markets abroad, to assist the Department of Energy's promotion of research and development of clean and efficient energy systems, to encourage the Department of Energy and other Federal agencies to work together to improve the advancement of sustainable energy use and reduce greenhouse gas emissions, and for other purposes.

---

IN THE SENATE OF THE UNITED STATES

OCTOBER 4, 2007

Mr. BYRD introduced the following bill; which was read twice and referred to the Committee on Foreign Relations

---

## A BILL

To amend the Energy Policy Act of 1992 to encourage the development of clean energy technologies for deployment in markets abroad, to assist the Department of Energy's promotion of research and development of clean and efficient energy systems, to encourage the Department of Energy and other Federal agencies to work together to improve the advancement of sustainable energy use and reduce greenhouse gas emissions, 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,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “International Clean  
3 Energy Technologies Deployment and Global Energy Mar-  
4 kets Investment Act of 2007”.

5 **SEC. 2. INTERNATIONAL CLEAN ENERGY TECHNOLOGIES**  
6 **DEPLOYMENT AND GLOBAL ENERGY MAR-**  
7 **KETS INVESTMENT.**

8 Title XXI of the Energy Policy Act of 1992 (Public  
9 Law 102–486; 106 Stat. 3067) is amended by adding at  
10 the end the following new subtitle:

11 **“Subtitle D—International Clean**  
12 **Energy Technologies Deploy-**  
13 **ment and Global Energy Mar-**  
14 **kets Investment**

15 **“SEC. 2131. PURPOSES.**

16 “The purposes of this subtitle are—

17 “(1) to facilitate the export of clean energy  
18 technologies to developing countries;

19 “(2) to retain and create manufacturing and re-  
20 lated service jobs in the United States;

21 “(3) to reduce the trade deficit of the United  
22 States through the export of United States energy  
23 technologies, technological expertise, and project de-  
24 velopment and deployment;

25 “(4) to promote sustainable economic develop-  
26 ment, increase access to modern energy services, re-

1       duce greenhouse gas emissions, and strengthen en-  
2       ergy security and independence in developing coun-  
3       tries through the deployment of clean energy tech-  
4       nologies in partnership with the private sector;

5               “(5) to ensure that activities funded under this  
6       subtitle contribute to economic growth, poverty re-  
7       duction, good governance, the rule of law, property  
8       rights, safety and development best practices, and  
9       environmental protection; and

10              “(6) to authorize funds for clean energy devel-  
11       opment activities in developing countries.

12   **“SEC. 2132. DEFINITIONS.**

13       “In this subtitle:

14              “(1) CLEAN ENERGY TECHNOLOGY.—The term  
15       ‘clean energy technology’ means an energy supply or  
16       end-use technology that, over its lifecycle and com-  
17       pared to a similar technology already in commercial  
18       use in any developing country—

19                      “(A) is reliable, affordable, economically  
20       viable, socially acceptable, and compatible with  
21       the needs and norms of the host country;

22                      “(B) results in—

23                              “(i) reduced emissions of greenhouse  
24       gases;

1                   “(ii) increased geological sequestra-  
2                   tion; or

3                   “(iii) increased energy efficiency; and  
4                   “(C) may—

5                   “(i) substantially lower emissions of  
6                   air pollutants; and

7                   “(ii) generate substantially smaller or  
8                   less hazardous quantities of solid or liquid  
9                   waste.

10                  “(2) DEVELOPING COUNTRY.—

11                   “(A) IN GENERAL.—The term ‘developing  
12                   country’ means any country not listed in Annex  
13                   I of the United Nations Framework Convention  
14                   on Climate Change, done at New York May 9,  
15                   1992.

16                   “(B) INCLUSION.—The term ‘developing  
17                   country’ may include a country with an econ-  
18                   omy in transition, as determined by the Sec-  
19                   retary of State.

20                  “(3) GEOLOGICAL SEQUESTRATION.—The term  
21                   ‘geological sequestration’ means the capture and  
22                   long-term storage in a geological formation of a  
23                   greenhouse gas from an energy producing facility,  
24                   which prevents the release of greenhouse gases into  
25                   the atmosphere.

1           “(4) GREENHOUSE GAS.—The term ‘greenhouse  
2 gas’ means—

3           “(A) carbon dioxide;

4           “(B) methane;

5           “(C) nitrous oxide;

6           “(D) hydrofluorocarbons;

7           “(E) perfluorocarbons; and

8           “(F) sulfur hexafluoride.

9           “(5) INSTITUTION OF HIGHER EDUCATION.—

10          The term ‘institution of higher education’ has the  
11 meaning given the term in section 101(a) of the  
12 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

13          “(6) INTERAGENCY WORKING GROUP.—The  
14 term ‘Interagency Working Group’ means the Inter-  
15 agency Working Group on Clean Energy Technology  
16 Exports established under section 2136(b)(1)(A).

17          “(7) NATIONAL LABORATORY.—The term ‘Na-  
18 tional Laboratory’ means any of the following lab-  
19 oratories owned by the Department of Energy:

20           “(A) Ames Laboratory.

21           “(B) Argonne National Laboratory.

22           “(C) Brookhaven National Laboratory.

23           “(D) Fermi National Accelerator Labora-  
24 tory.

25           “(E) Idaho National Laboratory.

1           “(F) Lawrence Berkeley National Labora-  
2           tory.

3           “(G) Lawrence Livermore National Lab-  
4           oratory.

5           “(H) Los Alamos National Laboratory.

6           “(I) National Energy Technology Labora-  
7           tory.

8           “(J) National Renewable Energy Labora-  
9           tory.

10          “(K) Oak Ridge National Laboratory.

11          “(L) Pacific Northwest National Labora-  
12          tory.

13          “(M) Princeton Plasma Physics Labora-  
14          tory.

15          “(N) Sandia National Laboratories.

16          “(O) Savannah River National Laboratory.

17          “(P) Stanford Linear Accelerator Center.

18          “(Q) Thomas Jefferson National Accel-  
19          erator Facility.

20          “(8) QUALIFYING PROJECT.—The term ‘quali-  
21          fying project’ means a project meeting the criteria  
22          established under section 2134(c).

23          “(9) STATE.—The term ‘State’ means—

24                 “(A) a State;

25                 “(B) the District of Columbia;

1           “(C) the Commonwealth of Puerto Rico;  
2           and

3           “(D) any other territory or possession of  
4           the United States.

5           “(10) TASK FORCE.—The term ‘Task Force’  
6           means the Task Force on International Clean En-  
7           ergy Cooperation established under section 2136(a).

8           “(11) UNITED STATES.—The term ‘United  
9           States’, when used in a geographical sense, means  
10          all of the States.

11   **“SEC. 2133. CLEAN ENERGY ASSISTANCE TO DEVELOPING**  
12                           **COUNTRIES.**

13          “(a) IN GENERAL.—Subject to section 2135, the Sec-  
14          retary of Energy, in coordination with the Secretary of  
15          State and the Administrator of the United States Agency  
16          for International Development, shall provide assistance for  
17          activities in developing countries that are consistent with  
18          the priorities established in the strategy.

19          “(b) ASSISTANCE.—The assistance may be provided  
20          through—

21                 “(1) the Millennium Challenge Corporation es-  
22                 tablished under section 604(a) of the Millennium  
23                 Challenge Act of 2003 (22 U.S.C. 7703(a));

24                 “(2) the Global Village Energy Partnership;  
25          and

1           “(3) other international assistance programs or  
2 activities of—

3           “(A) the Department of Energy;

4           “(B) the Department of State;

5           “(C) the United States Agency for Inter-  
6 national Development; and

7           “(D) other Federal agencies.

8           “(c) ELIGIBLE ACTIVITIES.—The activities sup-  
9 ported under this section include—

10           “(1) development of national action plans and  
11 policies to—

12           “(A) facilitate the provision of clean energy  
13 services and the adoption of energy efficiency  
14 measures;

15           “(B) identify linkages between the use of  
16 clean energy technologies and the provision of  
17 agricultural, transportation, water, health, edu-  
18 cational, and other development-related services;  
19 and

20           “(C) integrate the use of clean energy  
21 technologies into national strategies for eco-  
22 nomic growth, poverty reduction, and sustain-  
23 able development;

24           “(2) strengthening of public and private sector  
25 capacity to—

1           “(A) assess clean energy needs and op-  
2           tions;

3           “(B) identify opportunities to reduce,  
4           avoid, or sequester greenhouse gas emissions;

5           “(C) establish enabling policy frameworks;

6           “(D) develop and access financing mecha-  
7           nisms; and

8           “(E) monitor progress in implementing  
9           clean energy and greenhouse gas reduction  
10          strategies;

11          “(3) enactment and implementation of market-  
12          favoring measures to promote commercial-based en-  
13          ergy service provision and to improve the govern-  
14          ance, efficiency, and financial performance of the en-  
15          ergy sector; and

16          “(4) development and use of innovative public  
17          and private mechanisms to catalyze and leverage fi-  
18          nancing for clean energy technologies, including use  
19          of the development credit authority of the United  
20          States Agency for International Development and  
21          credit enhancements through the Export-Import  
22          Bank and the Overseas Private Investment Corpora-  
23          tion.

1 **“SEC. 2134. PILOT PROGRAM FOR DEMONSTRATION**  
2 **PROJECTS.**

3 “(a) IN GENERAL.—Not later than 2 years after the  
4 date of the enactment of the International Clean Energy  
5 Technologies Deployment and Global Energy Markets In-  
6 vestment Act of 2007, the Secretary of Energy, in con-  
7 sultation with the Secretary of State and the Adminis-  
8 trator of the United States Agency for International De-  
9 velopment, shall, by regulation, establish a pilot program  
10 that provides financial assistance for qualifying projects  
11 consistent with the strategy and the performance criteria  
12 established under section 2135.

13 “(b) DEMONSTRATION PROJECTS.—The pilot pro-  
14 gram shall include demonstration projects that showcase  
15 clean energy technologies, including clean coal, small or  
16 advanced nuclear, small or advanced hydropower, biofuels,  
17 renewable, and energy efficiency technologies. Each clean  
18 energy technology shall be included in at least one dem-  
19 onstration project under the pilot program.

20 “(c) QUALIFYING PROJECTS.—To be qualified to re-  
21 ceive assistance under this section, a project shall—

22 “(1) be a project—

23 “(A) to construct an energy production fa-  
24 cility in a developing country for the production  
25 of energy to be consumed in the developing  
26 country; or

1           “(B) to improve the efficiency of energy  
2 use in a developing country;

3           “(2) be a project that—

4           “(A) is submitted by a firm of the United  
5 States to the Secretary of Energy in accordance  
6 with procedures established by the Secretary by  
7 regulation;

8           “(B) meets the requirements of section  
9 1608(k);

10           “(C) uses technology that has been suc-  
11 cessfully developed or deployed in the United  
12 States; and

13           “(D) is selected by the Secretary of En-  
14 ergy without regard to the developing country  
15 in which the project is located, with notice of  
16 the selection published in the Federal Register;  
17 and

18           “(3) when deployed, result in a greenhouse gas  
19 emission reduction (when compared to the tech-  
20 nology that would otherwise be deployed) of at  
21 least—

22           “(A) in the case of a unit or energy-effi-  
23 ciency measure placed in service during the pe-  
24 riod beginning on the date of the enactment of  
25 the International Clean Energy Technologies

1 Deployment and Global Energy Markets Invest-  
2 ment Act of 2007 and ending on December 31,  
3 2011, 20 percentage points;

4 “(B) in the case of a unit or energy-effi-  
5 ciency measure placed in service during the pe-  
6 riod beginning on January 1, 2012, and ending  
7 on December 31, 2021, 40 percentage points;  
8 and

9 “(C) in the case of a unit or energy-effi-  
10 ciency measure placed in service after December  
11 31, 2021, 60 percentage points.

12 “(d) FINANCIAL ASSISTANCE.—

13 “(1) IN GENERAL.—For each qualifying project  
14 selected by the Secretary of Energy to participate in  
15 the pilot program, the Secretary shall make a loan  
16 or loan guarantee available for not more than 50  
17 percent of the total cost of the project.

18 “(2) INTEREST RATE.—The interest rate on a  
19 loan made under this subsection shall be equal to  
20 the current average yield on outstanding obligations  
21 of the United States with remaining periods of ma-  
22 turity comparable to the maturity of the loan.

23 “(3) HOST COUNTRY CONTRIBUTION.—To be  
24 eligible for a loan or loan guarantee for a project in

1 a host country under this subsection, the host coun-  
2 try shall—

3 “(A) make at least a 10 percent contribu-  
4 tion toward the total cost of the project; and

5 “(B) verify to the Secretary of Energy  
6 (using the methodology established under sec-  
7 tion 2137(c)(7)) the quantity of annual green-  
8 house gas emissions reduced, avoided, or se-  
9 questered as a result of the deployment of the  
10 project.

11 “(4) CAPACITY BUILDING RESEARCH.—

12 “(A) IN GENERAL.—A proposal made for a  
13 qualifying project may include a research com-  
14 ponent intended to build technological capacity  
15 within the host country.

16 “(B) RESEARCH.—To be eligible for a loan  
17 or loan guarantee under this paragraph, the re-  
18 search shall—

19 “(i) be related to the technology being  
20 deployed; and

21 “(ii) involve—

22 “(I) an institution in the host  
23 country; and

24 “(II) a participant from the  
25 United States that is an industrial en-

1                   tity, an institution of higher edu-  
2                   cation, or a National Laboratory.

3                   “(C) HOST COUNTRY CONTRIBUTION.—To  
4                   be eligible for a loan or loan guarantee for re-  
5                   search in a host country under this paragraph,  
6                   the host country shall make at least a 50 per-  
7                   cent contribution toward the total cost of the  
8                   research.

9   **“SEC. 2135. PERFORMANCE CRITERIA FOR MAJOR ENERGY**  
10                   **CONSUMERS.**

11                  “(a) IDENTIFICATION OF MAJOR ENERGY CON-  
12                  SUMERS.—Not later than 1 year after the date of enact-  
13                  ment of the International Clean Energy Technologies De-  
14                  ployment and Global Energy Markets Investment Act of  
15                  2007, the Task Force shall identify those developing coun-  
16                  tries that, by virtue of present and projected energy con-  
17                  sumption, represent the predominant share of energy use  
18                  among developing countries.

19                  “(b) PERFORMANCE CRITERIA.—As a condition of  
20                  accepting assistance provided under sections 2133 or  
21                  2134, any developing country identified under subsection  
22                  (a) shall—

23                         “(1) meet the eligibility criteria established  
24                         under section 607 of the Millennium Challenge Act  
25                         of 2003 (22 U.S.C. 7706), notwithstanding the eligi-

1 bility of the developing country as a candidate coun-  
2 try under section 606 of that Act (22 U.S.C. 7705);  
3 and

4 “(2) agree to establish and report on progress  
5 in meeting specific goals for reduced energy-related  
6 greenhouse gas emissions and specific goals for—

7 “(A) increased access to clean energy serv-  
8 ices among unserved and underserved popu-  
9 lations;

10 “(B) increased use of renewable energy re-  
11 sources;

12 “(C) increased use of lower greenhouse  
13 gas-emitting fossil fuel-burning technologies;

14 “(D) more efficient production and use of  
15 energy;

16 “(E) greater reliance on advanced energy  
17 technologies;

18 “(F) the sustainable use of traditional en-  
19 ergy resources; or

20 “(G) other goals for improving energy-re-  
21 lated environmental performance, including im-  
22 proving local air and water quality and reducing  
23 or eliminating solid waste contaminants.

24 **“SEC. 2136. ORGANIZATION.**

25 “(a) TASK FORCE.—

1           “(1) ESTABLISHMENT.—Not later than 90 days  
2 after the date of enactment of the International  
3 Clean Energy Technologies Deployment and Global  
4 Energy Markets Investment Act of 2007, the Presi-  
5 dent shall establish a Task Force on International  
6 Clean Energy Technologies Cooperation.

7           “(2) COMPOSITION.—The Task Force shall be  
8 composed of representatives, appointed by the head  
9 of the respective Federal agency, of—

10                   “(A) the Council on Environmental Qual-  
11           ity;

12                   “(B) the Department of Energy;

13                   “(C) the Department of Commerce;

14                   “(D) the Department of the Treasury;

15                   “(E) the Department of State;

16                   “(F) the Environmental Protection Agen-  
17           cy;

18                   “(G) the United States Agency for Inter-  
19           national Development;

20                   “(H) the Export-Import Bank;

21                   “(I) the Overseas Private Investment Cor-  
22           poration;

23                   “(J) the Trade and Development Agency;

24                   “(K) the Small Business Administration;

1           “(L) the Office of the United States Trade  
2           Representative; and

3           “(M) other Federal agencies, as deter-  
4           mined by the President.

5           “(3) CHAIRPERSON.—The President shall des-  
6           ignate one of the representatives appointed under  
7           paragraph (2) to serve as the Chairperson of the  
8           Task Force.

9           “(4) DUTIES.—

10           “(A) LEAD AGENCY.—The Task Force  
11           shall act as the lead agency in the development  
12           and implementation of the strategy required  
13           under section 2137.

14           “(B) COORDINATION AND IMPLEMENTA-  
15           TION.—The Task Force shall support the co-  
16           ordination and implementation of programs  
17           under sections 1331, 1332, and 1608.

18           “(5) TERMINATION.—The Task Force, includ-  
19           ing any working group established by the Task  
20           Force, shall terminate 12 years after the date of the  
21           enactment of the International Clean Energy Tech-  
22           nologies Deployment and Global Energy Markets In-  
23           vestment Act of 2007.

24           “(b) WORKING GROUPS.—

25           “(1) ESTABLISHMENT.—The Task Force—

1           “(A) shall establish an Interagency Work-  
2           ing Group on Clean Energy Technology Ex-  
3           ports; and

4           “(B) may establish other working groups  
5           as necessary to carry out this subtitle.

6           “(2) COMPOSITION OF INTERAGENCY WORKING  
7           GROUP.—The Interagency Working Group shall be  
8           composed of—

9           “(A) the Secretary of Energy, the Sec-  
10           retary of Commerce, and the Administrator of  
11           the United States Agency for International De-  
12           velopment, who shall jointly serve as Chair-  
13           persons; and

14           “(B) other members, as determined by the  
15           Chairperson of the Task Force.

16           “(3) ACTIVITIES.—In support of the develop-  
17           ment, deployment, and transfer of clean energy tech-  
18           nologies developed or demonstrated in the United  
19           States, the Interagency Working Group shall coordi-  
20           nate the resources and relevant programs of its  
21           members to ensure the export and application of  
22           clean energy technologies pursuant to sections 2133  
23           and 2134, and to take advantage of other opportuni-  
24           ties where such clean energy technologies may be ex-

1 ported from the United States and deployed or ap-  
2 plied in other countries.

3 “(4) AREAS OF RESPONSIBILITY.—The mem-  
4 bers of the Interagency Working Group shall have  
5 the following responsibilities:

6 “(A) CHAIRPERSONS.—The chairpersons  
7 of the Interagency Working Group shall be re-  
8 sponsible for identifying opportunities for clean  
9 energy technologies, including for providing and  
10 coordinating support for clean energy tech-  
11 nology exports and implementing necessary ex-  
12 port finance mechanisms for clean energy tech-  
13 nologies.

14 “(B) SECRETARY OF ENERGY.—The Sec-  
15 retary of Energy shall focus on activities that  
16 provide opportunities in foreign countries—

17 “(i) to demonstrate and deploy clean  
18 energy technologies for new generating ca-  
19 pacity or to retrofit or replace existing gen-  
20 eration facilities;

21 “(ii) to improve procedures, processes,  
22 and methodologies for operating power  
23 generation facilities;

24 “(iii) to lower the intensity of end use  
25 through energy efficiency upgrades; and

1                   “(iv) to address other risk factors that  
2                   are market barriers.

3                   “(C) SECRETARY OF COMMERCE.—The  
4                   Secretary of Commerce shall—

5                   “(i) focus on activities that help cre-  
6                   ate opportunities to export clean energy  
7                   technologies through the elimination of  
8                   trade barriers and tariffs for necessary  
9                   products in foreign countries and the adop-  
10                  tion of policy reforms and legal structure  
11                  necessary to support the use of clean en-  
12                  ergy technologies developed or dem-  
13                  onstrated in the United States; and

14                  “(ii) address other risk factors that  
15                  are market barriers.

16                  “(D) ADMINISTRATOR OF THE UNITED  
17                  STATES AGENCY FOR INTERNATIONAL DEVEL-  
18                  OPMENT.—The Administrator of the United  
19                  States Agency for International Development  
20                  shall—

21                  “(i) promote policy reforms to encour-  
22                  age the use of clean energy technologies  
23                  developed or demonstrated in the United  
24                  States;

1                   “(ii) conduct resource assessments for  
2                   the various types of clean energy tech-  
3                   nologies; and

4                   “(iii) address other risk factors that  
5                   are market barriers.

6           “(c) INTERAGENCY CENTER.—There shall be estab-  
7           lished an Interagency Center to help carry out the activi-  
8           ties of the Interagency Working Group. The Interagency  
9           Center shall be located at a site agreed upon by the chair-  
10          persons with the approval of the representatives of the  
11          Task Force.

12   **“SEC. 2137. STRATEGY.**

13          “(a) INITIAL STRATEGY.—

14               “(1) IN GENERAL.—Not later than 1 year after  
15               the date of enactment of the International Clean En-  
16               ergy Technologies Deployment and Global Energy  
17               Markets Investment Act of 2007, the Task Force  
18               shall develop and submit to the President a strategy  
19               to—

20                   “(A) support the development and imple-  
21                   mentation of programs, policies, and initiatives  
22                   in developing countries to promote the adoption  
23                   and deployment of clean energy technologies  
24                   and energy efficiency technologies and strate-  
25                   gies, with an emphasis on those developing

1 countries that are expected to experience the  
2 most significant growth in energy production  
3 and use over the next 20 years;

4 “(B) open and expand clean energy tech-  
5 nology markets and facilitate the export of  
6 clean energy technology to developing countries,  
7 in a manner consistent with the subsidy codes  
8 of the World Trade Organization;

9 “(C) integrate into the foreign policy objec-  
10 tives of the United States the promotion of—

11 “(i) clean energy technology deploy-  
12 ment and reduced greenhouse gas emis-  
13 sions in developing countries; and

14 “(ii) clean energy technology exports;

15 “(D) establish a pilot program that pro-  
16 vides financial assistance for qualifying activi-  
17 ties, partnerships, or projects; and

18 “(E) develop financial mechanisms and in-  
19 struments (including securities that mitigate  
20 the political and foreign exchange risks of uses  
21 that are consistent with the foreign policy of  
22 the United States by combining the private sec-  
23 tor market and government enhancements)  
24 that—

25 “(i) are cost-effective; and

1                   “(ii) facilitate private capital invest-  
2                   ment in clean energy technology projects in  
3                   developing countries.

4                   “(2) TRANSMISSION TO CONGRESS.—On receiv-  
5                   ing the strategy from the Task Force under para-  
6                   graph (1), the President shall transmit to Congress  
7                   the strategy.

8                   “(b) UPDATES.—

9                   “(1) IN GENERAL.—Not later than 3 years  
10                  after the date of submission of the initial strategy  
11                  under subsection (a)(1), and every 4 years there-  
12                  after—

13                  “(A) the Task Force shall—

14                         “(i) review and update the strategy;  
15                         and

16                         “(ii) report the results of the review  
17                         and update to the President; and

18                  “(B) the President shall submit to Con-  
19                  gress a report on the strategy.

20                  “(2) INCLUSIONS.—The report shall include—

21                         “(A) the updated strategy;

22                         “(B) a description of the assistance pro-  
23                         vided under this subtitle;

24                         “(C) the results of the pilot projects car-  
25                         ried out under this subtitle, including a com-

1 parative analysis of the relative merits of each  
2 pilot project;

3 “(D) the activities and progress reported  
4 by developing countries to the Department of  
5 Energy under section 2135(b)(2); and

6 “(E) the activities and progress reported  
7 towards meeting the goals established under  
8 section 2135(b)(2).

9 “(c) CONTENT.—In developing, updating, and sub-  
10 mitting a report on the strategy, the Task Force shall—

11 “(1) assess—

12 “(A) energy trends, energy needs, and po-  
13 tential energy resource bases in developing  
14 countries; and

15 “(B) the implications of the trends and  
16 needs for domestic and global economic and se-  
17 curity interests;

18 “(2) analyze technology, policy, and market op-  
19 portunities for international development, dem-  
20 onstration, and deployment of clean energy tech-  
21 nologies and strategies;

22 “(3) examine relevant trade, tax, finance, inter-  
23 national, and other policy issues to assess what poli-  
24 cies, in the United States and in developing coun-  
25 tries, would help open markets and improve clean

1 energy technology exports of the United States in  
2 support of—

3 “(A) enhancing energy innovation and co-  
4 operation, including energy sector and market  
5 reform, capacity building, and financing meas-  
6 ures;

7 “(B) improving energy end-use efficiency  
8 technologies (including buildings and facilities)  
9 and vehicle, industrial, and co-generation tech-  
10 nology initiatives; and

11 “(C) promoting energy supply technologies,  
12 including fossil, nuclear, hydroelectric, and re-  
13 newable technology initiatives;

14 “(4) investigate issues associated with building  
15 capacity to deploy clean energy technology in devel-  
16 oping countries, including—

17 “(A) energy-sector reform;

18 “(B) creation of open, transparent, and  
19 competitive markets for clean energy tech-  
20 nologies;

21 “(C) the availability of trained personnel to  
22 deploy and maintain clean energy technology;  
23 and

1           “(D) demonstration and cost-buydown  
2           mechanisms to promote first adoption of clean  
3           energy technology;

4           “(5) establish priorities for promoting the diffu-  
5           sion and adoption of clean energy technologies and  
6           strategies in developing countries, taking into ac-  
7           count economic and security interests of the United  
8           States and opportunities for the export of technology  
9           of the United States;

10          “(6) identify the means of integrating the prior-  
11          ities established under paragraph (5) into bilateral,  
12          multilateral, and assistance activities and commit-  
13          ments of the United States;

14          “(7) establish methodologies for the measure-  
15          ment, monitoring, verification, and reporting under  
16          section 2135(b)(2) of the greenhouse gas emission  
17          impacts of clean energy projects and policies in de-  
18          veloping countries;

19          “(8) establish a registry that is accessible to the  
20          public through electronic means (including through  
21          the Internet) in which information reported under  
22          section 2135(b)(2) shall be collected;

23          “(9) make recommendations to the heads of ap-  
24          propriate Federal agencies on ways to streamline  
25          Federal programs and policies to improve the role of

1 the agencies in the international development, dem-  
2 onstration, and deployment of clean energy tech-  
3 nology;

4 “(10) make assessments and recommendations  
5 regarding the distinct technological, market, re-  
6 gional, and stakeholder challenges necessary to de-  
7 ploy clean energy technology;

8 “(11) recommend conditions and criteria that  
9 will help ensure that funds provided by the United  
10 States promote sound energy policies in developing  
11 countries while simultaneously opening their markets  
12 and exporting clean energy technology of the United  
13 States;

14 “(12) establish an advisory committee, com-  
15 posed of representatives of the private sector and  
16 other interested groups, on the export and deploy-  
17 ment of clean energy technology;

18 “(13) establish a coordinated mechanism for  
19 disseminating information to the private sector and  
20 the public on clean energy technologies and clean en-  
21 ergy technology transfer opportunities; and

22 “(14) monitor the progress of each Federal  
23 agency in promoting the purposes of this subtitle, in  
24 accordance with—

1                   “(A) the Five-Year Strategic Plan of the  
2                   Clean Energy Technology Exports Initiative  
3                   submitted to Congress in October 2002; and

4                   “(B) other applicable law.

5 **“SEC. 2138. AUTHORIZATION OF APPROPRIATIONS.**

6                   “(a) INTERAGENCY CENTER.—There is authorized to  
7 be appropriated for the Interagency Center \$3,000,000 for  
8 each of fiscal years 2008 through 2020.

9                   “(b) INTERNATIONAL CLEAN ENERGY DEPLOYMENT  
10 AND GLOBAL ENERGY MARKETS INVESTMENT.—There is  
11 authorized to be appropriated, in addition to the amounts  
12 authorized under subsection (a), \$20,000,000 for each of  
13 fiscal years 2008 through 2020 to carry out activities  
14 under this subtitle.”.

○